SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)
Puducherry – 605 107

ACADEMIC AND ADMINISTRATIVE AUDIT REPORT

Internal Audit

Academic Year
2021 - 2022

Date of Audit
MARCH 10-11, 2022

NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT REPORT

INTERNAL AUDIT

ACADEMIC YEAR 2021-2022

DATE: 10.03.2022 AND 11.03.2022

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
An Autonomous Institution,
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Puducherry - 605 107

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A Preamble to Academic and Administrative Audit

The Academic and Administrative Audit (AAA) aims to ensure quality sustenance in all practices of academic and administrative system of the institution. As a part of the audit process, the IQAC has structured a format for the evaluation based on the Criteria specification by NAAC. The main objective of the audit is to review, assess and evaluate the performance of various criteria as listed below

1. Curricular Aspects
2. Teaching, Learning and Evaluation
3. Feedback of Stake holders
4. Research, Innovation and Publications
5. Collaboration and Linkages
6. Student Progression
7. Activities Conducted/ Organized by the Department
8. Achievements by students and faculty members

This will ensure quality assurance to its stakeholders. The auditing process of the above stated criteria is carried out biannually one at the end of the odd semester by the internal expert members and the other at the end of the academic year covering both semesters by the external peer members.

This AAA was conducted by nominating internal faculty members and communicated to department heads through an internal circular dated 21.02.2022. Internal expert members from various departments participated in conducting this audit and was conducted on 10.03.2022 and 11.03.2022.

The audit observations are presented as a non-conformance report, sent to the respective Heads of the Department and the action taken report for the non-conformances is submitted by the respective Head of the department is also attached in this report.

IQAC Coordinator
(Dr.R.Subramaniyan)

Director cum Principal
(Dr.V.S.K. Venkatachalapathy)

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SMVEC/IQAC/ 01 /CIRCULAR/22   Date: 21.02.2022

CIRCULAR

This is to inform that IQAC plan to conduct an Internal Academic and Administrative Audit (AAA) for the academic year 2021-22 (odd semester) on 10th March and 11th March 2022. In this connection, All HoD's are requested to prepare the AAA report as per the format provided by IQAC. The soft copy of the AAA report needs to be shared to IQAC mail (iqac@smvec.ac.in) on or before 08.03.22. The internal expert members nominated by IQAC will verify all the details provided in AAA report along with supporting documents.

Your cooperation in this regard is highly appreciated.

(Dr. R.Subramaniyan)
IQAC Coordinator

A copy submitted to Director cum Principal

Cc to

The Registrar / The Controller of Examinations

Dean Academics (Circuit) / Dean Academics (Core) / Dean, R&D / Principal (B.Arch)

HoD (EEE) / HoD (ECE) / HoD(CSE) / HoD (IT) / HoD (ICE) / HoD (Civil) / HoD(Mech)

HoD (Mechatronics) / HoD (BME) / HoD (AI&DS) / HoD (CCE) / HoD (CSBS) / HoD (FT)

HoD (Management Studies) / HoD (Master of Computer Application) / File

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SMVEC/IQAC/03/Note/22/01

01.03.2022

Note

Submitted

Sub: Nomination of Internal Expert Member for Academic and Administrative Audit Process – Reg.

With reference to the above subject it is planned to conduct the internal Academic and Administrative Audit on 10.03.2022 and 11.03.2022 for the Academic Year 2021-2022 (Odd Semester). The following internal expert members are nominated to conduct the Audit in the respective departments.

Sl.No.	Name of the Expert Member	Designation /Department	Auditing Department
1	Dr.T.Coumaressin	Associate Professor/ Mech	CSE, IT FT, MCA, and MBA
	Dr.S.Ganesh Kumaran	Associate Professor/ EEE	
2	Dr.S.Balaji	Associate Professor/ IT	EEE and ECE
	Dr.G.G. Sozhamannan	Associate Professor/ Mech	
3	Dr.M.Ganesan	Associate Professor/ CSE	MECH, MCTR, ICE
	Dr.P.Arunagiri	Associate Professor/ ECE	
4	Dr.K.Hemalatha	Associate Professor/ Mech	BME and CSBS
	Dr.R.Kurunjimalar	Associate Professor/ ECE	
5	Dr.N.Jothi	Associate Professor/ ECE	AI&DS
	Dr.D.Raja	Associate Professor/ EEE	
6	Dr.A.G.Ganesh Kumar	Associate Professor/ Mech	CCE
	Dr.A.Jayachitra	Professor/ ECE	
7	Dr.R.Ramya	Professor/ ECE	Civil and B.Arch
	Dr.A.Thiyagarajan	Associate Professor/ Mech	

(Dr. R.Subramaniyan)
IQAC Coordinator

For Approval

(Dr.V.S.K.Venkatachalapathy)
Director cum Principal

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ACADEMIC AND ADMINISTRATIVE AUDIT REPORT (2021-2022)

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ACADEMIC AND ADMINISTRATIVE AUDIT - NON COMPLIANCE REPORT (2021-2022)

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
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ACADEMIC AND ADMINISTRATIVE AUDIT – ACTION TAKEN REPORT (2021-2022)

SRI MANAKULA VINAYAGAR
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ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

ELECTRICAL AND ELECTRONICS ENGINEERING

SRI MANAKULA VINAYAGAR
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ACADEMIC AND ADMINISTRATIVE AUDIT
(Academic Year 2021-2022)
Internal Audit

SECTION – 1: BASIC INFORMATION

Audit Date	10.03.2022
Name of the Department	**ELECTRICAL AND ELECTRONICS ENGINEERING**
Year of Establishment	1999

Programs Offered	Name of the Program	Approved Intake
	Electrical and Electronics Engineering	120
	M. Tech(Power Electronics and Drives)	18

Head of the Department	Dr. S. Anbumalar, M.E, Ph. D

Number of full time Teachers	Professor	4
	Associate Professor	6
	Assistant Professor	32

Number of Technical Staff	06

Number of Students	For B. Tech:		For M. Tech	
	Year	Strength	Year	Strength
	First Year	-	First Year	01
	Second Year	124	Second Year	00
	Third Year	118	Total	01
	Fourth Year	111		
	Total	353		

Faculty Student Ratio	1:11	1:1

SECTION – 2: CURRICULAR ASPECTS

2.1 Academic Plan

S.No	Particular	Available (Yes/No)	Remarks
1	Department Academic Calendar	Yes	—
2	Faculty Subject Preferences	Yes	—
3	Elective choices from the Students	Yes	—
4	Course allotment to the Faculty	Yes	—
5	Time Table (UG and PG)	Yes	—
6	Lesson plan for each Course	Yes	—

2.2 Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

S.No	Name of the Faculty	Participated as	Course	Year/Sem
1	Dr. S. Anbumalar	Board Chairman	➢ UG and PG courses ➢ Linear Integrated Circuits	UG and PG all Years II year/III Sem
2	Dr. P. Jamuna	Scrutinizer, Subject Expert member	➢ Analysis of power converter	I Year – PG course

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3	Dr. D. Raja	Scrutinizer, Subject Expert member	➢ Analysis of Electrical Machines	I Year – PG course
4	Dr. S.Vijayasamundiswary	Subject Expert member	➢ Power System Economics ➢ Power Plant Engineering ➢ Project Phase I	IV year/VII Sem II year/III Sem IV year/VII Sem
5	Dr.K.Gowrishankar	Scrutinizer, Subject Expert member	➢ Electronic Circuits	I year/II Sem
6	Dr. M.Susithra	Subject Expert member	➢ Power System operation and Control ➢ Power System Simulation lab	IV year/VII Sem IV year/VII Sem
7	Dr. S. Ganesh Kumaran	Scrutinizer, Subject Expert member	➢ Measurements and Instrumentation Lab ➢ Renewable Energy Sources	III Year/V Sem IV Year/VII Sem
8	Dr.M.Prabavathi	Subject Expert member	➢ Seminar	IV year/VII Sem
9	Dr.M.Jayachandran	Subject Expert member	➢ Research Methodology and IPR	I Year – PG course
10	Mrs. C.Kalaivani	Subject Expert member	➢ Microprocessor and Microcontroller ➢ Measurement and Instrumentation lab	III Year/V Sem III Year/V Sem
11	Mr. B. Parthiban	Subject Expert member	➢ Electric Circuit Analysis Lab ➢ Digital Electronics ➢ Data Structures Lab	I year/II Sem I year/II Sem II year/III Sem
12	Mr. S. John Powl	Subject Expert member	➢ Utilization of Electrical Energy ➢ Microcontroller and its applications Lab ➢ Linear Integrated Circuits ➢ Linear Integrated Circuits Lab	III year/V Sem III year/V Sem II year/III Sem II year/III Sem
13	Mr. A. Janagiraman	Subject Expert member	➢ Control System lab ➢ Transmission and distribution ➢ Project Phase I ➢ Linear Integrated Circuits Lab	III Year/V Sem III Year/V Sem IV Year/VII Sem II year/III Sem
14	Mr. D.Durairaj	Subject Expert member	➢ Electric Circuit Analysis Lab ➢ Power Plant Engineering ➢ Electrical machines- lab II ➢ Renewable Energy Sources ➢ Control Systems Lab	I year/II Sem II year/III Sem II year/III Sem III year/V Sem III year/V Sem
15	Mr. V.Malarselvam	Subject Expert member	➢ Nano Electronics	I Year – PG course
16	Mr.K.Thangaraj	Scrutinizer, Subject Expert member	➢ Microcontroller and its applications Lab ➢ Renewable Energy Sources ➢ Embedded System ➢ Electrical machines-II lab	III year/V Sem IV Year/VII Sem III year/V Sem II year/III Sem
17	Mrs.S.Punitha	Subject Expert member	➢ Protection and Switchgear ➢ Microcontroller and its applications Lab ➢ Solid State Drives ➢ Project Phase I	IV Year/VII Sem III year/V Sem IV Year/VII Sem IV Year/VII Sem
18	Mr.J.Muruganandham	Subject Expert member	➢ Power system simulation lab ➢ Project Phase I ➢ Data Structures ➢ Data Structures Lab	IV Year/VII Sem IV Year/VII Sem II year/III Sem II year/III Sem
19	Mr. K. Arun	Subject Expert member	➢ Measurements and Instrumentation Lab ➢ Project Phase I ➢ Data Structures ➢ Data Structures Lab	III year/V Sem IV Year/VII Sem II year/III Sem II year/III Sem
20	Mr.C.Adrien Perianayagam	Subject Expert member	➢ Microprocessor and Microcontroller ➢ Microcontroller and its applications Lab ➢ Data Structures Lab	III Year/V Sem III Year/V Sem II year/III Sem

21	Mrs. T.Saranya	Subject Expert member	➢ Electromagnetic Theory ➢ Microcontroller and its applications Lab ➢ Power System Economics ➢ Electrical machines-II ➢ Linear Integrated Circuits Lab	II year/III Sem III Year/V Sem IV Year/VII Sem II year/III Sem II year/III Sem
22	Mr.R.Ragupathy	Subject Expert member	➢ Electrical machines-I ➢ Electromagnetic Theory ➢ Microcontroller and its applications Lab ➢ Seminar ➢ Electrical machines-II ➢ Electrical machines-II Lab	I year/II Sem II year/III Sem III year/V Sem IV Year/VII Sem II year/III Sem II year/III Sem
23	Mr.A.Narendran	Subject Expert member	➢ Electrical Machines Lab- I ➢ Automotive Electronics for Electrical Engineering ➢ Power System operation and Control ➢ Data Structures Lab	I year/II Sem III Year/V Sem IV Year/VII Sem II year/III Sem
24	Mrs. G. Kalpana	Subject Expert member	➢ Digital Electronics ➢ Electrical Machines Lab I ➢ Measurements and Instrumentation Lab ➢ Power system simulation lab ➢ Special Electrical Machines	I year/II Sem I year/II Sem III Year/V Sem IV Year/VII Sem I Year – PG course
25	Mr. R. Rajtilak	Subject Expert member	➢ Electrical Machines Lab- I ➢ Measurements and Instrumentation Lab ➢ Power System operation and Control	I year/II Sem III Year/V Sem IV Year/VII Sem
26	Mr.V.Janagiraman	Subject Expert member	➢ Measurements and Instrumentation Lab ➢ Power system simulation lab ➢ Solid State Drives ➢ Data Structures Lab	III Year/V Sem IV Year/VII Sem IV Year/VII Sem II year/III Sem
27	Mrs.Y.Bosky	Subject Expert member	➢ Electrical Machines Lab- I ➢ Transmission and Distribution ➢ Seminar ➢ Electromagnetic Theory	I Year/II Sem III Year/V Sem IV Year/VII Sem II year/III Sem
28	Mr. K. Manikanda Prabhu	Subject Expert member	➢ Control Systems Lab ➢ Seminar	III Year/V Sem IV Year/VII Sem
29	Ms.R.Aarthi	Subject Expert member	➢ Electronics Lab – II ➢ Power Plant Engineering ➢ Linear Integrated Circuits Lab	I Year/II Sem II Year/III Sem II Year/III Sem
30	Ms.N.Swarnalakshmi	Subject Expert member	➢ Electronics Lab – II ➢ Control Systems ➢ Seminar ➢ Linear Integrated Circuits Lab	I Year/II Sem III Year/V Sem IV Year/VII Sem II Year/III Sem
31	Mr.S.Ashokkumar	Subject Expert member	➢ Control Systems Lab ➢ Seminar	III Year/V Sem IV Year/VII Sem
32	Mr.N.Kannan	Subject Expert member	➢ Electrical machines-II lab	II Year/III Sem
33	Mr.M.Arul kumar	Subject Expert member	➢ Audit Course	I Year – PG course
34	Ms. S. Uma Mageswari	Subject Expert member	➢ Data Structures Lab	II Year/III Sem
35	Mrs.G.Konamma	Subject Expert member	➢ Electronics Lab – II ➢ Data Structures Lab ➢ Linear Integrated Circuits	I Year/II Sem II Year/III Sem II Year/III Sem
36	Mrs.B.Mahalakshmi	Subject Expert member	➢ Electrical Machines-I ➢ Electric Circuit Analysis Lab ➢ Linear Integrated Circuits Lab	I Year/II Sem I Year/II Sem II Year/III Sem

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37	Ms.V.Vijayasanthi	Subject Expert member	➢ Electric Circuit Analysis ➢ Electronics Lab – II ➢ Linear Integrated Circuits Lab ➢ Electrical machines-II lab	I Year/II Sem I Year/II Sem II Year/III Sem II Year/III Sem
38	Mr. U.Surendrakumaran	Subject Expert member	➢ Electrical machines-II lab	II Year/III Sem
39	Mr.I.Shivasankkar	Subject Expert member	➢ Control Systems ➢ Control Systems Lab ➢ Data Structures ➢ Power converters simulation Lab	III Year/V Sem III Year/V Sem II Year/III Sem I Year – PG course
40	Mr.R.Nakkeeran	Subject Expert member	➢ Electric Circuit Analysis Lab ➢ Linear Integrated Circuits ➢ Electrical machines-II lab ➢ Linear Integrated Circuits Lab	I Year/II Sem II Year/III Sem II Year/III Sem II Year/III Sem
41	Mrs.Avila Priya	Subject Expert member	➢ Electronic Circuits ➢ Electrical machines-II ➢ Electrical machines-II lab ➢ Data Structures Lab	I Year/II Sem II Year/III Sem II Year/III Sem II Year/III Sem
42	Mr.D.Sivaraj	Subject Expert member	➢ Electrical machines-II lab	II Year/III Sem

2.3 List of Professional Elective Courses offered by the department

S.No	Year/Sem	Name of the Elective Course	Course Code	Number of Students Registered
1	III/V	Utilization Of Electrical Energy	U19EEE51	44
2	III/V	Renewable Energy Sources	U19EEE52	35
3	III/V	Automotive Electronics For Electrical Engineering	U19EEE54	39
4	IV/VII	Power System Economics	EE E11	111
5	IV/VII	Renewable Energy Sources	EE E12	111

2.4 List of Open Elective Courses offered by Other department

S.No	Year/Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
1	III/V	MBA	Product Development And Design	U19HSO51	65
2	III/V	MBA	Project Management For Engineers	U19HSO54	53

2.5 List of Skill Development Courses offered by the department

S.No	Year/Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
1	I/II	Demonstration of Basic Engineering Science	U20EES201	124
2	II/III	Demonstration/Troubleshooting of Electrical and Electronics Equipments	U20EES302	124
3	III/V	Presentation Skills using ICT	U19EES52	118
4	IV/VII	Seminar	EEP72	111
5	IV/VII	Training/Industrial Visit	EEP73	111

2.6 List of Certification Courses offered by the department

S.No	Year/Sem	Name of the Certification Course	Course Code	Number of Students Registered
1	II/III	Solar And Smart Energy System With IOT	U19EEC32	59
2	II/III	Autocad For Electrical	U19EEC31	59
4	I/I	Autocad For Electrical	U20EEC114	109
5	I/II	Python Programming	U20EEC274	109
6	II/III	Solar And Smart Energy System With IOT	U20EEC381	124

2.7 List of Mandatory Courses offered by the department

S.No	Year/Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1.	I/II	Environmental Science	U20EEM202	124
2.	III/V	Essence of Indian Traditional Knowledge	U19EEM51	118

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1 Course Delivery

July 2021 – Dec 2021(ODD SEM)

S.No	Name of the Course	Course Code	Name of the Faculty	No. of Lectures /Practical hours as per syllabus	No. of Lectures /Practical hours as per Lesson Plan	No. of Lectures/ Practical hours conducted
Batch : 2020 – 2024 : I/II/A						
1	Engineering Mathematics-II: Multiple Integrals and Transforms	U20BST215	Mr.P.Suthakar	60	60	57
2	Basic Engineering Science for Electrical Engineering	U20EST238	Mr.K.Oudhayakumar	45	48	48
3	Electric Circuit Analysis	U20EET203	Dr.M.Prabavathy	60	60	58
4	Electrical Machines-I	U20EET204	Ms.B.Mahalakshmi	45	48	46
5	Electronic Circuits	U20EET205	Dr.K.Gowrishankar	45	48	46
6	Digital Electronics	U20EET206	Mrs.G.Kalpana	45	30	30
7	Electric Circuit Analysis Lab	U20EEP203	Mr.B.Parthiban Mr.D.Durairaj	30	30	30
8	Electrical Machines Lab- I	U20EEP204	Mr.A.Narendran Mrs.G.Kalpana	30	30	30
9	Electronics Lab – II	U20EEP205	Ms.R.Aarthi Ms.N.Swarnalakshmi	30	60	58
Batch : 2020 – 2024 : I/II/B						
10	Engineering Mathematics-II: Multiple Integrals and Transforms	U20BST215	Mr.P.Suthakar	60	60	57
11	Basic Engineering Science for Electrical Engineering	U20EST238	Mr.K.Oudhayakumar	45	48	48
12	Electric Circuit Analysis	U20EET203	Ms.V.Vijayasanthi	60	60	58
13	Electrical Machines-I	U20EET204	Mr.R.Ragupathy	45	48	46
14	Electronic Circuits	U20EET205	Mrs.Avilapriya	45	48	46
15	Digital Electronics	U20EET206	Mr.B.Parthiban	45	30	30
16	Electric Circuit Analysis Lab	U20EEP203	Ms.B.Mahalakshmi Mr.R.Nakkeeran	30	30	30
17	Electrical Machines Lab- I	U20EEP204	Mr.R.Rajtilak Mrs.Y.Bosky	30	30	30
18	Electronics Lab – II	U20EEP205	Mrs.G.Konamma Ms.V.Vijayasanthi	30	60	58
Batch : 2019 – 2023 : III/V/A						
19	Measurements and Instrumentation for Electrical Engineering	U19EET51	Dr.S.Anbumalar/Mr.U. Surendarakumaran	45	46	46
20	Control Systems	U19EET52	Ms.N.Swarnalakshmi	60	60	60
21	Transmission and Distribution	U19EET53	Mrs.Y.Bosky	45	46	48
22	Microprocessor and Microcontroller	U19EET54	Mr.C.Adrien Periyanayagam	45	45	48
23	Utilization of Electrical Energy	U19EEE51	Mr.S.Johnpowl	45	45	43

24	Renewable Energy Sources	U19EEE52	Mr.D.Durairaj	45	45	43
25	Automotive Electronics for Electrical Engineering	U19EEE54	Mr.A.Narendran	45	45	43
26	Product Development and Design	U19HSO51	Dr.S.Madhiyarasi	45	45	44
27	Project Management for Engineers	U19HSO54	Mr.R.Anbarasan	45	45	44
28	Numerical Methods and Optimization Lab	U19EEP51	Mr.R.Rajesh	30	30	30
29	Measurements and Instrumentation Lab	U19EEP52	Mr.G.Kalpana Mr.R.Rajtilak Mr.V.Janagiraman	30	30	30
30	Control Systems Lab	U19EEP53	Mr.A.Janagiraman Mr.S.Asokkumar Mr.U.Surendrakumaran	30	30	30
31	Microcontroller and its applications Lab	U19EEP54	Mr.S.Johnpowl Mr.C.Adrien Periyanayagam Mrs.T.Saranya	30	30	30

Batch : 2019 – 2023 : III/V/B

32	Measurements and Instrumentation for Electrical Engineering	U19EET51	Dr.K.Gowrisankar	45	46	46
33	Control Systems	U19EET52	Mr.I.Shivasankkar	60	60	60
34	Transmission and Distribution	U19EET53	Mr.A.Janagiraman	45	46	48
35	Microprocessor and Microcontroller	U19EET54	Dr.C.Kalaivani	45	45	48
36	Utilization of Electrical Energy	U19EEE51	Mr.S.Johnpowl	45	45	43
37	Renewable Energy Sources	U19EEE52	Mr.D.Durairai	45	45	43
38	Automotive Electronics for Electrical Engineering	U19EEE54	Mr.A.Narendran	45	45	43
39	Product Development and Design	U19HSO51	Dr.S.Madhiyarasi	45	45	44
40	Project Management for Engineers	U19HSO54	Mr.R.Anbarasan	45	45	44
41	Numerical Methods and Optimization Lab	U19EEP51	Mr.P.Suthakar	30	30	30
42	Measurements and Instrumentation Lab	U19EEP52	Dr.S.Ganeshkumaran Dr.C.Kalaivani Mr.K.Arun	30	30	30
43	Control Systems Lab	U19EEP53	Mr.D.Durairaj Mr.K.Manikanda prabhu Mr.I.Shivasankkar	30	30	30
44	Microcontroller and its applications Lab	U19EEP54	Mr.K.Thangaraj Mrs.S.Punitha Mr.R.Ragupathy	30	30	30

Batch : 2018 – 2022: IV/VII/A

45	Industrial Management	EE T71	Ms.S.Visalakshi	45	45	46
46	Solid State Drives	EE T72	Mrs.S.Punitha	45	45	46
47	Power System operation and Control	EE T73	Dr.M.Susithra	45	45	48
48	Power System Economics	EE E11	Dr.P.Jamuna	45	45	48
49	Renewable Energy Sources	EE E12	Mr.K.Thangaraj	45	45	45
50	Power system simulation lab	EE P71	Dr.M.Susithra Mr.J.Muruganandham	30	30	30
51	Project Phase-I	EE PW7	Dr.P.Jamuna Mr.K.Arun	30	30	30
52	Seminar	EE P72	Mr.R.Ragupathy Ms.N.Swarnalakshmi	30	30	30

	Batch : 2018 – 2022: IV/VII/B					
53	Industrial Management	EE T71	Mr.T.Chandramohan	45	45	46
54	Solid State Drives	EE T72	Dr.D.Raja	45	45	46
55	Power System operation and Control	EE T73	Mr.R.Rajtilak	45	45	48
56	Power System Economics	EE E11	Dr.S.Vijayasamundiswary	45	45	48
57	Renewable Energy Sources	EE E12	Mr.D.Sivaraj Mr.K. Ramraj	45	45	45
58	Power system simulation lab	EE P71	Dr.D.Raja Mr.V.Janagiraman	30	30	30
59	Project Phase-I	EE PW7	Dr.S.Vijayasamundiswary Mr.A.Janagiraman	30	30	30
60	Seminar	EE P72	Dr.M.Prabavathi Mr.S.Asokkumar	30	30	30
	Batch : 2018 – 2022: IV/VII/C					
61	Industrial Management	EE T71	Mr.T.Chandramohan	45	45	46
62	Solid State Drives	EE T72	Mr.V.Janagiraman	45	45	46
63	Power System operation and Control	EE T73	Mr.A.Narendran	45	45	48
64	Power System Economics	EE E11	Mrs.T.Saranya	45	45	48
65	Renewable Energy Sources	EE E12	Dr.S.Ganeshkumaran	45	45	45
66	Power system simulation lab	EE P71	Mr.R.Rajtilak Mrs.G.Kalpana	30	30	30
67	Project Phase-I	EE PW7	Mr.J.Muruganandham Mrs.S.Punitha	30	30	30
68	Seminar	EE P72	Mr.K.Manikandaprabu Mr.Y.Bosky	30	30	30

3.2   Use of ICT Tools in Teaching Learning

S.No	Name of the Faculty	Name of the Course for which ICT used	Year/ Sem	Batch	ICT Tool/ Technique Used
1	Dr. S. Anbumalar	Linear Integrated Circuits	II/III	2020 – 2024	➢ PPT, ➢ Animation Videos, ➢ Mini project
2	Dr. P. Jamuna	Analysis of power converter	I Year – PG	2021 – 2023	➢ PPT, ➢ Animation Videos
3	Dr. D. Raja	Analysis of Electrical Machines	I Year – PG	2021 – 2023	➢ PPT, ➢ Animation Videos
4	Dr. S.Vijayasamundiswary	Power System Economics	IV/VII	2018 – 2022	➢ PPT, ➢ Animation Videos ➢ Quiz
		Power Plant Engineering	II/III	2020 – 2024	
		Project Phase I	IV/VII	2018 – 2022	
5	Dr.K.Gowrishankar	Electronic Circuits	I/II	2020 – 2024	➢ PPT, ➢ Animation Videos, ➢ Mini project
6	Dr. M.Susithra	Power System operation and Control	IV/VII	2018 – 2022	➢ PPT, ➢ Animation Videos
		Power System Simulation lab	IV/VII	2018 – 2022	
7	Dr. S. Ganesh Kumaran	Measurements and Instrumentation Lab	III/V	2019 – 2023	➢ PPT, ➢ Animation Videos, ➢ Case studies
		Renewable Energy Sources	IV/VII	2018 – 2022	
8	Dr.M.Prabavathi	Seminar	IV/VII	2018 – 2022	➢ PPT,
9	Dr.M.Jayachandran	Research Methodology and IPR	I Year – PG	2021 – 2023	➢ PPT, Case studies
10	Mrs. C.Kalaivani	Microprocessor and Microcontroller	III/V	2019 – 2023	➢ PPT, ➢ Animation Videos
		Measurement and Instrumentation lab	III/V	2019 – 2023	

11	Mr. B. Parthiban	Electric Circuit Analysis Lab	I/II	2020 – 2024	➢ PPT, ➢ Animation Videos
		Digital Electronics	I/II	2020 – 2024	
		Data Structures Lab	II/III	2020 – 2024	
12	Mr. S. John Powl	Utilization of Electrical Energy	III/V	2019 – 2023	➢ MPLAB X IDE ➢ PPT, ➢ Animation Videos
		Microcontroller and its applications Lab	III/V	2019 – 2023	
		Linear Integrated Circuits	II/III	2020 – 2024	
		Linear Integrated Circuits Lab	II/III	2020 – 2024	
13	Mr. A. Janagiraman	Control System lab	III/V	2019 – 2023	➢ PPT, ➢ Animation Videos ➢ Simulation software
		Transmission and distribution	III/V	2019 – 2023	
		Project Phase I	IV/VII	2018 – 2022	
		Linear Integrated Circuits Lab	II/III	2020 – 2024	
14	Mr. D.Durairaj	Electric Circuit Analysis Lab	I/II	2020 – 2024	➢ PPT, ➢ Animation Videos
		Power Plant Engineering	II/III	2020 – 2024	
		Electrical machines- lab II	II/III	2020 – 2024	
		Renewable Energy Sources	III/V	2019 – 2023	
		Control Systems Lab	III/V	2019 – 2023	
15	Mr. V.Malarselvam	Nano Electronics	I Year – PG	2021 – 2023	➢ PPT, ➢ Animation Videos
16	Mr.K.Thangaraj	Microcontroller and its applications Lab	III/V	2019 – 2023	➢ Keil software ➢ PPT, ➢ Animation Videos
		Renewable Energy Sources	IV/VII	2018 – 2022	
		Embedded System	III/V	2019 – 2023	
		Electrical machines-II lab	II/III	2020 – 2024	
17	Mrs.S.Punitha	Protection and Switchgear	IV/VII	2018 – 2022	➢ PPT, ➢ Animation Videos ➢ Keil software
		Microcontroller and its applications Lab	III/V	2019 – 2023	
		Solid State Drives	IV/VII	2018 – 2022	
		Project Phase I	IV/VII	2018 – 2022	
18	Mr.J.Muruganandham	Power system simulation lab	IV/VII	2018 – 2022	➢ PPT, ➢ Animation Videos, ➢ Programming tools
		Project Phase I	IV/VII	2018 – 2022	
		Data Structures	II/III	2020 – 2024	
		Data Structures Lab	II/III	2020 – 2024	
19	Mr. K.Arun	Measurements and Instrumentation Lab	III/V	2019 – 2023	➢ PPT, ➢ Animation Videos, ➢ Programming tools
		Project Phase I	IV/VII	2018 – 2022	
		Data Structures	II/III	2020 – 2024	
		Data Structures Lab	II/III	2020 – 2024	
20	Mr.C.Adrien Perianayagam	Microprocessor and Microcontroller	III/V	2019 – 2023	➢ PPT, ➢ Animation Videos, ➢ MPLAB X IDE
		Microcontroller and its applications Lab	III/V	2019 – 2023	
		Data Structures Lab	II/III	2020 – 2024	
21	Mrs. T.Saranya	Electromagnetic Theory	II/III	2020 – 2024	➢ PPT, ➢ Animation Videos,
		Microcontroller and its applications Lab	III/V	2019 – 2023	
		Power System Economics	IV/VII	2018 – 2022	
		Electrical machines-II	II/III	2020 – 2024	
		Linear Integrated Circuits Lab	II/III	2020 – 2024	
22	Mr.R.Ragupathy	Electrical machines-I	I/II	2020 – 2024	➢ PPT, ➢ Animation Videos, ➢ Virtual labs
		Electromagnetic Theory	II/III	2020 – 2024	
		Microcontroller and its applications Lab	III/V	2019 – 2023	
		Seminar	IV/VII	2018 – 2022	
		Electrical machines-II	II/III	2020 – 2024	
		Electrical machines-II Lab	II/III	2020 – 2024	

No.	Name	Subject	Sem	Year	Resources
23	Mr.A.Narendran	Electrical Machines Lab- I	I/II	2020 – 2024	➢ PPT, ➢ Animation Videos, ➢ Programming tools
		Automotive Electronics for Electrical Engineering	III/V	2019 – 2023	
		Power System operation and Control	IV/VII	2018 – 2022	
24	Mrs. G. Kalpana	Data Structures Lab	II/III	2020 – 2024	➢ PPT, ➢ Animation Videos, ➢ Keil tools
		Digital Electronics	I/II	2020 – 2024	
		Electrical Machines Lab I	I/II	2020 – 2024	
		Measurements and Instrumentation Lab	III/V	2019 – 2023	
		Power system simulation lab	IV/VII	2018 – 2022	
		Special Electrical Machines	I Year – PG	2021 – 2023	
25	Mr. R. Rajtilak	Electrical Machines Lab- I	I/II	2020 – 2024	➢ PPT, ➢ Animation Videos, ➢ Case studies
		Measurements and Instrumentation Lab	III/V	2019 – 2023	
		Power System operation and Control	IV/VII	2018 – 2022	
26	Mr.V.Janagiraman	Measurements and Instrumentation Lab	III/V	2019 – 2023	➢ PPT, ➢ Animation Videos,
		Power system simulation lab	IV/VII	2018 – 2022	
		Solid State Drives	IV/VII	2018 – 2022	
		Data Structures Lab	II/III	2020 – 2024	
27	Mrs.Y.Bosky	Electrical Machines Lab- I	I/II	2020 – 2024	➢ PPT, ➢ Animation Videos,
		Transmission and Distribution	III/V	2019 – 2023	
		Seminar	IV/VII	2018 – 2022	
		Electromagnetic Theory	II/III	2020 – 2024	
28	Mr. K. Manikanda Prabhu	Control Systems Lab	III/V	2019 – 2023	➢ PPT, ➢ Animation Videos,
		Seminar	IV/VII	2018 – 2022	
29	Ms.R.Aarthi	Electronics Lab – II	I/II	2020 – 2024	➢ PPT, ➢ Animation Videos,
		Power Plant Engineering	II/III	2020 – 2024	
		Linear Integrated Circuits Lab	II/III	2020 – 2024	
30	Ms.N.Swarnalakshmi	Electronics Lab – II	I/II	2020 – 2024	➢ PPT, ➢ Animation Videos,
		Control Systems	III/V	2020 – 2024	
		Seminar	IV/VII	2018 – 2022	
		Linear Integrated Circuits Lab	II/III	2020 – 2024	
31	Mr.S.Asokkumar	Control Systems Lab	III/V	2019 – 2023	➢ PPT, ➢ Animation Videos,
		Seminar	IV/VII	2018 – 2022	
32	Mr.N.Kannan	Electrical machines-II lab	II/III	2020 – 2024	➢ PPT, ➢ Animation ➢ Videos,
33	Mr.M.Arul kumar	Audit Course	I Year – PG course	2021 – 2023	➢ PPT, ➢ Animation Videos,
34	Ms. S. Uma Mageswari	Embedded System Lab	III/VI	2019 – 2023	➢ PPT, ➢ Animation Videos,
		Data Structures Lab	II/III	2020 – 2024	
35	Mrs.G.Konamma	Electronics Lab – II	I/II	2020 – 2024	➢ PPT, ➢ Animation Videos,
		Data Structures Lab	II/III	2020 – 2024	
		Linear Integrated Circuits	II/III	2020 – 2024	
36	Mrs.B.Mahalakshmi	Electrical Machines-I	I/II	2020 – 2024	➢ Mini Project ➢ PPT, ➢ Animation Videos,
		Electric Circuit Analysis Lab	I/II	2020 – 2024	
		Linear Integrated Circuits Lab	II/III	2020 – 2024	
37	Ms.V.Vijayasanthi	Electric Circuit Analysis	I/II	2020 – 2024	➢ PPT, ➢ Mini Project ➢ Animation Videos,
		Electronics Lab – II	I/II	2020 – 2024	
		Linear Integrated Circuits Lab	II/III	2020 – 2024	
		Electrical machines-II lab	II/III	2020 – 2024	

38	Mr. U.Surendrakumaran	Electrical machines-II lab	II/III	2020 – 2024	➢ PPT, ➢ Animation Videos, ➢ Mini Project
39	Mr.I.Shivasankkar	Control Systems	III/V	2019 – 2023	➢ PPT, ➢ Animation Videos, ➢ Mini Project
		Control Systems Lab	III/V	2019 – 2023	
		Data Structures	II/III	2020 – 2024	
		Power converters simulation Lab	I Year – PG	2021 – 2023	
40	Mr.R.Nakkeeran	Electric Circuit Analysis Lab	I/II	2020 – 2024	➢ PPT, ➢ Animation Videos,
		Linear Integrated Circuits	II/III	2020 – 2024	
		Electrical machines-II lab	II/III	2020 – 2024	
		Linear Integrated Circuits Lab	II/III	2020 – 2024	
41	Mrs.Avila Priya	Electronic Circuits	I/II	2020 – 2024	➢ PPT, ➢ Animation Videos ➢ Mini Project
		Electrical machines-II	II/III	2020 – 2024	
		Electrical machines-II lab	II/III	2020 – 2024	
		Data Structures Lab	II/III	2020 – 2024	
42	Mr.D.Sivaraj	Electrical Machines-II lab	II/III	2020 – 2024	➢ PPT, ➢ Animation Videos

3.3 List of Expert Lectures/Workshop Conducted

S.No	Topic of Lecture/Workshop	Expert Speaker/Resource Person	Date of Conduction	Target Audience
1	Circuit simulator software-Proteus	Dr.M.Muruganandham, Lecturer, Department of Engineering, University of Technology and applied sciences, Ibri ,Sultanate of Oman.	18.12.2021	II YEAR
2	GATE Cracking Strategy and Ideas in Setting up Start-ups	Mr.Karpardi M, Research Scholar, Department of Biomedical Engineering, IIT Hyderabad.	14.12.2021	IV YEAR
3	Application Of Fourier Transform	Mr.S.Saranraj, Junior Engineer, Telecom Service, BSNL, Chennai Telephones.	4.12.2021	II YEAR
4	Industrial Utilities	Mr.V.Chandrasekaran, Chief Executive Officer, NITAS, Chennai,	30.10.2021	III & IV YEAR
5	Live Line Maintenance of Transmission Lines and Substation	Mr.S.Prakash, Assistant Director, National Power Training Institute, Ministry of Power, Government of India, Hot Line Training Centre, Bengaluru	23.10.2021	III & IV YEAR
6	Protective Relays: A Technical Approach	Mr.T.Phrabudoss, Proprietor, V Equal IR T & C Service, Chennai Mr.Rakesh Ravi, Sr. Protection Engineer ,V Equal IR T & C Service, Chennai	23.10.2021	III YEAR
7	All about solar pv for start up	Mr.R.Harish, Design/Sales Engineer, Sun360 Pvt Ltd, Goa.	16.10.2021	III YEAR
8	Decoding abroad studies	Mr.Aswath Ram R S, Graduate Thesis student, Creative Team-Indian students association, Illinois Institute of technology, Chicago, USA	24.9.2021	IV YEAR
9	Solar Power Installation, Operation and Maintenance	Dr. C. Kannan, CEO, Sri Varshini Electronics, Tindivanam	25.09.2021	III & IV YEAR
10	Hydro Power Generation	Mr.S.D.Arphaxad, Key Account Manager, Eureka Forbes Ltd, Kochi	4.9.2021	III YEAR
11	Energy Efficiency and Energy Conservation	Mr.R.Vasudevan, Energy Conservation Consultant, Petroleum Conservation Research Association.	17.8.2021	IV YEAR

3.4 Activities for Slow and Advanced Learners

S. No	Name of the Faculty	Name of the Course	Year/ Sem	Batch	Slow/Advanced Learners are Identified (Yes/No)	No. of Sessions conducted for slow learner	Activities/ Task Assigned for Advanced Learners (Yes/No)
1	Dr. S. Anbumalar	Linear Integrated Circuits	II/III	2020 –2024	Yes	10	Yes
2	Dr. S.Vijayasamundiswary	Power System Economics	IV/VII	2018 –2022	Yes	12	Yes
		Power Plant Engineering	II/III	2020 –2024	Yes	10	Yes
3	Dr.K.Gowrishankar	Electronic Circuits	I/II	2020 – 2024	Yes	12	Yes
4	Dr. M.Susithra	Power System operation and Control	IV/VII	2018 –2022	Yes	10	Yes
5	Dr. S. Ganesh Kumaran	Renewable Energy Sources	IV/VII	2018 –2022	Yes	9	Yes
6	Mrs. C.Kalaivani	Microprocessor and Microcontroller	III/V	2019 –2023	Yes	12	Yes
7	Mr. B. Parthiban	Electric Circuit Analysis Lab	I/II	2020 –2024	Yes	12	Yes
		Digital Electronics	I/II	2020 –2024	Yes	10	Yes
8	Mr. S. John Powl	Linear Integrated Circuits	II/III	2020 –2024	Yes	12	Yes
9	Mr. A. Janagiraman	Transmission and distribution	III/V	2019 –2023	Yes	10	Yes
10	Mr. D.Durairaj	Power Plant Engineering	II/III	2020 –2024	Yes	10	Yes
		Renewable Energy Sources	III/V	2019 –2023	Yes	07	Yes
11	Mr.K.Thangaraj	Renewable Energy Sources	IV/VII	2018 –2022	Yes	10	Yes
		Embedded System	III/V	2019 –2023	Yes	11	Yes
12	Mrs.S.Punitha	Protection and Switchgear	IV/VII	2018 – 2022	Yes	10	Yes
		Solid State Drives	IV/VII	2018 – 2022	Yes	09	Yes
13	Mr.J.Muruganandham	Data Structures	II/III	2020 – 2024	Yes	12	Yes
14	Mr. K.Arun	Data Structures	II/III	2020 – 2024	Yes	11	Yes
15	Mr.C.Adrien Perianayagam	Microprocessor and Microcontroller	III/V	2019 – 2023	Yes	10	Yes
16	Mrs. T.Saranya	Electromagnetic Theory	II/III	2020 – 2024	Yes	12	Yes
17	Mr.R.Ragupathy	Electrical machines-I	I/II	2020 – 2024	Yes	10	Yes
		Electromagnetic Theory	II/III	2020 – 2024	Yes	12	Yes
18	Mr.A.Narendran	Automotive Electronics for Electrical Engineering	III/V	2019 – 2023	Yes	12	Yes
		Power System operation and Control	IV/VII	2018 – 2022	Yes	12	Yes
19	Mrs. G. Kalpana	Digital Electronics	I/II	2020 – 2024	Yes	15	Yes
20	Mr. R. Rajtilak	Power System operation and Control	IV/VII	2018 – 2022	Yes	10	Yes
21	Mr.V.Janagiraman	Solid State Drives	IV/VII	2018 – 2022	Yes	9	Yes
22	Mr.Y.Bosky	Transmission and Distribution	III/V	2019 – 2023	Yes	10	Yes
23	Ms.R.Aarthi	Power Plant Engineering	II/III	2020 – 2024	Yes	10	Yes
24	Ms.N.Swarnalakshmi	Control Systems	III/V	2020 – 2024	Yes	12	Yes
25	Mrs.G.Konamma	Linear Integrated Circuits	II/III	2020 – 2024	Yes	12	Yes

26	Ms.B.Mahalakshmi	Electrical Machines-I	I/II	2020 – 2024	Yes	11	Yes
27	Mr.I.Shivasankkar	Control Systems	III/V	2019 – 2023	Yes	10	Yes
		Data Structures	II/III	2020 – 2024	Yes	12	Yes
28	Mr.R.Nakkeeran	Linear Integrated Circuits	II/III	2020 – 2024	Yes	12	Yes
29	Mrs.Avila Priya	Electronic Circuits	I/II	2020 – 2024	Yes	15	Yes
		Electrical machines-II	II/III	2020 – 2024	Yes	12	Yes

3.5 Counseling and Mentoring

S.No	Particular	Yes/No	Remarks (if any)
1	Mentor Allocation	Yes	–
2	Class wise student Profile Record Maintained	Yes	–
3	Mentor – Mentee Session Record Maintained	Yes	–

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
353	42	1:10

3.6 Internal Evaluation Systems

S.No	Particular	Yes/No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	–
2	Seminar/Project Review Record	Yes	–
3	End Semester Examination Record	Yes	–
4	Student Grade Report	Yes	–

3.7 Learning Outcomes

S.No	Particular	Yes/No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	–
2	Correlation of COs with POs and PSOs for each Course	Yes	–
3	Course Outcome Attainment Calculated	Yes	Attainment Level 1 --→70% and above of Students Secured $\geq$ C grade Attainment Level 2 --→72% and above of Students Secured $\geq$ C grade Attainment Level 3 --→74% and above of Students Secured $\geq$ C grade **Batch: 2018 – 2022** Target: Level 3 Attainment Level 1 --→50% and above of Students Secured $\geq$ B grade Attainment Level 2 --→52% and above of Students Secured $\geq$ B grade Attainment Level 3 --→54% and above of Students Secured $\geq$ B grade **Batch: 2019 – 2023** Target: Level 1 **Batch: 2020 – 2024** Target: Level 2 **Batch: 2021 – 2025** Target: Level 3
4	PSO and PO attainment through CO	Yes	–

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3.8   Student Performance in End Semester Examination

Semester – II (Batch 2020 – 2024)

Sr. No	Particular	B. Tech
1	Number of Students appeared	109
2	Number of All Clear Students	98
3	Number of Students passed with Distinction	-
4	Number of Students passed with First Class	-
5	Number of Students passed with Second Class	-
6	Number of Students Failed	11
7	Passing Percentage	89.90%

Semester – V (Batch 2019 – 2023)

Sr. No	Particular	B. Tech
1	Number of Students appeared	118
2	Number of All Clear Students	100
3	Number of Students passed with Distinction	-
4	Number of Students passed with First Class	-
5	Number of Students passed with Second Class	-
6	Number of Students Failed	18
7	Passing Percentage	84.74 %

Semester – VII (Batch 2018 – 2022)

Sr. No	Particular	B. Tech
1	Number of Students appeared	111
2	Number of All Clear Students	101
3	Number of Students passed with Distinction	-
4	Number of Students passed with First Class	-
5	Number of Students passed with Second Class	-
6	Number of Students Failed	10
7	Passing Percentage	90.99 %

SECTION – IV: STRUCTURED FEEDBACK

S.No	Particular	Yes/No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	353	–
2	Parent Meet/Parent Feedback on Teaching conducted with action taken report	Yes	25	–
3	Student Exit Survey conducted and Analyzed	-	-	–
4	Alumni Feedback conducted and Analyzed	-	-	-

SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS

5.1 Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project/Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
1	Dr.M.Jayachandran	Convolutional Neural Network Based Helmet Detection On Electric-Bike	RECON Group of Companies, Tamilnadu	Rs. 1,04,000	9 Months
2	Mr.R.Ragupathy	Food Preservation using Pulse Electric Field	RECON Group of Companies, Tamilnadu	Rs. 1,00,000	9 Months
3	Mr.D.Sivaraj	Spot Welding Using PWM Controller	RECON Group of Companies, Tamilnadu	Rs. 76,000	6 Months
4	Mr.D.Sivaraj	MPPT algorithm for solar application	RECON Group of Companies, Tamilnadu	Rs. 1,00,000	6 Months
5	Dr.S.Ganesh Kumaran	IoT based water management using flow	RECON Group of Companies, Tamilnadu	Rs. 70,000	6 Months

5.2 Consultancy Works

S.No	Name of the Faculty	Title of Project	Funding Agency	Fund Generated	Duration of the Consultancy
1	Dr.M.Jayachandran	Convolutional Neural Network based Helmet Detection on Electric - Bike	RECON Group of Companies, Tamilnadu	Rs. 52,000	1 Year
2	Mr.R.Ragupathy	Food Preservation using Pulse Electric Field	RECON Group of Companies, Tamilnadu	Rs. 50,000	1 Year

5.3 Faculty Publications Publication Details (Last Four Years)

Sl.No	Academic year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range/ Average Impact Factors
1.	2021-2022	**Dr. M.Jayachandran,** K.PrasadaRao, Ranjith Kumar Gatla, C.Kalaivani, C.Kalaiarasy Operational concerns and solutions in smart electricity distribution systems, utilities Policy, vol. 74, pp.101329, 2022. ISSN: 0957-1787.	Science Index	01	-	-
2.		**Dr. M.Jayachandran,** A Unique Interlinking Converter Control for Hybrid AC/DC Islanded Microgrids, In Sustainable Communication Networks and Application. Springer, pp. 177-186, 2022. ISBN: 978-981-16-6605-6.	Science Index	08	-	-

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3.		Dr. M.Jayachandran, Operational planning steps in smart electric power delivery system, Scientific Reports, vol. 11, no. 1, pp. 1–21, 2021. ISSN: 2045-2322.	Science Index	-	-	-
4.		Dr. M.Jayachandran, power-domain NOMA for massive connectivity in smart grid communication networks, Power Electronics and Renewable Energy Systems. Springer, pp. 205–212, 2022. ISBN: 978-981-16-4943-1.	Science Index	01	-	-
5.		Dr. M.Jayachandran, MPC-based power quality solution using energy storage technology for PV based islanded microgrids, Recent Advances in Manufacturing, Automation, Design and Energy Technologies. Springer, pp. 843–851, 2022. ISBN: 978-981-16-4222-7	Science Index	01	-	-
6.		Dr. K.Gowrishankar, Extended Over Modulation Zone Three-Dimensional SVPWM for Three-Level Neutral-Point-Clamped", Materials Today: Proceedings, Elsevier, Volume 52, Part 3, 2022, pp.: 1756-1762.	Science Index	-	-	-
7.		N.Swarnalakshmi, Wireless power transmission for E-Vehicle by mutual coupling," Strad Research", Vol 8, Issue 8, Pages: 486 – 49, Aug 2021,ISSN: 0039-2049.	UGC	-	-	-
8.		Dr.S.Anbumalar, A survey on photovoltaic grid system under voltage stability of power grid," International Journal of advances in engineering and management", vol. 03(05),. ISSN: 2395-5252. pp.1044-1050, 2021.	UGC	-	-	-
9.		Dr.S.Anbumalar, Microgrid based wind-solar cogeneration using bi-directional voltage source converters," International Journal of advances in engineering and management", vol. 03(07),. ISSN: 2395-5252. pp.881-895, 2021.	UGC	-	-	-

10.	2020-2021	**Dr.P.Jamuna,** Dr.S.Anbumalar and D.Raja, Design and Simulation of Asymmetrical Multilevel Inverter with Reduced Switches, International Journal of Emerging Technologies and Innovative Research, Volume 7, Issue .6,pp.1280-1284,2020 UGC-CARE Approved ISSN: 2349-5162	**UGC Approved**	-	-	**7.95**
11.		P. **Jamuna** , S.Anbumalar , S. Akashraj, N. Sabarish, A. Anand Jacob Raj, S. Muralidharan, Design & Simulation of Switched Reluctance Motor for E-Vehicle, International Journal of Emerging Technologies and Innovative Research, Vol .7,Issue 7/2020.pp.760-765. ISSN-2349-5162.UGC Approved ISSN: 2349-5162	**UGC Approved**	-	-	**7.95**
12.	2019-2020	**D. Raja** , G. Ravi ,Dynamic modeling and control of five phase SVPWM inverter fed induction motor drive with intelligent speed controller, Journal of Ambient Intelligence and Humanized Computing, Springer-Verlag GmbH Germany, part of Springer Nature 2020	**SCI**	-	41	**6.13**
13.		**K. Thangaraj,** K.subramaiamNP,**Narmada. R**, and OmaMageswari.M, "Analysis of harmonic using wavelet technique", International Journal of Electrical and computer Engineering ,ISSN 2088-8708, Vol 9, issue.3, PP 1669-1675, 2019	**Scopus**	-	4	0.83

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14.		G. Jegadeeswari, B. Kirubadurai, D. Lakshmi, **I. Shivasankkar**, Multi carrier based new random pulse width modulation for three phase inverters, International journal of scientific & technology research, ISSN 2277-8616 ,Vol. 9, Issue No 02, PP 5425 -5432 February 2020	Scopus	-	-	0.2
15.		**Dr.S.Ganeshkumaran** and Dr.C.R.Balamurugan, "Enhancement of smartness and security in ATM by Global system for mobile communication", Journal of Engineering Science and Technology, ISSN1823-4690, vol. 13, issue 7, PP 2065 - 2083, 2018	**ESC**	-	21	0.22
16.	2018-2019	**D. Raja** and G. Ravi, "A new switch ladder topology for five phase multilevel inverter fed five phase induction motor", Journal of advanced research in dynamical & control systems ISSN 1943023X,vol.10,special issue 9,pp.1961-1968, 2018	**Scopus**	-	-	-
17.		**U. Surendrakumaran** and Alamelu Nachiappan., "Voltage-fed Full Bridge Inverter Topology for Inductive Wireless Power Transfer Application", International Journal of Pure and Applied Mathematics (Scopus indexed journal), Volume 118 No. 24 2018 ISSN : 1314-3395	**Scopus**	-	24	0.46
18.		**U.Surendrakumaran**, and Nachiappan, Alamelu, Three-coil Inductive Power Transfer Using a Direct AC-AC Converter Topology for EV Charging Application (May 17, 2019). Available at SSRN: http://dx.doi.org/10.2139/ssrn.3419767 (Elsevier-SSRN)	**Scopus**	-	-	-

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	-
Number of Publication in International Journals	09
Number of Publication in National Conferences	-
Number of Publication in International Conferences	-
Number of Books/Book Chapters	-
Number of Patent (Filed)	-
Number of Patents Granted	02

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN/ISSN
1	–	–	–	–

International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1.	Operational concerns and solutions in smart electricity distribution systems	Dr. M.Jayachandran, K.Prasada Rao, Ranjith Kumar Gatla, C.Kalaivani, C.Kalaiarasy	utilities Policy	vol. 74, pp.101329, 2022. ISSN: 0957-1787	Science Index
2.	A Unique Interlinking Converter Control for Hybrid AC/DC Islanded Microgrids,	Dr. M.Jayachandran	Sustainable Communication Networks and Application Springer	pp. 177-186, 2022. ISBN: 978-981-16-6605-6.	Science Index
3.	Operational planning steps in smart electric power delivery system,	Dr. M.Jayachandran	Scientific Reports	vol. 11, no. 1, pp. 1–21, 2021. ISSN: 2045-2322.	Science Index
4.	power-domain NOMA for massive connectivity in smart grid communication networks	Dr. M.Jayachandran	Power Electronics and Renewable Energy Systems. Springer	pp. 205–212, 2022. ISBN: 978-981-16-4943-1.	Science Index
5.	MPC-based power quality solution using energy storage technology for PV based islanded microgrids	Dr. M.Jayachandran	Recent Advances in Manufacturing, Automation, Design and Energy Technologies. Springer	pp. 843–851, 2022. ISBN: 978-981-16-4222-7	Science Index
6.	Extended Over Modulation Zone Three-Dimensional SVPWM for Three-Level Neutral-Point-Clamped	Dr. K.Gowrishankar	Materials Today: Proceedings, Elsevier	Volume 52, Part 3, 2022, pp.: 1756-1762.	Science Index
7.	Wireless power transmission for E-Vehicle by mutual coupling	N.Swarnalakshmi	Strad Research	Vol 8, Issue 8, Pages: 486 – 49, Aug 2021,ISSN: 0039-2049.	UGC
8.	A survey on photovoltaic grid system under voltage stability of power grid	Dr.S.Anbumalar	International Journal of advances in engineering and management	vol. 03(05),. ISSN: 2395-5252. pp.1044-1050, 2021.	UGC
9.	Microgrid based wind-solar cogeneration using bi-directional voltage source converters	Dr.S.Anbumalar	International Journal of advances in engineering and management	vol. 03(07),. ISSN: 2395-5252. pp.881-895, 2021	UGC

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National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN/ISSN	Publisher
—	—	—	—	—	—	—

International Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN/IS SN	Publisher
-	-	-	-	-	-	-

Books / Book Chapters

S.No	Title of Book/Book Chapter	Name of the Authors	ISBN/ISSN	Publisher
—	—	—	—	—

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1.	1)Dr.Suresh Kumar Pittala 2)Ms.B. Rama Sulochana 3)Dr.B.Rajani 4)Dr.RajenderUdutha **5)Dr.K.Gowrishankar** 6)Mr.RayuduSrinivas 7)Dr.SushmaJaiswal 8)Mr.TarunJaiswal 9)Dr. Harish Chandra Mohanta 10)Mr.SyedJaveedBasha	1)Dr.Suresh Kumar Pittala 2)Ms.B. Rama Sulochana 3)Dr.B.Rajani 4)Dr.RajenderUdutha **5)Dr.K.Gowrishankar** 6)Mr.RayuduSrinivas 7)Dr.SushmaJaiswal 8)Mr.TarunJaiswal 9)Dr. Harish Chandra Mohanta 10)Mr.SyedJaveedBasha	A connector module for a VLSI circuit with a battery pack	202141043814 A	India	Published

Design Patent

S.No	Design number	Publication Date	Title of the invention	Name of Inventor	The Patent Office Journal No
1.	350541-003	12.11.2021	SMART AGRO WEEDING MACHINE	1. SMVEC 2. Dr.S.ANBUMALAR 3. Dr.P.JAMUNA 4. Dr.D.RAJA 5. Dr. S. GANESH KUMARAN	46/2021

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S.No	Name of the student	Name of the sponsored industry/Research institute/Partnering Institution	About Internship		
			Duration	From date	To date
-	-	-	-	-	-

6.2   Sponsored/Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry/Research Institute/Partnering Institution	Duration of the Project (Months)
1	Convolutional Neural Network based Helmet Detection on Electric - Bike	Dr.M.Jayachandran	RECON Group of Companies, Tamilnadu	1 Year
2	Food Preservation using Pulse Electric Field	Mr.R.Ragupathy	RECON Group of Companies, Tamilnadu	1 Year

6.3   Industrial Visits

S.No	Name of the Industry/Company/Research Institute	Date of Visit	Target Audience	Number of Students Participated
-	-	-	-	-

6.4   Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry/Company/Research Institute	Date of Commencement	Purpose	Duration
1	Auro Tech Transformers, Puducherry	2019	Industrial Visit, Skill Development	Long Term
2	Abirami Enterprises Pvt. Ltd., Puducherry	2020	Industrial Visit, Skill Development	Long Term
3	Surya Enterprises, Puducherry	2020	Industrial Visit, Skill Development	Long Term
4	General Electrical and Mechanical works, Puducherry	2020	Industrial Visit, Skill Development	Long Term
5	Appasamy Associates, Puducherry	2020	Consultancy, Internship and Others	Long Term

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	93
Number of Students opted Higher Studies	-
Number of Entrepreneur	-

7.1   Placements

S No.	Reg. No.	Name of the student placed	Company Placed	Salary Package
1.	18TE0111	ARUNKUMAR M	ZOHO	5.50 LAKHS/ANNUM
2.	18TE0161	PRAVEEN P	ZOHO	5.50 LAKHS/ANNUM
3.	18TE0103	AKSHAYA M	MU SIGMA	1st Year – 3.00 LAKHS/ANNUM 4th Year - 40.00 LAKHS/ANNUM
4.	18TE0112	ASHWIN S	MU SIGMA	1st Year – 3.00 LAKHS/ANNUM 4th Year - 40.00 LAKHS/ANNUM
5.	18TE0145	KISHOREKUMAR M	MU SIGMA	1st Year – 3.00 LAKHS/ANNUM 4th Year - 40.00 LAKHS/ANNUM
6.	18TE0155	NITHISH BALAJI B	MU SIGMA	1st Year – 3.00 LAKHS/ANNUM 4th Year - 40.00 LAKHS/ANNUM
7.	18TE0157	PARKAVI N	MU SIGMA	1st Year – 3.00 LAKHS/ANNUM 4th Year - 40.00 LAKHS/ANNUM
8.	18TE0175	SIVARAMACHANDRAN S	MU SIGMA	1st Year – 3.00 LAKHS/ANNUM 4th Year - 40.00 LAKHS/ANNUM
9.	18TE0113	AYSSWARYA LAKSHMI S	MU SIGMA	1st Year – 3.00 LAKHS/ANNUM 4th Year - 40.00 LAKHS/ANNUM

10.	18TE0130	HEMA SUPRAJHA P	CTS GENC-ELEVATE	4.50 LAKHS/ANNUM
11.	18TE0148	MANOJ KHUMAR G	CTS GENC-ELEVATE	4.50 LAKHS/ANNUM
12.	18TE0178	SRI BALAJI S	ECON	4.20 LAKHS/ANNUM
13.	18TE0101	ABISHEAK S	CTS-GENC	4.00 LAKHS/ANNUM
14.	18TE0104	AKSHAYAKUMAR M	CTS-GENC	4.00 LAKHS/ANNUM
15.	18TE0110	ARUNKUMAR M	CTS-GENC	4.00 LAKHS/ANNUM
16.	18TE0115	BHUVANESWARI T	CTS-GENC	4.00 LAKHS/ANNUM
17.	18TE0116	BRINDHA S	CTS-GENC	4.00 LAKHS/ANNUM
18.	18TE0118	DHARANEESHWAR R	CTS-GENC	4.00 LAKHS/ANNUM
19.	18TE0121	DIVYASRI S	CTS-GENC	4.00 LAKHS/ANNUM
20.	18TE0124	GOBIDHAN M	CTS-GENC	4.00 LAKHS/ANNUM
21.	18TE0125	GOBINATHAN K	CTS-GENC	4.00 LAKHS/ANNUM
22.	18TE0126	GOKULAKUMARAN N	CTS-GENC	4.00 LAKHS/ANNUM
23.	18TE0138	KEERTHIKA V	CTS-GENC	4.00 LAKHS/ANNUM
24.	18TE0139	KESAVAPRIYA M	CTS-GENC	4.00 LAKHS/ANNUM
25.	18TE0140	KEVIN E	CTS-GENC	4.00 LAKHS/ANNUM
26.	18TE0141	KIRAN S	CTS-GENC	4.00 LAKHS/ANNUM
27.	18TE0144	KISHOR I	CTS-GENC	4.00 LAKHS/ANNUM
28.	18TE0146	MALARVIZHI J	CTS-GENC	4.00 LAKHS/ANNUM
29.	18TE0150	NANDHINI K	CTS-GENC	4.00 LAKHS/ANNUM
30.	18TE0153	NAVANEETHA N	CTS-GENC	4.00 LAKHS/ANNUM
31.	18TE0156	NIVEDHA K	CTS-GENC	4.00 LAKHS/ANNUM
32.	18TE0170	SARANYA MARAN PURUSHOTHAMAN	CTS-GENC	4.00 LAKHS/ANNUM
33.	18TE0180	SRINIVASSAN R	CTS-GENC	4.00 LAKHS/ANNUM
34.	18TE0131	HEMANTH HARISH P	CTS-GENC	4.00 LAKHS/ANNUM
35.	18TE0105	ALICE ARNALD A	MINDTREE	4.00 LAKHS/ANNUM
36.	18TE0107	ARAVINDHAN M	MINDTREE	4.00 LAKHS/ANNUM
37.	18TE0120	DINESH KUMAR V	MINDTREE	4.00 LAKHS/ANNUM
38.	18TE0154	NISHALINI B	MINDTREE	4.00 LAKHS/ANNUM
39.	18TE0158	PRADEEP KUMAR G	MINDTREE	4.00 LAKHS/ANNUM
40.	18TE0159	PRAVEEN KUMAR K	MINDTREE	4.00 LAKHS/ANNUM
41.	18TE0160	PRAVEEN KUMAR V	MINDTREE	4.00 LAKHS/ANNUM
42.	18TE0162	PRAVEEN RAJ M	MINDTREE	4.00 LAKHS/ANNUM
43.	18TE0166	RAGHUL M	MINDTREE	4.00 LAKHS/ANNUM
44.	18TE0168	REMIYAN B	MINDTREE	4.00 LAKHS/ANNUM
45.	18TE0169	SANTHAKUMAR M	MINDTREE	4.00 LAKHS/ANNUM
46.	18TE0171	SARVESVARAN SJ	MINDTREE	4.00 LAKHS/ANNUM
47.	18TE0172	SHAHAD SHAMSUDHIEN	MINDTREE	4.00 LAKHS/ANNUM
48.	18TE0174	SIDDHARTH C	MINDTREE	4.00 LAKHS/ANNUM
49.	18TE0176	SNEKA M	MINDTREE	4.00 LAKHS/ANNUM
50.	18TE0198	KALAIVANI R	MINDTREE	4.00 LAKHS/ANNUM
51.	18TE0199	ALWIN GREGORY C	MINDTREE	4.00 LAKHS/ANNUM
52.	18TE0200	RAJESWARI P	MINDTREE	4.00 LAKHS/ANNUM
53.	18TE0201	ANITHA	MINDTREE	4.00 LAKHS/ANNUM
54.	18TE0137	KEERTHANA G	OALA	4.00 LAKHS/ANNUM

55.	18TEL006	VALAVAN.V	HCL	3.65 LAKHS/ANNUM
56.	18TEL005	KIRUBA D	INFOSYS	3.60 LAKHS/ANNUM
57.	18TE0108	ARAVINDHAN N	WIPRO	3.50 LAKSH/ANNUM
58.	18TE0114	BALAJI R	WIPRO	3.50 LAKSH/ANNUM
59.	18TE0119	DINESH KUMAR P	WIPRO	3.50 LAKSH/ANNUM
60.	18TE0136	KAVITHA A	WIPRO	3.50 LAKSH/ANNUM
61.	18TE0151	NARMATHA R	WIPRO	3.50 LAKSH/ANNUM
62.	18TE0152	NAVANEEDHAKANNAN R	WIPRO	3.50 LAKSH/ANNUM
63.	18TE0165	RAAJEEV E	WIPRO	3.50 LAKSH/ANNUM
64.	18TE0167	REETHA S	WIPRO	3.50 LAKSH/ANNUM
65.	18TE0179	SRIKANTH G	WIPRO	3.50 LAKSH/ANNUM
66.	18TE0187	YOGARAJ S	WIPRO	3.50 LAKHS/ANNUM
67.	18TE0142	KIRUBANITHI A	INDIA NIPPON ELECTRICALS LIMITED	3.50 LAKHS/ANNUM
68.	18TE0106	AMRUTHA V	TCS –NINJA	3.36 LAKHS/ANNUM
69.	18TE0128	GUNA M	TCS –NINJA	3.36 LAKHS/ANNUM
70.	18TE0132	INDHUJA S	TCS –NINJA	3.36 LAKHS/ANNUM
71.	18TE0143	KIRUTHIVAS A	TCS –NINJA	3.36 LAKHS/ANNUM
72.	18TE0147	MANIBHARATHY K	TCS –NINJA	3.36 LAKHS/ANNUM
73.	18TE0149	MUKESH MANI S P	TCS –NINJA	3.36 LAKHS/ANNUM
74.	18TE0164	PREMKUMAR S	TCS –NINJA	3.36 LAKHS/ANNUM
75.	18TE0133	JAIHARI K	EATON	2.50 LAKHS/ANNUM
76.	18TE0184	VIGNESHWARAN A	EATON	2.50 LAKHS/ANNUM
77.	18TE0186	VIKNESH V	MY MEDICAL SHOP	2.50 LAKHS/ANNUM
78.	18TE0109	ARAVINDHAN S	VOLTECH	2.50 LAKHS/ANNUM
79.	18TE0117	CHANDRU S	VOLTECH	2.50 LAKHS/ANNUM
80.	18TE0123	FARUK KHAN Z	VOLTECH	2.50 LAKHS/ANNUM
81.	18TE0127	GOWTHAM G	VOLTECH	2.50 LAKHS/ANNUM
82.	18TE0129	HARIHARAN G	VOLTECH	2.50 LAKHS/ANNUM
83.	18TE0134	JAYASURIYA S J	VOLTECH	2.50 LAKHS/ANNUM
84.	18TE0135	KALISARAN R	VOLTECH	2.50 LAKHS/ANNUM
85.	18TE0177	SOWRIRAJAN S	VOLTECH	2.50 LAKHS/ANNUM
86.	18TE0181	SURIYAPRASHAD E	VOLTECH	2.50 LAKHS/ANNUM
87.	18TE0182	VEL V	VOLTECH	2.50 LAKHS/ANNUM
88.	18TE0185	VIJAYRAJA M	VOLTECH	2.50 LAKHS/ANNUM
89.	18TE0163	PREM KUMAR S	VOLTECH	2.50 LAKHS/ANNUM
90.	18TE0195	VIKRAM SRIRAM V	VOLTECH	2.50 LAKHS/ANNUM
91.	18TE0196	ILAKIIAN K R	VOLTECH	2.50 LAKHS/ANNUM
92.	18TE0197	RESHMA BANU	VOLTECH	2.50 LAKHS/ANNUM
93.	18TE0183	VIGNESH V	APPASAMY ASSOCIATES	2.43 LAKHS/ANNUM

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7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1.	Prem kumar.V	ESIGELEC school of Engineering	Master in Science and technology – Software Engineering Digital Transformation
2.	Gokul.K	Pondicherry Engineering College	Master of Technology
3.	Baranedaran.M	Pondicherry University	Master of Business Administration
4.	Gowtham.V	Pondicherry Engineering College	Master of Technology

7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location/Address
-	-	-	-	-

SECTION – VIII: ACTIVITY CONDUCTED/ORGANIZED BY THE DEPARTMENT

8.1 Technical Event/Workshop for Student

S.No	Name of the Event/ Workshop	Organized under (Department/ Student Association/ Profession Chapter/ Student Club)	Date of Event	Level (State/ National/ International)	No. of Participants
–	–	–	–	–	–

8.2 FDP/Workshop/STTP/Conference for Faculty

S.No	Name of the Event/ Workshop	Organized under(Department/Student Association/ Profession Chapter)	Date of Event	Level (State/ National/ International)	No. of Participants

SECTION – IX: ACHIEVEMENTS

9.1 Awards and Prizes Received by Students

S.No	Name of the Student	Event Name/Details	Organized by	Achievement/Position/Prizes
1	Dhilipkumar S Devanathan J Dineshe S Gugan M	CII Puducherry Innovation Contest 2021	Confederation of Indian Industry	Shortlisted to stage II
2	Gugan M	MITILENCE-2021	Manakula Vinayagar institute of Technology	First Prize
3	Ariprasath. N Deepa Pragasan. V. Kumaran. S Yogeshwar S	CII Puducherry Innovation Contest 2021	Confederation of Indian Industry	Shortlisted to stage II

9.2 Participation of teachers in various activities as a Members of Committees at University Level/State Level/National Level/International Level bodies

S.No	Name of the Faculty	Members of Committees at University Level/State Level/National Level/International Level as
1	–	–

9.3 Details of Faculty Appointed/Nominated on Editorial Boards/Reviewers

S.No	Name of the Faculty	Name of Editorial Boards/Conferences
1	Dr.S.Anbumalar	Reviewer invitation for IET Generation , Transmission and Distribution
2	D.Raja	Reviewer for Journal of the International Measurement Confederation
3	D.Raja	Reviewer for International Journal of Fuzzy Systems
4	Dr.S.Ganeshkumaran	Reviewer for Renewable & Sustainable energy reviews
4	Mr.K. Thangaraj	Reviewer for Heliyon
5	Mr.K. Thangaraj	Reviewer for Walailak Journal of Science and Technology (Scopus Indexed Journal)
6	Mr.K. Thangaraj	Reviewer for Journal of Education

9.4 Awards/Prizes and Recognitions received by teachers at University, State, National and International Level

Sl.No	Name of the Faculty	Name of the Awards/Recognition
1.	Dr.S.Anbumalar	Reviewer invitation for an algebraic model for a basic epistemic logic
2.	Dr.S.Anbumalar	Invitation for technical program committee reviewer 2021
3.	Dr.S.Anbumalar	An editor for the IEEE transactions on vehicular technology
4.	Dr.S.Anbumalar	Received appreciation certificate for NBA accreditation process
5.	Mr.V.Malarselvam	Mentor of inter college innovation challenge
6.	Mr.K.Thangaraj	Evaluator for Toycathon 2021 organized by AICTE
7.	Dr.S.Ganeshkumaran	Internship lecture on IOT for engineering systems.

9.5 Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

Sl. No.	Name of the Faculty	Name of the FDP Training/STTP	Duration (From – To)
1.	Dr.S.Anbumalar	FDP on Towards 5G & Beyond with IoT and Machine Learning	26.07.2021 to 30.7.2021
		FDP on Insight of NBA	28.06.2021 to 30.06.2021
2.	Dr.P.Jamuna	FDP on Towards 5G & Beyond with IoT and Machine Learning	26.07.2021 to 30.7.2021

		FDP on Insight of NBA	28.06.2021 to 30.06.2021
		Online orientation training programme for mentors under national initiative for technical teachers training	14.07.2021 to 18.07.2021
3.	Dr.S.Ganesh Kumaran	Online orientation training programme for mentors under national initiative for technical teachers training	14.07.20201 to 18.07.2021
		FDP on Insight of NBA	28.06.2021 to 30.06.2021
4.	Dr.D.Raja	National level seminar on recent technology development in Electric vehicle system and its applications in defense	09.07.2021 to 10.7.2021
		FDP on using simulation tools provided by technology partner ANSYS software Pvt. Ltd.	28.06.2021 to 02.07.2021
		FDP on Insight of NBA	28.06.2021 to 30.06.2021
		Online orientation training programme for mentors under national initiative for technical teachers training	14.07.20201 to 18.07.2021
5.	Mr.A.Janagiraman.	FDP on Eminence of electric vehicles and robotics in agronomy	21.6.2021 to 25.6. 2021
		FDP on Insight of NBA	28.06.2021 to 30.06.2021
		FDP on Cutting Edge Technologies in Energy Storage System for E-Mobility	14-06-2021 to 18-06-2021
6.	Mr.K.Thangaraj	Recent Trends in Power System Operation and Control	12.07.2021 to 16.07.2021
		FDP on Insight of NBA	28.06.2021 to 30.06.2021
7.	Mr.J.Muruganandham	Recent Trends in Power System Operation and Control	12.07.2021 to 16.07.2021
		FDP on Insight of NBA	28.06.2021 to 30.06.2021
8.	Mr.R.Ragupathy	FDP on Recent Trends in Power System Operation and Control	12.07.2021 to 16.07.2021
		FDP on Insight of NBA	28.06.2021 to 30.06.2021
9.	Ms.N.Swarnalakshmi	"Recent Trends in Electrical Engineering"	12.07.2021 to 17.07.2021
		FDP on "Towards 5G & Beyond with IoT and Machine Learning	26.07.2021 to 30.7.2021
		FDP on Insight of NBA	28.06.2021 to 30.06.2021
10.	Mr.U.Surendrakumaran	Digital teaching methodology during COVID situation	7.06.2021 to 11.06.2021
11.	Mr. I.Shivasankkar	FDP on "Towards 5G & Beyond with IoT and Machine Learning	26.07.2021 to 30.7.2021
12.	Mr.R.Nakkeeran	Online certification course on Electrical Product Design	1.06.2021 to 06.06.2021

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit
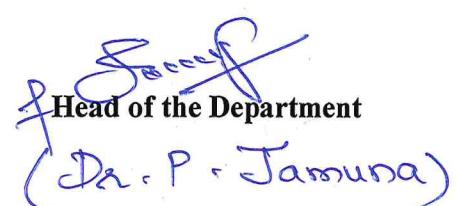
Head of the Department

(Dr. P. Jamuna)

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Recommendations:

Section	Remarks
Curricular Aspects	Supporting Documents need to be evidenced.
Teaching, Learning and Evaluation	Documents Submitted mismatched with the hours indicated.
Structured Feedback	-
Research, Innovation and Publications	-
Collaborations and Linkages	-
Student Progression	-
Activity Conducted / Organized by the Department	-
Achievements	Student's participation in events organized by reputed organizations needs to be increased.
General Remarks	-

Signature of the Internal Academic Audit Experts

Prof. Dr. S. Balaji
Associate Professor
Department of Information Technology
Sri Manakula Vinayagar Engineering College,
Puducherry

Prof. Dr. G. G. Sozhamannan
Associate Professor
Department of Mechanical Engineering
Sri Manakula Vinayagar Engineering College,
Puducherry

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Puducherry - 605 107

NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

ELECTRONICS AND COMMUNICATION

ENGINEERING

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ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT
(Academic Year 2021-2022)
Internal Audit
SECTION –1 : BASIC INFORMATION

Audit Date	10.3.22						
Name of the Department	Electronics and Communication Engineering						
Year of Establishment	1999						
Programme Offered		Name of the Courses				Approved Intake	
		B. Tech –Electronics and Communication Engineering				240	
		M. Tech- Electronics and Communication Engineering				24	
		M. Tech-VLSI & ES				24	
Head of the Department	Dr.P.Raja						
Number of full time Teachers	Professor		5				
	Associate Professor		7				
	Assistant Professor		42				
Number of Technical Staff	09						
Number of Students	For B.Tech:			For M.Tech:			
	Year	Strength		Year	Courses		Strength
	First Year	214		First	ECE		03
	Second Year	218	217	Year	VLSI&ES		06
	Third Year	212		Second	ECE		02
	Fourth Year	172		Year	VLSI&ES		04
	Total	816	815		Total		15
Faculty Student Ratio	1:15						

SECTION –2: CURRICULAR ASPECTS

2.1   Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1	Department Academic Calendar	Yes	Nil
2	Faculty Subject Preferences	Yes	Nil
3	Elective choices from the Students	Yes	Nil
4	Course allotment to the Faculty	Yes	Nil
5	Time Table (UG and PG)	Yes	Nil
6	Lesson plan for each Course	Yes	Nil

2.2 Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1	Dr.P.Raja	Syllabus Setter	1. Electronic Design Workshop 2. Electric Circuits 3. Virtual And Augmented Reality 4. Automotive Electronics 5. Introduction To MEMS	I/I III/VI
2	Dr.R. Ramya	Syllabus Setter	1. Digital Signal Processing 2. Digital Signal Processing Lab 3. Transmission Lines And Antennas 4. Vehicular Communication 5. Aircraft Communication And Navigation Systems 6. Satellite Communication 7. Machine Learning For Wireless Communication 8. 5G Wireless Communication Systems	III/V III/VI Professional Electives
3	Dr.A.Jayachitra	Syllabus Setter	1. Electron Devices 2. Electron Devices Laboratory 3. Wireless Communication 4. Wireless Communication Lab 5. Cellular And Mobile Communication 6. Semiconductor Opto Electronics 7. Electronic Product Design And Packaging	II/III II/III
4	Dr.R. Kurunjimalar	Syllabus Setter	1. Electromagnetic Field Theory 2. Digital Electronics Circuits 3. Digital Electronics Circuits Laboratory 4. Internet Of Things 5. Internet Of Things Laboratory 6. Cyber Physical System 7. Robotics And Control 8. Introduction To Mems	II/III II/IV IV/VII Professional Electives
5	Dr. S. Premkumar	Syllabus Setter	1. Real Time Systems 2. Hardware Software Co Design 3. Electronics Product Design And Packaging 4. Iot And Its Application 5. Electronics Measurements	II/IV

			And Instrumentation 6. Analog & Digital Communication System 7. Communication Systems LaboratoryCommunication Systems 8. Communication Systems Laboratory	
6	Dr. D. Jagadeeswary	Syllabus Setter	1. High Speed Electronics 2. Millimeter And Optical Wave Communication 3. High Frequency Communication Laboratory 4. Wireless Sensor Networks 5. Automotive Electronics 6. Engineering Computation With Matlab Digital Image Processing	IV/VII Professional Electives
7	Mr.P. Arunagiri	Syllabus Setter	1. Analog Electronics Circuits 2. Analog Electronics Circuits Lab 3. Linear Integrated Circuits 4. Linear Integrated Circuits Laboratory 5. PLC And SCADA Systems And Its Applications	II/IV III/V Professional Elective
8	Dr. S. B. Lenin	Syllabus Setter	1. Robotics And Control 2. Low Power VLSI Design 3. Nano Electronics And Devices 4. Fuzzy Logic And Neural Networks 5. VLSI For Wireless Communication	Professional Elective
9	Mrs.S.Jayanthi	Syllabus Setter	1. Circuits And Networks 2. Signals And Systems 3. Computer Networks 4. Network Theory	II/III II/IV
10	Mrs.V. Logisvary	Syllabus Setter	1. Hardware Description Languages 2. Low Power VLSI Design 3. Cad For VLSI Circuits	Professional Elective
11	Mrs.M.Julie Therese	Syllabus Setter	1. Industry 4.O Technology 2. Scientific Computing	Professional Elective
12	Mr.J.Soundararajan	Syllabus Setter	1. Sensors For Industrial Applications 2. Consumer Electronics	Professional Elective
13	Mr.K.Uthayasuriyan	Syllabus Setter	1. Control Systems	III/VI
14	Mr.K.Vijayakumar	Syllabus Setter	1.Microcontroller 2.Microcontroller Laboratory	III/V
15	Mr.S.Pushparaj	Syllabus	1. Cad For VLSI Circuits	Professional

S. No	Name of the Faculty	Participated as	Course	Year / Sem
		Setter	2. Biomedical Electronics	Elective
16	Mr. C. Sridhar	Syllabus Setter	1. Digital VLSI System Design 2. VLSI Design Laboratory	III/VI
17	Dr.J.Predeep	Syllabus Setter	1. Computer Architecture 2. Information Theory And Coding 3. Speech And Audio Signal Processing 4. Biomedical Signal Processing 5. Adaptive Signal Processing 6. Advanced Digital Image Processing	Professional Elective

M.Tech Electronics and Communication Engineering
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S. No	Name of the Faculty	Participated as	Course	Year / Sem
1	Dr.V.Bharathi	Syllabus Setter	1. Embedded System Design 2. Wireless and Mobile Communication Lab 3. Wireless Sensor Networks 4. Image Processing and Recognition 5. Modeling and Simulation of Wireless Communication Systems 6. Video & Image processing Development System	I/I I/II PROFESSIONAL ELECTIVE
2	Dr.R.Ramya	Syllabus Setter	1. Advanced Digital Communication 2. Millimeter Wave Communication Networks 3. Artificial Intelligence 4. Information and Network Security 5. Markov Chains and Queuing Systems 6. RF and Microwave Circuit Design	I/I I/II PROFESSIONAL ELECTIVE
3	Dr. J.Pradeep	Syllabus Setter	1. Machine Learning in Communication Networks 2. Digital Image and Video Processing 3. Digital Image and Video Processing lab 4. Voice and Data Networks 5. Bio signal and Image processing development system	I/I I/II PROFESSIONAL ELECTIVE

			6. Internet of Things	
4	Dr. R.Kurunjimalar	Syllabus Setter	1. Advanced Digital System Design 2. Advanced Data Structures and Algorithms 3. Optical Communication and Networking 4. Advanced Radiation Systems 5. Design of Analog and Mixed VLSI Circuits 6. Machine Learning Techniques	I/I I/II PROFESSIONAL ELECTIVE
5	Dr. D. Jagadiswary	Syllabus Setter	1. Modelling and Simulation Techniques 2. MIMO Systems 3. Mobile Communication System 4. High Performance Communication Networks 5. Industrial Electronics 6. Advanced Technologies in Wireless Networks 7. RF System Design	PROFESSIONAL ELECTIVE
6	Mr. R. Ilaiyaraja	Syllabus Setter	1. Advanced Satellite Communication 2. Advanced Communication Network 3. Statistical Information Processing 4. Free Space Optical Networks 5. Wireless Sensor Network and IOT 6. Multicarrier Wireless Communication 7. Cloud Computing, Remote Sensing 8. Advanced High Speed Networks	PROFESSIONAL ELECTIVE
7	Mr.Egalite Francis	Syllabus Setter	1. Advanced Engineering Mathematics	I/I
8	Dr.D.Jaichithra	Syllabus Setter	1. Technical Seminar & Report Writing 2. Seminar on ICT-a hands on approach 3. English for Research Paper Writing 4. Value Education, 5. Personality Development Through Life Enlightenment Skills 6. Cognitive Radio Technology	I/I AUDIT COURSES

S. No	Name of the Faculty	Participated as	Course	Year / Sem
			7. Embedded Real Time System	
9	Mr. Dharanidharan. G	Syllabus Setter	1. Research Methodology and IPR 2. Disaster Management 3. Constitution of India 4. Pedagogy Studies	I/I AUDIT COURSES

M.Tech VLSI and Embedded Systems Engineering Regulation (2020)

S. No	Name of the Faculty	Participated as	Course	Year / Sem
1	Dr.V.Bharathi	Syllabus Setter	1. Digital System Design using VHDL 2. VLSI Design Techniques 3. FPGA Based System Design 4. VLSI Design Laboratory 5. VLSI Signal Processing 6. High Speed Digital Design 7. Real Time Operating System 8. Soft Computing 9. Cloud computing and Distributed System	I/I I/II PROFESSIONAL ELECTIVE
2	Dr.R.Ramya	Syllabus Setter	1. Advanced Digital System Design 2. Embedded Networking, Real Time Systems 3. Testing of VLSI Circuits VLSI for Wireless Communication 4. RISC Processor Architecture and Programming	I/I I/II PROFESSIONAL ELECTIVE
3	Dr. J.Pradeep	Syllabus Setter	1. Embedded System Design 2. Low Power Digital VLSI Design 3. Embedded System Design Laboratory 4. Advanced Image Processing 5. Hardware Software Co-Design 6. Micro-Electromechanical Systems	I/I I/II PROFESSIONAL ELECTIVE
4	Dr. R.Kurunjimalar	Syllabus Setter	1. Embedded Technology 2. Advanced Microprocessor and Interfacing 3. Modeling and Synthesis with Verilog HDL 4. Physical Design of VLSI 5. Software for Embedded System 6. Advanced Embedded System 7. Nano Electronics	I/I I/II PROFESSIONAL ELECTIVE
5	Dr. D. Jagadiswary	Syllabus Setter	1. VLSI Architecture 2. CAD for VLSI Circuits 3. Design of Analog and Mixed	PROFESSIONAL ELECTIVE

S.No	Name	Role	Courses	Category
			VLSI Circuits 4. Pervasive Devices and Technology 5. Robotics and Automation 6. System-on-Chip Design	
6	Prof. R. Ilaiyaraja	Syllabus Setter	1. Distributed Embedded Computing 2. Internet of Things 3. DSP Processor Architecture and Programming 4. Industrial Automation using PLC and SCADA 5. Principles of ASIC Design	PROFESSIONAL ELECTIVE
7	Prof.Egalite Francis	Syllabus Setter	1. Applied Mathematics	I/I
8	Dr.D.Jaichithra	Syllabus Setter	1. Technical Report Writing and Seminar 2. Seminar on ICT a hands on approach	I/I AUDIT COURSES
9	Mr. Dharanidharan. G	Syllabus Setter	1. Research Methodology and IPR	I/I AUDIT COURSES

2.3 List of Professional Elective Courses offered by the department

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
1	2021 / V	Hardware Description Languages	U19ECE51	70
2	2021 / V	Industry 4.O Technology	U19ECE53	71
3	2021 / V	Robotics and Control	U19ECE55	71
4	2021 / VII	Cryptography and Network Security	EC E14	172
5	2021 / VII	Spread Spectrum Communication	EC E15	172

2.4 List of Open Elective Courses offered by Other department

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
1	2021 / V	MBA	Product Development and Design	U19HSO51	71
2	2021 / V	MBA	Marketing Management and Research	U19HSO53	71
3	2021 / V	MBA	Project Management for Engineers	U19HSO54	70

2.5   List of Skill Development Courses offered by the department

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
1	III/V	Skill Development Course Presentation Skills using ICT	U19ECS52	212

2.6   List of Certification Courses offered by the department

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
1.	I / II	Python Programming	U20ECC274	214
2.	III / V	CCNA	U19ECC45	71
3.	III / V	Embedded System Design Using Arduino	U19ECC47	70
4.	III / V	Internet of Things	U19ECC49	71

2.7 List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1	I/II	Environmental Science	U20ECM202	206
2	III/V	Essence of Indian Traditional Knowledge	U19ECM51	212

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1   Course Delivery

Semester : II/(2020-2024)

S.No	Name of the Course / Code	Section	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Engineering Mathematics–II (Multiple Integrals and Transforms) /U20BST215	A	Mr. K. Ganesan	60	68	68
		B	Mr. K. Ganesan		68	65
		C	Mr. K. Ganesan		68	66
2	Engineering Mechanics / U20EST219	A	Mrs. D. Sathyasree	60	66	68
		B	Mr. S. Azhgarsamy		66	65
		C	Mr. S. Azhgarsamy		66	64
3	Electrical Engineering / U20EST239	A	Mr. D. Sivaraj	45	49	49
		B	Mr. R. Nakkeeran		48	45
		C	Mr. V. Govindan		48	46
4	Electronic Measurements and Instrumentation / U20EST240	A	Ms. B. Menaga	45	47	47
		B	Mrs. P. Srividdhya		48	45
		C	Dr. A. Jayachitra		46	46

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5	Network Theory / U20ECT201	A	Dr. S. Thamizharasan	60	66	66
		B	Dr. S. B. Lenin		64	64
		C	Dr. N Jothy		65	64
6	Electron Devices / U20ECT202	A	Mrs. M. Julie Therese	45	49	47
		B	Ms. R. Arthy		49	49
		C	Ms. K. Sreedhurga		49	46
7	Electrical Engineering Laboratory / U20ESP240	A	Mr. D. Sivaraj	30	36	36
		B	Mr. R. Nakkeeran		36	36
		C	Mr. D. Sivaraj		36	36
8	Electron Devices Laboratory / U20ECP201	A	Mrs. M. Julie Therese Dr. K. Shakthimurugan	30	36	36
		B	Ms. R. Arthy		36	36
		C	Mr. R. Kalaiyarasan Ms. K. Sreedhurga		36	36
9	Electronics Engineering Practices / U20ECP202	A	Dr. S. Thamizharasan	30	36	36
		B	Dr. S. B. Lenin Mr. K. Uthayasuriyan		36	36
		C	Dr. N Jothy		36	36
10	Certification Course - II** Python Programming / U20ECC274	A	Mrs. M. Julie Therese	50	50	50
		B	Mrs. P. Srividdhya		50	50
		C	Mr. K. Uthayasuriyan		50	50
11	Environmental Science / U20ECM202	A	Dr. A. Rajappa	30	30	30
		B	Dr. A. Rajappa		30	30
		C	Dr. A. Rajappa		30	30

Semester : V/ (2019-2023)

S. No	Name of the Course / Code	Section	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Probability and Random Processes / U19ECT51	A	Mr. M. Egalite Francis	60	68	68
		B	Dr.B.Kanimozhi		67	65
		C	Mr.M.EgaliteFrancis		68	66
2	Linear Integrated Circuits / U19ECT52	A	Dr. J. Pradeep	45	47	47
		B	Mrs.P.Srividdhya K.Srinandhini		48	45
		C	Dr.P.Raja Mr.K.Vijayakumar		46	46
3	Microcontroller / U19ECT53	A	Ms. G. Thamizh Amizhdhu	45	49	49
		B	Ms.R. Srividhya		48	45
		C	Dr. B. Shanmugham		48	46
4	Digital Signal Processing / U19ECT54	A	Dr. R. Ramya	60	64	64
		B	Dr.N. Saranya		63	61
		C	Ms.C.Janani		64	63

S. No	Name of the Course / Code	Section	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
5	Professional Elective - II# Hardware Description Languages / U19ECE51	A B C	Mr. E. Kalaiselvan	45	48	49
	Industry 4.0 Technology / U19ECE53		Dr. R. Subramanian		47	47
	Robotics and Control / U19ECE55		Mr. V. Soubbayav		48	48
6	Open Elective-II$ Product Development and Design / U19HSO51	A B C	Mr. Ahsley Dominic Benny	45	48	48
	Marketing Management and Research / U19HSO53		Mr. R. Anbarasan		48	49
	Project Management for Engineers / U19HSO54		Dr. M. Murugan		49	49
7	Linear Integrated Circuits Laboratory / U19ECP51	A	Dr.J.Pradeep	30	36	36
		B	Mrs.P.Srividdhya K.Srinandhini		36	36
		C	Mr.K.Vijayakumar		36	36
8	Microcontroller Laboratory / U19ECP52	A	Ms. G. Thamizh Amizhdhu	30	36	36
		B	Ms. R. Srividhya		36	36
		C	Dr. B. Shanmugham Ms.A. Krishnalakshmi		36	36
9	Digital Signal Processing Laboratory / U19ECP53	A	Dr. R. Ramya	30	36	36
		B	Dr.N. Saranya Mr. G. Ravi		36	36
		C	Ms.C.Janani		36	36
10	Certification Course -III** Python Programming / U19ECC52	A B C	Mr.S.Pushparaj	50	50	50
	CCNA / U19ECC55		Dr.S.Premkumar		50	50
	Internet of Things / U19ECC59		Mr.S.Pushparaj		50	50
11	Skill Development Course 5: Career and Professional Skill Development Program / U19ECS51	A	Dr. P. Arunagiri	30	30	30
		B	Mr. R. Kalaiyarasan		30	30
		C	Mr. R. Kalaiyarasan		30	30
12	Skill Development Course 6: Presentation Skills using ICT / U19ECS52	A	Dr. B. Shanmugham	30	30	30
		B	Mr.K.Vijayakumar		30	30
		C	Dr. A. Jayachitra		30	30
13	Essence of Indian Traditional Knowledge / U19ECM51	A	Dr.B.Shanmugham	30	30	30
		B	Dr.A.Jayachitra		30	30
		C	Dr.S.Premkumar		30	30

Semester : VII/ (2018-2022)

S. No	Name of the Course / Code	Section	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Microwave and Optical Engineering / EC T71	A	Mr. R. Ilayaraja	60	64	64
		B	Ms. K.Archana		65	63
		C	Mrs.S. Jayanthi		64	64
2	Embedded Systems/ EC T72	A	Mr.M.Rajaparthiban	60	63	63
		B	Mrs. V. Logisvary		65	64

S. No	Name of the Course / Code		Name of the Faculty			
		C	Mr K. Moorthi		64	63
3	Elective-III (Cryptography and Network Security)/ EC E14	A	Mr. G. Ravi		63	63
		B	Dr.S.Thamizharasan	60	64	63
		C	Dr.S. B. Lenin		65	64
4	Elective-IV (Spread Spectrum Communication) / EC E15	A	Dr. R. Kurunjimalar		63	63
		B	Mr. K.Shakthimurugan	60	64	63
		C	Dr. S.Ashokkumar		65	64
5	Communication Laboratory-III/ EC P71	A	Mr.J.Soundararajan		36	36
		B	Ms.N.Sasikala	30	36	36
		C	Mrs.S. Jayanthi		36	36
6	Embedded Systems Laboratory/ EC P72	A	Mr.M.Rajaparthiban		36	36
		B	Mrs. V. Logisvary Mr. V.Soubbaya	30	36	36
		C	Mr K. Moorthi		36	36
7	Seminar/ EC P73	A	Dr.S. Premkumar		33	33
		B	Dr.S. Premkumar	30	33	33
		C	Dr.S. Premkumar		33	33
8	Industrial Visit/Training/ EC P74	A	Mr.J.Soundararajan		-	-
		B	Mrs. V. Logisvary	-	-	-
		C	Mrs.S. Jayanthi		-	-
9	Project Work-I/ ECPW7	A	Dr. R. Kurunjimalar		36	36
		B	Dr. P. Arunagiri	30	36	36
		C	Dr.J.Pradeep		36	36

Semester : II (M.TECH – ECE) /(2020-2022)

S. No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Advanced Digital System Design / P20VET204	Dr.V. Bharathi	45	48	48
2	Digital Image and Video Processing / P20ECT205	Ms.A. Krishnalakshmi	45	48	48
3	Modelling and Simulation Techniques / P20ECT206	Dr.S. Premkumar	45	47	47
4	Millimeter Wave Communication Networks / P20ECT207	Ms.N.Sasikala	45	46	46
5	Professional Elective-II Mobile Communication System / P20ECE210	Mr.B.Ganesamoorthy	45	49	47
6	Professional Elective III High Performance Communication Networks / P20ECE214	Mr.J.Soundararajan	45	47	48
7	Digital Image and Video Processing lab / P20ECP202	Mr.M.Rajaparthiban	60	60	60
8	Seminar on ICT-a hands on approach / P20CCP202	Mr.S.Pushparaj	45	48	48
9	Audit Course-II Constitution of	Dr.R.Ramya	45	45	45

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10	India / P20ACT205 Employability Enhancement Course-II CCNA(Routing and Switching) / P20VEC204	Mr.S.Pushparaj	50	50	50

Semester : II (M.TECH – VLSI & ES) /(2020-2022)

S. No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Advanced Digital System Design / P20VET204	Dr.V. Bharathi	45	48	48
2	Embedded Networking / P20VET205	Mr.S.Pushparaj	45	48	48
3	Embedded System Design / P20VET206	Mr.S.Ganesan	45	49	49
4	Low Power Digital VLSI Design / P20VET207	Mr.K.Vinoth	45	48	49
5	Professional Elective-II CAD for VLSI Circuits / P20VEE207	Mr.K.Vijayakumar	45	49	48
6	Professional Elective-III Industrial Automation using PLC and SCADA / P20VEE212	Dr. P. Arunagiri	45	48	47
7	Embedded System Design Laboratory / P20VEP202	K.Srinandhini	60	60	60
8	Seminar on ICT a hands on approach / P20CCP202	Mr.S.Pushparaj	45	48	48
9	Audit Course-II Constitution of India / P20ACT205	Dr.V. Bharathi	45	45	45
10	Employability Enhancement Course-II CCNA(Routing and Switching) / P20VEC204	Mr.S.Pushparaj	50	50	50

Semester : IV (M.TECH – VLSI & ES)/ (2019-2021)

S. No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Project Phase – II / P20VEW403	Dr.V.Bharathi	60	60	60

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Semester : IV (M.TECH –ECE)/ (2019-2021)

S. No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Project Phase – II / P20ECW403	Dr.R.Ramya	60	60	60

3.2 Use of ICT Tools in Teaching Learning

Semester: II /(2020-2024)

S.No	Section	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	A	Mr. K. Ganesan	Engineering Mathematics–II (Multiple Integrals and Transforms) /U20BST215	Digital Board
	B	Mr. K. Ganesan		
	C	Mr. K. Ganesan		
2	A	Mrs. D. Sathyasree	Engineering Mechanics / U20EST219	Power Point Presentation
	B	Mr. S. Azhgarsamy		
	C	Mr. S. Azhgarsamy		
3	A	Mr. D. Sivaraj	Electrical Engineering / U20EST239	Power Point Presentation
	B	Mr. R. Nakkeeran		
	C	Mr. V. Govindan		
4	A	Ms. B. Menaga	Electronic Measurements and Instrumentation / U20EST240	Power Point Presentation
	B	Mrs. P. Srividdhya		
	C	Dr. A. Jayachitra		
5	A	Dr. S. Thamizharasan	Network Theory / U20ECT201	Digital Board
	B	Dr. S. B. Lenin		
	C	Dr. N Jothy		
6	A	Mrs. M. Julie Therese	Electron Devices / U20ECT202	Power Point Presentation
	B	Ms. R. Arthy		
	C	Ms. K. Sreedhurga		
7	A	Mr. D. Sivaraj	Electrical Engineering Laboratory / U20ESP240	Video Lecture
	B	Mr. R. Nakkeeran		
	C	Mr. D. Sivaraj		
8	A	Mrs. M. Julie Therese Dr. K. Shakthimurugan	Electron Devices Laboratory / U20ECP201	Video Lecture
	B	Ms. R. Arthy		
	C	Mr. R. Kalaiyarasan Ms. K. Sreedhurga		
9	A	Dr. S. Thamizharasan	Electronics Engineering Practices / U20ECP202	Video Lecture
	B	Dr. S. B. Lenin Mr. K. Uthayasuriyan		
	C	Dr. N Jothy		
10	A	Mrs. M. Julie Therese	Certification Course - II** Python Programming / U20ECC274	Power Point Presentation
	B	Mrs. P. Srividdhya		
	C	Mr. K. Uthayasuriyan		
11	A	Dr. A. Rajappa	Environmental Science / U20ECM202	Power Point Presentation
	B	Dr. A. Rajappa		
	C	Dr. A. Rajappa		

Semester: V/(2019-2023)

S.No	Section	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	A	Mr. M. Egalite Francis	Probability and Random Processes / U19ECT51	Digital Board
	B	Dr.B.Kanimozhi		
	C	Mr.M.EgaliteFrancis		
2	A	Dr. J. Pradeep	Linear Integrated Circuits / U19ECT52	Power Point Presentation
	B	Mrs.P.Srividdhya K.Srinandhini		
	C	Dr.P.Raja Mr.K.Vijayakumar		
3	A	Ms. G. Thamizh Amizhdhu	Microcontroller / U19ECT53	Power Point Presentation
	B	Ms.R. Srividhya		
	C	Dr. B. Shanmugham		
4	A	Dr. R. Ramya	Digital Signal Processing / U19ECT54	Digital Board
	B	Dr.N. Saranya		
	C	Ms.C.Janani		
5	A B C	Mr. E. Kalaiselvan	Professional Elective - II# Hardware Description Languages / U19ECE51	Power Point Presentation
		Dr. R. Subramanian	Industry 4.0 Technology / U19ECE53	
		Mr. V. Soubbayav	Robotics and Control / U19ECE55	
6	A B C	Mr. Ahsley Dominic Benny	Open Elective-II$ Product Development and Design / U19HSO51	Power Point Presentation
		Mr. R. Anbarasan	Marketing Management and Research / U19HSO53	
		Dr. M. Murugan	Project Management for Engineers / U19HSO54	
7	A	Dr.J.Pradeep	Linear Integrated Circuits Laboratory / U19ECP51	Video Lecture
	B	Mrs.P.Srividdhya K.Srinandhini		
	C	Mr.K.Vijayakumar		
8	A	Ms. G. Thamizh Amizhdhu	Microcontroller Laboratory / U19ECP52	Virtual Lab
	B	Ms. R. Srividhya		
	C	Dr. B. Shanmugham Ms. A. Krishnalakshmi		
9	A	Dr. R. Ramya	Digital Signal Processing Laboratory / U19ECP53	Virtual Lab
	B	Dr.N. Saranya Mr. G. Ravi		
	C	Ms.C.Janani		
10	A	Mr.S.Pushparaj	Certification Course -III** Python Programming / U19ECC52	Power Point Presentation
	B	Dr.S.Premkumar	CCNA / U19ECC55	
	C	Mr.S.Pushparaj	Internet of Things / U19ECC59	
11	A	Dr. P. Arunagiri	Skill Development Course 5: Career and Professional Skill Development Program / U19ECS51	Power Point Presentation
	B	Mr. R. Kalaiyarasan		
	C	Mr. R. Kalaiyarasan		
12	A	Dr. B. Shanmugham	Skill Development Course 6: Presentation Skills using ICT / U19ECS52	Power Point Presentation
	B	Mr.K.Vijayakumar		
	C	Dr. A. Jayachitra		
13	A	Dr.B.Shanmugham	Essence of Indian Traditional	Power Point

	B	Dr.A.Jayachitra	Knowledge / U19ECM51	Presentation
	C	Dr.S.Premkumar		

Semester: VII/(2018-2022)

S.No	Section	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	A	Mr. R. Ilayaraja	Microwave and Optical Engineering / EC T71	Power Point Presentation
	B	Ms. K.Archana		
	C	Mrs.S. Jayanthi		
2	A	Mr.M.Rajaparthiban	Embedded Systems/ EC T72	Power Point Presentation
	B	Mrs. V. Logisvary		
	C	Mr K. Moorthi		
3	A	Mr. G. Ravi	Elective-III (Cryptography and Network Security)/ EC E14	Power Point Presentation
	B	Dr.S.Thamizharasan		
	C	Dr.S. B. Lenin		
4	A	Dr. R. Kurunjimalar	Elective-IV (Spread Spectrum Communication) / EC E15	Power Point Presentation
	B	Mr. K.Shakthimurugan		
	C	Dr. S.Ashokkumar		
5	A	Mr.J.Soundararajan	Communication Laboratory-III/ EC P71	Video Lecture
	B	Ms.N.Sasikala		
	C	Mrs.S. Jayanthi		
6	A	Mr.M.Rajaparthiban	Embedded Systems Laboratory/ EC P72	Video Lecture
	B	Mrs. V. Logisvary Mr. V.Soubbaya		
	C	Mr K. Moorthi		
7	A	Dr.S. Premkumar	Seminar/ EC P73	Power Point Presentation
	B	Dr.S. Premkumar		
	C	Dr.S. Premkumar		

Semester : II (M.TECH – ECE) /(2020-2022)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr.V. Bharathi	Advanced Digital System Design / P20VET204	Digital Board
2	Ms.A. Krishnalakshmi	Digital Image and Video Processing / P20ECT205	Power Point Presentation
3	Dr.S. Premkumar	Modelling and Simulation Techniques / P20ECT206	Power Point Presentation
4	Ms.N.Sasikala	Millimeter Wave Communication Networks / P20ECT207	Power Point Presentation
5	Mr.B.Ganesamoorthy	Professional Elective-II Mobile Communication System / P20ECE210	Power Point Presentation
6	Mr.J.Soundararajan	Professional Elective III High Performance Communication Networks / P20ECE214	Power Point Presentation
7	Mr.M.Rajaparthiban	Digital Image and Video Processing lab / P20ECP202	Video Lecture
8	Mr.S.Pushparaj	Seminar on ICT-a hands on approach / P20CCP202	Power Point Presentation
9	Dr.R.Ramya	Audit Course-II Constitution of India / P20ACT205	Power Point Presentation

10	Mr.S.Pushparaj	Employability Enhancement Course-II CCNA(Routing and Switching) / P20VEC204	Power Point Presentation

Semester : II (M.TECH – ECE) /(2020-2022)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr.V. Bharathi	Advanced Digital System Design / P20VET204	Digital Board
2	Mr.S.Pushparaj	Embedded Networking / P20VET205	Power Point Presentation
3	Mr.S.Ganesan	Embedded System Design / P20VET206	Power Point Presentation
4	Mr.K.Vinoth	Low Power Digital VLSI Design / P20VET207	Power Point Presentation
5	Mr.K.Vijayakumar	Professional Elective-II CAD for VLSI Circuits / P20VEE207	Power Point Presentation
6	Dr. P. Arunagiri	Professional Elective-III Industrial Automation using PLC and SCADA / P20VEE212	Power Point Presentation
7	K.Srinandhini	Embedded System Design Laboratory / P20VEP202	Video Lecture
8	Mr.S.Pushparaj	Seminar on ICT a hands on approach / P20CCP202	Power Point Presentation
9	Dr.V. Bharathi	Audit Course-II Constitution of India / P20ACT205	Power Point Presentation
10	Mr.S.Pushparaj	Employability Enhancement Course-II CCNA(Routing and Switching) / P20VEC204	Power Point Presentation

3.2   List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audiance
1.	UGC, UPSC and TNPSC Exams	Mr.Shiv Sankar Pillai	10/07/2021	211
2.	5G Mobile phone manufacturing	Er.A.Muruganandam	20/07/2021	211
3.	Application of stochastic process	Mr.B.Jayaganesh	10/10/2021	172
4.	Microprocessors & Microcontrollers and its applications	Er.S.Selvakumar	27/08/2021	218
5.	Uses of pointers in programming in c	Mrs.Padmavathi C	06/09/2021	211
6.	Importance of Electric Circuits in GATE Exam	Mr.R.Sivarajan	07/09/2021	211
7.	Cloud Computing and its Adoption strategy	Mr.JayamaranAyilu	01/10/2021	213
8.	Introduction to FPGA and Deep Learning	Mr. Shanmugapriyan Manoharan	05/10/2021	212
9.	Electronics Automation And Entrepreneur life journey	Mr. S. Pandian	30/10/2021	212
10.	Microwave components and Antenna Design Using ADS & ANSYS HFSS	Dr. N.Saranya, Ms.C.Janani	27/09/2021 to 29/09/2021	37

3.3 Activities for Slow and Advanced Learners

Semester : II/(2020-2024)

S.No	Name of the Course / Code	Section	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Engineering Mathematics–II (Multiple Integrals and Transforms) / U20BST215	A	Mr. K. Ganesan	Yes	2	Yes
		B	Mr. K. Ganesan		3	Yes
		C	Mr. K. Ganesan		2	Yes
2	Engineering Mechanics / U20EST219	A	Mrs. D. Sathyasree	Yes	3	Yes
		B	Mr. S. Azhgarsamy		2	Yes
		C	Mr. S. Azhgarsamy		2	Yes
3	Electrical Engineering / U20EST239	A	Mr. D. Sivaraj	Yes	3	Yes
		B	Mr. R. Nakkeeran		2	Yes
		C	Mr. V. Govindan		2	Yes
4	Electronic Measurements and Instrumentation / U20EST240	A	Ms. B. Menaga	Yes	3	Yes
		B	Mrs. P. Srividdhya		3	Yes
		C	Dr. A. Jayachitra		2	Yes
5	Network Theory / U20ECT201	A	Dr. S. Thamizharasan	Yes	2	Yes
		B	Dr. S. B. Lenin		3	Yes
		C	Dr. N Jothy		2	Yes
6	Electron Devices / U20ECT202	A	Mrs. M. Julie Therese	Yes	2	Yes
		B	Ms. R. Arthy		3	Yes
		C	Ms. K. Sreedhurga		3	Yes

Semester: V / (2019-2023)

S.No	Name of the Course / Code	Section	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Probability and Random Processes / U19ECT51	A	Mr. M. Egalite Francis	Yes	2	Yes
		B	Dr.B.Kanimozhi		3	Yes
		C	Mr.M.EgaliteFrancis		2	Yes
2	Linear Integrated Circuits / U19ECT52	A	Dr. J. Pradeep	Yes	2	Yes
		B	Mrs.P.Srividdhya K.Srinandhini		2	Yes
		C	Dr.P.Raja Mr.K.Vijayakumar		3	Yes
3	Microcontroller / U19ECT53	A	Ms. G. Thamizh Amizhdhu	Yes	2	Yes
		B	Ms.R. Srividhya		3	Yes
		C	Dr. B. Shanmugham		2	Yes
4	Digital Signal Processing / U19ECT54	A	Dr. R. Ramya	Yes	2	Yes
		B	Dr.N. Saranya		3	Yes
		C	Ms.C.Janani		2	Yes
5	Professional Elective - II# Hardware Description Languages /	A B	Mr. E. Kalaiselvan	Yes	2	Yes

	U19ECE51	C					Yes
	Industry 4.0 Technology / U19ECE53		Dr. R. Subramanian			2	Yes
	Robotics and Control / U19ECE55		Mr. V. Soubbayav			3	Yes
6	Open Elective-II$ Product Development and Design / U19HSO51	A B C	Mr. Ahsley Dominic Benny	Yes		2	Yes
	Marketing Management and Research / U19HSO53		Mr. R. Anbarasan			3	Yes
	Project Management for Engineers / U19HSO54		Dr. M. Murugan			2	Yes

Semester : VII /(2018-2022)

S.No	Name of the Course / Code	Section	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Microwave and Optical Engineering / EC T71	A	Mr. R. Ilayaraja	Yes	2	Yes
		B	Ms. K.Archana		3	Yes
		C	Mrs.S. Jayanthi		2	Yes
2	Embedded Systems/ EC T72	A	Mr.M.Rajaparthiban	Yes	3	Yes
		B	Mrs. V. Logisvary		2	Yes
		C	Mr K. Moorthi		2	Yes
3	Elective-III (Cryptography and Network Security)/ EC E14	A	Mr. G. Ravi	Yes	3	Yes
		B	Dr.S.Thamizharasan		2	Yes
		C	Dr.S. B. Lenin		2	Yes
4	Elective-IV (Spread Spectrum Communication) / EC E15	A	Dr. R. Kurunjimalar	Yes	3	Yes
		B	Mr. K.Shakthimurugan		3	Yes
		C	Dr. S.Ashokkumar		2	Yes

3.4 Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	Mentor is assigned in the ratio of 1:15, which facilitates one to one follow-up.
2	Class wise student Profile Record Maintained	Yes	
3	Mentor – Mentee Session Record Maintained	Yes	

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
816	54	1:15

3.5 Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	Continuous follow up of marks secured and project work creates a positive impact on student's progress.
2	Seminar / Project Review Record	Yes	
3	End Semester Examination Record	Yes	
4	Student Grade Report	Yes	

3.6 Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	Nicely framed
2	Correlation of COs with POs and PSOs for each Course	Yes	Well structured
3	Course Outcome Attainment Calculated	Yes	**Mention the target:** 70% of the students should secure "C" Grade in the respective courses
4	PSO and PO attainment through CO	Yes	

3.7 Student Performance in End Semester Examination Semester – Final

II Semester – (2020-2024)

Sl. No	Particular	B.Tech
1	Number of Students appeared	206
2	Number of All Clear Students	160
3	Number of Students passed with Distinction	-
4	Number of Students passed with First Class	-
5	Number of Students passed with Second Class	-
6	Number of Students Failed	46
7	Passing Percentage	77.6 %

II Semester – (2020-2024)

Sl. No	Particular	B.Tech
1	Number of Students appeared	206
2	Number of All Clear Students	160
3	Number of Students passed with Distinction	-
4	Number of Students passed with First Class	-
5	Number of Students passed with Second Class	-
6	Number of Students Failed	46
7	Passing Percentage	77.6 %

V Semester – (2019-2023)

Sl. No	Particular	B.Tech
1	Number of Students appeared	212
2	Number of All Clear Students	173
3	Number of Students passed with Distinction	-
4	Number of Students passed with First Class	-
5	Number of Students passed with Second Class	-
6	Number of Students Failed	39
7	Passing Percentage	81.60 %

VIII Semester – 2018-2022

Sl. No	Particular	B.Tech
1	Number of Students appeared	172
2	Number of All Clear Students	170
3	Number of Students passed with Distinction	53

4	Number of Students passed with First Class	117
5	Number of Students passed with Second Class	-
6	Number of Students Failed	2
7	Passing Percentage	98.83 %

Semester : II (M.TECH – ECE) /(2020-2022)

Sr. No	Particular	M.Tech ECE	M.Tech VLSI
1	Number of Students appeared	02	04
2	Number of All Clear Students	02	04
3	Number of Students passed with Distinction	-	-
4	Number of Students passed with First Class	-	-
5	Number of Students passed with Second Class	-	-
6	Number of Students Failed	-	00
7	Passing Percentage	100 %	100 %

Semester : IV (M.TECH – ECE) /(2018-2021)

Sr. No	Particular	M.Tech ECE	M.Tech VLSI
1	Number of Students appeared	00	08
2	Number of All Clear Students	00	08
3	Number of Students passed with Distinction	-	-
4	Number of Students passed with First Class	-	-
5	Number of Students passed with Second Class	-	-
6	Number of Students Failed	-	-
7	Passing Percentage	0 %	100 %

SECTION – IV : STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	700	Based on students feedback the following steps can be adopted for students to upgrade their skill to Industry standards 1. Separate training classes during college hours can be arranged for JEEE exams. 2. Certification courses in emerging techniques to support industry need are to be

| 3 | Dr. S. B. Lenin | Energy Saving Audit And Automation | Sakthi Ganapathy Polymer | 50,000 | 6 Months |

5.2 Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consultancy
1	Mr.M.Rajaparthiban	Non-Government	Support studio technologies	35,000	3 Months
2	Ms.C. Janani	Non-Government	TTK health care ltd.	30,000	3 Months
3	Mr.K.Vijayakumar	Non-Government	Sri Sai Industry	42,000	3 Months

5.3 Faculty Publications

Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Impact Factors
1	2021-2022	7	5	12	-	2.91
2	2020-2021	39	37	24	-	0.689
3	2019-2020	9	3	10	-	1.84
4	2018-2019	40	10	20	-	2.79

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	-
Number of Publication in International Journals	3
Number of Publication in National Conferences	-
Number of Publication in International Conferences	05
Number of Books / Book Chapters	4
Number of Patent (Filed)	4
Number of Patents Granted	10

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
-	-	-	-	-

International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	Automated Detection and Classification of Breast Cancer Nuclei with Deep Convolutional Neural Network	Shanmugham Balasundaram, Revathi Balasundaram, Ganesan Rasuthevar, Christeena Joseph,	Journal of ICT Research and Applications	doi: 10.5614/itbj.ict.res.appl.2021.15.2.3, Vol. 15, No. 2, 2021, pp.139-151	Scopus

				increased
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	210	Based on Parent feedback the following steps has to be implemented Special training in core fundamentals has to done to increase core placements
3	Student Exit Survey conducted and Analysed	Yes	172	Based on students exit survey the following steps can be followed in future to improve students skill

To establish Industry support labs for increasing the quality of projects done by the students. Students exchange programmes can be initiated for final year projects and Internship training with Reputed Universities |
| 4 | Alumni Feedback conducted and Analysed | Yes | 640 | Based on Alumni feedback the following measures can be followed to enhance students skill

To introduce skill development courses that support multi lingual learning in the campus enabling them to place in Multi-National companies |

SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS

5.1   Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
1	Dr. P. Arunagiri	To Automate the Plastic Dispensing Nozzle Lane Chamber	Sakthi Ganapathy Polymer	50,000	6 Months
2	Mr. J. Soundararajan	Industry Automation	Tetra Automation	3,00,000	1Year

		Annie Grace Vimala, Nanmaran Rajendiran, Baskaran Kaliyamurthy				
2	QOS aware and secured routing algorithm using machine intelligence in next generation VANET	Jothy Nadarajan, Jayanthi Kaliyaperumal	International Journal of System Assurance Engineering and Management	doi: 10.1007/s13198-021-01076-0, Elseiver	Scopus
3	Investigation of Quantum Mechanical Effects in Black gated Molybdenum Disulfide Transistor	R.Sridevi, J.Charles pravin, A.Ramesh babu, S.Ashok Kumar	Silicon	https://doi.org/10.1007/s12633-022-01892-4, Springer	Scopus

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
-	-	-	-	-	-	-

International Conference

S. No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publis her
1	J.Pradeep, M.Harikrishnan, K.Vijayakumar	J.Pradeep, M.Harikrishnan, K.Vijayakumar	Proceedings of International Conference on Data Science and Applications		978-981-16-5120-5	
2	K.Ayappasamy, G.Nagarajan, P.Arunagiri	K.Ayappasamy, G.Nagarajan, P.Arunagiri		International Conference on Computing in Engineering and Technology		
3	V.Deepak, P.Srividdhya, M,Muthumari, R.Shameli, S.Narmadha Devi	V.Deepak, P.Srividdhya, M,Muthumari, R.Shameli, S.Narmadha Devi	Proceedings of International Conference on Data Science and Applications			
4	C.Janani, H.Kala, S.Anu	C.Janani, H.Kala, S.Anu Roopa		International Conference on Machine Intelligence		

	Roopa Devi	Devi		and Green Computing		
5	Senthilnaya ki B, Narashiman D, Mahalaksh mi G, Julie Therese M, Devi A, Dharanyade vi P	Senthilnayaki B, Narashiman D, Mahalakshmi G, Julie Therese M, Devi A, Dharanyadev i P		IEEE International Conference on Mobile Networks and Wireless Communications	DOI: 10.1109/I CMNWC 52512.202 1.9688453	

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	Microelectronics and Digital System Design	Dr.P.Raja		Aagash 4Nekaa Publications
2	Recent Developments in Computing, Electronics and Mechanical	Mrs.M.Julie Therese	978-81-941281-9-9	Anvi Books &
3	Cloud and IOT based Vehicular Ad-hoc Networks	Mrs.M.Julie Therese	9781119761839	Scrivener,Wiley
4	Cloud and IOT based Vehicular Ad-hoc Networks	Mrs.M.Julie Therese	9781119761839	Scrivener,Wiley

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1	Sri Manakula Vinayagar Engineering College	Dr.R.Ramya Dr.P.Arunagiri Dr.R.Kurunjimalar E.Monika	Ferrous And Nonferrous Waste Sorting Machine	356038-001, 09/2022 & 04/03/2022	India	Published
2	Sri Manakula Vinayagar Engineering College	Dr.R Kurunjimalar Dr.P.Raja Dr.B.Shanmugham Dr.J.Pradeep	Smart Safety Helmet for Coal Miners	356037-002, 09/2022 & 04/03/2022	India	Published
3	Sri Manakula Vinayagar Engineering College	Dr.R.Kurunjimalar Dr.P.Raja Dr.B.Shanmugham Dr.J.Pradeep	Zig Bee Based Smart Safety Helmet for Coal Mine Workers	356037-001, 09/2022 & 04/03/2022	India	Published
4	Sri Manakula Vinayagar Engineering College	V.Logisvary Dr.P.Raja Dr.V.Bharathi K.Vijayakumar	Automobile Fuel Adulteration Detector	356036-002, 10/2022 & 11/03/2022	India	Published
5	Sri Manakula Vinayagar Engineering College	V.Logisvary Dr.P.Raja Dr.V.Bharathi K.Vijayakumar	Fuel Adulteration Detecting Device for Vehicles	356036-001, 14/2022&08/04 /2022	India	Published
6	Sri Manakula	V.Logisvary	Driver	356035-002,	India	Published

	Vinayagar Engineering College	Dr. P. Raja Dr. V. Bharathi J. Soundararajan	Drowsiness Detecting and Warning System	10/2022 & 11/03/2022		
7	Sri Manakula Vinayagar Engineering College	V.Logisvary Dr.P.Raja Dr.V.Bharathi J.Soundararajan	Driver Drowsiness Detecting and Alerting Device	356035-001, 09/2022 & 04/03/2022	India	Published
8	Sri Manakula Vinayagar Engineering College	Dr.R.Ramya Dr.P.Arunagiri Dr.R.Kurunjimalar E. Monika	Garbage Segregating Device Using Image Processing	356033-001, 10/2022 & 11/03/2022	India	Published
9	Sri Manakula Vinayagar Engineering College	S.Jayanthi Dr.P.Raja Dr.S.B.Lenin M.Jeevalakshmi	Iot Based Automated Rail Track Inspection Trolley	355942-002, 10/2022 & 11/03/2022	India	Published
10	Sri Manakula Vinayagar Engineering College	S.Jayanthi Dr.P.Raja Dr.S.B.Lenin M.Jeevalakshmi	Automated Rail Track Inspection Trolley	355942-001, 09/2022 & 04/03/2022	India	Published
11	Dr.Lenin.S.B	1)Dr.Rajesh.A 2)Mr.Chandru.S 3)Dr.Shankar.T 4)Dr.Nakkeeran.R 5)Dr.C.V.Ravikumar 6)Dr.Lenin.S.B 7)Dr.N.Tamilarasan 8)Dr.D.Sivanandakumar 9)Mr.S.Karthikeyan 10)Dr.M.Braveen 11)Mr.S.Balaji	Novel Supercontinuum Generation Using PCF with Non - Uniform Honeycomb Cladding For 35kw Pump Pulse	Application No.202041052 231 A Publication Date: 11/12/2020	India	Filed
12	Dr.D.Jagadiswary Mrs.M.Julie Therese	1)Dr.D.Jagadiswary 2)Mrs.M.Julie Therese 3)Dr.P.Raja 4)Dr.A.Vijayalakshmi 5)Dr.R.Ramya 6)Mr.J.Soundararajan 7)Ms.N.Sasikala 8)Ms.C.Janani 9)Ms.G.Thamizhamizhdhu	Data Authentication and Security in ATM System	Application No.202041050 321 A Publication Date: 04/12/2020	India	Filed
13	Dr.R.Kurinjimalar	1) Dr.R.Kurinjimalar 2)Dr.P.Raja	Heartsease - The Stress Relieving	Application No.202041048 956 A	India	Filed

		3)Mr.P.Arunagiri 4)Mr.K.Uthayasuri yan 5)Ms.C.Janani 6)Ms.G.Thamizh Amizhdhu 7)Dr.J.Pradeep 8)Dr.A.Jayachitra 9)Aroop Siddharth A.S 10) Dhileepkumar. R	Application	Publication Date: 20/11/2020		
14	Dr.P.Raja	1)Dr.P.Raja 2)Dr. S.Jayakumar 3)Dr. K.Velmurugan 4)Dr.V.Bharathi 5)Dr.S.B.Lenin 6)Mrs.V.Logisvary 7)Mrs.M.Juli Therese 8)Mr.C.Sridhar 9)Mr.K.Vijayakuar 10)Mr.S.Pushparaj	Cost Effective Smart Sewage Treatment to Agriculture Fields	Application No.202041045 102 A Publication Date: 30/10/2020	India	Filed

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
-	-	-	-	-	-

6.2 Sponsored / Industry Projects

Sl.NO	Project Title	Name of the student	Name of the sponsored Industry/ Research Institute/Partnering Institution	Duration of the Project (Months)
-	-	-	-	-

6.3 Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
-	-	-	-	-

6.4   Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1.	Microchip Technology Incorporated	24.04.2021	Placements and Laboratory	3 Years

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	151
Number of Students opted Higher Studies	15
Number of Entrepreneur	02

7.1   Placements

Nil

7.2   Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1	S.Harishkumaar	ESC CLERMONT Business School	MBA
2	K.Arvind	Pondicherry University, Puducherry	MSc International Business-MACI
3	J.Santhosh Krishna	IFHE,Hyderabad	MBA
4	K.A. Sakthi Priya	Sri Manakula Vinayagar Engineering College	MBA
5	K.Naveen	Hindustan University,Chennai	MBA-General
6	V.Sunanthaa	Sri Manakula Vinayagar Engineering College	MBA-General
7	S.Kavya	Vellore Institute of Technology,Vellore	M.Tech-Biomedical Engineering
8	S.Sachin	Rajiv Gandhi College of Engineering and Technology	MBA
9	M.Jeevalakshmi	Pondicherry Technological University	M.Tech-Internet of Things
10	N.Nandini	Pondicherry University, Puducherry	M.Tech-Electronics and Communication Engineering
11	R.V.Suvedha	Annamalai University-Chidambaram	M.B.A – Human Resource Management

12	S.Nigithadharshini	Sri Manakula Vinayagar Engineering College,Puducherry	M.Tech-VLSI &ED
13	J A.Sheerin	Pondicherry University,Puducherry	M.Tech-Network &Information Security
14	SS.Abenayaa	Pondicherry University, Puducherry	MBA-Human Resource Management
15	I.Priya	Pondicherry Technological University,Puducherry	M.Tech- Information Security

7.3   Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
1	K.Krishnakumar	Support Studio Technologies	IT	192,Second floor,kamaraj salai,New Saram,Puducherry
2	V.Swaminaathan	Richi Info	IT	45,Kamaraj Salai,Puducherry

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1   Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
-	-	-	-	-	-

8.2   FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants
1	AICTE Training And Learning (ATAL) Academy Faculty Development Program (ATAL-FDP) Overview on Cyber Crimes and Cyber Security	Department of ECE	22.11.2021 to 26.11.2021	National	107

SECTION – IX: ACHIEVEMENTS

9.1 Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1	M.Sowmiya	IGNOSI – a Presentation competition	Sri ManakulaVinayagar Engineering College, Puducherry	First Prize
2	S.Maheshwaran	IGNOSI – a Presentation competition	Sri ManakulaVinayagar Engineering College, Puducherry	Second Prize
3	Sarathchandiran.S	Encipher Coding Competition	Sri Manakula Vinayagar Engineering College, Puducherry	Second Prize
4	D.Suhasani	Logo Design Contest	Sri Manakula Vinayagar Engineering College, Puducherry	First Prize
5	Keerthivasan.A	Poster Design Competition- World Water Day Celebration	Sri Manakula Vinayagar Engineering College, Puducherry	Second Prize
6	S.Maheshwaran	TECH SPEAK 4.0	KL University, University in Guntur, India	Third Prize
7	Suhasini ,Maheshwaran S , Monisha Irisappan,Abirami.S,Harini.R	TECH SPEAK 4.0	KL University	Third Prize
8	Srivatsan.G, AzeessBasha.G,Mohamed Faisal.B	Ideathon2021	Sri Sai Ram Institute of Technology , Chennai	Second Prize
9	Devavasanth. R,Prasanth KN,Thiruvikraman V,DhanushJawaharMagee .M	Technical Paper Presentation	IEEE/VeermataJijabai Technological Institute	Second Prize won by Rs.3,000
10	MuraliSriram B	Braingle:The Virtual Quiz	Vasundhara, The Annual Geo Fest	First Prize
11	Balabharathi.V, Gokul.A, Sanjay.C	ROBOZEST	Anna University	Certificate of Merit Second Place
12	Pavithra. M, Rajarajeswai. R, Preethi .P,Praveena. N	NIT Project Expo	National Institute of Technology, Karaikal	Second Prize
13	Surendhar.M, Aravindan K, Ajay Kumar.S.A	SCOCCER,RACE, SUMO	Hindustan Institute of Technology,Chennai	First Prize &Second Price Cash prize 44,000/-
14	SanjaiPrasad.S, Naveen.R, Daniel Anne Ruflex.D, John Milton.A	Path Finder	SRM Institute of science and technology Vadapalani campus, chennai	Second Prize
15	VijayaRaghavan.R,	Robotics event	Hindustan Institute of	Winner

	Sushmitha.T,		Technology,Chennai	
16	Surendhar.M, Sushmitha.T,Aravindan K.	Path Finder	SRM Institute of science and technology Vadapalani campus, chennai	First prize
17	Ajay Kumar.S.A, Rahul.S.A	Robo Soccer	SRM Institute of science and technology Vadapalani campus, chennai	Second prize
18	Kishore Kumar R, Mukesh.N, Yuvaraj.V	Robotics event – Queuebot	Hindustan Institute of Technology,Chennai	Second Prize
19	Yogi Ram Kumar.M.S	ROBOZEST,	College of Engineering, Guindy, Anna University	Second Prize
20	Sanjay.C	Robotics event- TATAKAI	Hindustan Institute of Technology, Chennai	Runner
21	Praveen .S	Senior Men Individual .Under 30years Color belt category	PONDICHERRY STATE TAEKWONDO POOMSAE CHAMPIONSHIP - 2021	Gold Medal
22	Praveen .S	Junier Boys 58 kg	Wrestling Federation of India	Participation
23	Praveen .S	Senior Male Color belt under 58kg	Online Open National Taekwonda Speed Kicking Championship	First Prize
24	Praveen .S	57 kg weight category	Tong - IL Moo - Do Fedration of India	Silver medal
25	Praveen .S	Poomsar Seminar	Puducherry Taekwonda Sports Association	Participation
26	Praveen .S	Senior Men Individual .Under 30years Color belt category	Puducherry State Taekwonda Poomsae Champonship – 2021	Bronze medal
27	Praveen .S	Senior Men Free Style Under 30years Color belt category	Puducherry State Taekwonda Poomsae Champonship – 2021	Gold medal
28	Praveen .S	Senior Men Group Under 30years Color belt category	Puducherry State Taekwonda Poomsae Champonship – 2021	Gold medal

9.2   Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1	Dr. P. Raja	BOS Chairman [PG – School of Electronics, Pondicherry University]
2	Dr. P. Raja	BOS Chairman [B. Tech, M. Tech – ECE,

S.No	Name of the Faculty	(continued)
		SMVEC]
3	Dr. V. Bharathi	BOS Member [VLSI and Embedded System]
4	Dr. V. Bharathi	Institute Innovation Cell- IIC
5	Dr. R. Ramya	BOS Member [B. Tech, M. Tech – ECE, SMVEC]
6	Dr. A. Jayachitra	BOS Member [B. Tech – BME, SMVEC]
7	Dr. R. Kurinjimalar	BOS Member [B. Tech, M. Tech – ECE & VLSI Laboratory, SMVEC]
8	Dr. R. Kurinjimalar	Question Paper Setter [Annamalai University]
9	Dr. J. Pradeep	BOS Member [B. Tech, M. Tech – ECE, SMVEC]
10	Dr. S. Prem Kumar	BOS Member [B. Tech – CCE, SMVEC]
11	Dr. D. Jagadiswary	BOS Member [B. Tech, M. Tech – ECE, SMVEC]
12	Dr. S. B. Lenin	BOS Member [B. Tech – BME, SMVEC]
13	Mr. P. Arunagiri	BOS Member [BME, SMVEC]
14	Mr. P. Arunagiri	Question Paper Setter [Annamalai University]
15	Mrs. N. Jothy	BOS Member [B. Tech – BME, SMVEC]
16	Mrs. V. Logisvary	BOS Member [B. Tech – CCE, SMVEC]
17	Mrs. M. Ramani	BOS Member [B. Tech – BME, SMVEC]
18	Mrs. S. Jayanthi	BOS Member [B. Tech – BME, SMVEC]
19	Mrs. M. Julie Therese	BOS Member [B. Tech – CCE, SMVEC]
20	Mr. C. Sridhar	BOS Member [B. Tech – CCE, SMVEC]
21	Mr. R. Ilayaraja	BOS Member [B. Tech – BME, SMVEC]

9.3 Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1	Dr.P.Raja	Reviewer in Theoretical Computer Science (2022)
2	Dr.R.Ramya	Reviewer in Sixteenth International Conference on Information Processing (2021)
3	Dr.R.Kurinjimalar	Reviewer in International Journal of Electrical and Computer Engineering (2022)
4	Dr.J.Pradeep	Reviewer in International Journal of Electrical and Computer Engineering (2022)
5	Dr.P.Arunagiri	Editorial Board Member in International Journal of Multidisciplinary Research and Modern Education (2022)
6	Dr. N. Jothy	International Conference on smart technologies and systems for next generation (2022)

9.4 Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S.No	Name of the Faculty	Name of Awards / Recognition
1	Dr. R. Ramya	NPTEL Silver
2	Mr.K.Vijayakumar	NPTEL Gold

9.5   Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

S.No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1	Dr.P.Raja	AICTE - IDEA Lab	AICTE - ATAL	26-07-2021 to 30-07-2021
2	Dr.R.Ramya	Introduction to Industry 4.0 and Industrial Internet of Things	NPTEL	July to Oct 2021
		Computational Intelligence and its Applications	KSRM College of Engineering	16-08-2021 to 21-08-2021
3	Dr.R.Kurinjimalar	Towards 5G and beyond with IoT and Machine Learning	AICTE - ATAL	26-07-2021 to 30-07-2021
4	Dr.A.Jayachitra	Advances in Electronics and Communication Engineering for Industrial Applications	AICTE	26-07-2021 to 30-07-2021
5	Dr.P.Arunagiri	Computational Intelligence and its Applications	KSRM College of Engineering	16-08-2021 to 21-08-2021
6	Dr.S.Premkumar	Overview on Cyber Crimes and Cyber Security	AICTE - ATAL	22-11-2021 to 26-11-2021
7	Dr.J.Pradeep	Research Trends in Computer Vision and Natural Language Processing	AICTE - ATAL	19-07-2021 to 23-07-2021
		Computational Intelligence and its Applications	KSRM College of Engineering	16-08-2021 to 21-08-2021
		Proceedings of International Conference on Data Science and Applications	Springer	02-09-2021 to 04-09-2021
8	Dr.S.B.Lenin	Inculcating Universal Human Values in Technical Education	AICTE	12-07-2021 to 16-07-2021
9	S.Jayanthi	System Design through Verilog	NPTEL	July to Sep 2021
		Overview on Cyber Crimes and Cyber Security	AICTE - ATAL	22-11-2021 to 26-11-2021
10	V.Logisvary	Overview on Cyber Crimes and Cyber Security	AICTE - ATAL	22-11-2021 to 26-11-2021
11	C.Sridhar	Industry Oriented FDP on Data Science	AICTE - ATAL	19-07-2021 to 23-07-2021
		Overview on Cyber Crimes and Cyber Security	AICTE - ATAL	22-11-2021 to 26-11-2021
13	P.Srividdhya	Inventive Research in Computing Applications	IEEE	02-09-2021 to 04-09-2021

		International Conference on Mobile Networks and Wireless Communications	IEEE	03-12-2021 to 04-12-2021
14	M.Julie Therese	Proceedings of the Fifth International Conference on I-SMAC	IEEE	11-11-2021 to 13-11-2021
		International Conference on System, Computation, Automation and Networking	IEEE	30-07-2021 to 31-07-2021
		Proceedings of the Third International Conference on Inventive Research in Computing Applications	IEEE	02-09-2021 to 04-09-2021
15	M.Harikrishnan	Overview on Cyber Crimes and Cyber Security	AICTE - ATAL	22-11-2021 to 26-11-2021
		Proceedings of International Conference on Data Science and Applications	Springer	02-09-2021 to 04-09-2021
		Design and Development of Electric Vehicle	AICTE - ATAL	09-07-2021 to 13-07-2021
		Opportunity and Challenges for Electric Vehicles in the Automotive Industry	AICTE - ATAL	26-07-2021 to 30-07-2021
		Overview on Cyber Crimes and Cyber Security	AICTE - ATAL	22-11-2021 to 26-11-2021
		Inculcating Universal Human Values in Technical Education	AICTE	22-11-2021 to 26-11-2021
17	K.Vijayakumar	Proceedings of International Conference on Data Science and Applications	Springer	02-09-2021 to 04-09-2021
18	S.Pushparaj	Overview on Cyber Crimes and Cyber Security	AICTE - ATAL	22-11-2021 to 26-11-2021
19	C.Janani	Industry Oriented FDP on Data Science	AICTE - ATAL	19-07-2021 to 23-07-2021
		Overview on Cyber Crimes and Cyber Security	AICTE - ATAL	22-11-2021 to 26-11-2021
		International Conference on Machine Intelligence and Green Computing	AICTE	10-12-2021 to 11-12-2021
20	K.Vinoth	Overview on Cyber Crimes and Cyber Security	AICTE - ATAL	22-11-2021 to 26-11-2021
21	A.Thivya	Overview on Cyber Crimes and Cyber Security	AICTE - ATAL	22-11-2021 to 26-11-2021
		Advances in Control Systems and Sensor Technologies	AICTE - ATAL	27-11-2021 to 01-12-2021

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit

Head of the Department

Internal Audit Experts

Dr. G. G. Sozhamannan.
Professor
Department of Mechanical Engineering
SMVEC, Puducherry

Dr. S. Balaji
Associate Professor
Department of IT
SMVEC, Puducherry

Recommendations:

Section	Remarks
Curricular Aspects	Identify relevant allied subjects that complement the core curriculum.
Teaching, Learning and Evaluation	Incorporate a structured process for students to actively engage in creating lab manuals; Establish a mentoring system that caters to the individual needs of slow learners.
Structured Feedback	Create an online platform for alumni to share their experiences and suggestions, Analyze feedback to identify strengths and areas for improvement
Research, Innovation and Publications	Conduct a thorough analysis of areas needing improvement and develop action plans.
Collaborations and Linkages	Implement regular reviews and updates to enhance overall quality.
Student Progression	All relevant documents are verified
Activity Conducted / Organized by the Department	Foster stronger ties with professional bodies and industry partners.

	Organize workshops, seminars, and events in collaboration with professional bodies. Encourage student participation in professional conferences and competitions.
Achievements	Set specific and challenging goals for dynamic achievements.
General Remarks	Nil

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Puducherry - 605 107

NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

COMPUTER SCIENCE AND ENGINEERING

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NAAC

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT
(Academic Year 2021-2022)
Internal Audit
SECTION –1: BASIC INFORMATION

Audit Date	10-03-2022		
Name of the Department	Computer Science and Engineering		
Year of Establishment	1999		
Programs Offered			
	Name of the Program		Approved Intake
	U.G programs -B.Tech		180
	P.G programs – M.Tech		24
Head of the Department	Dr.K.Premkumar		
Number of full time Teachers	Professor	6	
	Associate Professor	12	
	Assistant Professor	35	
Number of Technical Staff	3		
Number of Students	For B.Tech:		For M.Tech
Faculty Student Ratio	1:20		-

For B.Tech:

Year	Strength
First Year	179
Second Year	188
Third Year	176
Fourth Year	172
Total	715

For M.Tech

Year	Strength
First Year	9
Second Year	12
Total	21

SECTION –2: CURRICULAR ASPECTS

2.1   Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1	Department Academic Calendar	Yes	
2	Faculty Subject Preferences	Yes	
3	Elective choices from the Students	Yes	
4	Course allotment to the Faculty	Yes	
5	Time Table (UG and PG)	Yes	
6	Lesson plan for each Course	Yes	

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2.2 Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1	Dr. K. Premkumar	Curriculum and Syllabus Prepared	Problem Solving Approach; Game Development using Unity	I/I III/V
2	Dr.J.Madhusudanan	Curriculum and Syllabus Prepared	Mobile and Pervasive Computing	Elective/MTech
3	Dr. N. Danapaquiame	Curriculum and Syllabus Prepared	Robotics Process Automation; Pervasive Computing; Quantum Computing	III/V IV/VIII IV/VIII
4	Dr. E. Kodhai	Curriculum and Syllabus Prepared	Programming in JAVA; IoT and Edge Computing; Software Project Management; Front-End Web Development; Internals of Operating Systems Advances in Compiler Construction User Interface/ User Experience Design	II/IV IV/VII III/V I/II I/II/ MTech Elective/ MTech Elective/ MTech
5	Mr. M. Ganesan	Curriculum and Syllabus Prepared	Software Engineering and Testing IOT and Edge Computing Agile and Software Project Management Internet of Things Laboratory Data Warehousing and Data Mining	III/V I/II/ MTech I/II/ MTech I/II/ MTech Elective/ MTech
6	Dr. P. Iyappan	Curriculum and Syllabus Prepared	Programming in C; Data Structures; Design and Analysis of Algorithms; Service Oriented Architecture; Analysis of Algorithms Research Methodology and IPR Advanced Data Structures and Algorithms Laboratory Technical Report Writing & Seminar Service Oriented Architecture	I/II II/III II/IV III/VI II/IV I/I/ MTech I/II/ MTech I/II/ MTech Open Elective I/II/ MTech Elective/ MTech
7	Mr. P. Karthikeyan	Curriculum and Syllabus Prepared	Database Management Systems; Enterprise Solutions Soft Computing Advances in Database Systems	II/IV III/V Elective/ MTech Elective/ MTech

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			C++, Programming in Python; Automata and Compiler Design; C# and .Net Programming; Data Science and Digital Marketing Analytics; Augmented Reality; Virtual Reality Advanced Java Programming Cognitive Science Game Design and Augmented Reality	II/III I/I III/VI IV/VII III/VI IV/VII Elective/ MTech Elective/ MTech Elective/ MTech
8	Mr. M. Shanmugam	Curriculum and Syllabus Prepared		
9	Mr. B. Thiayagarajan	Curriculum and Syllabus Prepared	Micro Electronics and Digital System Design ; Microprocessors &Microcontrollers; Embedded Systems; Trusted Internet Data Visualization & Reports	I/I I/II III/VI Elective/ MTech Elective/ MTech
10	Dr. V. Vijayakumar	Curriculum and Syllabus Prepared	Handheld Computing: Design and Application Development; Scripting Languages; Platform Technology Adhoc and Wireless Sensor Networks Web Services and Internet Engineering Quantum Computing Mobile Application Development Social Network Analysis	III/V II/IV III/VI I/II/ MTech Elective/ MTech Elective/ MTech Elective/ MTech Elective/ MTech
11	Mr. S. Kumarakrishnan	Curriculum and Syllabus Prepared	E-Business; Mobile Computing Machine Learning Techniques Ethical Hacking and Digital Forensics	II/IV IV/VIII Elective/ MTech Elective/ MTech
12	Mrs.C.Kalpana	Curriculum and Syllabus Prepared	Web Application Development; Web Development; Artificial Intelligence Artificial Intelligence & Agent Technology Semantic Web and Knowledge Management	III/VI III/V IV/VII I/I/ MTech Elective/ MTech
13	Mrs.P.Bhavani	Curriculum and Syllabus Prepared	Computer Organization and Architecture; Computer Graphics; Graphics Designing; Assistive Technology Business Intelligence and	I/II I/II III/V III/VI Elective/ MTech

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			Reporting	
14	Ms.J.Kanimozhi	Curriculum and Syllabus Prepared	Operating Systems; Data Communication and Computer Networks; Network Security; Client Server Computing 5G Networks and Applications	III/V III/V IV/VII IV/VIII Elective/ MTech
15	Mr.N.Gopinath	Curriculum and Syllabus Prepared	Cloud Computing and Big Data; Block chain and Cryptography; Cloud Technology and its Applications; Cyber Security and Digital Forensics; Animation and Visual Effects Cloud and Big Data Analytics Cryptography & Information Security Data Compression	III/VI IV/VIII IV/VII IV/VIII III/VI I/I/ MTech Elective/ MTech Elective/ MTech Elective/ MTech
16	Dr.V.Vijayalakshmi	Curriculum and Syllabus Prepared	Agile Development; Haptic Computing; Deep Learning; Bio Inspired Computing Data Storage Technologies & Networks	III/VI IV/VII IV/VIII Elective/ MTech Elective/ MTech
17	Mr.A.Prakash	Curriculum and Syllabus Prepared	Fundamentals of Programming Languages; Functional Programming; Robotics Design of Embedded Systems Block Chain and Crypto currency	II/IV III/V IV/VII Elective/ MTech Elective/ MTech
18	Mr.N.Balaji	Curriculum and Syllabus Prepared	Data Mining and Warehousing; Database Administration	IV/VII II/IV
19	Mr.Arokiaraj Christian	Curriculum and Syllabus Prepared	Object Oriented Analysis And Design; Trust Computing; Human Computer Interaction	II/IV IV/VIII IV/VIII
20	Ms.V. Swathilakshmi	Curriculum and Syllabus Prepared	Ethical Hacking; Natural Language Processing	IV/VIII IV/VIII
21	Mr.N.Rajesh	Curriculum and Syllabus Prepared	Robotic Process Automation(RPA)	Elective/ MTech

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2.3 List of Professional Elective Courses offered by the department

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
1	III / V	Game Development using Unity	U19CSE52	57
2	III / V	Software Project Management	U19CSE55	120
3	IV/VII	Software Testing and Quality Assurance	CS E71	172

2.4 List of Open Elective Courses offered by Other department

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
1	III/V	Civil	Disaster Management	U20CEO503	60
2	III/V	Civil	Air Pollution and Solid Waste Management	U20CEO504	117

2.5 List of Skill Development Courses offered by the department

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
1	III/V	Skill Development Course 5 : Foreign Language/ IELTS –I/ Career and Professional Skill development Program -I	U19CSS51	176
2	III/V	Skill Development Course 6 : Presentation Skills using ICT	U19CSS52	176
3	II/III	Computer Assembly and Troubleshooting	U20CSS32	176

2.6 List of Certification Courses offered by the department

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
ODD SEM				
1	I/II	Web Programming - II	U20CSCX90	176
2	III/V	Python Programming	U19CSCX2	117
3	III/V	Java Programming	U19CSCX3	60

2.7 List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1	I/I	Induction Program	U20CSM101	179
2	III/V	Essence of Indian Traditional Knowledge	U19CSM51	176

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SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1 Course Delivery: ODD SEM July-2021 to Dec-2021

I Year / II Semester – (2020-2024)

S.No	Name of the Course	Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Engineering Mathematics – II	U20BST215	Mrs.D.Dheebia	60	60	60
			Mrs.m.Sughasini	60	60	60
			Mrs.D.Dheebia	60	60	60
2	Programming in C	U20EST201	Dr. K. PREMKUMAR	45	45	45
			Mr.D.Rajesh	45	45	45
			Mr.Arokiaraj	45	45	45
3	Microprocessors and Microcontrollers	U20CST201	Mrs.P.R.Jayanthy	45	45	45
			Mr.B.Thiyagarajan	45	45	45
			Mr.R.Rajadurai	45	45	45
4	Front-End Web Development	U20CST202	Mr.R.Rajadurai	45	45	45
			Mr.S.Kumarakrishnan	45	45	45
			Dr.V.Vijayakumar	45	45	45
5	Computer Organization and Architecture	U20CST203	Mr.M.Shanmugam	45	45	45
			Mr.R.Swaminathan	45	45	45
			Dr. A.Ramalingam	45	45	45
6	Computer Graphics	U20CST204	Dr.T.Megala	45	45	45
			Mrs.A.Cauvery	45	45	45
			Mr.A.Saravanaraj	45	45	45
PRACTICAL						
7	Programming in C Laboratory	U20ESP202	Dr. K. PREMKUMAR	30	30	30
			Mr.D.Rajesh	30	30	30
			Mr.M.Shanmugam	30	30	30
8	Micrprocessors and Microcontrollers Laboratory	U20CSP201	Mrs.M.Indhumathi	30	30	30
			Mr.B.Thiyagarajan			
			Mr.R.Rajadurai	30	30	30
9	FrontEnd Web Development Laboratory	U20CSP202	Mr.R.Swaminathan	30	30	30
			Mr.S.Kumarakrishnan	30	30	30
			Dr.V.Vijayakumar	30	30	30

III Year / V Semester – (2019-2023)

S.No	Name of the Course		Name of the Faculty	No. of Lectures / Practical	No. of Lectures / Practical	No. of Lectures / Practical

		Code		hours as per syllabus	hours as per Lesson Plan	hours conducted
1	Probability and Statistics	U19CST51	Mrs.M.Sughasini	60	60	60
			Mr. K.Raja	60	60	60
			Mr.K.Raja	60	60	60
2	Handheld Computing: Design and Application Development	U19CST52	Mrs.M.Maragadhavalli	45	45	45
			Dr.M.Auxilia	45	45	45
			Mr.R.Rajan	45	45	45
3	Web Application Development	U19CST53	Mr.N.Gopinath	45	45	45
			Mr.A.Prakash	45	45	45
			Mrs.R.Baghalaxmi	45	45	45
4	Software Engineering and Testing	U19CST54	Mr.N.Balaji	45	45	45
			Ms.V.Swathilakshmi	45	45	45
			Mr. M.Ganesan	45	45	45
5	Professional Elective - II	U19CSE5X	Dr.A.Swaminathan	45	45	45
			Mr.P.Dinesh	45	45	45
			Mrs.V.Nivedha	45	45	45

PRACTICAL

		Code		hours as per syllabus	hours as per Lesson Plan	hours conducted
6	Handheld Computing Laboratory	U19CSP51	Mrs.M.Maragadhavalli	30	30	30
			Dr.M.Auxilia	30	30	30
			Mr.R.Rajan	30	30	30
7	Web Application Development Laboratory	U19CSP52	Mr.N.Gopinath	30	30	30
			Mr.A.Prakash	30	30	30
			Mrs.R.Baghalaxmi	30	30	30
8	Software Testing Laboratory	U19CSP53	Mr.N.Balaji	30	30	30
			Ms.V.Swathilakshmi	30	30	30
			Mr. M.Ganesan	30	30	30

IV Year / VII Semester – (2018-2022)

S.No	Name of the Course	Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Artificial Intelligence	CS T71	Mrs.R.Deeba	45	45	45
			Mrs.P.Bhavani	45	45	45
			Mrs.C.Kalpana	45	45	45
2	Computer	CS T72	Mr.P.Karthikeyan	45	45	45

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	Hardware and Network Trouble Shooting		Mrs.V.Gomathi	45	45	45
			Dr. N. Danapaquiame	45	45	45
3	Platform Technology	CS T73	Mrs.S.Deeba	45	45	45
			Mr.K.Muthukumaran	45	45	45
			Dr.T.Amalraj Victorie	45	45	45
4	Elective-III		Mrs.R.Thenmozhi	45	45	45
			Mrs.S.Nithya	45	45	45
			Dr.R.Sakthimurugan	45	45	45
PRACTICAL						
5	Artificial Intelligence Laboratory	CS P71	Mrs.R.Deepa			
			Mrs.P.Bhavani	30	30	30
			Mrs.C.Kalpana	30	30	30
6	Troubleshooting Laboratory	CS P71	Mr.P.Karthikeyan	30	30	30
			Mrs.V.Gomathi	30	30	30
			Mr.P.Dinesh	30	30	30
7	Platform Technology Laboratory	CS P71	Mrs.A.Cauvery	30	30	30
			Mrs.S.Deeba	30	30	30
			Mr.K.Muthukumaran	30	30	30
8	Project Work – Phase I	CS PW7	Dr. E. Kothai	30	30	30
			Dr. J.Madhusudanan	30	30	30
			Dr. N. Danapaquiame	30	30	30

3.2 Use of ICT Tools in Teaching Learning

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr.K.Premkumar	Data Structures	Projector / Black Board
2	Mrs.P.Bhavani	Computer organization and architecture	Projector / Black Board
3	Ms.J.Kanimozhi	Computer Networks	Projector / Black Board
4	Dr.V.Vijayalakshmi	Artificial Intelligence	Projector / Black Board
5	Dr.V.Vijayakumar	Platform technology	Projector / Black Board
6	Ms.J.Kanimozhi	Embedded systems	Projector / Black Board
7	Dr.V.Vijayakumar	Web technology	Projector / Black Board
8	Dr. J. Madhusudanan	Object oriented analysis and design	Projector / Black Board
9	Dr.N. Danapaquiame	Elective-v: cloud computing	Projector / Black Board
10	Dr.P.Iyappan	Agile and Software Project Management	Projector / Black Board/

3.3 List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience

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1	Sorting Algorithms	Dr.M.Thirumaran Asst Professor, CSE. AnnaMalai University, Chennai, Tamilnadu,600025	12-01-2022	150
2	Engineering Design	Mr.Ashok Kumar.K Asst Professor, CSE, Sathyabama Institute of Science and Technology	11-02-2022	60
3	Exception Handling in Python	Dr.Sivakumar.V, Associate Professor / CSE Dept., SRM University	15-02-2022	170
4	Applications of Parsers	Dr.S.Arivalagan, Asst Professor, CSE, AnnaMalai University, Chennai, Tamilnadu,600025	14-02-2022	150
5	Applications of Linked Lists	Dr.Umamakeswari.A Associate Professor, CSE Sastra University	25-02-2022	60
6	HTTP and FTP	Dr.S.Saravanan Asst Professor, CSE AnnaMalai University	10-02-2022	120
7	Cloud Virtualization	Dr.Lakshmanan.L, Professor / cse dept., sathyabama university, Semmancheri, Chennai, Tamil Nadu – 600119	04-02-2022	160
8	Management in Agile Environment	Dr.Prasath.N, Professor / CSE dept., SRM university	02-02-2022	60
9	Modern Engineering Economics	Dr.Lakshmanan.L, Professor / CSE dept., Sathyabama university	10-02-2022	160

3.4 Activities for Slow and Advanced Learners

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
I Year / II Semester – (2020-2024)					
1	Microprocessors and Microcontrollers	Mr.B.Thiyagarajan	Yes	6	Yes
2	Computer Organization and Architecture	Mr.M.Shanmugam	Yes	6	Yes

3	Computer Graphics	Mrs.A.Cauvery	Yes	6	Yes

III Year / V Semester – (2019-2023)

1	Probability and Statistics	Mrs.M.Sughasini	Yes	6	Yes
2	Handheld Computing: Design and Application Development	Dr.M.Auxilia	Yes	6	Yes
3	Web Application Development	Mr.N.Gopinath	Yes	6	Yes

IV Year / VII Semester - (2018-2022)

1	Computer Hardware and Network Trouble Shooting	Mr.P.Karthikeyan	Yes	6	Yes
2	Platform Technology	Dr.T.Amalraj Victorie	Yes	6	Yes

3.5 Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	
2	Class wise student Profile Record Maintained	Yes	
3	Mentor – Mentee Session Record Maintained	Yes	

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
715	53	1:14

3.6 Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	
2	Seminar / Project Review Record	Yes	
3	End Semester Examination Record	Yes	
4	Student Grade Report	Yes	

3.7 Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	
2	Correlation of COs with POs and	Yes	

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	PSOs for each Course		
3	Course Outcome Attainment Calculated	Yes	Target Attainment level 3
4	PSO and PO attainment through CO	Yes	

3.8 Student Performance in End Semester Examination

IV Year / VII Semester – (2018-2022)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	172	-
2	Number of All Clear Students	163	-
3	Number of Students passed with Distinction	-	-
4	Number of Students passed with First Class	-	-
5	Number of Students passed with Second Class	-	-
6	Number of Students Failed	9	-
7	Passing Percentage	95%	-

III Year / V Semester – (2019-2023)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	176	-
2	Number of All Clear Students	166	-
3	Number of Students passed with Distinction	-	-
4	Number of Students passed with First Class	-	-
5	Number of Students passed with Second Class	-	-
6	Number of Students Failed	10	-
7	Passing Percentage	94%	-

I Year / II Semester – (2020-2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	177	12
2	Number of All Clear Students	163	12
3	Number of Students passed with Distinction	-	-
4	Number of Students passed with First Class	-	-
5	Number of Students passed with Second Class	-	-
6	Number of Students Failed	14	-
7	Passing Percentage	92%	100%

SECTION – IV : STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	650	
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	50	

3	Student Exit Survey conducted and Analysed	Yes	75	
4	Alumni Feedback conducted and Analysed	Yes	30	

SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS

5.1 Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
1	Dr.E.Kodhai	Detection of Function Clones using Hybrid Approach for Java script and Android App by Java(AAJ) open source projects	SERB	Rs.14,81,389	3 years Note: Submitted

5.2 Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consultancy
1	Mr. N. Gopinath-Sri Manakula Vinyagar Health care Products	Skill Oriented Training Program	Sri Manakula Vinyagar Health care Products, Kalitheerthalkuppam, Puducherry	1,00,000	6 Months
2	Mr. M. Shanmugam-RMV Solutions	AR Based Map Navigation for Visually Challenged People	RMV Solutions, Chetty Street, Puducherry.	60,000	3 Months

5.3 Faculty Publications
Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Impact Factors
1	2018-2019	13	1			
2	2019-2020	21	3			
3	2020-2021	30	16			
4	2021-2022	1	1			

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	Nil	
Number of Publication in International Journals	2020-2021	2021-2022
	30	1
Number of Publication in National Conferences	Nil	
Number of Publication in International Conferences	2020-2021	2021-2022
	-	4
Number of Books / Book Chapters	Nil	
Number of Patent (Filed)	2020-2021	2021-2022
	8	6
Number of Patents Granted	2020-2021	2021-2022
	1	5

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
1	-	-	-	-

International Journal

Academic year 2021-22

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	Short Circuit Detection in Home using Augmented Reality	**M. Shanmugam** V.Prasanna Venkatesan V.Sajith kumar R.Gowtham @ Surya D.Srigiridharan	Design Engineering (Toronto)	Issue:7,204-221, ISSN: 0011-9342	Scopus

Academic year 2020-21

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1.	UI Web Automation Testing Using Testing Log4j	**K.Premkumar,** S.Keerthi, I.Anju, A.Shaliny	Journal of Xidian University,	Volume 14,Issue 7, ISSN:1001-2400. June 2020/ Page 930-936	Scopus-UGC Care-II
2.	Geophonics- Crop Yield Prediction using Machine Learning Techniques	**V.Vijayakumar,** A.Aysha Parveen, R.Chandira Keerthana, P.Vaishnavi	Alochana Chakra Journal,	Volume IX, Issue VI, ISSN: 2231-3990,June 2020/ Page 2112-2130	UGC CARE1
3.	Taxonomy Creation using Natural Language Processing	**J.Madhusudanan** S.Geetha, Madhumithra M, Malavika.M, Ramya Ramin R	Journal of Xidian University,	ISSN: 1001-2400, June 2020/ Page 2255-2260	Scopus-UGC Care-II
4.	A Perturbed Self-organizing Multiobjective Evolutionary Algorithm to solve Multiobjective TSP	**J.Kanimozhi,** V. Swathilakshmi B.Thiyagarajan, R.Subramanian	ADBU Journal of Engineering Technology	Volume.9/Issue1/ ISSN:2348:7305/June 2020/ Page 1-9.	UGC CARE1
5.	A Personal Assistant in	**J.Kanimozhi,** B.Thiyagarajan,	International Journal of	Vol. 9 No. ISSN: 2319-7323,June 2020/ Page	UGC CARE1

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	Chatbots with different Technologies	V. Swathilakshmi	Computer Science Engineering	199-204	
6.	Organizing Meeting Inside the company	**P. Bhavani,** S.Swathi, R.Subasri, K.Thamizharasi	International Journal for Research in Applied Science & Engineering Technology (IJRASET),	Volume 8, Issue VI, ISSN: 2321-9653, June 2020/ Page 2401-2406	UGC CARE1
7.	Patient Monitoring System using Beacon	**P. Bhavani,** A. Kayalvizhi, K. Monisha, G. Aradhana	International Journal for Research in Applied Science & Engineering Technology (IJRASET),	Volume 8, Issue VI, ISSN: 2321-9653, June 2020/ Page 547-551	UGC CARE1
8.	Intelligent Trolley based on Internet of Things	**D. Rajesh,** S. Cindhuja, K.DhivyaLakshmi, P. Jaisheela	International Journal of Computer Sciences and Engineering,	Vol.8, Issue.6, ISSN: 2347-2693, June 2020/ Page 40-44	UGC CARE1
9.	Developing an Optimized Feature Selection Process for Designing Efficient ContentManageme nt System using Educational Data	**V. Vijayalakshmi,** A. Prakash	International Journal of Advanced Research in Science & Technology (IJARST),	Volume 7, Issue 1, ISSN: 2581-9429, July 2020/ Page 15-24	UGC CARE1
10.	Cloud Computing in HealthCare Management for Electronic Record(EHR) in M-Health Care Application	**Arokiaraj Christian St Hubert,** A.Punitha	International Research Journal of Engineering and Technology (IRJET)	Volume: 07, Issue: 06, ISSN: 2395-0056, June 2020/ Page 1-4.	UGC CARE1
11.	IOT and Cloud based Brain tumor detection and classification model using Optimal densely connected convolutional networks	**M.Ganesan** Dr.N.Sivakumar Dr.Thirumaran R.Saravanan	IIOAB Journal	Volume-11 Issue-5, /0976-3104/ NOV 2020/ Page 1-7	Scopus-UGC Care-II
12.	Predicting the performance of instructors using Machine learning algorithms	**V. Vijayalakshmi** K. Panimalar Sakthivel Janarthanan	High Technology Letters	ISSN NO : 1006-6748 / Volume 26, Issue 12, Dec 2020 / page no:694-705	Scopus-UGC Care-II
13.	kART	**Mr.M.Shanmugam** Mr.S.Palaniappan Mr.A.Shahnaz Mr.M.Subathra	Malaya Journal of Matematik	Vol.1/2321-5666/2021/57-59	UGC CARE1
14.	Automated Attendance system and voice	**Mrs. P. BHAVANI,** Ms.C. saraswathi, Ms. K. Soba	Turkish journals of computer and	Volume :12 No. 10(2021)/page no 3207 to 3217	Scopus-UGC Care-II

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		assistance using face recognition	Ms. R. Preethika	mathematics education		
	15.	Smart Garbage Tracking System	**Mrs.P. BHAVANI,** Ms. R. Yogasi, Ms. S. Santhanalakshmi Ms.S. Meharajebeham	Turkish journals of computer and mathematics education	Volume :12 No. 10(2021)/page no 3218 to 3225	Scopus-UGC Care-II
	16.	Enhanced Handover and secured authentication systems	**Mr.D.Rajesh** Ms.B.Bhaviya , Ms.G.Janani Ms.U .Nishanthi	Turkish journals of computer and mathematics education	Volume :12 No. 10(2021)/page no 3290 to 3298	Scopus-UGC Care-II
	17.	Smart attendance System for Covid-19	**Dr. E.Kodhai,** Ms.M.Preetha, Ms.R.Gayathiri Devi Ms.S.V.Deepthy	Turkish journals of computer and mathematics education	Volume :12 No. 10(2021)/page no 3187 to 3194	Scopus-UGC Care-II
	18.	Protrack: A Student-Teacher Project Management Tool	**Dr. V.Vijayakumar,** R. Pradeepkumar, S. Siddharthan, C. Harish Mohan, V. Deepak Kumaran	Turkish journals of computer and mathematics education	Volume :12 No. 10(2021)/page no 3173 to 3186	Scopus-UGC Care-II
	19.	Spotting Of The Infected Rice Plant Leaves Using RCNN	**Mr. N. Gopinath** Dr. K. Premkumar R. Sandhya K. Keerthi Logambal D. Pooja	Alinteri Journal of Agriculture Sciences	2564-7814/2587-2249	Scopus-UGC Care-II
	20.	Deep Packet Inspection to Identify the Finest Network Traffic Rate Method in Machine Learning	**Arokiaraj Christian St Hubert,** A.Punitha A. Sankaran	International Journal of Grid and Distributed Computing	/Vol.13. No.2/ISSN:2005-4262/2490-2498	UGC CARE1
	21.	Student suite+, A closed domain question answering system for Educational domain	**Ms.V.Swathilakshmi,** Rama Satyanarayanamma Vismaya Udayakumar , Satyavarapu Sai Sindhura	Turkish Journal of Computer and Mathematics Education,.	Vol.12 No.10(2021),ISSN 1309-4653,3168-3172	Scopus-UGC Care-II
	22.	Artificial Intelligence to Read Chest X-rays for Deduction of TB	Abdul Hasif .H, **Ganesan .M** Vijaya Ganapathi .B, Suriya .B,	International Journal of Engineering and Advanced Technology (IJEAT),	Volume-9, Issue-5, ISSN: 2249 – 8958, June 2020/ Page 155-160	UGC CARE1
	23.	Extraction of road from high resolution satellite images by using ridge and canny edge detection	Madhankumar.K **N.Gopinath** Rajeshkumar.M T.Priyadharshini	Solid state technology	Vol.63. No.6(2020), ISSN: 0038-111X/NOV 2020/ Page 8525-8533	Scopus-UGC Care-II
24.		Multifunctional	J. Jeevanantham	Solid State	Volume: 63 Issue:	Scopus-

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	Solar Power Operated Sprayer for Agricultural Applications	**V. Vijayalakshmi** S. Kuzhaloli P. Vijayakumar A. Radhika R. Rajashree	Technology	6/Dec 2020/Page no: 11660-11666.	UGC Care-II
25.	An Efficient Malicious node detection algorithm for Vehicular Ad-hoc network	L.M.Varalakshmi **E.Kodhai** G.Radhakrishnan K.Thilagam L.Kurinjimalar P.Vijayakumar	International Journal of Advanced research in engineering and technology	Vol.11.Issue.12/09766 480/ Dec 2020/ page no:2044-2053	Scopus-UGC Care-II
26.	A Controlled framework for reliable multicast routing protocol in mobile ad hoc network	M.Anand **N.Balaji** N.Bharathiraja A.Antonidoss	Materials Today: Proceedings	2214-7853/JAN 2021/1-8	Scopus-UGC Care-II
27.	IoT Based garbage bin monitoring and decluttering system	Mrs.M.Rekha **Dr.E.Kodhai** Ms.S.Kuzhaloli Mr.Ramod Sharma Mr.Ajaikumar Mr.Neeraj Kumar	Materials Today: Proceedings	2214-7853	Scopus-UGC Care-II
28.	An efficient computer aided diagnosis model for citrus disease detection	Mrs.E.Indra **Mrs.P.R.Jayanthi** Mr.Vengatapathiraj Dr.R.Balamanigandan Ms.D.Saranya Mrs.T.Priyaradhikadevi	Annals of the Romanian Society for Cell Biology	Vol.25/ISSN:1583-6258/2021/1872-1880	UGC CARE1
29.	A Deep Learning Neural Network Techniques in Visualization, Imaging Data Acquisition And Diagnosis for Covid-19	Dr. N. Danapaquiame, P. Kalaiselvi, P. Ambika, S.Abinaya, D.Devathersani I.Preethi	Turkish Journal of Computer and Mathematics Education,	Vol.12 No.10(2021),ISSN 1309-4653,3226-3239.	Scopus-UGC Care-II
30.	Smart Shopping with Enhanced User Experience	Mr.M.Shanmugam Dr.V.Prasanna Venkatesen Mr.S.Palaniappan Mr.A.Shahnaz Mr.M.Subathra	Turkish Journal of Computer and Mathematics Education,	Vol.12 No.10(2021),ISSN 1309-4653,5777-5794	Scopus-UGC Care-II
Academic year 2019-20					
1.	An IoT based Ambulance Guidance System Under Emergency Condition	K. Premkumar, K.V. HariKrishnaa, R. Remo Dany, S. Sri Siddharth	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878 (Online), Volume-9 Issue-1, May 2020	UGC CARE1
2.	Facial Emotion Recognition for Autism Children	K. PremKumar, K.Murugapriya, M.R.Varsha, R.Asmitha, S.Sureka	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075, Volume-9 Issue-7, May 2020.	UGC CARE1
3.	Medical Image Forgery Detection	K. Premkumar, J.Preethi,	International Journal of	ISSN: 2278-3075 (Online), Volume-9	UGC CARE1

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			using Cnn	J.Sandhya, IntiSatyapriyaHarshini	Innovative Technology and Exploring Engineering	Issue-6, April 2020	
4.	Acronym Disambiguation using Web Scraping	K. Premkumar, V. Atchayaa, P. Idayavalli, R. Gayathri	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249-8958 (Online), Volume-9 Issue-4, April 2020	UGC CARE1
5.	Smart Electric Sensing in Infrastructure	K. Premkumar, Sagana R , Sharon E , Prianga S , SushmaSuvetha Mary M	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878 (Online), Volume-8 Issue-6, March 2020	UGC CARE1
6.	Enhanced Genetic Algorithm Optimization Models for Vehicular Routing Problems	K. Premkumar, R. Baskaran, M. Shanmugam	International Journal of Engineering and Advanced Technology (IJEAT)	Vol. 9, No. 2, 2019	UGC CARE1
7.	The Data Dissemination Resistant Trust Management Scheme for Securing Vehicular Ad Hoc Networks	K. Premkumar, R. Baskaran	International Journal of Computer Sciences and Engineering	Vol:7, No. 7, 2019	Scopus-UGC Care-II
8.	An Efficient Personal Health Record Storage using Block Chain Technology	E. Kodhai, Manga HaneeshaGowri, Susmitha. S, Muthamizh. R	International Journal of Engineering Science and Computing	Volume-10 Issue-5, May 2020	UGC CARE1
9.	Emotion Recognition System for Visually Impaired	Kodhai.E, Pooveswari.A, Sharmila.P, Ramiya.N	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249-8958, Volume-9 Issue-4, April 2020	UGC CARE1
10.	Sentiment analysis for customer service	E.Kodhai, B.Nivetha, K.Sriakila, G.Suvalakshmi	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249-8958, Volume-9 Issue-4, April 2020	UGC CARE1
11.	Optimal Deep Learning Based Data Classification Model for Type-Ii Diabetes Mellitus Diagnosis and Prediction System	M.Ganesan, Dr.N.Sivakumar, Dr.Thirumaran, R.Saravanan	International Journal of Innovative Technology and Exploring Engineering	Volume-9 Issue-3, January 2020	UGC CARE1
12.	Repair in Reality using Remont Application	M.Ganesan, P. Abinaya, N. Kavinaya, P. Kavitha, Smrite D. Nambiar	International Journal of Recent Technology and Engineering (IJRTE)	Volume-9 Issue-1, May 2020	UGC CARE1

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13.	Internet of Medical Things with Cloud based e-Health Services for Brain Tumor Detection Model using Deep Convolution Neural Network	M.Ganesan, Dr.N.Sivakumar, Dr.Thirumaran	Electronic Government, an Int. J, (InderScience Publications)	Vol. 16, Nos. 1/2, 2020	Scopus-UGC Care-II
14.	Road Condition Monitoring with Source Authentication in VANET	Vijayakumar. V, Praveen Benjamine.S, Karthikeyan.M, RagulKumar.M, Ram Kishore.A	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249 – 8958, Volume-9 Issue-4, April 2020	UGC CARE1
15.	Isolation Forest and Local Outlier Factor for Credit Card Fraud Detection System	V. Vijayakumar, Nallam Sri Divya, P. Sarojini, K. Sonika	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249 – 8958, Volume-9 Issue-4, April 2020	UGC CARE1
16.	Adaptive Load Balancing Schema for efficient data dissemination in Vehicular Ad-Hoc Network VANET	V. Vijayakumar, K. Suresh Joseph	Alexandria Engineering Journal – Elsevier	Vol. 58, No. 4, 2019	Index:SCI Expanded
17.	AR COLOR GRAB – A Coloring Experience For Autistic Children	Mr.M.Shanmugam, Dr. V.PrasannaVenkatesan, S.Anitha, D.SaiPrabhaSatyaKeerthi, R.RajLaxmi	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-X, Issue-X, May 2020	UGC CARE1
18.	An Enhanced Algorithm of Safety Information Control using WSN in VANET	P. Karthikeyan, K.Sivaranjini, B.Gayathri, V.Priyadharshini	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249 – 8958, Volume-9 Issue-4, April 2020	UGC CARE1
19.	Electronic Vaccine Monitoring System	P. Karthikeyan, C. Ashwin, R. Sai Vishnu, N. Ravi Teja	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277 – 3878, Volume-8 Issue-6, March 2020	UGC CARE1
20.	Research of Dealing with Sinkhole Attacks To Prevent Security in WSN	K.Prasannadevi, P.Karthikeyan, Ms.A.Swathy	International Journal of Scientific Research & Engineering Trends	Volume 5, Issue 6, Nov-Dec-2019, ISSN (Online): 2395-566X	UGC CARE1
21.	Attendance Maintaining and Monitoring using Face Recognition	C. Kalpana, S.Hemavathi, K.Geerthana, T.Dhakshayini	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278–3075 (Online), Volume-9 Issue-6, April 2020	UGC CARE1

22.	Alerting Spoilage of Food in Refrigerator	C. Kalpana, Atchaya.G, Suprapraba.S, Suruthi.N, Sindhuja.S	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2278 – 3075, Volume-9 Issue-6, April 2020	UGC CARE1
23.	Bus Attendance System Using Optical Recognition	P.Bhavani, S.Vaishnavi, P.Vennila, V.Vijayalakshmi	International Journal of Engineering and Advanced Technology(IJE AT)	Volume 9, Issue-4 April 2020 ISSN-2133-2136	UGC CARE1
24.	A Personal Assistant that Integrates the Updates	J. Kanimozhi, V. Swathilakshmi, P. Bhavani, V. Vijayalakshmi	International Journal of Information Technology and Electrical Engineering	Volume 9, Issue 1, 2020	UGC CARE1
25.	A Survey on Hand Gesture Recognition using Machine Learning	N. Gopinath	International Research Journal of Engineering and Technology (IRJET)	ISSN: 2395 – 0056, Volume-7 Issue-4, April 2020	UGC CARE1
26.	An IoT based Application for Real Time Monitoring of the Crops for Agriculture Lands	N. Gopinath, M. Vikram, J. Andrew, R. Goutham	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878 (Online), Volume-8 Issue-6, March 2020	UGC CARE1
27.	Predicting Credit Card Approval of Customers Through Customer Profiling using Machine Learning	Arokiaraj Christian St Hubert, R. Vimalesh, M. Ranjith, S. Aravind Raj	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249 – 8958, Volume-9 Issue-4, April 2020	UGC CARE1

Academic year 2018-19

1.	A Survey on Oral Cancer Analysis among Hospitalized Patients Based Bioinformatics	G. Shruthi, J.Madhusudananan	International Journal of Computer Sciences and Engineering	Vol.-7, Special Issue, 4, Feb 2019 E-ISSN: 2347-2693	UGC CARE1
2.	Textaloud Assistant App development for Multilanguage	Dr.E.Kodhai, S.Abinayalakshmi, D.Pretha, D.Anjana	International Journal of Innovative technology and exploring Engineering	Vol:8, No. 7S, 2019	Scopus
3.	Analysing Sentiment and Aspects from Reviews for Ensuring Product Quality	Dr. E. Kodhai, R. Yamuna Devi, R. Dharani, G. Ragapriya	International Journal of Engineering Research & Technology (IJERT)	Vol. 8, No. 03, 2019	UGC CARE1
4.	A Survey on Agriculture Using Internet of Things	M. Ganesan, D. Keerthiga	International Journal of Computer	Vol.-7, Special Issue, 4, Feb 2019 E-ISSN: 2347-2693	UGC CARE1

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			Sciences and Engineering		
5.	Quadcoptor Monitoring	M.Ganesan, S.S.Gayathri, S.Krishnakumari, S.Nivedithaa	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	Volume 5,Issue 2, 2019	UGC CARE1
6.	Centralized Management and Control of Network Devices	I. Govindharaj, S. Mohanraj, P. Motheesh, R. Rajaguru	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	Vol-5, Issue-2, ISSN: 2456-3307, 2019	UGC CARE1
7.	A Survey on Virtualization for Cloud Data Centers	R. Priya	International Journal of Computer Sciences and Engineering	Vol.-7, Special Issue, 4, Feb 2019 E-ISSN: 2347-2693, 2019	UGC CARE1
8.	Utlization of Blockchain in Medical Healthcare Record using Hyperledger Fabric	V.Vijayakumar, K.M.Sabarivelan, J.Tamizhselvan, B.Ranjith, B.Varunkumar	International Journal of Research in Advent Technology	Vol.7, No.4, April 2019, E-ISSN: 2321-9637	UGC CARE1
9.	A Survey on Various Forwarding Protocols Scheme for Named Data Network in MANET	P. Lakshmi Priya, K. Premkumar	International Journal of Computer Sciences and Engineering	Vol.-7, Special Issue, 4, Feb 2019 E-ISSN: 2347-2693, 2019	UGC CARE1
10.	A Survey on Various Aggregators for Routing Delay in Wireless Sensor System	B. Janapriya, P. Karthikeyan	International Journal of Computer Sciences and Engineering	Vol.-7, Special Issue, 4, Feb 2019 E-ISSN: 2347-2693, 2019	UGC CARE1
11.	A case control study to assess the risk factors of development of foot ulcers among the clients with diabetes mellitus residing in selected rural areas of sedarapet, puducherry	V. Sujitra, Annie William, P. Hemavathy, P. Karthikeyan	Journal of Emerging Technologies and Innovative Research	April 2019, Volume 6, Issue 4 ISSN-2349-5162	UGC CARE1
12.	Multilocation Shop Management System using Web Services	Lokambal, Preetha.S, Keerthana.D, P.Bhavani	International Journal of Computer Sciences and Engineering	Vol.-7, Issue-3, March 2019 E-ISSN: 2347-2693	UGC CARE1
13.	Enhancing the lifetime of network using HybridArtificial Bee	Poonguzhali, P.Bhavani, R.Ramachandiran	International Journal of Engineering, Applied and	Volume 54 Issue 3 June 2019 ISSN 2320-6608	UGC CARE1

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	Colony – Nelder Mead (HABC-NM) in coverage connected node placement problem of target based WSN		Management Sciences Paradigms (IJEAM)		
14.	A Survey of Control Algorithms Used In Physiological Closed Loop Control for Oxygen Therapy	J. Kanimozhi, S. Shree Vidhya, K. Keerthana, M. Janaki	International Journal of Applied Engineering Research	ISSN 0973-4562 Volume 14, Number 3 (2019) pp. 694-702	UGC CARE1
15.	A Survey of Systems used in the Monitoring and Control of Intravenous Infusion	Keerthana. K, Shree Vidhya. S, Janaki. M, Kanimozhi. J	International Journal of Engineering and Technology	Vol 11, No 1, Feb-Mar 2019 ISSN: 0975-4024	UGC CARE1
16.	Javabot – Chatterbot Using Java to Assist Healthtip, Share market and Sports Updates	Kanimozhi. J, Balla Sri Satya	International Journal of Application or Innovation in Engineering & Management	Volume 8, Issue 4, April 2019 ISSN 2319 - 4847	UGC CARE1

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1						

International Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	Comparison of Frequent Fraud Activity Detection System by using the Comprehensive Analysis Method	Dr. V. Vijayakumar	Proceedings of IQAC Enabled DST PURSE II Sponsored Two Day International Virtual Conference on Computational Intelligence, Communication and Informatics	Computational Intelligence, Communication and Informatics (IVC- CICI'21)	978-93-91332-01-3	VR1Publications
2	State of Art of Various Analysis and Fraudulent Activity	Dr. V. Vijayakumar	Proceedings of IQAC Enabled DST PURSE II Sponsored Two Day International	Computational Intelligence, Communication and Informatics (IVC- CICI'21)	978-93-91332-01-3	VR1Publications

			Virtual Conference on Computational Intelligence, Communication and Informatics			
	Prediction Techniques Based on Behaviors Analysis					
3	IoT Enabled Inexhaustible E-vehicle using Transparent solar Panel	Mrs.S.Deeba	Proceedings of International conference on communication computing and Internet of Things	International conference on communication computing and Internet of Things(IC3IOT -2022)	-	-
4	Analysis of Spam Detection using Integration	Mrs.S.Deeba	Proceedings of Fourth International conference on computing and communication Technologies	Fourth International conference on computing and communication Technologies (ICCCT-2021)	-	-

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	Automata Languages and Computation	Dr.N.Danapaquiame	978-93-5577-034-9	Charulatha Pub;ishers

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1	Sri Manakula Vinayagar Engg. College Dr. V. Vijayakumar Dr. P. Iyappan Dr. N. Danapaquiame Mr. N. Gopinath		SMART ENERGY CONSUMPTION MONITORING METER	354166-002 & 11/02/2022	India	Granted (Design Patent)
2	Sri Manakula Vinayagar Engg. College Dr. N. Danapaquiame Dr. P. Iyappan Dr. V. Vijayakumar Mrs. P. Bhavani		SMART COOKING MACHINE	354164-002 & 25/02/2022	India	Granted (Design Patent)
3	Sri Manakula Vinayagar Engg. College Dr. N. Danapaquiame Dr. P. Iyappan Dr. V. Vijayakumar Mrs. P. Bhavani		AUTOMATED COOKING MACHINE	354938-002 & 25/02/2022	India	Granted (Design Patent)
4	Sri Manakula Vinayagar Engg. College Dr. V. Vijayakumar Dr. P. Iyappan		EM WITH WIRELESS MESSAGE	354940-002 & 25/02/2022	India	Granted (Design Patent)

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	Dr. N. Danapaquiame Mr. N. Gopinath					
5	Dr. N. Danapaquiame Dr. P. Iyappan Dr, Sreelatha P Dr. V. Vijayakumar Dr. A. Ramalingam Dr. Milind Shrinivas Dangate		HANDY DEVICE FOR FACE DETECTION	351214-001 & 03/12/2021	India	Granted (Design Patent)
6	Dr. N.Danapaquiame, Dr. K. Premkumar, Mr. P.Karthikeyan, Ms. P.Bhavani, Mr. N. Gopinath, Mr. N. Balaji, Ms. V.Swathilakshmi		DECENTRALIZED HEALTH PASSPORT	2021410436 71 A & 27/09/2021	India	Published

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
1	Marie Christina	TCS	3 Months	8/3/2022	30/5/2022
2	David Port Louis A	ZOHO	6 Months	1/11/2021	30/5/2022
3	Karthik Saran B	WIPRO	6 Months	4/3/2022	14/3/2022
4	Saranraj E	WIPRO	8 Months	01/2/2022	10/8/2022
5	Divya. D	VIRTUSA	4 Months	19/1/2022	30/4/2022
6	Divya.G	CTS	6 Months	26/1/2022	15/6/2022
7	Preethi.J	CTS	6 Months	26/1/2022	29/7/2022
8	Mahashwetha. A	CTS	6 Months	26/1/2022	30/7/2022
9	Bharathi.S.P	CTS	4 Months	05/2/2022	31/5/2022
10	Dharakeshwary.G	CTS	6 Months	05/2/2022	04/8/2022
11	Gandrothula Naga Ramya	KAAR technologies	6 Months	16/2/2022	15/8/2022
12	Kaviya.P	CTS	6 Months	05/2/2022	4/8/2022
13	M. Gouri Priya	EXCELACOM	3 Months	01/3/2022	30/6/2022
14	Sivasankari. V	CTS	6 Months	05/2/2022	16/6/2022
15	Subalakshmi. K	CTS	6 Months	05/2/2022	08/7/2022

16	Pooja.R	CTS	6Months	05/2/2022	04/8/2022
17	Kuraloviyam B. A	CTS	6 Months	26/1/2022	30/7/2022
18	Aruneshwar .P	CTS	6 Months	05/2/2022	4/8/2022
19	Samuel Nirmal Raj D	CAPGEMINI	6 Months	17/2/2022	28/5/2022
20	Kanniga Parameswari	CTS	6 Months	05/2/2022	04/8/2022
21	Ramani	KAAR technologies	6 Months	16/2/2022	15/8/2022
22	Shruthi Khambhayta	CTS	6 Months	05/2/2022	08/7/2022
23	Vignesh .R	CTS	6 Months	05/2/2022	08/7/2022
24	Jagadheeswaran.R	CTS	6 Months	05/2/2022	08/7/2022
25	M.Ravina	TCS	4 Months	14/03/2022	27/06/2022
26	S.Madhumitha	CTS	6 Months	12/02/2022	08/07/2022
27	K.Vinotha	CTS	6 Months	05/02/2022	08/07/2022
28	G.Pratheepa	CTS	6 Months	05/02/2022	08/07/2022
29	S. Sneha	KAAR	6 Months	16/02/2022	16/08/2022
30	G.Iyswarya	VIRTUSA	3 Months	05/01/2022	31/03/2022
31	V. Vishnupriya	WIPRO	6 Months	21/02/2022	10/08/2022
32	D.Mathivani	ZOHO	6 Months	21/02/2022	21/07/2022
33	B.Shebu	CTS	6 Months	05/02/2022	08/07/2022
34	S.Vignesh	TCS	4 Months	10/05/2021	31/08/2021
35	S.Suvedha	CTS	6 Months	12/2/2022	04/08/2022
36	Sanofer.M	CTS	6 Months	12/02/2022	04/08/2022
37	Preethi.R	CTS	6 Months	05/02/2022	08/07/2022
38	Sesha Sai Madhav Kalluri	CTS	6 Months	05/02/2022	08/07/2022
39	Srimathi. K	CTS	6 Months	12/02/2022	04/08/2022
40	Sangeetha S	CTS	6 Months	12/02/2022	04/08/2022
41	Gokul Akash.S	CTS	6 Months	05/02/2022	08/07/2022
42	Kailash.G.V	CTS	6 Months	05/02/2022	04/08/2022
43	Manimaran.M	CTS	6 Months	05/02/2022	08/07/2022
44	Fabien Bosco Obrien	CTS	6 Months	05/02/2022	08/07/2022
45	Mohanraj.K	CTS	6 Months	05/02/2022	08/07/2022

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46	Ramachandiran.G	UNISYS	6 Months	29/10/2021	29/04/2022
47	Akashkanna.N	CTS	6 Months	05/02/2022	08/07/2022
48	Venkadesh.A	WIPRO	6 Months	21/02/2022	02/08/2022
49	Anandram.L	WIPRO	6 Months	10/03/2022	10/09/2022
50	Geethanjali. K	CTS	6 Months	5/02 /2022	04/08/2022
51	Meenakshi	ZOHO	7 Months	22/9/2021	22/04/2022
52	B.Nishintha	VIRTUSA	3 Months	5/01 /2022	15/04/2022
53	Nasreen Banu A.K	VIRTUSA	3 Months	5/01 /2023	15/04/2023
54	Janhavi S	CTS	6 Months	5/02 /2022	04/08/2022
55	Jayasri J	CTS	6 Months	5/02 /2022	04/08/2022
56	Bhuvaneshwar.S	CTS	6 Months	12/02/2022	08/08/2022
57	Sanjey Ganessh	CTS	6 Months	12/02/2022	08/08/2022
58	Boopathi. M	CTS	6 Months	12/02/2022	08/08/2022
59	Nemani Imanuel	CTS	6 Months	12/02/2022	08/08/2022
60	Subhasri V	KAAR Technologies	6 Months	16/02/2022	15/08/2022
61	Atchaya N R	KAAR Technologies	6 Months	16/02/2022	15/08/2022
62	Sowndarya Devi. S	KAAR Technologies	6 Months	16/02/2022	15/08/2022
63	Sabarina A	KAAR Technologies	6 Months	16/02/2022	15/08/2022
64	Velvizhi C	KAAR Technologies	6 Months	16/02/2022	15/08/2022
65	Swathy P L	KAAR Technologies	6 Months	16/02/2022	15/08/2022
66	REEMEN. G	KAAR Technologies	6 Months	16/02/2022	15/08/2022
67	Jayaprakash.K	CTS	6 Months	5/02 /2022	5/02 /2022
68	Kiruthiga A	TCS	3 Months	08/03/2022	30/05/2022
69	Rayshma.K	UNISYS	6 Months	29/10/2021	29/04/2022
70	Praveen Kumar.S	UNISYS	6 Months	29/10/2021	29/04/2022
71	Gokul .K	UNISYS	6 Months	29/10/2021	29/04/2022
72	Krithik shankar S	CTS	6 Months	05/02/2022	08/08/2022
73	Manoje	CTS	6 Months	05/02/2022	08/08/2022

73.1   Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research	Duration of the

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			Institute / Partnering Institution	Project (Months)
1	NIL			

73.2 Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
1	iRO Hub Infotech, Cochin	08.04.2022	176	169
2	Nest Institute of Fiber Optics, Cochin	07.04.2022	176	169
3	Iroid Technologies Cochin	08.04.2022	176	170
4	Nest Institute of Fiber Optics, Cochin	07.04.2022	176	170
5	Kaashiv Infotech, Chennai	13.04.2022	179	147

73.3 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1				

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	175
Number of Students opted Higher Studies	-
Number of Entrepreneur	-

7.1 Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1	DAVID PORT LOUIS.A	KAAR	6,50,000
2	RAMANI.S	KAAR	6,50,000
3	MATHIVANI.D	KAAR	6,50,000
4	ATCHAYA. N.R	KAAR	6,50,000
5	REEMEN. G	KAAR	6,50,000
6	SUBHASRI. V	KAAR	6,50,000
7	SWATHY. PL	KAAR	6,50,000
8	VELVIZHI. C	KAAR	6,50,000
9	SOWNDARYADEVI .S	KAAR	6,50,000
10	SABARINA. A	KAAR	6,50,000
11	GANDROTHULA NAGA RAMYA	KAAR	6,50,000
12	SNEHA.S	KAAR	6,50,000
13	KIRUTHIGA. A	TCS Digital	7,00,000
14	MARIE CHRISTINA. S	TCS Digital	7,00,000

15	RAVINA.M	TCS Digital	7,00,000
16	NASREEN BANU. A.K	Unisys	6,50,000
17	PRAVEENKUMAR. S	Unisys	6,50,000
18	RAYSHMA. K	Unisys	6,50,000
19	RAMACHANDIRAN. G	Unisys	6,50,000
20	GOKUL. R	Unisys	6,50,000
21	NEMANI IMANUEL	Unisys	6,50,000
22	SHRUTI N KHAMBHAYTA	CTS GenC Next	6,75,000
23	BALAGURU RAGUPATHI	CTS GenC Elevate	4,25,000
24	SHEBU B	CTS GenC Elevate	4,25,000
25	DAVID PORT LOUIS.A	ZOHO	8,40,000
26	MATHIVANI.D	ZOHO	5,60,000
27	BALAGURU RAGUPATHI	Virtusa	5,00,000
28	SHRUTI N KHAMBHAYTA	Virtusa	5,00,000
29	DIVYA. D	Virtusa	5,00,000
30	MEENAKSHI. N	Virtusa	5,00,000
31	NASREEN BANU. A.K	Virtusa	5,00,000
32	NISHINTHA. B	Virtusa	5,00,000
33	IYSWARYA G	Virtusa	5,00,000
34	VIGNESH.R	CTS GenC	4,00,000
35	JANHAVI S	CTS GenC	4,00,000
36	SANJEY GANESSH. S	CTS GenC	4,00,000
37	DHARAKESHWARY. G	CTS GenC	4,00,000
38	DIVYA. G	CTS GenC	4,00,000
39	JAGADHISWARI.S	CTS GenC	4,00,000
40	KANNIKAPARAMESWARI .R	CTS GenC	4,00,000
41	KAVIYA.P	CTS GenC	4,00,000
42	POOJA. R	CTS GenC	4,00,000
43	SUBALAKSHMI.K	CTS GenC	4,00,000
44	MADHUMITHA.S	CTS GenC	4,00,000
45	FABIEN BOSCO OBRIEN	CTS GenC	4,00,000
46	GOKUL AKASH .S	CTS GenC	4,00,000
47	KAILASH. G.V	CTS GenC	4,00,000
48	MANIMARAN.M	CTS GenC	4,00,000
49	MOHANRAJ.K	CTS GenC	4,00,000
50	PRATHEEPA.G	CTS GenC	4,00,000
51	SANOFER.M	CTS GenC	4,00,000
52	SRIMATHI K	CTS GenC	4,00,000
53	VINOTHA.K	CTS GenC	4,00,000
54	SANGEETHA.S	CTS GenC	4,00,000
55	BHUVANESHWAR. S	CTS GenC	4,00,000
56	GEETHANJALI. K	CTS GenC	4,00,000
57	JAYASRI. J	CTS GenC	4,00,000
58	MANOJ. M	CTS GenC	4,00,000
59	RADJESVARI.S	CTS GenC	4,00,000
60	AKASH KANNA.N	CTS GenC	4,00,000
61	KRITHIK SHANKAR. S	CTS GenC	4,00,000
62	NEMANI IMANUEL	CTS GenC	4,00,000
63	BHARATHI. S.P	CTS GenC	4,00,000

64	JAGADHEESWARAN .R	CTS GenC	4,00,000
65	KURALOVIYAM. B.A	CTS GenC	4,00,000
66	MAHASHWETHA.A	CTS GenC	4,00,000
67	PRAKASH. V	CTS GenC	4,00,000
68	PREETHI.J	CTS GenC	4,00,000
69	SIVASANKARI.V	CTS GenC	4,00,000
70	PREETHI R	CTS GenC	4,00,000
71	SESHA SAI MADHAV KALLURI	CTS GenC	4,00,000
72	SUVEDHA.S	CTS GenC	4,00,000
73	YOKESWARAN. M	CTS GenC	4,00,000
74	BOOPATHI. M	CTS GenC	4,00,000
75	JAYAPRAKASH. K	CTS GenC	4,00,000
76	MADHUMITHA. A	CTS GenC	4,00,000
77	RAYSHMA. K	CTS GenC	4,00,000
78	ARUNESHWAR. P	CTS GenC	4,00,000
79	PRIYADHARSHINI. E	CTS GenC	4,00,000
80	AISHWARYA.S	CTS GenC	4,00,000
81	GANDROTHULA NAGA RAMYA	CTS GenC	4,00,000
82	IYSWARYA G	CTS GenC	4,00,000
83	BHARATHI. S.P	Wipro	3,50,000
84	JAGADHEESWARAN .R	Wipro	3,50,000
85	KURALOVIYAM. B.A	Wipro	3,50,000
86	LAVANYA. N	Wipro	3,50,000
87	MAHASHWETHA.A	Wipro	3,50,000
88	MEGHANA. S	Wipro	3,50,000
89	NITHISHKUMAR .R	Wipro	3,50,000
90	PRAKASH. V	Wipro	3,50,000
91	PREETHI.J	Wipro	3,50,000
92	SADHAM HUSSAIN. A	Wipro	3,50,000
93	SARANRAJ. E	Wipro	3,50,000
94	SIVASANKARI.V	Wipro	3,50,000
95	ANANDRAM.L	Wipro	3,50,000
96	FIDA RABIYA. B.M	Wipro	3,50,000
97	HAEMALATHA S	Wipro	3,50,000
98	IYSWARYA G	Wipro	3,50,000
99	PREETHI R	Wipro	3,50,000
100	RAMACHANDIRAN. G	Wipro	3,50,000
101	SESHA SAI MADHAV KALLURI	Wipro	3,50,000
102	SUVEDHA.S	Wipro	3,50,000
103	VENKADESH. A	Wipro	3,50,000
104	VISHNU PRIYA.V	Wipro	3,50,000
105	YOKESWARAN. M	Wipro	3,50,000
106	JOHN PAUL	Wipro	3,50,000
107	BOOPATHI. M	Wipro	3,50,000
108	JAYAPRAKASH. K	Wipro	3,50,000
109	KAYATHIRI DEVI. P	Wipro	3,50,000
110	MADHUMITHA. A	Wipro	3,50,000
111	PRAVEENKUMAR. S	Wipro	3,50,000
112	RAYSHMA. K	Wipro	3,50,000

113	PRIYADHARSHINI. E	Wipro	3,50,000
114	SNEHA.S	Wipro	3,50,000
115	KARTHIK SARAN.B	Wipro	3,50,000
116	AISHWARYA.S	TCS Ninja	3,36,000
117	BEZAWADA DIVYASRI CHANDINI PHANI	TCS Ninja	3,36,000
118	KAMALI. R	TCS Ninja	3,36,000
119	MOHANAPRIYA. E	TCS Ninja	3,36,000
120	NANDHINI. P	TCS Ninja	3,36,000
121	SABARINA. A	TCS Ninja	3,36,000
122	THOTA SREE VINYA SRI SRUTHI	TCS Ninja	3,36,000
123	VENNILA.S	TCS Ninja	3,36,000
124	ARUNESHWAR. P	TCS Ninja	3,36,000
125	VIGNESH. S	TCS Ninja	3,36,000
126	SRINIVASAN. G	TCS Ninja	3,36,000
127	SUBHASH. N	TCS Ninja	3,36,000
128	GOKUL. R	TCS Ninja	3,36,000
129	DEEPAK.S	TCS Ninja	3,36,000
130	PRIYADHARSHINI. E	TCS Ninja	3,36,000
131	NAVEEN.N	TCS Ninja	3,36,000
132	RADJESVARI.S	TCS Ninja	3,36,000
133	AKASH KANNA.N	TCS Ninja	3,36,000
134	AKSHYADEVI.T	TCS Ninja	3,36,000
135	SUVATHI V	TCS Ninja	3,36,000
136	KRITHIK SHANKAR. S	TCS Ninja	3,36,000
137	MOHAMED RAFI. S	TCS Ninja	3,36,000
138	NEMANI IMANUEL	TCS Ninja	3,36,000
139	KURALOVIYAM. B.A	TCS Ninja	3,36,000
140	MEGHANA. S	TCS Ninja	3,36,000
141	FIDA RABIYA. B.M	TCS Ninja	3,36,000
142	RAMACHANDIRAN. G	TCS Ninja	3,36,000
143	SUVEDHA.S	TCS Ninja	3,36,000
144	YOKESWARAN. M	TCS Ninja	3,36,000
145	JOHN PAUL	TCS Ninja	3,36,000
146	KAYATHIRI DEVI. P	TCS Ninja	3,36,000
147	MADHUMITHA. A	TCS Ninja	3,36,000
148	PRAVEENKUMAR. S	TCS Ninja	3,36,000
149	RAYSHMA. K	TCS Ninja	3,36,000
150	SNEHA.S	TCS Ninja	3,36,000
151	HARIVENGATESAN. S	TCS Ninja	3,36,000
152	MEGHA.S	Mu Sigma	4,00,000
153	RAMYA. R	Mu Sigma	4,00,000
154	SOBHANA.V	Mu Sigma	4,00,000
155	ANNAMNEEDI. ESWARI DEVI	Mu Sigma	4,00,000
156	KARTHIK BAALAJI. M	Mu Sigma	4,00,000
157	SASIRAGAVI.V	Mu Sigma	4,00,000
158	MOHANAPRIYA. K	Mu Sigma	4,00,000
159	PAVITHRA. P	Mu Sigma	4,00,000
160	GOURIPRIYA.M	Excelacom	3,50,000
161	Sharmila Devi M	TCS Ninja	3,36,000

162	Keerthihaa V	CTS GenC	4,00,000
163	KISHORE RV	Capgemini	3,50,000
164	HARIHARAN.N	Capgemini	3,50,000
165	SAMUEL NIRMAL RAJ.D	Capgemini	3,50,000
166	SATHIYARAJ. C	Tech Mahindra	3,50,000
167	PREMANAYAGI. J	Tech Mahindra	3,50,000
168	NIVETHA. R	Tech Mahindra	3,50,000
169	VISHNU KUMAR. K	Tech Mahindra	3,50,000
170	KALAIVANI R	Chandvel Technologies	3,50,000
171	SATHIYARAJ. C	Wipro	3,50,000
172	YUVANATH.G	Wipro	3,50,000
173	SARAVANAMANIAN. K.R	Wipro	3,50,000
174	PRATIF KUMAR	Wipro	3,50,000
175	KARTHIK BAALAJI. M	NTT Data	4,00,000

7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1	-	-	-

7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
1	-	-	-	-

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1 Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1.	"Aptitude training as a part of Placement activities"	The Institution of Engineers (India)	05.03.2022	Institutional	55 Students
2.	"C programming training as a part of Placement Activities"	The Institution of Engineers (India)	05.03.2022	Institutional	58 Students
3.	"Smart India Hackathon Internal	The Institution of Engineers (India)	07.03.2022	Institutional	35 teams

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		Review"				
4.	"Smart India Hackathon Internal Review"	The Institution of Engineers (India)	07.03.2022	Institutional	37 teams
5.	"Introduction to Cyber Security"	The Institution of Engineers (India)	08.03.2022	Institutional	58 Students
6.	Lecture on "Applications of Calculus and Linear Algebra"	The Institution of Engineers (India)	12.03.2022	Institutional	55 Students
7.	"Slogan Writing Competition" for Water day	The Institution of Engineers (India)	19.03.2022	Institutional	13 Students
8.	"Speech Competition" for Water day	The Institution of Engineers (India)	19.03.2022	Institutional	13 Students
9.	"Essay writing Competition" for Water day	The Institution of Engineers (India)	19.03.2022	Institutional	38 Students
10.	"Seminar on Cyber Security" presented by Cyber Security Club - CSE	The Institution of Engineers (India)	21.03.2022	Institutional	55 Students
11.	"Technical paper presentation" by Cyber Security Club – CSE	The Institution of Engineers (India)	21.03.2022	Institutional	57 Students
12.	"Guest Lecture on 5G technology" by Mr. Aswin B. Tech	The Institution of Engineers (India)	12.04.2022	Institutional	60 students
13.	Cloud Virtualization	Indian Society for Technical Education (ISTE)	04.02.2022	Institutional	60 students
14.	Applications on After Effects	Indian Society for Technical Education (ISTE)	11.03.2022	Institutional	60 students
15.	Fuzzy Set theory	Indian Society for Technical Education (ISTE)	15.03.2022	Institutional	60 students
16.	Management in Agile Environment	Indian Society for Technical Education (ISTE)	02.02.2022	Institutional	60 students
17.	Database	Indian Society for Technical	22.02.2022	Institutional	60 students

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	Programming	Education (ISTE)			
18.	Product Architecture	Indian Society for Technical Education (ISTE)	15.03.2022	Institutional	60 students
19.	Mobile Operating Systems	Indian Society for Technical Education (ISTE)	16.02.2022	Institutional	60 students
20.	Modern Engineering Economics	Indian Society for Technical Education (ISTE)	10.02.2022	Institutional	60 students
21.	Phishing Attacks Awareness	Indian Society for Technical Education (ISTE)	09.03.2022	Institutional	60 students

8.2　FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants
1	FDP on " Cyber Security"	ATAL – AICTE – Sri Manakula Vinayagar Engineering College	22.3.21 to 26.03.21	National Level	200
2	FDP on " Machine Learning"	Sri Manakula Vinayagar Engineering College – CSE Dept	15.02.2021 to 19.02.2021	National Level	86
3	FDP on "Image Processing"	Sri Manakula Vinayagar Engineering College – CSE Dept	19.04.2021 to 23.04.2021	National Level	104

SECTION – IX: ACHIEVEMENTS

9.1　Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1	Harish kumar, Suriyaprakash, Hemesh.D	Shooting Ball Chanpionships 2022	Andhrapradesh Shooting Association	3rd prize
2	Ragule.G	National Level Sub Junior Powerlifting 2022	Indian Power Lifting Association	Bronze Medal

S.No	Name of the Team/Student	Event	Organized by	Award
3	Daivil.M and Team	HADTAL Automation Robotic Challenge 2002	Hindustan Institute of Technology and Science	Winner with Cash prize of Rs.27,000/-
4	Daivil.M and Team	The Robotics Club 2022	SRM Institute of Science and Technology	Winner with Cash prize of Rs.11,000/-
5	Sasidharan.J	Valentines Challenge 2022(Endurance Cycling)	Valentines Challenge 2022(Endurance Cycling)	Silver Medal
6	Sasidharan.J	BRM 200KM 2022	Pondy Pedalers Audax Club Parisien, Inter nationally Recognised	Silver Medal
7	Sasidharan.J	Student Ambassador 2022	Omspace Rocket and Space Exploration Ltd.	Internship Offer
8	Trijun M	TECHINQUIST 2022	SMVEC IETE	First Place
9	Sridharshiny	REJOUIR 2022- SOLO Singing	Pondicherry Technological University	First Prize

9.2   Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International   Level bodies

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1	Dr. N. Danapaquiame	Participated as chairperson for valuation Board at Pondicherry university (University Level)
2	Dr.K.Premkumar	Examiner-Valuation
3	Dr. V. Vijayakumar	Examiner-Valuation
4	Dr. P. Iyappan	Examiner-Valuation
5	Dr.M.Ganesan	Examiner-Valuation
6	Mr.P.Karthikeyan	Examiner-Valuation
7	Dr. V. Vijayakumar	Best Mentor Award, Unisys
8	M. Shanmugam	Wipro Certified Faculty
9	Mr.D.Rajesh	Faculty Guide Unisys Cloud 20/20 for the project "Autonomous Medication

		Using ML"
10	Mr.A.Prakash	Faculty Guide in Unisys Cloud 20/20 for the project "Autonomous Medication Using ML"
11	Dr. N. Danapaquiame	The Joy of Computing using Python, NPTEL
12	Dr. P. Iyappan	Python for Data Science, NPTEL
13	Mr. P. Karthikeyan	NPTEL Certification in Big Data Computing
14	Mr. M. Shanmugam	Programming in JAVA, NPTEL
15	Mrs. C. Kalpana	Fundamentals of Artificial intelligence, NPTEL
16	Mrs. P. Bhavani	The Joy of Computing using Python, NPTEL
17	Mr. Rajesh	The joy of computing using python, NPTEL
18	Mr. Arokiaraj St Hubert	DataBase Management System, NPTEL
19	Mr. N. Balaji	The joy of computing using python, NPTEL
20	Dr. K. Premkumar.	ISTE
21	Dr. N. Danapaquiame	ISTE
22	Dr. E. Kodhai	ISTE
23	Dr. P. Iyappan	ISTE
24	Dr. V. Vijayakumar	ISTE
25	Mr. M. Ganesan	ISTE
26	Mr. P. Karthikeyan	ISTE
27	Mr. M. Shanmugam	ISTE
28	Mr. B. Thiyagarajan	ISTE
29	Mr. S. Kumarakrishnan	ISTE
30	Mrs. C. Kalpana	ISTE
31	Mrs. P. Bhavani	ISTE
32	Mr. Arokiaraj St Hubert	ISTE
33	Mrs. Jayanthi.P.R	ISTE

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9.3   Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1	Dr. N. Danapaquiame	Science Publication (Reviewer)
2	Dr. P. Iyappan	Journal of Mobile Multimedia (Reviewer)
3	Dr. P. Iyappan	Journal of Sustainable Computing(Reviewer)
4	Dr.M.Ganesan	Electronic Government, an International Journal (Reviewer)

Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S.No	Name of the Faculty	Name of Awards / Recognition
		Nil

9.4   Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

S.No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1.	Dr. N. Danapaquiame	Idea Generation methods	ICT Academy	6 days
2.	Dr. N. Danapaquiame	Microsoft Azure Fundamentals	ICT Academy	3 days
3.	Dr.P.Iyappan	Idea Generation methods	ICT Academy	6 days
4.	Dr.P.Iyappan	Microsoft Azure Fundamentals	ICT Academy	3 days
5.	Dr. E. Kodhai	Idea Generation methods	ICT Academy	6 days
6.	Dr. E. Kodhai	Microsoft Azure Fundamentals	ICT Academy	3 days
7.	Mr.Arokiaraj christian st hubert	Idea Generation methods	ICT Academy	6 days
8.	Mr.Arokiaraj christian st hubert	Microsoft Azure Fundamentals	ICT Academy	3 days

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit
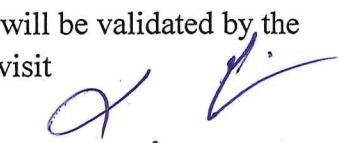
Head of the Department

Recommendations:

Section	Remarks
Curricular Aspects	Nil
Teaching, Learning and Evaluation	Nil
Structured Feedback	NIl
Research, Innovation and Publications	More publications are required
Collaborations and Linkages	Nil
Student Progression	Higher studies students details are not available
Activity Conducted / Organized by the Department	Need to organize more events
Achievements	Nil
General Remarks	Nil

Signature of the Internal Academic Audit Experts

Dr.T.Coumaressin,
Associate Professor/Mech,
Sri Manakula Vinayagar Engineering College.

Dr.S.Ganeshkumaran,
Associate Professor/EEE,
Sri Manakula Vinayagar Engineering College.

SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
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Puducherry - 605 107

NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

INFORMATION TECHNOLOGY

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NAAC
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

(Academic Year 2021-2022)

Internal Audit

SECTION –1: BASIC INFORMATION

Audit Date	10.03.2022		
Name of the Department	Information Technology		
Year of Establishment	1999		
Programs Offered			
	Name of the Program		Approved Intake
	B.Tech (Information Technology)		**180**
	M.Tech (Networking)		**18**
Head of the Department	**Dr.R. Raju, Professor**		
Number of full time Teachers	Professor	**2**	
	Associate Professor	**6**	
	Assistant Professor	**36**	
Number of Technical Staff			
Number of Students	For B.Tech:		For M.Tech

Year	Strength
First Year	**Nil**
Second Year	**160**
Third Year	**161**
Fourth Year	**136**
Total	**457**

Year	Strength
First Year	**0**
Second Year	**1**
Total	**1**

Faculty Student Ratio	**1:15**	

SECTION –2: CURRICULAR ASPECTS

2.1 Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1	Department Academic Calendar	Yes	Department follows the common academic calendar approved by the academic council and distributed through Dean Academics for the UG PG students
2	Faculty Subject Preferences	Yes	A common template is floated among the faculty members to collect their subject preferences and attached
3	Elective choices from the Students	Yes	The process of selection of courses and the supporting documents for the implementation of the process is attached
4	Course allotment to the Faculty	Yes	Course Allotted to the faculty on basis of their course preferences
5	Time Table (UG and PG)	Yes	Follows and adheres to all aspects as per AICTE and institution recommendation
6	Lesson plan for each Course	Yes	Prepared in alignment with the academic calendar.

2.2 **Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs**

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1	Dr.R.Raju	Chairman	-	-
2	Dr.R.Saravanan	Internal Member	Green Computing Vth unit case studies needs to be changed	IV/VII
3	Dr.S.Balaji	Internal Member	Annexure for Internship details to be included	IV/VII
4	Dr.Pushpita Dash	Internal Member	-	-

2.3 **List of Professional Elective Courses offered by the department**

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
1.	III/V	Software Testing	U19ITE51	54
2.	III/V	Data Visualization	U19ITE52	54
3.	III/V	Automation Techniques and Tools - Devops	U19ITE55	53
4.	IV/VII	Software Testing	ITE72	136
5.	IV/VII	Cloud Computing	ITE78	136

2.4 **List of Open Elective Courses offered by Other department**

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
1	III/V	Civil	Disaster Management	U19CEO53	54
2	III/V	ICE	Fuzzy Logic and Neural Networks	U19ICO53	52
3	III/V	AI & DS	Data Science Application of Vision	U19ADO52	55

2.5 **List of Skill Development Courses offered by the department**

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
1.	I/II	Skill Development Course I : Demonstration of Workshop Practices	U20ITS201	160
2	III/V	Skill Development Course 5: Foreign Language/ IELTS-I	U19ITS51	161
3	III/V	Skill Development Course 6 : Presentation Skills Using ICT	U19ITS52	161

2.6 List of Certification Courses offered by the department

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
1.	I/II	Certification Course II: Web Programming - II	U20ITC291	154
2.	III/V	Certification Course III: CCNA - II	U19ITC54	63
3.	III/V	Certification Course III: Android Programming	U19ITC52	98

2.7 List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1	I/II	Environmental Science	U20ITM202	154
2	III/V	Essence of Indian Traditional Knowledge	U20ITM51	161

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1 Course Delivery
Semester – I/II (2020-2024)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1.	U20BST215 Engineering Mathematics – II (Multiple Integrals and Transforms)	Mr. M.Devanathan	60	60	60
2.	U20EST201 Programming in C	Mr.K. Shanmugaraja	45	45	45
		Mrs. S. Ranjitha			
		Mrs. D. Ponguzhali			
3.	U20ITT201 Microprocessors and Microcontrollers	Mr.M. Harikrishnan	45	45	45
		Mrs.Haripriya			
		Dr.K.H. ShakthiMurugan			
4.	U20ITT202 Front End Web Development	Mrs. R. Nivetha	45	45	45
		Mrs. S. Pushpavalli			
		Mrs. S. Vinodhini			
5.	U20ITT203 Computer Organization and Architecture	Mr. K. Sathishkrishna	45	45	45
		Mr. D. Murali			
		Mr. S. Ravivarman			
6.	U20ITT204 Information Systems: Theory and Applications	Mrs. A. Susi	45	45	45
		Mrs. S. Amutha			
		Mr. K. S. Seetharaman			

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S.No	Name of the Course / Code	Name of the Faculty			
7.	U20ESP202 Programming in C Laboratory	Mrs. K. Saktiyavathi Mr. K. Shanmugaraja	30	30	30
		Mrs. S. Ranjitha Mrs. S. Amutha			
		Mr. D. Murali D. Ponguzhali			
8.	U20ITP201 Microprocessors and Microcontrollers Laboratory	Mr.M. Harikrishnan	30	30	30
		Mrs.Haripriya			
		Dr.K.H. ShakthiMurugan			
9.	U20ITP202 Front End Web Development Laboratory	Mrs. A. Susi Mrs. R. Nivetha	30	30	30
		Mrs.K.Anupriya Mrs. S. Pushpavalli			
		Mrs. K. Anupriya Mrs. S. Vinodhini			

Semester – III/V (2019-2023)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1.	U19ITT51 Probability and Statistics	Mr.N.Sathiyaseelan	60	60	60
2.	U19ITT52 Mobile Computing	Mr.V. Vijayakaran	45	45	45
		Mr. K. Loganathan			
		Mr.T.Mugilan			
3.	U19ITT53 Data Warehousing and Data Mining	Mr.P. S. Vijaya Baskaran	45	45	45
		Mrs. S. Sandiya			
		Mrs.N.Kalaiselvi			
4.	U19ITT54 Network Security	Mrs. K. Gowrisubadra	45	45	45
		Mrs. A. Sarkunavathi			
		B.Saraladevi			
5.	U19ITE51 Software Testing	Dr. S. Kalaivany	45	45	45
	U19ITE52 Data Visualization	Dr. S. Artheeswari	45	45	45
	U19ITE55 Automation Techniques and Tools- Dev Ops	Dr. N. Thilagavathi	45	45	45
6.	U19CEO53 Disaster Management	Ms. A. Aswini	45	45	45
	U19ICO53 Fuzzy logic and Neural Networks	Mrs. M. Rekha			

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S.No	Name of the Course / Code	Name of the Faculty			
	U19AD052 Data science Application of Vision	Mr. Prakash			
7.	U19ITP51 Mobile Computing Laboratory	Mr. V. Vijayakaran Mr. K. S. Seetharaman Mr. K. Loganathan Mr. S. Ravivarman Mr. T. Mugilan / Mr. R. Ramji	30	30	30
8.	U19ITP52 Data Warehousing and Data Mining Laboratory	Mr. P. S. Vijaya Baskaran Mr. S. Mohankumar Mrs. S. Sandiya Mr. K. Sathish Krishna Mrs.N.Kalaiselvi Mr. A. Naveen Raj	30	30	30
9.	U19ITP53 Network Security Laboratory	Mrs. K. Gowrisubadra Mrs. R. Vanitha Mrs. A. Sarkunavathi / Mrs. M. Banupriya Mrs. B. Saraladevi Mrs. S. Sandiya	30	30	30
10.	U19ITS52 Skill Development Course 6 : Presentation Skills Using ICT	Mrs. R. Vanitha Mrs. S. Sandiya Mr. P. Shanmugam	30	30	30
11.	U19ITM51 Essence of Indian Traditional Knowledge	Mrs. M. Banupriya Mr. E. Rajkumar Mrs. T. Umapriya	30	30	30

Semester – IV/VII (2018-2022)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1.	ITT71 Mobile Computing	Mrs. E. Poonguzhali Mr R. Suresh	45	45	45
2.	ITT72 Web Services and XML	Dr. M. Rajeswari Mrs. V. Padmapriya	45	45	45
3.	ITT73 Cryptography and Network Security	Mrs. K. Sakthiyavathi Dr. S. Geetha	60	60	60
4.	ITE72 Software Testing	Mr. R. Ramji Mr. S. Mohankumar	45	45	45

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S.No		Faculty		
5.	ITE78 Cloud Computing	Dr. R. Saravanan	45	45	45
		Dr. S. Balaji			
6.	ITP71 Mobile Computing Lab	Mrs. E. Poonguzhali Dr. R. Saravanan	30	30	30
		Mr. R. Suresh Dr. S. Balaji			
7.	ITP72 Web Services and XML Lab	Dr. M. Rajeswari Dr. S. Geetha	30	30	30
		Dr. S. Kalaivany Mrs. V. Padmapriya			
8.	ITP73 Project Phase-I	Dr. R. Raju Dr. T. Vigneswari	30	30	30
		Dr.R.Raju Dr. G. Shanmugasundaram			
9.	ITP74 Seminar	Dr. S. Artheeswari Dr. Pushpita Dash	30	30	30
		Mrs. N. Thilagavathi Mr. E. Rajkumar			
10	ITP75 Industrial Training/ Internship	Mr. R. Suresh	30	30	30

3.2 Use of ICT Tools in Teaching Learning
Semester – I/II (2020-2024)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1.	Mr. M.Devanathan	U20BST215 Engineering Mathematics – II (Multiple Integrals and Transforms)	PPT
2.	Mr.K. Shanmugaraja Mrs. S. Ranjitha Mrs. D. Ponguzhali	U20EST201 Programming in C	PPT
3.	Mr.M. Harikrishnan Mrs.Haripriya Dr.K.H. ShakthiMurugan	U20ITT201 Microprocessors and Microcontrollers	PPT
4.	Mrs. R. Nivetha Mrs. S. Pushpavalli Mrs. S. Vinodhini	U20ITT202 Front End Web Development	PPT
5.	Mr. K. Sathishkrishna Mr. D. Murali Mr. S. Ravivarman	U20ITT203 Computer Organization and Architecture	PPT
6.	Mrs. A. Susi Mrs. S. Amutha Mr. K. S. Seetharaman	U20ITT204 Information Systems: Theory and Applications	PPT
7.	Mrs. K. Saktiyavathi Mr. K. Shanmugaraja Mrs. S. Ranjitha Mrs. S. Amutha Mr. D. Murali D. Ponguzhali	U20ESP202 Programming in C Laboratory	MANUAL/WORKBOOK

8.	Mr.M. Harikrishnan	U20ITP201 Microprocessors and Microcontrollers Laboratory	**MANUAL/WORKBOOK**
	Mrs.Haripriya		
	Dr.K.H. ShakthiMurugan		
9.	Mrs. A. Susi	U20ITP202 Front End Web Development Laboratory	**MANUAL/WORKBOOK**
	Mrs. R. Nivetha		
	Mrs.K.Anupriya		
	Mrs. S. Pushpavalli		
	Mrs. K. Anupriya		
	Mrs. S. Vinodhini		

Semester – III/V (2019-2023)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr.N.Sathiyaseelan	U19ITT51 Probability and Statistics	BlackBoard/PPT
2	Mr.V. Vijayakaran	U19ITT52 Mobile Computing	PPT
	Mr. K. Loganathan		
	Mr.T.Mugilan		
3	Mr.P. S. Vijaya Baskaran	U19ITT53 Data Warehousing and Data Mining	PPT
	Mrs. S. Sandiya		
	Mrs.N.Kalaiselvi		
4	Mrs. K. Gowrisubadra	U19ITT54 Network Security	PPT
	Mrs. A. Sarkunavathi		
	B.Saraladevi		
5	Dr. S. Kalaivany	U19ITE51 Software Testing	PPT
6	Dr. S. Artheeswari	U19ITE52 Data Visualization	PPT
7	Dr. N. Thilagavathi	U19ITE55 Automation Techniques and Tools- Dev Ops	PPT
8	Ms. A. Aswini	U19CEO53 Disaster Management	PPT

9	Mrs. M. Rekha	U19ICO53 Fuzzy logic and Neural Networks	PPT
10	Mr. Prakash	U19ADO52 Data science Application of Vision	PPT
11	Mr. V. Vijayakaran Mr. K. S. Seetharaman Mr. K. Loganathan Mr. S. Ravivarman Mr. T. Mugilan / Mr. R. Ramji	U19ITP51 Mobile Computing Laboratory	MANUAL/WORKBOOK
12	Mr. P. S. Vijaya Baskaran Mr. S. Mohankumar Mrs. S. Sandiya Mr. K. Sathish Krishna Mrs.N.Kalaiselvi Mr. A. Naveen Raj	U19ITP52 Data Warehousing and Data Mining Laboratory	MANUAL/WORKBOOK
13	Mrs. K. Gowrisubadra Mrs. R. Vanitha Mrs. A. Sarkunavathi / Mrs. M. Banupriya Mrs. B. Saraladevi Mrs. S. Sandiya	U19ITP53 Network Security Laboratory	MANUAL/WORKBOOK
14	Mrs. R. Vanitha Mrs. S. Sandiya Mr. P. Shanmugam	U19ITS52 Skill Development Course 6 : Presentation Skills Using ICT	PPT
15	Mrs. M. Banupriya Mr. E. Rajkumar Mrs. T. Umapriya	U19ITM51 Essence of Indian Traditional Knowledge	PPT

Semester – IV/VII (2018-2022)
3.3 List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1	Recent Trends on Crptocurrency	**Mr.K.Palanivel,** Systems Analyst, Pondicherry University, Puducherry	6.11.2021	75
2	Supply chain Management	**Dr.D. Rajaguru,** Assistant Professor, Dept of IT, Institute of Engineering and Technology, Karaikal-609603	6.11.2021	50
3	Automation On Software Testing Using Selenium-Its Need & Importance	**Dr.P.Shanmughapriya,** Saranthan College of Engineering, Trichy.	23.11.2021	68

4	Enhancing Problem Solving Skills	**P.Saravanan,** ManakulaVinayagar Institute of Technology, Puducherry	18.12.2021	50
5	Application of C Programming	**Dr Moses Dian,** MAM College of Engineering and Technology, Trichy.	4.9.2021	50
6	Digital Computer Design	**Dr.S.Sathishkumar** Professor, Department of IT, IFET, Villupuram.	15.9.2021	50
7	Mobile Generations	**Dr.P.Vinoth,** Professor, Department of IT, Sri Krishna Engineering college, Chennai.	21.09.2021	50
8	An introduction to Data visualization	**Mr.AbhishekBarthwal,** Analytics consultant, Business Intelligence Group Quantzig Analytics.	25.9.2021	50
9	Design made simple and understanding for architecture designstudio.	**Dr.M.Sathya,** Assistant Professor Department of CSE, Pondicherry University, Pondicherry.	16.10.2021	50
10	Block chain use case Supply Chain Management	**Naresh Jain,** Co-Founder Snapper Future Tech - Blockchain Technology & Innovation Company	5.2.2022	50
11	Sustainability in the Food and Beverage Industry	**Rajesh Kumar,** Plamthottathil Founder and CEO at TrackGenesis, Certified Blockchain Architect.	21.02.2022	60

3.4 Activities for Slow and Advanced Learners
Semester – I/II (2020-2024)

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1.	U20BST215 Engineering Mathematics – II (Multiple Integrals and Transforms)	Mr.M.Devananthan	Yes	8	Yes
			Yes	8	Yes
			Yes	8	Yes
2.	U20EST201 Programming in C	Mr.K. Shanmugaraja	Yes	8	Yes
		Mrs. S. Ranjitha	Yes	8	Yes
		Mrs. D. Ponguzhali	Yes	8	Yes
3.	U20ITT201 Microprocessors and Microcontrollers	Mr.M. Harikrishnan	Yes	8	Yes
		Mrs.Haripriya	Yes	8	Yes
		Dr.K.H. ShakthiMurugan	Yes	8	Yes

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4.	U20ITT202 Front End Web Development	Mrs. R. Nivetha	Yes	8	Yes
		Mrs. S. Pushpavalli	Yes	8	Yes
		Mrs. S. Vinodhini	Yes	8	Yes
5.	U20ITT203 Computer Organization and Architecture	Mr. K. Sathishkrishna	Yes	8	Yes
		Mr. D. Murali	Yes	8	Yes
		Mr. S. Ravivarman	Yes	8	Yes
6.	U20ITT204 Information Systems: Theory and Applications	Mrs. A. Susi	Yes	8	Yes
		Mrs. S. Amutha	Yes	8	Yes
		Mr. K. S. Seetharaman	Yes	8	Yes

Semester – III/V (2019-2023)

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1.	U19ITT51 Probability and Statistics	Mr.N.Sathiyaseelan	Yes	8	Yes
2.	U19ITT52 Mobile Computing	Mr.V. Vijayakaran	Yes	8	Yes
		Mr. K. Loganathan	Yes	8	Yes
		Mr.T.Mugilan	Yes	8	Yes
3.	U19ITT53 Data Warehousing and Data Mining	Mr.P. S. Vijaya Baskaran	Yes	8	Yes
		Mrs. S. Sandiya	Yes	8	Yes
		Mrs.N.Kalaiselvi	Yes	8	Yes
4.	U19ITT54 Network Security	Mrs. K. Gowrisubadra	Yes	8	Yes
		Mrs. A. Sarkunavathi	Yes	8	Yes
		B.Saraladevi	Yes	8	Yes
5.	U19ITE51 Software Testing	Dr. S. Kalaivany	Yes	8	Yes
	U19ITE52 Data Visualization	Dr. S. Artheeswari	Yes	8	Yes
	U19ITE55 Automation Techniques and Tools- Dev Ops	Dr. N. Thilagavathi	Yes	8	Yes
6.	U19CEO53 Disaster Management	Ms. A. Aswini	Yes	8	Yes
	U19ICO53 Fuzzy logic and Neural Networks	Mrs. M. Rekha	Yes	8	Yes
	U19ADO52 Data science Application of Vision	Mr. Prakash	Yes	8	Yes

Semester – IV/VII (2018-2022)

S.No	Name of the Course / Code	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1.	ITT71 Mobile Computing	Mrs. E. Poonguzhali	Yes	8	Yes
		Mr.R. Suresh	Yes	8	Yes
2.	ITT72 Web Services and Xml	Dr. M. Rajeswari	Yes	8	Yes
		Mrs. V. Padmapriya	Yes	8	Yes
3.	ITT73 Cryptography and Network Security	Mrs. K. Sakthiyavathi	Yes	8	Yes
		Dr. S. Geetha	Yes	8	Yes
4.	ITE72 SoftwareTesting	Mr. R. Ramji	Yes	8	Yes
		Mr. S. Mohankumar	Yes	8	Yes
5.	ITE78 Cloud Computing	Dr. R. Saravanan	Yes	8	Yes
		Dr. S. Balaji	Yes	8	Yes

3.3   Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	Mentors assigned to students remain the same until completion of the course.
2	Class wise student Profile Record Maintained.	Yes	Available and verified
3	Mentor – Mentee Session Record Maintained.	Yes	Available and verified

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
457	44	1:15

3.4   Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	Sample answer scripts are maintained or each course. Tests conducted in Online was done through Google classroom and sample of the scanned copy is available
2	Seminar / Project Review Record	Yes	Seminar topics assigned are recent and appropriate. Reports are maintained and verified
3	End Semester Examination Record	Yes	Photo copies of the mark sheets and galley sheets are maintained and verified
4	Student Grade Report	Yes	Available and Verified

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3.5 Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	Feedback received from all stakeholders and has followed the procedure as per NBA requirements
2	Correlation of COs with POs and PSOs for each Course	Yes	The correlation table and justification stated has been verified and found satisfactory
3	Course Outcome Attainment Calculated	Yes	**Mention the target:** ➢ For the final year (18-22 batch) the set attainment level is 58% of students to secure B grade and above. ➢ For the third year (19-23 batch) the set attainment level is 55% of students to secure B grade and above. ➢ For the Second year (20-24 batch) the set attainment level is 58% of students to secure C grade and above.
4	PSO and PO attainment through CO	Yes	The relevant files are available and one course has been completely verified

3.6 Student Performance in End Semester Examination

Semester – I/II (2020-2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	154	
2	Number of All Clear Students	139	
3	Number of Students passed with Distinction	-	
4	Number of Students passed with First Class	-	
5	Number of Students passed with Second Class	-	
6	Number of Students Failed	15	
7	Passing Percentage	90%	

Semester – III/V (2019-2023)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	161	
2	Number of All Clear Students	148	
3	Number of Students passed with Distinction	-	
4	Number of Students passed with First Class	-	
5	Number of Students passed with Second Class	-	
6	Number of Students Failed	13	
7	Passing Percentage	92%	

Semester – IV/VII (2018-2022)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	136	

2	Number of All Clear Students		132	
3	Number of Students passed with Distinction		-	
4	Number of Students passed with First Class		-	
5	Number of Students passed with Second Class		-	
6	Number of Students Failed		4	
7	Passing Percentage		97%	

SECTION – IV: STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report.	Yes	457	QCM conducted regularly and action taken report has been attached and verified.
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report.	Yes		Remedial measures were taken based on feedback given by the parents.
3	Student Exit Survey conducted and Analyzed.	No		Based on the Analysis of graduate exit survey, the faculty member is advised to improve on low indicators.
4	Alumni Feedback conducted and Analyzed.	No		Alumni have been actively involved in all aspects of the department and students. Action taken report is verified.

SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS

5.1 Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
1	NIL				

5.2 Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consultancy
1	Dr.R.Raju	Software	Dizitive IT solutions	Rs.3,00,000/-	6 Months
2	Mr.R.Suresh	Software	Foundation for Advancement of Education and Research	Rs.1,50,000/-	6 Months
3	Mrs.N.Kalaiselvi	Software	BIZTURN	Rs.1,50,000/-	6 Months

5.3 Faculty Publications
Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Impact Factors
1	2018-2019	10	10	26	2	0.6595
2	2019-2020	43	32	10	4	3.3648

3	2020-2021	17	15	5	4	2.5336
4	2021-2022	7	6	10	2	1.4325

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	1
Number of Publication in International Journals	6
Number of Publication in National Conferences	1
Number of Publication in International Conferences	3
Number of Books / Book Chapters	2
Number of Patent (Filed)	-
Number of Patents Granted	4
Number of Design Patent (Filed)	-
Number of Design Patent Granted	2

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
1	NIL			

International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	Squirrel Search Optimization-Based Cluster Head Selection Technique for Prolonging Lifetime in WSN's	N. Arunachalam G.Shanmugasundaram R. Arvind	Wireless Personal Communications	121(4), pp. 2681–2698, 2021	SCI (Impact Factor 1.6)
2	Classification of Retinal Diseases from OCT images using 2DConvolutional Neural Networks	Dr Puspita Dash	International Journal of Future Generation Communication and Networking	14(1), pp.5049-5060,2021	ESCI (Web of Science) (Impact Factor 0.153)
3	Flower Pollination Algorithm with Powell's Method for the Minimum Energy Broadcast Problem in Wireless Sensor Network	RajeswariM ThirugnanasambandaM K Raghav R.S	Wireless personal Communications	119(2/), pp.1111-1135/2021	SCI (Impact Factor 1.6)

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	Protection against child and women abusing using IoT sensors and E_Tattoos	T.Umapriya	National Conference on Innovation, Technology & Sociology (NCITS 2021)	National Conference on Innovation, Technology & Sociology (NCITS-2K21)		Nehru College of Engineering & Research Centre,Pampady, Thiruvilwamala, Thrissur,Kerala

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International Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	Excess Charge Controller Using IOT	R.Suresh	4th IEEE International Conference on System, Computation, Automation and Networking (ICSCAN'21)	4th IEEE International Conference on System, Computation, Automation and Networking (ICSCAN'21)	ISBN:978-1-6654-3987-9	IEEE
2	Classification of Retinal Diseases from OCT images using 2D-Convolutional Neural Network	Dr. Puspita Dash	Virtual International Conference on Advanced in Computer Science and Technologies (ICACST-21)	International Conference on Advanced Computer Science and Technologies (ICACST 2021)	ISBN: 978-93-5578-005-8	SRM Institute of Science and Technology, Bharathi Salai, Ramapuram, Chennai
3	Detection Of DME In OCT Images Based On Histogram Descriptor	Dr. Puspita Dash	International Conference on Emerging Electronics and Automation (E2A-2021)	International Conference on Emerging Electronics and Automation (E2A-2021)		Springer

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	A Novel Adaptive Authentication Scheme for Securing Medical Information Stored in Clouds	N. Moganarangan; N. Palanivel; S. Balaji	9788770 224147	River Publishers
2	Foundation for Advancement ofEducation and Research, G5, Swiss Complex, 33, Race Course Road,Bengaluru - 560001	R. Suresh, Ayesha Chithicka U Indumathi A AnandhaPriyadharshini V	4788RT T02147	McAfee

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1	Dr.S.Geetha	Dr.S.Geetha Dr.R.Raju Dr.C.Punitha Devi Dr.G.Shanmugasundaram Dr.T.Vigneswari Dr.S.Balaji Dr.R.Saravanan Mr.R.Suresh Mrs.N.Kalaiselvi	The Smart AgroBOT	16.7.21/ Appl. No. 202141030095	India	Published

Design Patent (On Progress Design Patent Details Can Provide)

S.No	Design number	Publication Date	Title of the invention	Name of Inventor	The Patent Office Journal No
1.	350544-001	10.12.2021	Accident notifying device for vehicles	1. SMVEC 2.Dr.R.RAJU 3.Dr.S.GEETHA 4.N.KALAISELVI	50/2021
2.	350940-001	10.12.2021	Accident notifying system for vehicles	1. SMVEC 2.Dr.R.RAJU 3.Dr.S.GEETHA 4.N.KALAISELVI	50/2021

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
1.	MANOJ KUMAR R S	UNISYS	1 year	29.10.2021	30.10.2022
2.	RESHMA BANU.R	UNISYS	1 year	29.10.2021	30.10.2022
3.	SEJIDHA.M	UNISYS	1 year	29.10.2021	30.10.2022
4.	SIVA RAM MURUGAN. M	UNISYS	1 year	29.10.2021	30.10.2022
5.	THEERAJ KUMAR K	UNISYS	1 year	29.10.2021	30.10.2022

6.2 Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
1.	C&I AI/ML sol development	Manoj Kumar R S	Unisys Bangalore	6 Months
2.	U Pass Cloud Management	Reshma Banu.R	Unisys Bangalore	6 Months
3.	ServiceNow Orchestration	Sejidha.M	Unisys Bangalore	6 Months
4.	Accelerators Cloud Service Platform	SivaramMurugan	Unisys Bangalore	6 Months
5.	C&I AI/ML sol development	TheerajKumarK	Unisys Bangalore	6 Months

6.3 Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
1.	Nil			

6.4   Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1.	LagozonEdutech Private Limited	25-08-2021	Student Internships, Consultancy work and Implant Training	2 Years
2.	Bizturn Technologies Private Limited	26-08-2021	Student Internships, Consultancy work and Implant Training	2 Years

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	70
Number of Students opted Higher Studies	
Number of Entrepreneur	-

7.1   Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1.	MANOJ KUMAR R S	UNISYS	Rs 8,50,000
2.	RESHMA BANU.R	UNISYS	Rs 8,50,000
3.	SEJIDHA.M	UNISYS	Rs 8,50,000
4.	SIVARAM MURUGAN	UNISYS	Rs 8,50,000
5.	THEERAJ KUMAR K	UNISYS	Rs 8,50,000
6.	DEEPIKHA. T	TCS Digital	Rs 7,00,022
7.	DEEPIKHA. T	ZOHO	Rs 7,00,000
8.	NITHIYA K	KAAR	Rs 6,50,000
9.	SHARAN.S	ZOHO	Rs 4,80,000
10.	YUHAN PRAVEEN	ZOHO	Rs 4,80,000
11.	BALAJI.S	VIRTUSA	Rs 4,50,000
12.	DARWIN J MATHEWS	VIRTUSA	Rs 4,50,000
13.	DEEPIKHA. T	VIRTUSA	Rs 4,50,000
14.	JANANI. R	VIRTUSA	Rs 4,50,000
15.	SIVAPRIYA	VIRTUSA	Rs 4,50,000
16.	ABINAYADASS	CTS Genc	Rs 4,01,988
17.	ABIRAMI.M	CTS Genc	Rs 4,01,988
18.	AJAY KUMAR.V	CTS Genc	Rs 4,01,988
19.	AKSHANA N SHETTY	CTS Genc	Rs 4,01,988
20.	ALWIN GREGORY.C	CTS Genc	Rs 4,01,988
21.	ARIVAZHAGAN.R	CTS Genc	Rs 4,01,988
22.	ARTHI.A	CTS Elevate	Rs 4,01,988
23.	ASVINA S	CTS Genc	Rs 4,01,988
24.	BALAJI.S	CTS Elevate	Rs 4,01,988
25.	ELAKKIYA.K	CTS Genc	Rs 4,01,988
26.	GAYATHRI A	CTS Genc	Rs 4,01,988
27.	GOKULADEVI.R	CTS Genc	Rs 4,01,988
28.	HARIHARAN D	CTS Genc	Rs 4,01,988
29.	HARITHA G	CTS Genc	Rs 4,01,988
30.	HUMAIRA BEGAM. A	CTS Genc	Rs 4,01,988
31.	ILAKIIAN. K.R	CTS Genc	Rs 4,01,988
32.	ILANSURIYAN.I	CTS Genc	Rs 4,01,988
33.	JAGATHESHWARI.T	CTS Genc	Rs 4,01,988
34.	KALPANA DEVI.K	CTS Genc	Rs 4,01,988
35.	KAVIYA U	CTS Genc	Rs 4,01,988
36.	KEERTHANAA.P	CTS Genc	Rs 4,01,988

37.	KEERTHIGA.R	CTS Genc	Rs 4,01,988	
38.	LAKSHMI.B	CTS Genc	Rs 4,01,988	
39.	MADHUMITHA.M	CTS Elevate	Rs 4,01,988	
40.	MANOJ KUMAR R S	CTS Genc	Rs 4,01,988	
41.	MANOJ S	CTS Genc	Rs 4,01,988	
42.	NIRANJAN.K	CTS Genc	Rs 4,01,988	
43.	PADMASUNDAR. V	CTS Elevate	Rs 4,01,988	
44.	PAVITHRA S	CTS Genc	Rs 4,01,988	
45.	PRAVEEN YADAOVE. G	CTS Genc	Rs 4,01,988	
46.	PRIYADHARSHINI V R	CTS Genc	Rs 4,01,988	
47.	RESHMA BANU.R	CTS Elevate	Rs 4,01,988	
48.	RISHWANA.J	CTS Genc	Rs 4,01,988	
49.	ROHAN.P	CTS Genc	Rs 4,01,988	
50.	SALMA N FATHIMA	CTS Genc	Rs 4,01,988	
51.	SANTHOSH.G	CTS Genc	Rs 4,01,988	
52.	SEJIDHA.M	CTS Elevate	Rs 4,01,988	
53.	SHANMUGA PERUMAL	CTS Elevate	Rs 4,01,988	
54.	SRUTHI.M	CTS Genc	Rs 4,01,988	
55.	SUDHARSAN.S	CTS Genc	Rs 4,01,988	
56.	SUPRAJA.B	CTS Genc	Rs 4,01,988	
57.	SUSANNA	CTS Genc	Rs 4,01,988	
58.	THEERAJ KUMAR K	CTS Genc	Rs 4,01,988	
59.	GOPALAKRISHNAN GSR	CAPGEMINI	Rs 4,00,000	
60.	KARTHIKEYAN V	CAPGEMINI	Rs 4,00,000	
61.	RAKSHA	CAPGEMINI	Rs 4,00,000	
62.	SACHEEN	Tech Manhendra	Rs 4,00,000	
63.	SRIMATHI	CAPGEMINI	Rs 4,00,000	
64.	SURYA	Tech Manhendra	Rs 4,00,000	
65.	YUHAN PRAVEEN	CAPGEMINI	Rs 4,00,000	
66.	SANJAI KUMAR M	ADROIT SOFT	Rs 3,00,000	
67.	VIVEK K	SUPPORT STUDIO	Rs 3,00,000	
68.	YUVARAJ G	SUPPORT STUDIO	Rs 3,00,000	
69.	NARMATHA B	APPASAMY	Rs 2,50,000	
70.	VINDHIYA	PONDY BIZZ	RS 2,50,000	

7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1.	NIL		

7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
1	NIL			

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1 Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants
1.	Cyber Security	Department	24.06.2021	State	100
2.	Java Programming	Department	30.07.2021	State	110

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3.	Wireless Networking Devices	Department	13.08.2021	State	120
4.	Text And Image Processing Using Deep Learning.	Department	27.08.2021	State	150
5.	Python Programming	Department	09.09.2021		
6.	Li-Fi Technology	Department	18.09.2021	State	161
7.	Iot and Its Application	Department	01.10.2021	State	100
8.	MANET	Department	16.10.2021	State	161
9.	Fog Computing	Department	30.10.2021	State	150
10.	Emerging Hands On Session Aws in Cloud Computing	Department	13.11.2021	State	150
11.	Cisco IOS Firewall	Department	27.11.2021	State	150
12.	Night Vision Technology	Department	11.12.2021	State	150
13.	Cloud Storage	Department	15.06.2021	State	161
14.	Introduction to Blockchain	Department	23.07.2021	State	100
15.	Crypto Currency	Department	06.08.2021	State	161
16.	Artificial Intelligence and Deep Learning	Department	20.08.2021	State	150
17.	Bootstrap	Department	03.09.2021	State	150
18.	Chatbot for Business Organization	Department	17.09.2021	State	150
19.	Data Science and Big Data Analytics	Department	30.09.2021	State	150
20.	Mind-Reading Computer	Department	09.10.2021	State	150
21.	Zigbee Technology	Department	23.10.2021	State	150
22.	Cluster Computing	Department	06.11.2021	State	150
23.	Brain Fingerprinting	Department	20.11.2021	State	161
24.	Real Time Application Interface	Department	08.12.2021	State	100

8.2 FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter/Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1	NIL				

SECTION – IX: ACHIEVEMENTS

9.1   Awards and Prizes Received by Students

S. No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1.	Atchudhan S	National Level Hardware Hackathon	Walchand institute of technology, solapur	1st Prize (Rs.10000)
2.	Saiprasad.J,Swetha.R,Harithaa.S,Manyam - II Yr	Unisys Cloud 2020	Unisys, Bangalore	Finalist Certificate
3.	Abinayadass. R - III Yr Sreeparvathy .V.S -III Yr Arthi. A - III Yr Ashok . K - II Yr	Unisys Cloud 2020	Unisys,Bangalore	Finalist Certificate
4.	Manyam Sri Hari Priya	YUVA Innovators Challenge	YUVA Incubated, powered by Innothon	Participation
5.	Manyam Sri Hari Priya	National Level Technical Symposium: MITILENCE	ManakulaVinayagar Institute of Technology	2nd prize
6.	Shruthi.R	CII Puducherry Innovation Contest	CII Puducherry	Top 10 Team
7.	Jeyasri.S.V	CII Puducherry Innovation Contest	CII Puducherry	Top 10 Team
8.	Meena.L	CII Puducherry Innovation Contest	CII Puducherry	Completed
9.	Vishwaraj.E	CII Puducherry Innovation Contest	CII Puducherry	Completed
10.	Atchudhan S	Virtusa	E-box Virtusa	Participation
11.	Sreeparvathy	Unisys cloud 20/20	UNISYS	Finalist Pre-Finalist
12.	Sreeparvathy	YUVA Innovators Challenge	YUVA Incubated, powered by Innothon	Completed Top 30
13.	Harithaa.S	Unisys India Recognizes	UNISYS	Completed
14.	Ashok.K	Unisys Cloud 20/20	UNISYS	Pre-Finalist Finalist
15.	Ashok.K	YUVA Innovators Challenge	YUVA Incubated, powered by Innothon	Completed
16.	Swapna.G	Quizzards of Code	Dare 2 Compete contest	participation
17.	Swapna.G	Sociothon 2.0	Dare 2 Compete contest	participation
18.	Haritha.K	Digital India Quiz	Ministry of Information Technology	Participation
19.	Jeevidha.R	Topcoders21	Virtusa and TiE	Participation

			Coimbatore	
20.	Dharshini.P	Topcoders22	Virtusa and TiE Coimbatore	Participation
21.	Saifaris	Topcoders23	Virtusa and TiE Coimbatore	Participation
22.	Avinash	Topcoders24	Virtusa and TiE Coimbatore	Participation
23.	Logesh Varman	YUVA innovative challenge	YUVA	Participation

9.2 **Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies**

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1.	Mr. R. Suresh	Mentor/ Unisys Cloud 20/20
2.	Mr. R. Suresh	Mentor/ Virtusa Jatayu, Innovation Cell
3.	Mr. R. Suresh	Coordinator and Mentor/ SMART INDIA HACKATHON

9.3 **Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers**

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1.	Dr. R.Raju	Evaluator/ Toycathon,Innovation Cell | Ministry of Education, Govt. of India /2021
2.	MrR.Suresh	Evaluator/ Toycathon,Innovation Cell | Ministry of Education, Govt. of India /2021
3.	Dr.T. Vigneswari	Chair Person and Evaluator/ Toycathon,Innovation Cell | Ministry of Education, Govt. of India /2021

9.4 **Awards / Prizes and Recognitions received by teachers at University, State, National and International Level**

S.No	Name of the Faculty	Name of Awards / Recognition
1.	Dr. R.Raju	Mentor/ Toycathon,Innovation Cell | Ministry of Education, Govt. of India /2021
2.	Mr. R. Suresh	Mentor/ Toycathon / 2021
3.	Mr. R. Suresh	Mentor/ UNISYS CLOUD 20/20 / 2020
4.	Mr. R. Suresh	Coordinator and Mentor/ SMART INDIA HACKATHON / 2020

9.5 **Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level**

S.No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1.	Dr.R.Raju	Data Science in IoT	ATAL, FDP, KIIT	5
2.	Dr.R.Raju	Towards 5G & Beyond with IoT and Machine Learning	ATAL,School of Engineering and Technology,Central University of Haryana	5

3.	Dr.R.Raju	Block chain Technology	ATAL, Government College of Engineering, Dharmapuri	5
4.	Dr.C.Punitha Devi	Data Science in IoT	ATAL, FDP, KIIT	5
5.	Dr.C.Punitha Devi	Towards 5G & Beyond with IoT and Machine Learning	ATAL, FDP, School of Engineering and Technology,Central University of Haryana	5
6.	Dr.C.Punitha Devi	Block chain Technology	ATAL, FDP, Government College of Engineering, Dharmapuri	5
7.	Dr.C.Punitha Devi	Blockchain Analytics and Big data - The future of Business Process	ATAL, FDP, Central University of Tamil Nadu.	5
8.	Dr.T.Vigneswari	Data Science in IoT	ATAL, FDP, KIIT	5
9.	Dr.T.Vigneswari	Online Orientation Training program for Mentors	AICTE, NITTTR, Chennai	5
10.	Dr.S.Geetha	Cyber Crimes,Defensive Practices and Safe Computing	ATAL FDP, PEC	5
11.	Dr.S.Geetha	Predictive Intelligence Models and its applications	ATA FDP, National Engineering College	5
12.	Dr.S.Geetha	Data Science	ATAL FDP, PEC, Punjab	5
13.	Dr.S.Geetha	Data Science and Machine Learning	STTP, AICTE, NIT, Kolkata	5
14.	Dr.S.Geetha	Online Orientation Training program for Mentors	AICTE, NITTTR, Chennai	5
15.	Dr.S.Geetha	Inculcating Universal Human Values in Technical Education	AICTE, New Delhi	5
16.	Dr.S.Geetha	Blockchain Analytics and Big data - The future of Business Process	ATAL, FDP, Central University of Tamil Nadu.	5
17.	Dr.S. Kalaivany	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
18.	Dr.S. Artheeswari	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
19.	Dr. N. Thilagavathi	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
20.	Mr.R.Suresh	Deep learning for computer vision	ATAL, FDP, KIET GROUP OF INSTITUTIONS	5
21.	Mr.R.Suresh	Recent Trends In Digital Image Processing	ATAL, FDP, Poornima institute of Engg. Technology	5
22.	Mr.R.Suresh	Blockchain	ATAL, FDP, LNMIIT, Jaipur	5

23.	Mr.R.Suresh	Online Orientation Training program for Mentors	AICTE, NITTTR, Chennai	5
24.	Dr.R.Saravanan	Online Orientation Training program for Mentors	AICTE, NITTTR, Chennai	5
25.	Dr.M. Rajeswari	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
26.	V. Padmapriya	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
27.	E. Poonguzhali	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
28.	K.Gowrisubadra	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
29.	P. S. Vijaya Baskaran	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
30.	A.Sarkunavathi	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
31.	Mrs.N.Kalaiselvi	Data Science in IoT	ATAL, FDP, KIIT	5
32.	Mrs.N.Kalaiselvi	Towards 5G & Beyond with IoT and Machine Learning	ATAL, FDP, School of Engineering and Technology,Central University of Haryana	5
33.	Mrs.N.Kalaiselvi	Block chain Technology	ATAL, FDP, Government College of Engineering, Dharmapuri	5
34.	Dr.S.Balaji	Advancements in AI and ML	The Oxford College of Engineering	6
35.	V.Vijaykaran	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
36.	K. Loganathan	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
37.	K.Sandia	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
38.	T. Mugilan	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
39.	B.Saraladevi	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
40.	R.Vanitha	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
41.	M.Banupriya	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
42.	Sandiya.S	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
43.	K.Shanmugaraja	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
44.	Nivetha.R	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
45.	Poonguzhali.D	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
46.	Ranjitha.S	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
47.	S.Pushpavalli	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
48.	Mrs.A.Susi	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15

49.	Mrs.A.Susi	AI and IoT- Based Technology for Precision Farming and Smart Agriculture	ATAI, FDP, KGiSL	5
50.	Mrs.A.Susi	Blockchain	ATAL, FDP, LNMIIT, Jaipur	5
51.	Mrs.S.Amutha	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
52.	Mrs.S.Amutha	EMOTIONAL INTELLIGENCE	ATAL, FDP, NITTTR, Chennai	5
53.	Mrs.S.Amutha	Research Avenues and Challenges in Industry 4.0	ATAL, FDP, R.M.D. ENGINEERING COLLEGE.	5
54.	Mrs.S.Amutha	Human Factors in Software Design	ATAL, FDP, IIITDM Kancheepuram.	5
55.	Mrs.S.Amutha	Soft Computing Techniques and their Applications in Electrical Engineering	ATAL, FDP, National Institute of Technology Patna.	5
56.	Mr.K.S.Seetharaman	Towards 5G & Beyond with IoT and Machine Learning	ATAL, FDP, School of Engineering and Technology, Central University of Haryana.	5
57.	Mr.K.S.Seetharaman	Inculcating Universal Human Values in Technical Education	ATAL,AICTE FDP,Nelson Mandela Marg, Vasant Kunj, New Delhi	5
58.	S.Ravivarman	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
59.	R.Ramji	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
60.	Naveenraj A	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
61.	Mohan Kumar S	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
62.	Sathish Krishna K	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
63.	Mrs.K.Sakthiyavathi	Personal Effectiveness	Govt. Engineering College, Thrissur.	5
64.	Mrs.K.Sakthiyavathi	Towards 5G & Beyond with IoT and Machine Learning	School of Engineering and Technology, Central University of Haryana.	5
65.	Mrs.K.Sakthiyavathi	Blockchain: A Disruptive Technology"	Pandit Deendayal Energy University	5
66.	Mrs.K.Sakthiyavathi	Inculcating Universal Human Values in Technical Education	ATAL,AICTE FDP,Nelson Mandela Marg, Vasant Kunj, New Delhi	5
67.	Mrs.K.Sakthiyavathi	Emerging Trends in Information Technology	Mailam Engineering College, Villupuram	5
68.	D. Murali	Research perspective on AI,ML, Data Science & IOT	FDP, KL University	15
69.	Mr.E.RajKumar	Signal Processing for 5G and IoT"	ATAL, AICTE, FDP, Indian Institute of Information Technology Kalyani.	5

70.	Mr.E.RajKumar	Cryptocurrency and Blockchain Technology"	ATAL, AICTE, FDP, Punjab Engineering College	5
71.	Dr.Puspita Dash	Artificial intelligence and geospatial technology in Surveillance for infectious disease	ATAL,AICTE,FDP, KCG College of Technology.	5
72.	Dr.Puspita Dash	Signal Processing for 5G and IoT	ATAL, AICTE, FDP, Indian Institute of Information Technology Kalyani.	5
73.	Dr.Puspita Dash	Application of AI, ML and DL in Smart Healthcare	Maulana Abul kalam Azad University of Technology, WB	5
74.	Mrs.K.Anupriya	Signal Processing for 5G and IoT"	ATAL, AICTE, FDP, Indian Institute of Information Technology Kalyani.	5
75.	Mrs.K.Anupriya	Cryptocurrency and Blockchain Technology"	ATAL, AICTE,FDP, Punjab Engineering College	5
76.	Mrs.K.Anupriya	Data Science for Engineers	NPTEL FDP	8 Weeks
77.	K.S.Seetharaman	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
78.	M.Lakshmiprabha	Artificial Intelligence (AI) Enabled Translational Research in Health Informatics	ManakulaVinayagarInstitue of Technology & JIPMER	5
79.	T. Umapriya	Artificial Intelligence (AI) Enabled Translational Research in Health Informatics	ManakulaVinayagarInstitue of Technology & JIPMER	5
80.	Dr.S. Kalaivany	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
81.	Dr.S. Artheeswari	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
82.	Dr. N. Thilagavathi	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
83.	Dr.M. Rajeswari	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	
84.	V. Padmapriya	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
85.	E. Poonguzhali	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
86.	Gowrisubadra. K	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
87.	P. S. Vijaya Baskaran	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5

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88.	A.Sarkunavathi	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
89.	V.Vijaykaran	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
90.	K. Loganathan	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
91.	K.Sandia	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
92.	T. Mugilan	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
93.	B.Saraladevi	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
94.	R.Vanitha	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
95.	M.Banupriya	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
96.	Sandiya.S	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
97.	K.Shanmugaraja	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
98.	Nivetha.R	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
99.	Poonguzhali.D	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
100.	Ranjitha.S	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
101.	S.Pushpavalli	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
102.	S.Ravivarman	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
103.	R.Ramji	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
104.	D. Murali	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
105.	Naveenraj A	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5

106.	Mohan Kumar S	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
107.	Sathish Krishna K	Insights of Research in Image and Video Processing	Pimpri Chinchwad College of Engineering, Pune	5
108.	G.Prabu	Microsoft Azure Data Fundamentals	ICT Academy	3
109.	G.Prabu	Advanced Engineering ApplicationDevelopement	Vellore Institute of Technology	2

Declaration by HoD

    I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit

Head of the Department

Recommendations:

Section	Remarks
Curricular Aspects	All relevant documents are verified
Teaching, Learning and Evaluation	All relevant documents are verified
Structured Feedback	All relevant documents are verified
Research, Innovation and Publications	Need to initiate Research Grant related works in the department
Collaborations and Linkages	All relevant documents are verified
Student Progression	All relevant documents are verified
Activity Conducted / Organized by the Department	A minimum of 2 programme per semester to be organized
Achievements	All relevant documents are verified
General Remarks	Most of the documents are available in the department except the file mentioned above

Signature of the Internal Academic Audit Experts

Dr.T. Coumaressin
Associate Professor
Department of Mechanical Engineering,
SMVEC

Dr.S.Ganeshkumaran
Associate Professor
Department of Electrical and Electronics
Engineering, SMVEC

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ENGINEERING COLLEGE
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Puducherry - 605 107

NAAC
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INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

MECHANICAL ENGINEERING

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NAAC

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

(Academic Year 2021-2022)

Internal Audit

SECTION –1: BASIC INFORMATION

Audit Date	10.03.2022			
Name of the Department	Mechanical Engineering			
Year of Establishment	2008			
Programs Offered				

Name of the Program	Approved Intake
B.Tech Mechanical Engineering	180
M.Tech Manufacturing Engineering	24
Ph.D Mechanical Engineering	Tentative

Head of the Department	Dr.K.Velmurugan			
Number of full time Teachers	Professor	5		
	Associate Professor	12		
	Assistant Professor	41		
Number of Technical Staff	4			
Number of Students	For B.Tech:		For M.Tech	

For B.Tech:		For M.Tech	
Year	Strength	Year	Strength
First Year	132	First Year	8
Second Year	-	Second Year	-
Third Year	160	Total	08
Fourth Year	160		
Total	452		

Faculty Student Ratio	1:15

SECTION –2: CURRICULAR ASPECTS

2.1 Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1	Department Academic Calendar	Yes	
2	Faculty Subject Preferences	Yes	
3	Elective choices from the Students	Yes	
4	Course allotment to the Faculty	Yes	
5	Time Table (UG and PG)	Yes	
6	Lesson plan for each Course	Yes	

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2.2   Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1	Dr. Velmurugan. K	Chairman	B.Tech	
2	Dr. Arivalagar. A.A.	Member	B.Tech	
3	Dr. Sozhamannan.G.G	Member	B.Tech	
4	Dr. Thiyagarajan. A	Member	B.Tech	
5	Dr. Ravi Sankar. R	Member	B.Tech	III / V
6	Dr. Ganesh Kumar. A.G.	Member	B.Tech	III / VI
7	Dr. Hemalatha.K	Member	B.Tech	
8	Dr. Coumaressin.T	Member	B.Tech	
9	Dr. Jayabharathy. S	Member	B.Tech	
10	Mr. Jeyachandran. A	Member	B.Tech	
11	Dr. L. Martin	Member	B.Tech	

2.3   List of Professional Elective Courses offered by the department

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
1	III / V	Powder Metallurgy and Surface Coating	U19MEE52	160
2	III / V	Green Manufacturing	U19MEE53	160
3	III / V	IOT and Smart Manufacturing	U19MEE55	160
4	IV / VII	Solar Power Engineering	MEE76	161

2.4   List of Open Elective Courses offered by Other department

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
1	III / V	IT	Data Structures	U19ITO55	160

2.5   List of Skill Development Courses offered by the department

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
1	III / V	Skill Development Course 5 : Foreign Language/ IELTS -I	U19MES51	160
2	III / V	Skill Development Course : Presentation Skills using ICT	U19MES52	160

2.6   List of Certification Courses offered by the department

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
1	I / II	Python Programming	U20MEC174	132
2	III / V	CATIA	U19MEC53	160

2.7   List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1	I / II	Environmental Science	U20MEM202	132
2	III / V	Essence of Indian Traditional Knowledge	U19MEM51	160

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1   Course Delivery

I Year / II Semester - (2020-2024)

S. No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures/ Practical hours conducted
1	Engineering Mathematics - II (Multiple Integrals and Transforms) / U20BST215	Mr.N.Vijayan	60	60	60
2	Programming in C/ U20EST201	Ms.S.Swetha	45	45	45
3	Manufacturing Processes / U20MET201	Mr.A.Jayachandran Mr. K.Puhazlvanan Mr.K.Prathap	45	45	45
4	Engineering Metallurgy / U20MET202	Dr. A.Thiagarajan Mr. S. Jagan Mr. Azhaguvel	45	45	45
5	Concepts of Engineering Design / U20MET203	Mr.L.Martin Mr.Vigneshwaran Mr.K.Vinoth Kumar	45	45	45
6	Engineering Thermodynamics / U20MET204	Mr.A. Giriprasath Mr. S.Saravanan Mr. K.Ashok Kumar	60	60	60
7	Programming in C Lab /U20ESP202	Ms.S.Swetha	30	30	30
8	Engineering Graphics using AutoCAD / U20ESP212	Mr.P. Sathiaprathap Mr. S. Jagan Mr.K.Prathap	30	30	30
9	Manufacturing Processes Lab / U20MEP201	Mr.A.Jayachandran Mr. K.Puhazlvanan Mr. K.Ashok Kumar	30	30	30

III Year / V Semester - (2019-2023)

S. No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures/ Practical hours conducted
1	Numerical Methods and Statistics / U19MET51	Mr.N.Vijayan	60	60	60
2	Design of Machine Elements / U19MET52	Mr.P. Sathiaprathap Mr. M. Gunasekar Mr. R. Baradhan	60	60	60

S. No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures/ Practical hours conducted
3	Dynamics of Machinery / U19MET53	Dr.K. Hemalatha Mr.P.Jayakumar Mr.S.Jai Ganesh	60	60	60
4	Metrology and Measurement / U19MET54	Mr.P.Kalaimaran Mr.V.Ashok Kumar Mr.R.Ragul Gandhi	45	45	45
5	Professional Elective - II Green Manufacturing / U19MEE53 Fluid Power Automation / U19MEE54 IOT and Smart Manufacturing / U19MEE55	Mr.T. Kamalakannan Mr.S. Naveen Kumar Mr.V. Viswanath	45	45	45
6	Open Elective – II Data Structures / U19ITO55	Dr.Puspita Das	45	45	45
7	Numerical Methods Lab / U19MEP51	Mr.N.Vijayan Mr.K.Raja	30	30	30
8	Metrology and Measurements Lab / U19MEP52	Mr.P. Sathiaprathap Mr.G.Harish Mr.S.Jai Ganesh	30	30	30
9	Dynamics Lab / U19MEP53	Mr.K.Navanitha Krishnan Mr.S.Arul Pradeep Mr. R. Baradhan	30	30	30
10	CAD/CAM Lab / U19MEP54	Mr. M.Gunasekar Mr.P.Jayakumar Mr.R.Ragul Gandhi	30	30	30

IV Year / VII Semester – (2018-2022)

S. No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures/ Practical hours conducted
1	Computer Aided Design / MET71	Dr.L.Saravanan Mr.R.Hemanth Kumar Mr.G.Harish	45	45	45
2	Industrial Engineering & Management / MET72	Dr.S.Gopalakannan Dr.G.S.Sozhamannan Dr.A.G.Ganesh Kumar	45	45	45
3	Refrigeration, Air Conditioning and Cryogenic Engineering / MET73	Dr.K. Velmurugan Dr.T.Coumaressin Mr.E.Manikandan	45	45	45
4	Solar Power Engineering / MEE76	Dr.J.Pavalavana Pandian Mr. M.Gunasekar Mr.K.Navanitha Krishnan	45	45	45
5	Thermal Engineering Lab-II / MEP71	Dr.J.Pavalavana Pandian Mr.E.Manikandan Mr.M.Santhoshkumar	30	30	30
6	Computer Aided Engineering Lab / MEP72	Dr.L.Saravanan Mr.R.Hemanth Kumar	30	30	30

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		Mr.D.Karunakaran			
7	Comprehensive Viva-Voce / MEP73	Dr.T.Coumaressin Dr.K. Hemalatha Mr.D.Karunakaran	30	30	30
8	Project Work (Phase I) / MEPW7	Dr.G.S.Sozhamannan Dr.A.G.Ganesh Kumar Dr. A.Thiagarajan	30	30	30

3.2 Use of ICT Tools in Teaching Learning

I Year / II Semester - (2020-2024)

S. No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr.N.Vijayan	Engineering Mathematics - II (Multiple Integrals and Transforms) / U20BST215	PPT
2	Ms.S.Swetha	Programming in C / U20EST201	PPT
3	Mr.A.Jayachandran Mr. K.Puhazlvanan Mr.K.Prathap	Manufacturing Processes / U20MET201	PPT, Video
4	Dr. A.Thiagarajan Mr. S. Jagan Mr. Azhaguvel	Engineering Metallurgy / U20MET202	PPT, Video
5	Mr.L.Martin Mr.Vigneshwaran Mr.K.Vinoth Kumar	Concepts of Engineering Design / U20MET203	PPT, Video
6	Mr.A. Giriprasath Mr. S.Saravanan Mr. K.Ashok Kumar	Engineering Thermodynamics / U20MET204	PPT, Video
7	Ms.S.Swetha	Programming in C Lab / U20ESP202	PPT
8	Mr.P. Sathiaprathap Mr. S. Jagan Mr.K.Prathap	Engineering Graphics using AutoCAD / U20ESP212	PPT, Video
9	Mr.A.Jayachandran Mr. K.Puhazlvanan Mr. K.Ashok Kumar	Manufacturing Processes Lab / U20MEP201	PPT, Video

III Year / V Semester - (2019-2023)

S. No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr.N.Vijayan	Numerical Methods and Statistics / U19MET51	PPT
2	Mr. M. Gunasekar Mr.P. Sathiaprathap	Design of Machine Elements / U19MET52	PPT, Video
3	Dr.K. Hemalatha Mr.P.Jayakumar	Dynamics of Machinery / U19MET53	PPT, Video
4	Mr.P. Sathiaprathap Mr.G.Harish	Metrology and Measurement / U19MET54	PPT, Video
5	Mr.M.Santhosh Kumar Mr.S.Arulpradeep Mr.K.Navanitha Krishnan	Professional Elective - II Green Manufacturing / U19MEE53 Fluid Power Automation / U19MEE54 IOT and Smart Manufacturing / U19MEE55	PPT, Video

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6	Dr.Puspita Das	Open Elective – II Data Structures / U19ITO55	PPT
7	Mr.N.Vijayan Mr.K.Raja	Numerical Methods Lab / U19MEP51	PPT
8	Mr.P. Sathiaprathap Mr.G.Harish	Metrology and Measurements Lab / U19MEP52	PPT
9	Mr.K.Navanitha Krishnan Mr.S.Arul Pradeep	Dynamics Lab / U19MEP53	PPT, Video
10	Mr. M.Gunasekar Mr.P.Jayakumar	CAD/CAM Lab / U19MEP54	PPT, Video

IV Year / VII Semester - (2018-2022)

S. No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr.L.Saravanan Mr.R.Hemanth Kumar Mr.G.Harish	Computer Aided Design / MET71	PPT, Video
2	Dr.G.S.Sozhamannan Dr.A.G.Ganesh Kumar Mr.D.Karunakaran	Industrial Engineering & Management / MET72	PPT, Video
3	Mr.E.Manikandan Dr.T.Coumaressin Dr.K. Velmurugan	Refrigeration, Air Conditioning and Cryogenic Engineering / MET73	PPT, Video
4	Mr.K.Navanitha Krishnan Mr. M.Gunasekar Dr.J.Pavalavana Pandian	Solar Power Engineering / MEE76	PPT, Video
5	Mr.M.Santhoshkumar Dr.J.Pavalavana Pandian	Thermal Engineering Lab-II / MEP71	PPT, Video
6	Mr.R.Hemanth Kumar Mr.D.Karunakaran	Computer Aided Engineering Lab / MEP72	PPT, Video
7	Dr.T.Coumaressin Dr.K. Hemalatha	Comprehensive Viva-Voce / MEP73	PPT
8	Dr.G.S.Sozhamannan Dr.A.G.Ganesh Kumar Dr. A.Thiagarajan	Project Work (Phase I) / MEPW7	PPT

3.3   List of Expert Lectures / Workshop Conducted

S. No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1	Automobile Industry	Mr. R.Raja, Two Wheeler Mechanic, Villupuram.	12.06.2021	120
2	Nuclear Power Engineering	Dr. P.R. Ayyappan, Assistant Professor, Dept. of Mechanical Engineering, Kumaraguru College of Technology, Coimbatore.	19.06.2021	120
3	CAD Application	Mr. Ganesh Ravi, CAD Trainer, CADD Centre Training Services P Ltd, Puducherry.	6.06.2021	120
4	Refrigeration and Maintenance Engineering	Mr. Thirukumaran Saravanan, Dept. of Mechanical Engineering,	10.07.2021	120

S.No			Date	
		Assistant Professor, Er. Perumal Manimekalai Engineering, Hosur.		
5	Product Design and Development Engineering	Dr. T. Suresh Kumar Professor, Dept. of Mechanical Engineering, K.S.R. College of Engineering, Tiruchengode.	17.07.2021	60
6	Environmental Engineering	Mr. C. Senthilkumar, Green Enviro Tech, Puducherry.	31.07.2021	120
7	Composite Materials	Mr. C.M. Dinesh, Senior Sales Manager, Raj Decors Pvt. Ltd, Puducherry.	07.08.2021	120
8	Mathematics Applications	Dr. J. Venkatesh, Professor, Sathyabama Institute of Science and Technology, Chennai.	07.08.2021	60
9	Industrial Robotics	Mr.L. Ramachanadran, Exor Robotics Pvt Ltd, Robo Trainer, Puducherry.	14.08.2021	120
10	Measurements	Dr. S. Xavier, Professor, Dept. of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai.	28.08.2021	60
11	Management Tools	Dr, M. SathishKumar, Professor, Dept. of Mechanical Engineering, Amrita School of Engineering, Chennai,	04.09.2021	60
12	Automation in Engineering Business	Dr. G. Murugan, Professor, Dept. of Mechanical Engineering, Annamalai University. Chidambaram.	11.09.2021	60

3.4 Activities for Slow and Advanced Learners
I Year / II Semester – (2020-2024)

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Engineering Mathematics - II (Multiple Integrals and Transforms) / U20BST215	Mr.N.Vijayan	Yes	2	Yes
2	Programming in C / U20EST201	Ms.S.Swetha	Yes	2	Yes

3	Manufacturing Processes / U20MET201	Mr.A.Jayachandran Mr. K.Puhazlvanan Mr.K.Prathap	Yes	2	Yes
4	Engineering Metallurgy / U20MET202	Dr. A.Thiagarajan Mr. S. Jagan Mr. Azhaguvel	Yes	2	Yes
5	Concepts of Engineering Design / U20MET203	Mr.L.Martin Mr.Vigneshwaran Mr.K.Vinoth Kumar	Yes	2	Yes
6	Engineering Thermodynamics / U20MET204	Mr.A. Giriprasath Mr. S.Saravanan Mr. K.Ashok Kumar	Yes	2	Yes

III Year / V Semester - (2019-2023)

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Numerical Methods and Statistics / U19MET51	Mr.N.Vijayan	Yes	2	Yes
2	Design of Machine Elements / U19MET52	Mr. M. Gunasekar Mr.P. Sathiaprathap	Yes	2	Yes
3	Dynamics of Machinery / U19MET53	Dr.K. Hemalatha Mr.P.Jayakumar	Yes	2	Yes
4	Metrology and Measurement / U19MET54	Mr.P. Sathiaprathap Mr.G.Harish	Yes	2	Yes
5	Professional Elective - II Green Manufacturing / U19MEE53 Fluid Power Automation / U19MEE54 IOT and Smart Manufacturing / U19MEE55	Mr.M.Santhosh Kumar Mr.S.Arulpradeep Mr.K.Navanitha Krishnan	Yes	2	Yes
6	Open Elective – II Data Structures / U19ITO55	Dr.Puspita Das	Yes	2	Yes

IV Year / VII Semester - (2018-2022)

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Computer Aided Design / MET71	Dr.L.Saravanan Mr.R.Hemanth Kumar Mr.G.Harish	Yes	2	Yes

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2	Industrial Engineering & Management / MET72	Dr.G.S.Sozhamannan Dr.A.G.Ganesh Kumar Mr.D.Karunakaran	Yes	2	Yes
3	Refrigeration, Air Conditioning and Cryogenic Engineering / MET73	Mr.E.Manikandan Dr.T.Coumaressin Dr.K. Velmurugan	Yes	2	Yes
4	Solar Power Engineering / MEE76	Mr.K.Navanitha Krishnan Mr. M.Gunasekar Dr.J.Pavalavana Pandian	Yes	2	Yes

3.5   Counseling and Mentoring

S. No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Mentor-Mentee system is our integral part. For each mentors 10 students are allotted. The mentor maintains entire details about the students and does periodic counseling.	
2	Class wise student Profile Record Maintained	Class wise student Profile Record Maintained by the class advisor	
3	Mentor – Mentee Session Record Maintained	Mentor – Mentee Session Record Maintained by the mentors	

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
452	58	1:10

3.6   Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	
2	Seminar / Project Review Record	Yes	
3	End Semester Examination Record	Yes	
4	Student Grade Report	Yes	

3.7   Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	
2	Correlation of COs with POs and PSOs for each Course	Yes	
3	Course Outcome Attainment Calculated	Yes	Mention the target: 2.68
4	PSO and PO attainment through CO	Yes	

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3.8 Student Performance in End Semester Examination
I Year / II Semester - (2020-2024)

S. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	132	8
2	Number of All Clear Students	125	8
3	Number of Students passed with Distinction	56	6
4	Number of Students passed with First Class	66	2
5	Number of Students passed with Second Class	3	-
6	Number of Students Failed	7	-
7	Passing Percentage	94.7%	100%

III Year / V Semester - (2019-2023)

S. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	160	-
2	Number of All Clear Students	147	-
3	Number of Students passed with Distinction	48	-
4	Number of Students passed with First Class	98	-
5	Number of Students passed with Second Class	1	-
6	Number of Students Failed	13	-
7	Passing Percentage	91.8%	-

IV Year / VII Semester - (2018-2022)

S. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	160	-
2	Number of All Clear Students	156	-
3	Number of Students passed with Distinction	55	-
4	Number of Students passed with First Class	101	-
5	Number of Students passed with Second Class	-	-
6	Number of Students Failed	4	-
7	Passing Percentage	97.5%	-

SECTION – IV : STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	42	
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	51	
3	Student Exit Survey conducted and Analysed	Yes	161	
4	Alumni Feedback conducted and Analysed	Yes	56	

SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS

5.1 Research Grants, Projects completed and ongoing from various Funding Agencies

S. No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
1	Dr.K.Velmurugan	Machine learning in composite materials	SMV Trust	625,000	2 years
2	Dr.K.Hemalatha	Coin based cell phone charger with Pay System	Fluxtron Technologies, Puducherry	328000	2 years
3	Dr.L.Martin	Prediction of the shear modulus of alloys using machine learning	Multiflex Packagings, Puducherry	180000	8 months
4	Mr.P.Sathiaprathap	Design and fabrication of speed braker power generation	Leo Fasteners, Puducherry	236000	2 years

5.2 Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consultancy
1	Nil				

5.3 Faculty Publications
Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Impact Factor
1	2021-22	-	05	10	-	18.2
2	2020-21	01	25	12	-	12.5
3	2019-20	07	05	10	-	10.5
4	2018-19	03	07	8	-	12

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	-
Number of Publication in International Journals	05
Number of Publication in National Conferences	-
Number of Publication in International Conferences	-
Number of Books / Book Chapters	10
Number of Patent (Filed)	17
Number of Patents Granted	-

National Journal: Nil

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
1				
2				

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International Journal: (2021-22)

Sl. No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, Issue, pp, Year /ISSN	Indexing
1	Performance and Emission Characteristics of Waste Frying Oil Biodiesel Stored Under Optimized Condition	**J. Pavalavana Pandian**, M. Pugazhvadivu, B. Prabu, K. Velmurugan, V.S.K. Venkatachalapathy	Jordan Journal of Mechanical and Industrial Engineering	Vol: 15, Issue: 3, pp: 273-282, Year: 2021/ ISSN: 1995-6665	3
2	Facial Recognition Based Upon the Domestic Security System Using IOT	V Lokeswara Reddy, G Naga Rama Devi, A Prakash, **T Coumaressin**, Sheik Faritha Begum, D Vijendra Babu	Journal of Nuclear Energy Science & Power Generation Technology	Vol: 10, Issue: 9, pp: 1-4, Year: 2021/ ISSN: 2325-9809	5
3	Effect of Amyl alcohol addition in a CI engine with Prosopis juliflora oil – An experimental study	Boopathi Duraisamy, Kandasamy **Velmurugan,** V S Karuppannan Venkatachalapathy, Subramanian Thiyagarajan, Edwin Geo Varuvel	Energy Sources, Part A:Recovery, Utilization, and Environmental Effects	Vol: 24, pp: 1-15, Year: 2021/ ISSN: 1556-7036	4
4	Environment-friendly fuel Cymbopogon flexuosus: Analysis of fuel properties, performance, and emission parameters of a Direct Injection Compression Ignition research engine	Ramalingam, Sathiyamoorthi, Gomathinayagam, Sankaranarayanan, Mani Venkatraman, Dinesh Babu, Munuswamy, **Rajendran Ravisankar**	Heat Transfer	Vol: 50, Issue: 7 pp: 1-39, Year: 2021/ ISSN: 6589-6627	3
5	A Novel Approach to Predict the Fertilizer Content in Sesame Oil	Ravindra Kumar Agarwal, **T.Coumaressin**, Chaganti Leelavathi, Pranitha.P, Aakunuri Manjula, Dillip Narayan Sahu	International Journal of Biology, Pharmacy and allied Science	Vol: 10, Issue: 11, pp: 750-760, Year: 2021/ ISSN: 2277–4998	4

National Conference: Nil

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1						
2						

International Conference: Nil

S. No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1						
2						

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Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	Knowledge representation and interference for AI based robots	**Dr. V. S. K. Venkatachalapathy**	1 –10, 2021/ ISBN 978-93-90781-09-6	ESN Publications, Tamilnadu
2	State space models and structural properties of a wheeled robots	**E. Manikandan**, P. Jayakumar	193 –198, 2021/ ISBN 978-93-90781-09-6	ESN Publications, Tamilnadu
3	Technical review on ranging and odometry for any robots	**Dr. L. Saravanan,** Dr. R. Ravisankar	199 –205, 2021/ ISBN 978-93-90781-09-6	ESN Publications, Tamilnadu
4	Need for robotic solution for hazardous environment	**Dr. K. Hemalatha,** A. Jeyachandran	206 –215, 2021/ ISBN 978-93-90781-09-6	ESN Publications, Tamilnadu
5	Disaster characteristics and impacts on robots	**Dr. J. Pavalavana Pandian,** S. Arul Pradeep	216–224 , 2021/ ISBN 978-93-90781-09-6	ESN Publications, Tamilnadu
6	Expanding role of marine robotics in ocean engineering	**R. Manikandan**	225 –234, 2021/ ISBN 978-93-90781-09-6	ESN Publications, Tamilnadu
7	Long term challenges for industrial robots	**Dr. A. G. Ganesh Kumar,** K. Navanitha Krishnan	235-239, 2021 /ISBN 978-93-90781-09-6	ESN Publications, Tamilnadu
8	Design and evolution of bio-inspired robots	**Dr. K. Velmurugan,** L. Martin	240–248, 2021/ ISBN 978-93-90781-09-6	ESN Publications, Tamilnadu
9	Safety precaution for Robot-Human interaction	**Dr. T. Coumaressin,** Dr. G. G. Sozhamannan,	249–259, 2021/ ISBN 978-93-90781-09-6	ESN Publications, Tamilnadu
10	Social Robots for public interaction	**Dr. G. Balamuruga Mohan Raj** Dr. A. Thiagarajan	260 –271, 2021/ ISBN 978-93-90781-09-6	ESN Publications, Tamilnadu

Patent

S. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1	G.G.Sozhamannan	G.G.Sozhamannan E. Manikandan	Green Peas sheller with collecting tray	350541-001 04/10/2021	India	Published
2	Dr. K. Hemalatha	Dr. K. Hemalatha	Protable maize dehusking machine	350547-001 04/10/2021	India	Published
3	G.G.Sozhamannan	G.G.Sozhamannan E. Manikandan	Green peas depoding machine	350541-004 04/10/2021	India	Published
4	Dr. K. Hemalatha	Dr. K. Hemalatha	Maize dehusker	350541-002 04/10/2021	India	Published
5	Dr. V. S. K. Venkatachalapathy	Dr. K. Velmurugan	Pomegranate deseeder	350546-001 04/10/2021	India	Published
6	Dr. V. S. K. Venkatachalapathy	Dr. K. Velmurugan	Bamboo bicycle frame	350543-001 04/10/2021	India	Published

7	G.G.Sozhamannan	G.G.Sozhamannan	Fish tank lid with solar operable fish feeder	350545-001 04/10/2021	India	Published
8	G.G.Sozhamannan	G.G.Sozhamannan	Fish tank lid with automated fish feeder	350934-001 07/10/2021	India	Published
9	Dr. J. Pavalavana Pandian	Dr. J. Pavalavana Pandian	Baggage weight analyzer with conveyor for aircraft loading	350936-001 07/10/2021	India	Published
10	Dr. A. G. Ganesh Kumar	Dr. A. G. Ganesh Kumar	Cotton ginning machine	350932-001 07/10/2021	India	Published
11	Dr. A. G. Ganesh Kumar	Dr. A. G. Ganesh Kumar	Portable Cotton ginning machine	350933-001 07/10/2021	India	Published
12	Dr. V. S. K. Venkatachalapathy	Dr. K. Velmurugan	Pomegranate Deseeder with collecting duct	350938-001 07/10/2021	India	Published
13	Dr. K. Velmurugan	Dr. K. Velmurugan	Double beamed Bamboo bicycle frame	350977-001 07/10/2021	India	Published
14	Dr. K. Velmurugan	Dr. K. Velmurugan	Semi-automated coconut shell breaking and grating machine	354169-004 02/12/2021	India	Published
15	Dr. K. Velmurugan	Dr. K. Velmurugan	Automated Mano and metate	354169-002 02/12/2021	India	Published
16	Dr. V. S. K. Venkatachalapathy	Dr. K. Velmurugan	Portable Automated Mano and metate	354943-002 15/12/2021	India	Published
17	Dr. K. Velmurugan	Dr. K. Velmurugan	Electric coconut shell breaking and grating machine	354943-003 15/12/2021	India	Published

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
1	A.Vignesh	Kaar Tech	6 Months	03.03.2021	02.09.2021
2	S.Karthikeyan	Cognizant	6 Months	16.02.2021	16.08.2021
3	N.Harish	Cognizant	6 Months	16.02.2021	16.08.2021
4	M.Yazrulnazim	Cognizant	6 Months	16.02.2021	16.08.2021
5	Devarapalli Ratna Vikas	Cognizant	6 Months	16.02.2021	16.08.2021
6	A.Jambukumar	Cognizant	6 Months	16.02.2021	16.08.2021
7	A.Vignesh	Cognizant	6 Months	16.02.2021	16.08.2021
8	K.Varun Kalishwar	Cognizant	6 Months	16.02.2021	16.08.2021
9	S.Sridhar	Cognizant	6 Months	16.02.2021	16.08.2021
10	S.Vishnuram	Cognizant	6 Months	16.02.2021	16.08.2021
11	T.Krishnakumar	Cognizant	6 Months	16.02.2021	16.08.2021

12	S.Udayakumar	NLC India Limited	2 Weeks	22.02.2021	06.03.2021
13	S.Senthamil Selvan	NLC India Limited	2 Weeks	22.02.2021	06.03.2021
14	B.Parameishwar	NLC India Limited	2 Weeks	22.02.2021	06.03.2021
15	R.Saran	NLC India Limited	2 Weeks	22.02.2021	06.03.2021
16	S.Naveenkumar	NLC India Limited	2 Weeks	22.02.2021	06.03.2021
17	S.Ajay	NLC India Limited	2 Weeks	22.02.2021	06.03.2021
18	A.G.Rajkrishna	NLC India Limited	2 Weeks	08.03.2021	20.03.2021
19	S.Pavithran	NLC India Limited	2 Weeks	08.03.2021	20.03.2021
20	K.K.Vishwaa	NLC India Limited	2 Weeks	08.03.2021	20.03.2021
21	G.Nithish	NLC India Limited	2 Weeks	08.03.2021	20.03.2021
22	L.Nanda Koumar	Swastik Filaments Private Limited	1 Month	30.08.2021	30.09.2021
23	L.Nanda Koumar	Guru Paper Mills Private Limited	10 Days	18.10.2021	28.10.2021
24	K.Roakesh	Zoho Corporation	7 Months	01.11.2021	Till date

6.2 Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
1				
2				

6.3 Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
1				
2				

6.4 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1	Sri Muralidhara Molds	26-07-2021	• Industrial Visits	Long time
2	Adisakthi Projects Private Limited	26-07-2021	• In-plant Training & special Technical	Long time
3	Seja Sinters Private Limited	23-08-2021	Training to make the students	Long time
4	Bright Brothers Limited	21-08-2021	industry-ready • Guest Lectures • Mini Projects and Main Project Work • Research & Development • Problem Solving • Studies & Survey • Placements • Internships • Establishing Advanced Lab	Long time

Number of Students Placed	110
Number of Students opted Higher Studies	Nil
Number of Entrepreneur	Nil

7.1   Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1	Roakesh. K	ZOHO	840000
2	Jothi Krishna.Rb	TCS DIGITAL	720000
3	Naveen .K	KAAR	650000
4	Gokul Raj. S	KAAR	650000
5	Roakesh. K	KAAR	650000
6	Kadhiravan.R	GenC IOT PLM	500000
7	Nandakoumar. L	GenC IOT PLM	500000
8	Nishanth. S	GenC IOT PLM	500000
9	Raghul. R	GenC IOT PLM	500000
10	Sandhoshkumar. K	GenC IOT PLM	500000
11	Vasanth.S	GenC IOT PLM	500000
12	Jothi Krishna.Rb	GenC ELITE	500000
13	Jothi Krishna.Rb	GenC	425000
14	Althaf Ahamed Khaleel Ahamed	GenC	400000
15	Balakumaran .M	GenC	400000
16	Chandramouli. N	GenC	400000
17	Chandru.D	GenC	400000
18	Devaraj.R	GenC	400000
19	Dhivagar.S	GenC	400000
20	Hariharan.R	GenC	400000
21	Jagatheesh.T	GenC	400000
22	Jeevananthan. N	GenC	400000
23	Jothish .T	GenC	400000
24	Kirithik. A	GenC	400000
25	Manojkumar.P	GenC	400000
26	Mohanraj.K	GenC	400000
27	Mukunthan.T	GenC	400000
28	Nandish.K	GenC	400000
29	Nilavan. R	GenC	400000
30	Rajagopal.S	GenC	400000
31	Ramsurathkumar.V	GenC	400000
32	Sarangan. S	GenC	400000
33	Saravanan. K	GenC	400000
34	Saravanaperumal.R	GenC	400000
35	Sivaneshwaran.G	GenC	400000
36	Vijai. N	GenC	400000
37	Karthikeyan.C	GenC	400000
38	Kuzhalogi. M	GenC	400000
39	Logesh .L	GenC	400000
40	Mudunuri Saisnehith	GenC	400000
41	Shanmugavel. G	GenC	400000
42	Thirilogasundar.M	GenC	400000
43	Deva. K	GenC	400000
44	Jagadeeswaran.R	GenC	400000
45	Loganathan.M	GenC	400000

46	Raj Agilan. R	GenC	400000
47	Sandosh. T	GenC	400000
48	Sureshkumar. V	GenC	400000
49	Nishanth. S	Capgemni	400000
50	Logeshwaran.S	Capgemni	400000
51	Abitha.M. L	MuSigma	350000
52	Devprasath .C	MuSigma	350000
53	Arunkumar .J	MuSigma	350000
54	Ernest Pontifex. J	MuSigma	350000
55	Porselvan.S	MuSigma	350000
56	Raghul. S	MuSigma	350000
57	Siddhaarth. A.U	MuSigma	350000
58	Thamizh Iniyan .A	MuSigma	350000
59	Masaan.S	MuSigma	350000
60	Thiruvenkadam.S	MuSigma	350000
61	Vignesh. S	MuSigma	350000
62	Vijay. R	MuSigma	350000
63	Jeykrishnan. J	Wipro	350000
64	Karthick.S	Wipro	350000
65	Keerthivarman. Y	Wipro	350000
66	Pooviyarasan. P	Wipro	350000
67	Vigneshwaar.R	Wipro	350000
68	Vishweshwar.P	Wipro	350000
69	Masaan.S	Wipro	350000
70	Thiruvenkadam.S	Wipro	350000
71	Vignesh. S	Wipro	350000
72	Vijay. R	Wipro	350000
73	Balaji.V	Wipro	350000
74	Bharanidharan.S	Wipro	350000
75	Dhanush Kumar. A	Wipro	350000
76	Dhanushpriyan. S	Wipro	350000
77	Dhinakaran.D	Wipro	350000
78	Dhinesh.S	Wipro	350000
79	Dhivakar. S	Wipro	350000
80	Dinesh Kumar.P	Wipro	350000
81	Elandhirayan@Parvandhan.V.S	Wipro	350000
82	Goddu Manoj Kumar	Wipro	350000
83	Ajith Kumar.N.S	TCS	336000
84	Damodharan.G	TCS	336000
85	Edwin Joshua. F	TCS	336000
86	Kumaraguru .S	TCS	336000
87	Logeshwaran. B	TCS	336000
88	Martel Christopher Karthik	TCS	336000
89	Neyagopi.R	TCS	336000
90	Renik Ponaro.J	TCS	336000
91	Saruhassan. G	TCS	336000
92	Sathiriyamoorthy.V.S	TCS	336000
93	Vasanth.S	TCS	336000
94	Karthikeyan.C	TCS	336000
95	Kuzhalogi. M	TCS	336000
96	Logesh .L	TCS	336000
97	Mudunuri Saisnehith	TCS	336000
98	Shanmugavel. G	TCS	336000
99	Thirilogasundar.M	TCS	336000

100	Aadhithyan.P	TCS	336000
101	Aashis Ahamed. S	TCS	336000
102	Abinash.S	TCS	336000
103	Agash.A	TCS	336000
104	Ajay.C	TCS	336000
105	Anandh.R	TCS	336000
106	Aravind. S	TCS	336000
107	Ashwin Coumar . K	TCS	336000
108	Balaji. E	TCS	336000
109	Balaji. G	TCS	336000
110	Manikandan. K	TCS	336000

7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1			
2			

7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
1				
2				

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1   Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1	Industry 4.0 – Significance, Challenges, Current Trends, and Future Scenarios	ASM Professional chapter	10.07.2021	National level	50
2	Li-Ion Battery Technologies in Electric Vehicles and Opportunities for Advancements	ASM Professional chapter	28.08.2021	National level	85
3	Vacuum Carburizing	ASM Professional chapter	04.09.2021	National level	50
4	Intellectual Property Rights and Their Scopes in Manufacturing Industries	ASM Professional chapter	02.10.2021	National level	50
5	Engineering Surfaces through Sol-Gel	ASM Professional chapter	23.10.2021	National level	65

	Nanocomposite Coatings to Achieve Multi-functionalities				
6	Latest trends and opportunities in Thermal Processing	ASM Professional chapter	30.12.2021	National level	70

8.2 FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under (Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1	Additive Manufacturing Processes and its Applications	Department	23-08-2021 to 28-08-2021	International	39

SECTION – IX: ACHIEVEMENTS

9.1 Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1	Mr.Parameshwaran	Inframind Challenge 2021	TCS	Got job offer
2	Mr.S.Kaushik	Inframind Challenge 2021	TCS	Got job offer
3	R. Arthi	Superhero Merchandise in International event Super Hero U contest	United States of America	100$ gift card
4	K.Roakesh	Unisys cloud 20/20	Unisys	won 7th Position
5	R.B.Jothikrishna	Unisys cloud 20/20	Unisys	won 7th Position
6	S.Maheswaran	Design contest	ICT Academy	Reached finals
7	C.Karthikeyan	Design contest	ICT Academy	Reached finals

9.2 Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies

S. No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1	Dr.V.S.K.Venkatachalapathy	• Member, Global Engineering Deans Council India Chapter (GEDCIC) • Member, American Society of Metals (ASM) • Member, Indian Society of Technical Education (MISTE) • Member, Executive Committee "Young Indian" CII Chapter, Puducherry • Member, Computer Society of India (CSI) • Member, Institution of Engineers (FIE)
2	Dr.K.Velmurugan	• Indian Society for Technical Education (ISTE) • The Institution of Engineers – India (IE) • Indian Society of Mechanical Engineers (FISME) • Asian Society Research (ASR)

7		• Association for Iron & Steel Technology (AIST) • Scientific and Technical Research Association (STRA) • International Association of Educators And Researchers (IAER) • MHRD- Innovation Council
3	Mr.D.Karunakaran	• Fellow and Executive committee member • (Mechanical Division) in The Institution of Engineers – India (IEI) , Puducherry state center

9.3   Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

S. No	Name of the Faculty	Name of Editorial Boards / Conferences
1	Dr.K.Velmurugan	• Consulting Engineering "Journal of Automotive Mechanical & Aerospace Engineering Research". • Technical Editor "Technology Today". Consulting Engineer "Engineering Today". • Technical Reporter "The Technology Today". • Technical Consultant "Journal of Engineering Technological Research". • Consulting Editor "Engineering Today". • Assignment Editor "Journal of Electrical Electronics & Computer Engineering Research". • Technical Consultant "Journal of Engineering Technology and Management Science".

9.4   Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S.No	Name of the Faculty	Name of Awards / Recognition

9.5   Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

Sl. No.	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Duration (Days)
1	Dr. A. Thiagarajan	Advances in Composite Materials, Manufacturing Processes and Optimization Techniques	14
2	Mr.A Giriprasath	Design Thinking to Augment 21st Centuary Skills	6
3	Mr.A Giriprasath	ICT tools for faculty	5
4	Mr.P Jayakumar	Manufacturing Processes	7
5	Mr.D.Karunakaran	Online Orientation Training Program for Mentors	5
6	Mr.A Giriprasath	Laser based Manufacturing and Precision Engineering	14
7	Mr.D.Karunakaran	Ergonomics Workplace Analysis (NPTEL)	4
8	Mr.E.Manikandan	Creating Lab-to-Land Ecosystem - Challenges & Opportunities	1

9	Mr.P Jayakumar	Robotics and Mechatronics in Manufacturing	5
10	Mr.A Giriprasath	Robotics and Mechatronics in Manufacturing	5
11	Mr.S. Arul Pradeep	Additive Manufacturing: From 3D Printing to the Factory Floor	6
12	Dr.S.Gopalakannan	Additive Manufacturing Processes and its Applications	6
13	Dr.A.G.Ganeshkumar	Additive Manufacturing Processes and its Applications	6
14	Dr. A. Thiagarajan	Additive Manufacturing Processes and its Applications	6
15	Dr.K.Hemalatha	Additive Manufacturing Processes and its Applications	6
16	Dr.R.Ravisankar	Additive Manufacturing Processes and its Applications	6
17	Dr. T.Coumaressin	Additive Manufacturing Processes and its Applications	6
18	Dr.J.Pavalavanapandian	Additive Manufacturing Processes and its Applications	6
19	Dr.L.Martin	Additive Manufacturing Processes and its Applications	6
20	Dr.S.Jayabharathy	Additive Manufacturing Processes and its Applications	6
21	Dr.M.Elangovan	Additive Manufacturing Processes and its Applications	6
22	Dr.L.Saravanan	Additive Manufacturing Processes and its Applications	6
23	Mr.D.Karunakaran	Additive Manufacturing Processes and its Applications	6
24	Mr.E.Manikandan	Additive Manufacturing Processes and its Applications	6
25	Mr.A. Jeyachandran	Additive Manufacturing Processes and its Applications	6
26	Mr.P.Sathiaprathap	Additive Manufacturing Processes and its Applications	6
27	Mr.A Giriprasath	Additive Manufacturing Processes and its Applications	6
28	Mr.V.Ashok Kumar	Additive Manufacturing Processes and its Applications	6
29	Mr.M.Gunasekar	Additive Manufacturing Processes and its Applications	6
30	Mr.R.Hemanth Kumar	Additive Manufacturing Processes and its Applications	6
31	Mr.R.Manikandan	Additive Manufacturing Processes and its Applications	6
32	Mr.K.Navanitha Krishnan	Additive Manufacturing Processes and its Applications	6
33	Mr.S.Jagan	Additive Manufacturing Processes and its Applications	6
34	Mr.H.Muthukumar	Additive Manufacturing Processes and its Applications	6
35	Mr.K.Puhazlvanan	Additive Manufacturing Processes and its Applications	6
36	Mr.K.Ashok Kumar	Additive Manufacturing Processes and its	6

		Applications	
37	Mr.E.Aravindraj	Additive Manufacturing Processes and its Applications	6
38	Mr.M.Santhosh Kumar	Additive Manufacturing Processes and its Applications	6
39	Mr.G.Harish	Additive Manufacturing Processes and its Applications	6
40	Mr.K.Vinoth Kumar	Additive Manufacturing Processes and its Applications	6
41	Mr.S.Gopinath	Additive Manufacturing Processes and its Applications	6
42	Mr.K.Prasad	Additive Manufacturing Processes and its Applications	6
43	Mr.R.Vigneshwaran	Additive Manufacturing Processes and its Applications	6
44	Mr.N.Ponraj	Additive Manufacturing Processes and its Applications	6
45	Mr.K.Ram Kumar	Additive Manufacturing Processes and its Applications	6
46	Mr.R.Kalaidossan	Additive Manufacturing Processes and its Applications	6
47	Mr.K. Kirubharaj	Additive Manufacturing Processes and its Applications	6
48	Mr.R. Baradhan	Additive Manufacturing Processes and its Applications	6
49	Mr.T. Kamalakannan	Additive Manufacturing Processes and its Applications	6
50	Mr.P. Venkatesan	Additive Manufacturing Processes and its Applications	6
51	Dr.K.Hemalatha	Artificial Intelligence (AI) Enabled Translational Research in Health Informatics)	5
52	Mr.P Jayakumar	Unconventional Machining Processes	7
53	Mr.A Giriprasath	Unconventional Machining Processes	7
54	Dr.K.Velmurugan	Basic FDP on AICTE- IDEA Lab	5
55	Dr.K.Hemalatha	Design Thinking and Creativity for Educators	5
56	Mr.E.Manikandan	Design Thinking and Creativity for Educators	5
57	Mr.A Giriprasath	Design Thinking and Creativity for Educators	5
58	Mr.S. Arul Pradeep	Design Thinking and Creativity for Educators	5
59	Dr.K.Hemalatha	Innovation Ambassador training on Foundation Level	30

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit
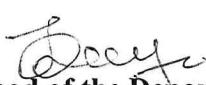
Head of the Department

Recommendations:

Section	Remarks
Curricular Aspects	All relevant documents are verified
Teaching, Learning and Evaluation	All relevant documents are verified
Structured Feedback	Parents feedback count need to be increased
Research, Innovation and Publications	Publication count need to be increased
Collaborations and Linkages	All relevant documents are verified
Student Progression	All relevant documents are verified
Activity Conducted / Organized by the Department	Organize more FDP/STTP in the department
Achievements	All relevant documents are verified
General Remarks	Most of the documents are available in the department except the file mentioned above

Signature of the Internal Academic Audit Experts

Dr. M. Ganesan
Associate Professor
Department of CSE
SMVEC

Dr. P. Arunagiri
Associate Professor
Department of ECE
SMVEC

SRI MANAKULA VINAYAGAR
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Puducherry - 605 107

NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

INSTRUMENTATION AND CONTROL ENGINEERING

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NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT
(Academic Year 2021-2022)
INTERNAL AUDIT

SECTION –1: BASIC INFORMATION

Audit Date	10.3.2022			
Name of the Department	Instrumentation and Control Engineering			
Year of Establishment	2002			
Programs Offered				
	Name of the Program		Approved Intake	
	B.Tech		60	
Head of the Department	Dr.L.M.Varalakshmi			
Number of full time Teachers	Professor	1		
	Associate Professor	1		
	Assistant Professor	13		
Number of Technical Staff				
Number of Students	For B.Tech:		For M.Tech	

Year	Strength
First Year	39
Second Year	31
Third Year	32
Fourth Year	38
Total	140

Year	Strength
First Year	-
Second Year	-
Total	-

Faculty Student Ratio	1:16	-

SECTION –2 : CURRICULAR ASPECTS

2.1 Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
	Odd 21		
1	Department Academic Calendar	Yes	
2	Faculty Subject Preferences	Yes	
3	Elective choices from the Students	Yes	
4	Course allotment to the Faculty	Yes	
5	Time Table (UG)	Yes	
6	Lesson plan for each Course	Yes	

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2.2   Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1.	Dr. L. M. Varalakshmi	Planner, Designer, Decision maker R-2020	All Courses	R-2020
2.	Mrs. T. Sudha	Manager, Implementer	**R-2020**	
			Circuit Theory	II/III
			Linear Control Systems	II/IV
			Simulation Lab	III/ V
			Process Control	III/VI
			Process Control Lab	III/VI
			Computer Control of Processes	IV/VII
			Computer Control of Processes Lab	IV/VII
			Advanced Control System	III/V (PE)
			Industrial Electronics	III/V (PE)
			Virtual Instrumentation	III/VI (PE)
			Modern Electronic Instrumentation	IV/VII (PE)
			Field Instrumentation and Cabling	IV/VIII (PE)
3.	Mr. J. Jeevanantham	Manager, Implementer	**R-2020**	
			Transducer Engineering	I/II
			Transducer Engineering Lab	I/II
			Applied Soft Computing	III / VI (PE)
			Instrumentation System Design Lab	III/ V
			Process Automation	IV/ VII
			Process Automation Lab	IV / VII
			MEMS and NEMS	II / V
			Advanced Control System	III / V (PE)
			Automotive Instrumentation System	IV /VII (PE)
			Advanced Instrumentation System	IV / VIII (PE)
			Control System Engineering	II / IV (OE)
			Digital Control System	III / VI
4.	Mrs. M. Rekha	Coordinator, Implementer, R-2020/ R-2019 Curriculum and Syllabus	**R-2020**	
			Basic Electronics	I/I
			Electronic Circuits	I / II
			Electronic Circuits Lab	I / II
			Electrical and Electronic Measurements	II/III

S.No	Name	Role	Subject	Year/Sem
			Electrical Technology Lab	I/ I
			Basic Electronics Lab	I/I
			Mechatronics and Instrumentation	II / IV
			Applied Soft Computing	III/VI
5.	Dr. D.Sivanandakumar	Evaluator	**R-2020**	
			Signals and Systems	I/II
			Microcontroller Based System Design	II/IV
			Microcontroller Based System Design lab	II/IV
			Embedded System Design	III / V
			Embedded System Design Lab	III / V
			Internet of Things for Automation	III/VI
			Digital Signal Processing	II/IV
			Robotics and Automation	III/VI
			Automotive Instrumentation System	IV/VII
6.	Mr. P. Naveen kumar	Implementer	**R-2020**	
			Analog Integrated Circuits	I / III
			Solid and Fluid Mechanics	II / III
			Solid and Fluid Mechanics Lab	II / III
			Biomedical Instrumentation	IV/ VII
			Diagnostic and Therapeutic Equipments Lab	III / VI
			Robotics and Automation	III / VI (PE)
			Power Plant Instrumentation	III / VI (PE)
			Industrial Data Networks	IV/ VIII (PE)
			Field Instrumentation and Cabling	IV/ VIII (PE)
			Industrial Automation	IV/ VII (OE)
7.	Ms. P. Kiruthika	Implementer	**R-2020**	
			Analytical Instrumentation	III/ V
			Internet of Things for Automation	III/ VI
			Internet of Things Lab	III/ VI
			Virtual Instrumentation Lab	IV / VII

		Telemetry and Tele control	III / V (PE)
		Industrial Unit Operation	III / V (PE)
		Web Based Instrumentation	III / VI (PE)
		Virtual Instrumentation	IV / VII (PE)
		Fault Detection and Diagnostics	IV/ VII (PE)
		Industrial Safety and Management	II/IV (OE)
		Ultrasonic Instrumentation	IV / VII (OE)

2.3 List of Professional Elective Courses offered by the department

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
1	III/V	Industrial Unit Operations	U19ICE54	32
2	IV/VII	Applied Soft Computing	IC E71	38
3	IV/VII	Power Plant Instrumentation	IC E73	38

2.4 List of Open Elective Courses offered by Other department

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
1	III/V	MBA	Product Development and Design	U19HSO51	32

2.5 List of Skill Development Courses offered by the department

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
1	I/II	Skill Development Course 1: Demonstration of Workshop Practices	U20ICS201	31
2	III/V	Skill Development Course 5: Career and Professional Skill Development Program-I	U19ICS51	32
3	III/V	Skill Development Course 6: Presentation Skills using ICT	U19ICS52	32

2.6 List of Certification Courses offered by the department

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
1	I/II	Certification Course – II : IoT using Python	U20ICC259	31
2	III/V	Certification Course – V: Advanced Java Programming	U19ICC51	32

2.7 List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1	I/II	Environmental Science	U20ICM202	31
2	III/V	Essence of Indian Traditional Knowledge	U19ICM51	32

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1 Course Delivery

I Year / II Semester - (2020-2024)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Engineering Mathematics-II (Multiple Integrals and Transforms)/ U20BST215	Dr. B. Kanimozhi	60	60	60
2	Programming in C/ U20EST201	Mrs. S. Subasree	45	45	47
3	Circuit Theory/ U20ICT201	Dr. K. Naveen Kumar	60	60	64
4	Electronic Circuits/ U20ICT202	Mr. J. Jeevanantham	45	45	45
5	Signals and Systems/ U20EST203	Dr. D. Sivanandakumar	60	60	62
6	Transducer Engineering/ U20ICT204	Ms. P. Kiruthika	45	45	45
7	Programming in C Lab/ U20ESP202	Mrs. S. Subasree	30	30	30
8	Electronic Circuit Lab/ U20ICP201	Mr. J. Jeevanantham	30	30	30
9	Transducer Engineering Lab/ U20ICP202	Ms. P. Kiruthika	30	30	30

III Year / V Semester - (2019-2023)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Numerical Methods/ U19ICT51	Dr. B. Kanimozhi	60	60	62
2	Industrial Instrumentation-1/ U19ICT52	Mrs. M. Rekha	45	45	45
3	Linear Control System/ U19ICT53	Mrs.T.Sudha	60	60	64
4	Microprocessor and	Dr. D. Sivanandakumar	45	45	45

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S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
	Embedded system design/ U19ICT54				
5	Professional Elective-II (Industrial Unit Operation)/ U19ICE54	Ms. P. Kiruthika	45	45	45
6	Open Elective-II (Product Development and Design)/ U19HSO51	Dr.L.M.Varalakshmi	45	45	45
7	Numerical Methods Lab	Mr. Kalaiselvan	30	30	30
8	Instrumentation System design lab	Dr. K. Naveenkumar	30	30	30
9	Microprocessor and Embedded System Design Lab	Dr. D. Sivanadhakumar	30	30	30
10	Simulation Lab	Mrs. T.Sudha	30	30	30

IV Year / VII Semester - (2018-2022)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	CCP: Computer Control of Processes/ IC T71	Mr. J.Jeevanantham	45	45	45
2	ISM: Industrial Safety & Management/ IC T72	Mrs.T.Sudha	45	45	45
3	ASC: Applied soft Computing/ IC E71	Mrs. M. Rekha	45	45	45
4	PPI: Power Plant Instrumentation/ IC E73	Dr. K. Naveen Kumar	45	45	45
5	IMC: Industrial Measurement and Control lab/ IC P71	Mrs. M. Rekha	30	30	30

3.2 Use of ICT Tools in Teaching Learning
I Year / II Semester - (2020-2024)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr. B. Kanimozhi	Engineering Mathematics-II (Multiple Integrals and Transforms)	PPT, VIDEO, LMS
2	Mrs. S. Subasree	Programming in C	PPT, VIDEO, LMS
3	Dr. K. Naveen Kumar	Circuit Theory	PPT, VIDEO, LMS
4	Mr. J. Jeevanantham	Electronic Circuits	PPT, VIDEO, LMS
5	Dr. D. Sivanandhakumar	Signals and Systems	PPT, VIDEO, LMS
6	Ms. P. Kiruthika	Transducer Engineering	PPT, VIDEO, LMS

III Year / V Semester - (2019-2023)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr. B. Kanimozhi	Numerical Methods	PPT, VIDEO, LMS
2	Mrs. M. Rekha	Industrial Instrumentation-1	PPT, VIDEO, LMS

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3	Mrs.T.Sudha	Linear Control System	PPT, VIDEO, LMS
4	Dr. D. Sivanandhakumar	Microprocessor and Embedded system design	PPT, VIDEO, LMS
5	Ms. P. Kiruthika	Professional Elective-II (Industrial Unit Operation)	PPT, VIDEO, LMS
6	Dr.L.M.Varalakshmi	Open Elective-II (Product Development and Design)	PPT, VIDEO, LMS

IV Year / VII Semester - (2018-2022)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr. J.Jeevanantham	CCP: Computer Control of Processes	PPT, VIDEO, LMS
2	Mrs.T.Sudha	ISM: Industrial Safety & Management	PPT, VIDEO, LMS
3	Mrs. M. Rekha	ASC: Applied soft Computing	PPT, VIDEO, LMS
4	Dr. K. Naveen Kumar	PPI: Power Plant Instrumentation	PPT, VIDEO, LMS

3.3   List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audiance
1	Recent Trends in Programmable Device	Mr. A. Aashiq Ahamed, Managing Director & Chief Trainer, Bistate System, Puducherry	24.09.2021	IV Year
2	Application of Microcontroller	Mr. S. Karthikeyan, E-Beam Control Operator, Siechem Technologies Pvt. Ltd	17.11.2021	III & I Year
3	Data analytics in Process Industries and Quality	Mr. S. Gowtham Senior Programmer Analyst, Rockwell Automation India Pvt.Ltd, Bangalore	19.11.2021	III & I Year

3.4   Activities for Slow and Advanced Learners

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Engineering Mathematics – I (Calculus and Linear Algebra)	Dr.B.Kanimozhi	Yes	25	Yes
2	Material Science	Mr. K. Oudayakumar	Yes	10	Yes
3	Basic Electronics	Ms. P.Kiruthika	Yes	12	Yes
4	Electrical Technology	Dr. K. Naveen Kumar	Yes	18	Yes
5	Fundamentals of Civil and Mechanical Engineering	Mr. S. Azhagarsamy & Mr. S. Arul Pradeep	Yes	20	Yes
6	Complex Analysis and Applications of Partial Differential Equations	Dr. B. Kanimozhi	Yes	20	Yes
7	Data Structures	Mrs. Subashree	Yes	12	Yes
8	Solid and Fluid Mechanics	Mr. Arul Pradeep	Yes	20	Yes
9	Analog Integrated	Dr. M. Rekha	Yes	10	Yes

	circuits				
10	Digital Logic Circuits	Dr. L. M. Varalakshmi	Yes	10	Yes
11	Electrical and Electronic Measurements	Ms. P. Kiruthika	Yes	12	Yes
12	Numerical Methods	Dr. B. Kanimozhi	Yes	20	Yes
13	Industrial Instrumentation-1	Mrs. M. Rekha	Yes	25	Yes
14	Linear Control System	Mrs.T.Sudha	Yes	10	Yes
15	Microprocessor and Embedded system design	Dr. D. Sivanandhakumar	Yes	10	Yes
16	Professional Elective-II (Industrial Unit Operation)	Ms. P. Kiruthika	Yes	10	Yes
17	Open Elective-II (Product Development and Design)	Dr.L.M.Varalakshmi	Yes	12	Yes

3.5 Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	
2	Class wise student Profile Record Maintained	Yes	
3	Mentor – Mentee Session Record Maintained	Yes	

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
140	15	1:10

3.6 Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	
2	Seminar / Project Review Record	Yes	
3	End Semester Examination Record	Yes	
4	Student Grade Report	Yes	

3.7 Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	
2	Correlation of COs with POs and PSOs for each Course	Yes	
3	Course Outcome Attainment Calculated	Yes	Mention the target: (2018-2022)➔ 70% (2019-2023)➔ 55% (2020-2024)➔ 60%
4	PSO and PO attainment through CO	Yes	

3.8 Student Performance in End Semester Examination

S. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	49	
2	Number of All Clear Students	47	
3	Number of Students passed with Distinction	08	
4	Number of Students passed with First Class	39	

5	Number of Students passed with Second Class	02	
6	Number of Students Failed	02	
7	Passing Percentage	96	

SECTION – IV : STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	18	
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	8	
3	Student Exit Survey conducted and Analysed	Yes	10	
4	Alumni Feedback conducted and Analysed	Yes	7	

SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS

5.1 Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
			NIL		

5.2 Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consutancy
1	Mr. J.Jeevanantham	Project Implementation	Chemin C&I, Puducherry	1,00,000/-	1 Year
2	Mr. J.Jeevanantham	Project Implementation.	Sri Manakula Vinayagar Medical College and Hospital (SMVEC Trust)	50000/-	1 Year
3	Mrs. T. Sudha	Faculty Training	Benlab	50000/-	1 Year

5.3 Faculty Publications
Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Imapact Factos
1	2018-2019	11	4	-	-	-
2	2019-2020	19	7	-	-	-
3	2020-2021	09	8	-	-	-
4	2021-2022	15	11	115	14	2.8

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Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	-
Number of Publication in International Journals	09
Number of Publication in National Conferences	-
Number of Publication in International Conferences	04
Number of Books / Book Chapters	02
Number of Patent (Filed)	-
Number of Patents Granted	-

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
NIL				

International Journal

S. No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	Nonlinear optical crystalline nature bis (2,6-diaminopyridinium) hydrogen phthalate nitrate monohydrate (APPN): Development and its phase matching nature	P. Vivek , M. Rekha Ananth Steephen, RO. MU. Jauhar, G. Saravana Kumar, A. Suvitha , N. Karunagaran, M. Kowsalya	Results in Optics	3 (2021) 100075, ISSN 2666-9501, https://doi.org/10.1016/j.rio.2021.100075, 2021	Scopus
2	Analysis of Proportional Integral Derivative Controller Parameters for CSTR	T. Sudha	WSEAS Transactions on Systems and Control	Volume 16, 2021, E-ISSN: 2224-2856, 2021	Scopus
3	Multi-Objective Optimization Based Multi-Objective Controller Tuning Method with Robust Stabilization of Fractional Calculus CSTR	T. Sudha	WSEAS Transactions on Systems and Control	Volume 16, 2021, E-ISSN: 2224-2856, 2021	Scopus
7	Concealment of Data with MSB using Modified Secure Hash Algorithm	P. Srividdhya K Dhanasekaran	International Journal of Engineering Research & Technology (IJERT)	ISSN: 2278-0181 Published by, www.ijert.org ICRADL - 2021 Conference Proceedings, 2021	Scopus
8	Development of organic crystalline nature guanidinium nitrate (GuN): structural, frontier molecular orbital,	P. Vivek, G. Saravana Kumar, Ananth Steephen, RO. MU.	Journal of Materials Science: Materials in Electronics	32, 4493–4504 (2021). https://doi.org/10.1007/s10854-020-05190-w	Scopus

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	optical, thermal, mechanical, theoretical and experimental SHG and Z-scan properties for NLO device uses	Jauhar, A. Suvitha, M. Rekha, M. Kowsalya, N. Karunagaran & R. Arunkumar			
9	Optimized Adaptive Neuro Fuzzy based Controller for lifetime maximization in power electronics stage for brushless DC drives	N. Priya, N.B. Rajesh, D. Sivanandakumar, N.B. Prakash	Materials Today: Proceedings	Volume 56, Part 6, 2022, Pages 3379-3386, https://doi.org/10.1016/j.matpr.2021.10.328	Scopus

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
			NIL			

International Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	Identifying lethal effects and risk level using an improved classification technique	Deepak Sri Vidhaya Muthumari	IEEE Conference	RVS college of Engineering, Coimbatore, 2021	-	-
2	Concealment of data with MSB using modified secure hash algorithm	P. Srividdhya	Online International Conference on Recent Advances in Deep Learning (ICRADL-2021)	Shri Vishnu Engineering College for Women (Autonomous), 2021	-	-
3	IoT based Speech Recognition System P. Vijayakumar	Kishor Kumar sethy L. M. Varalakshmi, Rajkumar. E, Radha Raman Pandey, Karthika RN B,	Recent Trends in Science and Engineering	AIP Conf. Proc. 2393, 020096-1–020096-6; https://doi.org/10.1063/5.0074140	-	-
4	Skin Disease Detection Using Artificial	S.Kuzhaloli, L M Varalakshmi, Kamal Gulati, Makarand	Recent Trends in Science and Engineering	AIP Conf. Proc. 2393, 020092-1–020092-7;	-	-

	Intelligence	Upadhyaya, Narinder Kumar Bhasin, Vijayakumar Peroumal		https://doi.org /10.1063/5.00 74207		

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	Dr. K. Naveenkumar Dr. L. Varalakshmi	Electric Power System Analysis	978-93-92591-25-9	Iterative International Publisher
2	P. Ravivarma, T. Sudha E. Sathish G. S. Annie Grace Vimala	A Novel Dual Polarized Dual Band Antenna for Wireless Backscattering Applications	0.4018/978-1-7998-9315-8.ch011	IGI Global Publisher

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
			NIL			

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
1	Komalaselvan	Satish Dhawan Space Centre	28 days	12.11.2021	03.12.2021
2	Ragavapriya	Kannappan Iron And Steel Company Pvt.Ltd	11 days	15.11.2021	25.11.2021
3	Aishwarya	Kannappan Iron And Steel Company Pvt.Ltd	11 days	15.11.2021	25.11.2021
4	Frank Deva Antony	National Small Industries Corporation	11 days	06.12.2021	17.12.2021
5	Sureshkumar	National Small Industries Corporation	11 days	06.12.2021	17.12.2021
6	Anandagopi	Adwik Intellimech Pvt Ltd.	13 days	24.11.2021	08.12.2021
7	Romaric Sallustre.	Rane Matras	40 days	11.12.2021	20.12.2021
8	Vianny Cibi Raymond.S	Rane Matras	40 days	11.12.2021	20.12.2021

6.2   Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
1	Implementation and application of Pulsed electric field for food preservation	Mohanraj. D Gowshik. S Suresh kumar. V Vishnupriyan. M	Armada	1

6.3   Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
	NIL			

6.4   Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1	Benlab	8/1/2020	Faculty Training Program	5 Years
2	Chakrika infosolutions	1/1/2018	Value added course, software development program, students implant training and projects, Internships, Placement Activities	3 Years
3	St.Patrick software Solutions	4/1/2019	Technical activity in C, C++, java and Python	4 Years
4	Armada	4/1/2019	Faculty Training Program	4 Years
5	Bistate systems	6/1/2018	Value added course, software development program, students implant training and projects, Internships, Placement Activities	5 Years
7	Appasamy associates	2/1/2019	Training and Placement	4 Years

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	24
Number of Students opted Higher Studies	3
Number of Entrepreneur	1

7.1   Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1	Komalaselvan.V	Forbes Marshall	7 lakhs
2	ViannyCibi Raymond S	CTS	4 lakhs
3	Mithran S	CTS	4 lakhs
4	AmritMahapatra A	CTS	4 lakhs
5	Kathiravan R	CTS	4 lakhs
6	Christopher C	CTS	4 lakhs
7	MahalakshmiRavichandran	CTS	4 lakhs
8	Vignesh. N	CTS	4 lakhs
9	Murugan S	CTS	4 lakhs

10	Thavasni P	CTS	4 lakhs
11	Dhaarani. K	TCS	3.36 lakhs
12	Priyanka.G	TCS	3.36 lakhs
13	Vishnuppriyan.M	TCS	3.36 lakhs
14	RahavaPriya.M.G	TCS	3.36 lakhs
15	Priyatharshiny.v	WIPRO	3.36 lakhs
16	Ramya.D	MU SIGMA	3 lakhs
17	RomaricSallustre	MU SIGMA	3 lakhs
18	Hemamalini.M.S	MU SIGMA	3 lakhs
19	Syed Mohammed Ali.S	WIPRO NTH	3 lakhs
20	Mageswaran.J.G	WIPRO NTH	3 lakhs
21	Frank deva antony.A	RAMBAL Pvt.Ltd	2 lakhs
22	Harisidharth.S	RAMBAL Pvt.Ltd	2 lakhs
23	Dhinagar .M	R.K.M POWERGEN.Pvt.Ltd	2 lakhs
24	Sivikiran. R	R.K.M POWERGEN.Pvt.Ltd	2 lakhs

7.2   Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1	Hemaruthaa.K	SRM University	LL.B (Honours)
2	Jswanth Pathi.P	Pondicherry Technological University	M.Tech (IN)
3	Jagadeesan.A	Pondicherry Technological University	Master of Business Administration

7.3   Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
1	Adhi Shankar M	Sandwich Square	Managing Director	Pondicherry Reddiyar Palayam

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1   Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1	Robotics Process Automation	Blueprism University	10.10.2021 to 25.12.2021	National	02
2	Entrepreneurship Awareness Program	HDFC Bank	30-12-2021	State	01

8.2   FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants
NIL					

SECTION – IX: ACHIEVEMENTS

9.1 Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1	R.B.R.Tharuneswar	All India Inter College Cultural Fest	Puducherry Technological University	Rs 5,000
2	P.Ilayabharathi	Essay Writing	Elections Department, Puducherry	Third
3	R.B.R.Tharuneswar	Audio Jingle Category	Oulgaret Municipality, Puducherry	Second / Rs.2000
4	Prisha	Drawing	SMVEC	Second
5	1.Romaric Sallustre. P 2.Amrit Mahapatra. A 3.Sanjana. M 4.Revathi	Srishti 2022, Project Demonstration	Saintgits College of Engineering	Most Popular Project (Rs.10,000)

9.2 Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
NIL		

9.3 Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
NIL		

9.4 Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S.No	Name of the Faculty	Name of Awards / Recognition
1	Mrs.T.Sudha	Best Teacher Award
2	Mr.J.Jeevanantham	Global Sustainability Award
3	Dr.M.Rekha	Best Teacher Award
4	Dr.D.Sivanandakumar	Global Sustainability Award
5	Dr.K.Naveenkumar	Best Teacher Award
6	Ms.P.Kiruthika	Best Young Faculty Award
7	Mr.J.Jeevanantham	Young Researcher Award
8	Dr.M.Rekha	Academic Excellence Award
9	Mrs.T.Sudha	Teacher Innovation Award

9.5   Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

S.No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1	P. Srividdhya	Online International Conference on Recent Advances in Deep Learning (ICRADL-2021)	Shri Vishnu Engineering College for Women (Autonomous), 2021	Dec'2021
2	L. M. Varalakshmi	AIP Conference Proceedings	AIP Conference Proceedings	Dec'2021
3	L. M. Varalakshmi	AIP Conference Proceedings	AIP Conference Proceedings	Dec'2021
4	P. Srividdhya	IEEE Conference	RVS college of Engineering, Coimbatore, 2021	Dec'2021
5	Dr.L. M.Varalakshmi	Machine Learning in IOT	ICT Academy	13.12.2021 to 17.12.2021
7	Dr.D.Sivanandakumar	Recent Advances In Modeling And Optimization Techniques	ISIT	1-06-2021 to 5-06-2021
9	Mrs.T.Sudha	IOT	AICTE	09.07.2021 to 10.07.2021
10	Mrs.T.Sudha	Technology towards common man	SMVEC	12.07.2021 to 17.07.2021
11	Dr.K.Naveenkumar	Towards 5G & Beyond with IoT and Machine Learning.	ATAL Academy	26.07.2021 To 30.07.2021
12	Dr.K.Naveenkumar	IoT with Smart City	ATAL Academy	13.09.2021 To 17.09.2021
13	Dr.K.Naveenkumar	Recent technology development in EV system and its Application in Defense	A.K.T Memorial College of Engineering and Technology	09.07.2021 To 10.07.2021
14	Dr.K.Naveenkumar	Recent Trends in Electrical Engineering	The Oxford College of Engineering	12.07.2021 To 17.07.2021
15	A.S Sai Nishhok Krishna.	Life Skills	ICT Academy	17.05.2021 To 21.05.2021
16	A.S Sai Nishhok Krishna.	Machine Learning in IOT	ICT Academy	13.12.2021 To 18.12.2021
17	S.Karthikeyan.	Life Skills	ICT Academy	17.05.2021 To 21.05.2021

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18	S.Karthikeyan	IOT	AICTE	13.12.2021 To 17.12.2021
19	Mrs.M.Rekha	Outcome Based Education	ISTE	30.09.2021 To 09.10.2021
21	Mr.G.Laxminarayanan	Recent Advances In Modeling And Optimization Techniques	ISIT	1-06-2021 To 5-06-2021
23	Mrs.Omamageshwari	An IOT Platform for Building Energy Efficiency Applications	St.Joseph College	13.12.2021 To 17.12.2021
24	Mr J Jeevanandam	Recent Advances In Modeling And Optimization Techniques	ISIT	1-06-2021 To 5-06-2021
25	Mr J Jeevanandam	Machine Learning in IOT	ICT Academy	13.12.2021 To 17.12.2021

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit

Head of the Department

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Recommendations:

Section	Remarks
Curricular Aspects	-
Teaching, Learning and Evaluation	-
Structured Feedback	-
Research, Innovation and Publications	Needs more focus on R &D for research grants projects, funding and publications in reputed journals.
Collaborations and Linkages	-
Student Progression	-
Activity Conducted / Organized by the Department	-
Achievements	More Documentary evidences for faculty awards and Faculty participation have to be maintained.
General Remarks	-

Signature of the Internal Academic Audit Experts

Dr. P. Arunagiri
Associate Professor
Department of Electronics and Communication Engineering
SMVEC, Puducherry

Dr. M. Ganesan
Associate Professor
Department of Computer Science and Engineering
SMVEC, Puducherry

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ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

CIVIL ENGINEERING

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SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
An Autonomous Institution, Accredited by NAAC with 'A' grade
Puducherry – 605 107

NAAC
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT
(Academic Year: 2021- 2022)
INTERNAL AUDIT
SECTION –1: BASIC INFORMATION

Audit Date	10.03.2022		
Name of the Department	Civil Engineering		
Year of Establishment	2012		
Programs Offered			
	Name of the Program		Approved Intake
	U.G programs -B.Tech		60
Head of the Department	Dr.S.Sundararaman		
Number of full time Teachers	Professor	2	
	Associate Professor	Nil	
	Assistant Professor	23	
Number of Technical Staff	1		

Number of Students

For B.Tech:		For M.Tech	
Year	Strength	Year	Strength
First Year	33	First Year	Nil
Second Year	-	Second Year	Nil
Third Year	35	Total	Nil
Fourth Year	51		
Total	119		

Faculty Student Ratio	1:15		-

SECTION –2: CURRICULAR ASPECTS

2.1   Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1.	Department Academic Calendar	Yes	-
2.	Faculty Subject Preferences	Yes	-
3.	Elective choices from the Students	Yes	-
4.	Course allotment to the Faculty	Yes	-
5.	Time Table (UG and PG)	Yes	-
6.	Lesson plan for each Course	Yes	-

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2.2 Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1.	Dr.S.Sundararaman	Coordinator	B.Tech Civil	I,II,III and IV year
2.	Dr. S.Jayakumar	Coordinator	B.Tech Civil	I,II,III and IV year
3.	Ms. G. Yamuna	Department -In charge	B.Tech Civil	I,II,III and IV year
4.	Mr.K.Srinivasan	Department -In charge	B.Tech Civil	I,II,III and IV year

2.3 List of Professional Elective Courses offered by the department
ODD SEM

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
1.	III / V	**Professional Elective - II** Ground Improvement Techniques	U19CEE51	35
2.	IV / VII	**Elective -** Coastal and Offshore Structures	CEE02	51
3.	IV / VII	**Elective -** Failure Assessment and Rehabilitation of Structures	CEE20	51

2.4 List of Open Elective Courses offered by Other department

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
1.	III / V	MBA - Master of Business Administration	**Open Elective – II :** Project Management for Engineers	U19HSO54	35
2.	III / VI	EEE - Electrical and Electronics Engineering	**Open Elective – III :** Conventional and Non-Conventional Energy Sources	U19EEO63	35

2.5 List of Skill Development Courses offered by the Department
ODD SEM

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
1.	II / III	**Skill Development Course II–** Basic Vasthu	U20CES302	40
2.	III / V	**Skill Development Course V :** Foreign Language / IELTS - I	U19CES51	35
3.	III / V	**Skill Development Course VI :** Presentation Skills using ICT	U19CES52	35

2.6 List of Certification Courses offered by the Department
ODD SEM

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
1.	II / III	Certification Course – III : Total Station	U20CEC387	40
2.	III / V	Certification Course – III Total Station	U19CEC59	35

2.7 List of Mandatory Courses offered by the Department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
ODD SEM				
1.	II / III	Physical Education	U20CEM303	40
2.	III / V	Essence of Indian Traditional Knowledge	U19CEM51	35

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1 Course Delivery: ODD SEM
I Year / II Semester / 2020-2024

S. No	Course Title	Course Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1.	Engineering Mathematics - II Multiple Integrals and Transforms	U20BST215	Mr.S.Kalaiselvan	60	60	60
2.	Basic Electrical and Electronics Engineering	U20EST217	Mr.J.Muruganandham	45	45	45
3.	Green Buildings	U20EST242	Mr.S.Tiroumalai	45	45	45
4.	Mechanics of Solids - I	U20CET202	Mr.G.Senthil Raj	60	60	60
5.	Fluid Mechanics and Machinery	U20CET203	Mr.C.RajGovind	60	60	60
6.	Building Construction	U20CET204	Mrs.P.Poonthaleer	45	45	45
PRACTICAL						
7.	Basic Electrical and Electronics Engineering Laboratory	U20ESP218	Mr.J.Muruganandham	30	30	30
8.	Fluid Mechanics and Machines Laboratory	U20CEP203	Mr.C.RajGovind & Ms.G.Yamuna	30	30	30
9.	Strength of Materials Laboratory	U20CEP204	MrG.Senthil Raj & Mrs.S.Nivedita	30	30	30

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III Year / V Semester / 2019-2023

S.No	Course Title	Course Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1.	Operations Research	U19CET51	Mr.R.Rajesh	60	60	60
2.	Structural Analysis – I	U19CET52	Mr.S.Sivaprasath	60	60	60
3.	Geotechnical Engineering - II	U19CET53	Mrs.S.Banupriya	60	60	60
4.	Environmental Engineering - I	U19CET54	Dr.S.Jayakumar	45	45	45
5.	**Professional Elective - II** Ground Improvement Techniques	U19CEE51	Mrs.S.Nivedita	45	45	45
6.	**Open Elective - II** Project Management for Engineers	U19HSO54	Mrs.C.Sarika	45	45	45
PRACTICAL						
7.	Numerical Methods Laboratory	U19CEP51	Mr.R.Rajesh	30	30	30
8.	REVIT Architecture	U19CEP52	Mr.S.Sivaprasath Mrs.C.Sarika	30	30	30
9.	Geotechnical Engineering Laboratory	U19CEP53	Mrs.S.Banupriya Mrs. D. Sathiyasree	30	30	30
10.	Estimation Costing and Valuation Engineering	U19CEP54	Ms.K.M.Balasarawathi	30	30	30

IV Year / VII Semester / 2018-2022

S.No	Course Title	Course Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1.	Design of steel structures	CET71	Mr.A.Aravinth	60	60	60
2.	Hydrology & Water Resources Engineering	CET72	Ms.K.M.Balasaraswathi	60	60	60
3.	**Elective - Coastal and Offshore Structures**	CEE02	Dr.S.Sundararaman	60	60	60
4.	**Elective - Failure Assessment and Rehabilitation of Structures**	CEE20	Mr.S.Azhagarsamy	60	60	60
PRACTICAL						
5.	Design and Drawing (RCC & steel)	CEP71	Mr.A.Aravinth	75	75	75
6.	Comprehensive viva	CECV7	Mr.S.Azhagarsamy	45	45	45
7.	Project Phase - I	CE PW7	Dr.S.Sundararaman& Dr.S.Jayakumar	90	90	90

3.2 Use of ICT Tools in Teaching Learning Digital writing Board
Semester: ODD

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1.	Probability and Statistics	Mr.R.Rajesh	PPT/Lecture Videos
2.	Data Structures	Ms.Swathilakshmi	PPT/Lecture Videos
3.	Mechanics of Solids - II	Mrs.C.Sarika	PPT/Lecture Videos
4.	Surveying	Mr.S.Tiroumalai	PPT/Lecture Videos, Digital writing Board
5.	Geotechnical Engineering - I	Mrs.S.Banupriya	PPT/Lecture Videos
6.	Concrete Technology	Mr.C.Raj Govind	PPT/Lecture Videos
7.	Operations Research	Dr.T.Gayathri	PPT/Lecture Videos
8.	Structural Analysis – I	Mrs.A.Kalyani	PPT/Lecture Videos
9.	Geotechnical Engineering - II	Mr.K.Srinivasan	PPT/Lecture Videos
10.	Environmental Engineering - I	Mrs.A.Sathiya Priya	PPT/Lecture Videos
11.	**Professional Elective - II** Ground Improvement Techniques	Ms.G.Yamuna	PPT/Lecture Videos
12.	**Open Elective - II** Project Management for Engineers	Mr.K.S.Prasath	PPT/Lecture Videos
13.	Design of steel structures	Mr.A.Aravinth	PPT/Lecture Videos
14.	Hydrology & Water Resources Engineering	Ms.K.M.Balasaraswathi	PPT/Lecture Videos
15.	**Elective -** Coastal and Offshore Structures	Dr.S.Sundararaman	PPT/Lecture Videos
16.	**Elective -** Failure Assessment and Rehabilitation of Structures	Mr.S.Azhagarsamy	PPT/Lecture Videos

3.3 List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1.	Workshop on "SAP Software"	Dr. P.Revathi Asst. Professor, Department of Civil Engineering, Pondicherry Engineering College, Puducherry.	12.02.2022	119
2.	Hands on Training on "Geodetic Surveying"	Ladder Survey Pvt.Ltd Chennai	06.11.2021	119
3.	Workshop on "Structural Analysis"	Dr. S.Thirugnanasambandam Ph.D., Professor Department of Civil & Structural Engineering Annamalai University	25.09.2021	119
4.	Workshop on "Economics and its importance for Civil Engineers"	Dr.A.Rose Enid Teresa Professor and Head, Dept. of Civil Engineering, Rajalakshmi Engineering College, Chennai	11.09.2021	119

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5.	Workshop on "Modern Materials for Construction"	Er.V.R.Ajitchandran, Consulting Engineer, ChairmanACCE(I), Puducherry Center	17.08.2021	119
6.	Hands on Training on "Geotechnical Engineering Laboratory"	Dr.S.Pradeepkumar, M.Tech., Ph.D., Assistant Professor, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad.	10.07.2021	119
7.	Preparatory Plan for UPSC Civil Services Exam	Mr.Ram Prabhu, Senior UPSC Counseller, BYJU'S.	14.06.2021	51
8.	An Introduction to Geotechnical Explorations and Report Writing	R.Shanmugapriya, Research Scholar, IIT Madras	05.07.2021	86
9.	'Awas Par Samvaad' Scheme on "Measures of Quality Control & Assurance in housing projects"	• Er.S.Ragunathan, Chief Engineer (Rtd), PWD, Puducherry • Er.T.Vaittainadane, Assistant Engineer (Rtd.), PWD, Puducherry • Er.S. Thirougnaname, Assistant Engineer, PWD, Puducherry • Er. M. Kandarselvan, Town Planner, Town & Country Planning Department, Puducherry • Er. S. Sivakandan, Chairman ICI, Puducherry Center Puducherry	11.09.2021	86
10.	Construction Practices	Er.K.Arivajagane, President, PONCEA, Puducherry	29.10.2021	51
11.	Energy Efficient Building Materials	Er.K.Magalingame, Past President, PONCEA, Puducherry	29.10.2021	119
12.	Seminar on Sketch up	R.Udhayasankar, Civil engineering software Trainer, Erode	16.11.2021	100
13.	Good Construction Practices	Er. A. Madura Muthu, Consulting Civil Engineer, Villupuram	10.02.2022	63

3.4 Activities for Slow and Advanced Learners

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
I Year / II Semester / 2020-2024					
1.	Engineering Mathematics - II Multiple Integrals and Transforms	Mr.S.Kalaiselvan	Yes	6	Yes
2.	Basic Electrical and Electronics Engineering	Mr.J.Muruganandham	Yes	6	Yes
3.	Green Buildings	Mr.S.Tiroumalai	Yes	12	Yes
4.	Mechanics of Solids - I	Mr.G.Senthil Raj			
5.	Fluid Mechanics and Machinery	Mr.C.RajGovind	Yes	05	Yes
6.	Building Construction	Mrs.P.Poonthaleer	Yes	03	Yes

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III Year /V Semester / 2019-2023					
1.	Operations Research	Mr.R.Rajesh	Yes	03	Yes
2.	Structural Analysis – I	Mr.S.Sivaprasath	Yes	03	Yes
3.	Geotechnical Engineering - II	Mrs.S.Banupriya	Yes	6	Yes
4.	Environmental Engineering - I	Dr.S.Jayakumar	Yes	5	Yes
5.	**Professional Elective - II** Ground Improvement Techniques	Mrs.S.Nivedita	Yes	12	Yes
6.	**Open Elective - II** Project Management for Engineers	Mrs.C.Sarika	Yes	04	Yes
IV Year /VII Semester / 2018-2022					
1.	Design of steel structures	Mr.A.Aravinth	Yes	03	Yes
2.	Hydrology & Water Resources Engineering	Ms.K.M.Balasaraswathi	Yes	04	Yes
3.	**Elective -** Coastal and Offshore Structures	Dr.S.Sundararaman	Yes	03	Yes
4.	**Elective -** Failure Assessment and Rehabilitation of Structures	Mr.S.Azhagarsamy	Yes	05	Yes

3.5 Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	-
2	Class wise student Profile Record Maintained	Yes	-
3	Mentor – Mentee Session Record Maintained	Yes	-

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
119	25	1:5

3.6 Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	-
2	Seminar / Project Review Record	Yes	-
3	End Semester Examination Record	Yes	-
4	Student Grade Report	Yes	-

3.7 Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	-
2	Correlation of COs with POs and PSOs for each Course	Yes	-
3	Course Outcome Attainment Calculated	Yes	Target Attainment level 3
4	PSO and PO attainment through CO	Yes	-

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3.8 Student Performance in End Semester Examination

I Year / II Semester / 2020-2024

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	33	
2	Number of All Clear Students	28	
3	Number of Students passed with Distinction	-	
4	Number of Students passed with First Class	-	Nil
5	Number of Students passed with Second Class	-	
6	Number of Students Failed	05	
7	Passing Percentage	84.85%	

III Year / V Semester – 2019-2023

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	35	
2	Number of All Clear Students	31	
3	Number of Students passed with Distinction	-	
4	Number of Students passed with First Class	-	Nil
5	Number of Students passed with Second Class	-	
6	Number of Students Failed	04	
7	Passing Percentage	88.57%	

IV Year / VII Semester – 2018-2022

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	51	
2	Number of All Clear Students	45	
3	Number of Students passed with Distinction	-	
4	Number of Students passed with First Class	-	Nil
5	Number of Students passed with Second Class	-	
6	Number of Students Failed	06	
7	Passing Percentage	88.24%	

SECTION – IV : STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	119	-
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	119	-
3	Student Exit Survey conducted and Analysed	No	51	-
4	Alumni Feedback conducted and Analysed	No	51	-

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SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS

5.1 Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
1	Dr. S. Sundararaman	Experimental study of cellular lightweight concrete using fly ash and varying dosages of polyethylene glycol-6000	V land Best Hub, Puducherry	1	1 year
2	Mr. K. Srinivasan	Desalination of brackish water by developing bio filter model using natural materials	V land Best Hub, Puducherry	0.75	1 year
3	Mr. S. Azhagarsamy	Building design in virtual reality modelling	Ladder Survey Pvt. Ltd, Chennai	0.5	1 year
4	Mr. K. S. Prasath	Smart bin using internet of things (IoT)	V land Best Hub, Puducherry	0.75	1 year

5.2 Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consultancy
1	G. Senthilraj	Material Testing	Consultancy	Kamalam Contractor, Villupuram	10,000
2	G. Senthilraj	Material Testing	Consultancy	KSR Contractor, Villupuram	30,000
3	K.S.Prasath	Material Testing	Consultancy	PWD Villupuram	40,000
4	G. Senthilraj	Material Testing	Consultancy	Dhakshnamoorthy Contractors, Villupuram	10,000
5	G. Senthilraj	Material Testing	Consultancy	SE Builders, Villupuram	5,000

5.3 Faculty Publications

Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Impact Factors
1	2018-2019	18	-	-	-	-
2	2019-2020	3	4	-	1	-
3	2020-2021	21	8	-	-	-
4	2021-2022	11	-	-	-	-

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	5
Number of Publication in International Journals	35
Number of Publication in National Conferences	1
Number of Publication in International Conferences	2
Number of Books / Book Chapters	Nil
Number of Patent (Filed)	Nil
Number of Patents Granted	3

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
1.	Studies on the Properties of Polymer Mesh Induced Ferro cement	Dr.S.Jayakumar	Alochana Chakra Journal	ISSN NO: 2231-3990.
2.	A Study on Behaviour of Expansive Soil Treated With Jute Fibre, Coir Fiber, Fly Ash, Hydrated Lime And Bagasse Ash	K.Srinivasan	Alochana Chakra Journal	ISSN NO: 2231-3990.
3.	An Experimental Investigation on Strength Properties and Air Purification Capacity of Self Cleaning Concrete	Dr.S. Sundararaman	Alochana Chakra Journal	ISSN NO: 2231-3990.

S. No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Inde xing
1.	Enhancing the Performance of Recycled Coarse Aggregate Concrete through the use of Supplementary Cementing Material	Prasath K S	International Journal of Advanced Science and Technology	29(10s), 6808 - 6824.	
2.	An Experimental work on Reactive Powder Concrete using Quartz Sand and Metakaolin	Prasath K S	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075, Volume-9 Issue-4, February 2020	
3.	An Experimental Study on Bamboo Fibre Reinforced Hollow Concrete Block	Dr.S.Jayakuma r	SSRG International Journal of Civil Engineering	Volume 7 Issue 5 – May 2020	
4.	Study on Properties of TRI Block Masonry	Dr.S.Jayakuma r	The International Journal OF Analytical and Experiment Modal Analysis	ISSN 0886-9367 Volume XII ,Issue V,May 2020.	

Academic year 2018-19

S. No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Inde xing
1.	An Experimental Study on Deterioration of Concrete in Puducherry Coastal Region	Dr. S. Jayakumar, Srinivasan. K	IOSR Journal of Engineering (IOSR JEN)	ISSN (e): 2250-3021, ISSN (p): 2278-8719 PP 01-08	
2.	An Experimental Study on Purification of Leachate and Analysis of Its Application in Plant Growth	Dr. S. Jayakuma,r K. Srinivasan, S. Nivedita	IOSR Journal of Engineering	ISSN (e): 2250-3021, ISSN (p): 2278-8719 PP 09-13	
3.	An Experimental Study on Termite Tracker using Moisture sensor and Thermal camera	Dr. S. Jayakumar, K. Srinivasan	IOSR Journal of Engineering	ISSN (e): 2250-3021, ISSN (p): 2278-8719 PP 14-17	
4.	Studies on Treatment of Textile Effluent Using Activated Charcoal	Dr. S. Jayakumar, Nivedita. S, Srinivasan. K	IOSR Journal of Engineering	ISSN (e): 2250-3021, ISSN (p): 2278-8719 PP 22-25	
5.	Study on Wastewater Treatment By Advanced Oxidation Process	Dr. S. Jayakumar K. Srinivasan	IOSR Journal of Engineering	ISSN (e): 2250-3021, ISSN (p): 2278-8719 PP 26-32	

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No.	Title	Author	Journal	Details	
6.	A Parametric study on the Flexural behavior of HPC beams by Industrial by-products	Dr. T. Subbulakshmi, P. Manibalan	Elixir Journal of Civil Engineering	ISSN: 2229-7121, Volume 12, Issue 1, June 2018, pp. 512-516.	
7.	Experimental Investigation on Mechanical and Durability Properties of Concrete Incorporated with Quarry Dust	Prasath K. S	International Research Journal of Engineering and Technology	ISSN: 2395-0056 Volume: 06 Issue: 01	Jan 2019	
8.	Study on High Performance Double Blend Concrete with Supplementry Cementitious Material	Prasath K. S.	International Research Journal of Engineering and Technology	ISSN: 2395-0056 Volume: 06 Issue: 01	Jan 2019	
9.	A Study on Waste Nylon Fiber in Concrete	Prasath K. S	International Journal of Research and Innovation in Applied Science	Volume IV, Issue II, February 2019|ISSN 2454-6194	
10.	A Review on Recycled Fine Aggregate Concrete	Prasath K. S.	International Research Journal of Engineering and Technology	ISSN: 2395-0056 Volume: 06 Issue: 02 - Feb 2019	
Academic year 2017-18					
1.	Analysis of Contaminated soil and Measures implemented to increase its strength	Dr. S. Jayakumar, K. Srinivasan, R. ShanmugaPriya	International Journal of Advanced Research methodology in Engineering &Technology	ISSN 2456-6446,2(1) 90-93, Jan 2018.	
2.	Imaging Software in Construction Management	Dr. S. Jayakumar, K. Srinivasan, R. Shanmugapriya	International Journal of Advanced Research methodology in Engineering &Technology	ISSN 2456-6446,2(1),7-11, Jan 2018.	
3.	An analytical studies on high performance concrete incorporated with industrial by-products	T. Subbulakshmi	International Journal of Pure and Applied Mathematics	ISSN: 1314-3395, Volume 118, No. 24, 2018. pp.1-11	
4.	Modeling of compressive strength of High Performance Concrete using Artificial Neural Network	T. Subbulakshmi	International Journal of General Engineering and Technology	2278-9928, Volume 3, Issue 2, November 2017, pp. 21-30	
5.	Flexural strengthening of Reinforced HPC beams incorporated with by-products	T. Subbulakshmi	Journal of Advances in Environmental Sciences	Volume 2, Issue 1, November 2017, pp. 149- 155.	

6.	Strength Enhancement of concrete using steel slag	Prasath K. S	International Journal of Advanced Research Methodology in Engineering & Technology	ISSN 2456-6446 Volume 2, Issue 1, January 2018	
7.	Comparative study on replacement of silica fumes and steel slag with conventional concrete	K. Srinivasan, R. Shanmugapriya	International Journal of Advanced Research methodology in Engineering &Technology	ISSN 2456-6446,2(1),94-97,Jan 2018	
8.	Comparative study of RCC and Steel- Concrete composite structure	K. Srinivasan, R. Shanmugapriya	International Journal of Advanced Research methodology in Engineering &Technology	ISSN 2456-6446,2(1),86-89,Jan 2018	
Academic Year 2020-21					
1.	Effect of nano silica on compressive strength and durabilty in m-sand concrete	Dr. S. Sundararaman	Journal of Xidian University,	Vol. 14, Issue 6, 2020, ISSN: 1001-2400	
2.	Studies on the effect of titanium Dioxide on mechanical properties in msand Concrete	Dr. S. Sundararaman	Journal of Xidian University,	Vol. 14, Issue 6, 2020, ISSN: 1001-2400	
3.	Studies on the Strength and Durability Properties using Bagasse ash and M sand in concrete	Dr. S. Sundararaman	Proteus journal,	Vol. 11, Issue 6, 2020, ISSN: 0889-6348	
4.	An Approach Towards Redesign And Modernization Of Puducherry Bus Terminus	K.S. Prasath	International Journal of Disaster Recovery and Business Continuity,	Vol.11, No. 1 (2020), pp. 2128-2141, ISSN: 2005-4289	
5.	Tackling and reducing the vigor effect of air pollution using anti - smog tower	K.S. Prasath	Alochana Chakra Journal,	Vol. 9, Issue 6, 2020, ISSN: 2231-3990	
6.	An experimental study on air purifiying Pavement blocks using titanium dioxide (TIO2)	G. Yamuna	Alochana Chakra Journal,	Vol. 9, Issue 6, 2020, ISSN: 2231-3990	
7.	An assessment of parking standard for mahatma Gandhi Road, Puducherry	G. Yamuna	International Journal of Disaster Recovery and Business Continuity,	Vol.11, No. 1 (2020), pp. 2128-2141, ISSN: 2005-4289	
8.	An Assessment Study on carbon Emission Mapped Using GIS in Puducherry Region	Aswini A	International Journal of Disaster Recovery and Business Continuity,	Vol.11, No. 1 (2020), pp. 2128-2141, ISSN: 2005-4289	

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9.	Performance of Rapid Hardening Concrete made using Controlled Permeable Formwork liner	Aswini A	Alochana Chakra Journal,	Vol. 9, Issue 6, 2020, ISSN: 2231-3990	
10.	Bitublock-New Construction Units Composed of Recyled Waste Material Bound with Bitumen	D.Sathiyasree Dhanasekaran	Alochana Chakra Journal,	Vol. 9, Issue 6, 2020, ISSN: 2231-3990	
11.	Experimental research on effect of alkaline activator ratio in high strength geopolymer concrete	K.S. Prasath	Journal of Critical Reviews	Vol. 7, Issue 8, 2020, ISSN: 2394-5125	
12.	Experimental Study on Automated Indoor Air Quality Monitoring	Dr. Sundararaman.S	Journal of Shanghai Jiaotong University,	Vol. 16, Issue 7, 2020, ISSN: 1007-1172	
13.	Critical assessment on treatment and remediation of municipal solid waste leachate	A.Sathyapriya	Aut Aut Research Journal,	Vol. 9, Issue 6, 2020	
14.	A Review on Construction of Building by using 3D Printing Technology	K.Srinivasan	International Journal of Scientific Research in Engineering and Management,	Vol. 4, Issue 7, 2020	
15.	Subgrade Soil Stabilization using Bagasse ash and Coir Fibre as a Reinforcing Material	K.Srinivasan	Scientific Research in Engineering and Management,	Vol. 4, Issue 7, 2020	
16.	Utilization of Cementitious Material from Ground granulated blast furnace slag, Metakaolin and Silica Fume in Stabilized Soil Blocks	K.Srinivasan	Scientific Research in Engineering and Management,	Vol. 4, Issue 7, 2020	
17.	Study of Light Weight Geopolymer Concrete using LECA	Mrs.A.Kalyani	Scientific Research in Engineering and Management,	Vol. 4, Issue 7, 2020	
18.	A Study on the Partial Replacement of Fine Aggregate by Using Pet Bottles	Mrs.A.Kalyani	Scientific Research in Engineering and Management,	Vol. 4, Issue 7, 2020	
19.	Influence of the Sea Water in the Mechanical Behaviour of the Fiber Reinforced Concrete	Mrs.A.Kalyani	Scientific Research in Engineering and Management,	Vol. 4, Issue 7, 2020	

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20.	A Theoretical Study on Replacement of Natural River Sand with Geo-Polymer Fly Ash Sand	S.Sivaprasath	Scientific Research in Engineering and Management,	Vol. 4, Issue 7, 2020	
21.	Experimental Studies on the Effect of External Confinement on the Behaviour of Concrete Columns	S.Sivaprasath	Scientific Research in Engineering and Management,	Vol. 4, Issue 7, 2020	
22.	A Literature Study on the Performance of Concrete with Geogrids	Aswini A	Scientific Research in Engineering and Management,	Vol. 4, Issue 7, 2020	
23.	Detection of Gas Leakage using Fumes Recognizer with Alert Message and Location of Leakage	Dr.S.Jayakumar	Journal of Xidian University,	Volume 15, Issue 5, 2021, ISSN No:1001-2400, 424-429	
24.	A 5D Approach towards Construction Management using Building Information Modeling (BIM)	Aswini .A	International Research Journal of Modernization in Engineering Technology and Science	Volume:03/Issue:05/May-2021, e-ISSN: 2582-5208	
25.	An Experimental Study on Partial Replacement of Fine Aggregate using Agro-Waste with Steel Fibre and GGBS	Azhagarsamy S	International Journal of Innovative Research in Technology, May 2021	Volume 7, Issue 12, ISSN: 2349-6002	
Academic Year 2021-22					
1.	Structural damages detection using ultrasonic sensor with automatic flaw messenger	Dr. S. Jayakumar	Journal of Xidian University	Vol. 15, Issue 5, 2021, ISSN: 1001-2400	
2.	The Automated Flood Detection and Warning System by using Sensors	A. Kalyani	International Journal of Innovative Research in Technology	June 2021, Volume 8, Issue 1 ISSN: 2349-6002	
3.	A Comparative Assessment on Pavement Conditions of Rural and Urban Roads	G. Yamuna	International Journal of Research Publication and Reviews	Vol (2) Issue (7) (2021) ISSN 2582-7421	
4.	An Experimental Study on Self-curing concrete Incorporated with Bagasse Ash and Polyethylene Glycol 600	Dr.S.Sundararaman	International Journal of Innovative Research in Technology	June 2021, Volume 8, Issue 1, ISSN: 2349-6002	

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Volume/Issue/ISSN	
5.	Systematic udometer with automated messages	S.Sivaprasath	International Research Journal of Modernization in Engineering Technology and Science	Volume:, 03/Issue:26/June-2021 e-ISSN: 2582-5208	
6.	An experimental study on the stabilization of expansive soils using coir fibre, eggshell powder and steel fibre	K.Srinivasan	International Research Journal of Engineering and Technology	Volume: 08 Issue: 05, May 2021 e-ISSN: 2395-0056	
7.	An assessment of existing road stretch towards sustainable transportation	G. Yamuna	International Research Journal of Modernization in Engineering Technology and Science	Volume:03/Issue: 26/June-2021 e-ISSN: 2582-5208	
8.	Risk Assessment in Construction of Highway Project	Azhagarsamy S	International Journal of Innovative Research in Technology	June 2021, Volume 8, Issue 1 ISSN: 2349-6002	
9.	Determination of ground water quality in puducherry region by using water quality index	S.Sivaprasath	International Journal of Scientific Research in Engineering and Management,	Volume: 05 Issue: 30	June - 2021	
10.	Crack Sensing and Filling Using Automatic Robot	D.Sathiyasree	International journal of innovative research in technology	June 2021| IJIRT	Volume 8 Issue 1 ISSN: 2349-6002	
11.	Analysis of Pothole detection by image processing method	K.S.Prasath	International Journal for Research in Applied Science &Engineering Technology	Volume 9, Issue VIII, August 2021 ISSN: 2321-9653	

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1.	Structural, Architectural, Building and Automation in sustainable Engineering"	Prasath K. S	Aditya Institute of Technology, Coimbatore	National conference	-	-

International Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1.	Integration of Advanced Technologies for Industry 4.0(ICIATI)	Prasath K. S	KCG College of Technology, Chennai	ICIATI	-	-
2.	AI and ML Application in Smart Buildings	Prasath K. S	VIT, Chennai	AMSB 2020	-	-
3.	AI and ML Application in Smart Buildings	Pallavi .B	VIT, Chennai	AMSB 2020	-	-
4.	Integration of Advanced Technologies for Industry 4.0(ICIATI)	Prasath K. S	KCG College of Technology, Chennai	ICIATI	-	-

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
Nil				

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1	Dr.S.Jayakumar	Dr V.S.K.Venkatachalapathy Dr.S.Jayakumar, V.Moorthy, Dr., Dr.S. Sundararaman, Dr.K. Velmurugan, K. Srinivasan, S.Sivaprasath	Cost Effective Fastening Bricks	09.12.2020	Australian Patent	Grant
2	Dr.S.Jayakumar	Dr. S. Jayakumar Dr. S. Sundararaman K. Srinivasan S. Sivaprasath A. Kalyani G. Yamuna K. S. Prasath	Device for Termite Tracking using Moisture Sensor and Thermal Imaging	04.09.2020	Indian Patent	Published

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| 3 | Dr.S.Jayakumar | Dr. S. Jayakumar , Dr. V.S.K. Venkatachalapathy, Dr. S. Sundararaman , Dr. K. Velmurugan, Mr.G.Senthil Raj , Mr.S.Azhagarsamy, Mrs.A.Sathiya Priya, Mrs.D.Sathiyasree, Mrs.S.Sinthana Gorky, Ms.B.Pallavi | Mechanism of biodeteriorati on of marine concrete by green algae-chaetomorpha antennina | 23.10.2020 | Indian Patent | Published |

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S. No	Name of the Students	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration		
			Duration	From	To
1.	Akshay. S	PWD - Government of Tamilnadu	15 Days	01-11-2021	15-11-2021
2.	Ashwinkumar. A.M	PWD - Government of Tamilnadu	15 Days	01-11-2021	15-11-2021
3.	Dhiliban. P	PWD - Government of Tamilnadu	15 Days	01-11-2021	15-11-2021
4.	Mithun.P	PWD - Government of Tamilnadu	15 Days	01-11-2021	15-11-2021
5.	Nedunchezhian. K	True Waves Associates	18 Days	20-12-2021	06-01-2022
6.	Noorul Hassan. S	True Waves Associates	18 Days	20-12-2021	06-01-2022
7.	Rutharapathi. E	True Waves Associates	18 Days	20-12-2021	06-01-2022
8.	Selva Bharathi Kumar. S	True Waves Associates	18 Days	20-12-2021	06-01-2022
9.	Magalakshmi. N	SRV Construction	18 Days	06-12-2021	22-12-2021
10.	Mary Rosily S Menachery	SRV Construction	18 Days	06-12-2021	22-12-2021
11.	Nalini. S	SRV Construction	18 Days	06-12-2021	22-12-2021
12.	Priyadharshini. L	SRV Construction	18 Days	06-12-2021	22-12-2021
13.	Srividhya. M	SRV Construction	18 Days	06-12-2021	22-12-2021
14.	Bavithra. R	Tarmarker	17 Days	01-12-2021	17-12-2021
15.	Jayasri. M	Tarmarker	17 Days	01-12-2021	17-12-2021
16.	Laknesh. N	Tarmarker	17 Days	01-12-2021	17-12-2021
17.	Barathan. R	T.K.Constructions	16 Days	15-11-2021	30-11-2021
18.	Gautham. M	T.K.Constructions	16 Days	15-11-2021	30-11-2021
19.	Krishnaa Dev. A	T.K.Constructions	16 Days	15-11-2021	30-11-2021
20.	Lokesh. K	T.K.Constructions	16 Days	15-11-2021	30-11-2021
21.	Vignesh. B	T.K.Constructions	16 Days	15-11-2021	30-11-2021
22.	Ashok. A	JRS Building Private LTD	13 Days	18-11-2021	30-11-2021

S. No	Name of the Students	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration		
			Duration	From	To
23.	Faizail Ahamed. M. Y	JRS Building Private LTD	13 Days	18-11-2021	30-11-2021
24.	Kishore Kumar. N	JRS Building Private LTD	13 Days	18-11-2021	30-11-2021
25.	Prashanth. S	JRS Building Private LTD	13 Days	18-11-2021	30-11-2021
26.	Thamizharasan. C	JRS Building Private LTD	13 Days	18-11-2021	30-11-2021
27.	Hari Piriya.T	PMM Construction	17 Days	06-12-2021	22-12-2021
28.	Jeevalakshmi. R	PMM Construction	17 Days	06-12-2021	22-12-2021
29.	Revathy. P	PMM Construction	17 Days	06-12-2021	22-12-2021
30.	Subhashini Sri. S	PMM Construction	17 Days	06-12-2021	22-12-2021
31.	Ashwinkumar. R	V.Panneerselvam PWD Contractor	16 Days	26-10-2021	10-12-2021
32.	Prassanth. K. P	V.Panneerselvam PWD Contractor	16 Days	26-10-2021	10-12-2021
33.	Rahul Kumar	V.Panneerselvam PWD Contractor	16 Days	26-10-2021	10-12-2021
34.	Rishi. G. A	V.Panneerselvam PWD Contractor	16 Days	26-10-2021	10-12-2021
35.	Senthilnaarayanan.A	V.Panneerselvam PWD Contractor	16 Days	26-10-2021	10-12-2021
36.	Thean Joshna. S	Build-Tech Construction	18 Days	06-12-2021	22-12-2021
37.	Yuvarani. M	Build-Tech Construction	18 Days	06-12-2021	22-12-2021
38.	Gowthamraj. K	A.Ravichandirane - Registered Engineer	18 Days	06-12-2021	22-12-2021
39.	Chandru.S	A.Ravichandirane - Registered Engineer	18 Days	06-12-2021	22-12-2021
40.	Devanathan. C	NKG Constructions	18 Days	06-12-2021	22-12-2021
41.	Dinagar. R	NKG Constructions	18 Days	06-12-2021	22-12-2021
42.	Vigneshwaran. D	NKG Constructions	18 Days	06-12-2021	22-12-2021
43.	Krishna Kumar. V	NKG Constructions	18 Days	06-12-2021	22-12-2021
44.	Janakiraman. V	S.R.V Hiring Construction	18 Days	06-12-2021	22-12-2021

6.2 Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
NIL				

6.3 Industrial Visit

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
1.	Dakshinachitra Museum	05.03.2022	119	119

6.4 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1.	L&T EduTech	May 2022	Education & Practices	5 Years
2.	DMS INEFRA, Puducherry	December 2020	Soil Test and Paver block	5 Years
3.	National Highways Authority of India	November 2020	Improvement in Transportation	5 Years
4.	Ladder Survey	February 2019	Surveying	4 Years
5.	V land Best Hub	October 2018	Concrete, Design	5 Years
6.	Ramco cement	December 2018	Concrete	5 Years

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	49
Number of Students opted Higher Studies	21
Number of Entrepreneur	02

7.1 Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1.	Bavithra. R	Cognizant Technology Solutions India Private Limited	4.0 Lakhs/Annum
2.	Laknesh. N	Cognizant Technology Solutions India Private Limited	4.0 Lakhs/Annum
3.	Magalakshmi. N	Cognizant Technology Solutions India Private Limited	4.0 Lakhs/Annum
4.	Priyadharshini. L	Cognizant Technology Solutions India Private Limited	4.0 Lakhs/Annum
5.	Srividhya. M	Cognizant Technology Solutions India Private Limited	4.0 Lakhs/Annum
6.	Barathan. R	Tata Consultancy Services	3.36 Lakhs/Annum
7.	Selva Bharathi Kumar. S	Tata Consultancy Services	3.36 Lakhs/Annum
8.	Thean Joshna. S	Tata Consultancy Services	3.36 Lakhs/Annum

7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1.	Deepika. S	Sastra Deemed to be University	M.Tech Structural Engineering
2.	Hariprasad. M	Hindustan Institute of Technology & Science (Deemed University)	M.Tech Structural Engineering and Concrete
3.	Jeeva Ra Ga	SRM Institute of Technology & Science (Deemed University)	M.Tech Environmental Engineering
4.	Shabana Jasmine .N	Dr. M.G.R. Educational and Research Institute(Deemed University)	Master of Business Administration
5.	Malar Vannan. S	Government College of Engineering	M.Tech Structural Engineering
6.	Chitharthan.R	Puducherry Technological University	M.Tech Structural Engineering
7.	Deebakraj .A	Puducherry Technological University	M.Tech Environmental Engineering
8.	Dhineshkumar .G	Puducherry Technological University	M.Tech Structural Engineering
9.	Ezhil Valavan. K	Puducherry Technological University	M.Tech Structural Engineering
10.	Iraianban.K	Puducherry Technological University	M.Tech Environmental Engineering
11.	Jananandhini .P	Puducherry Technological University	M.Tech Environmental Engineering
12.	Kiruthika.S	Puducherry Technological University	M.Tech Environmental Engineering
13.	Roshini .M	Puducherry Technological University	M.Tech Structural Engineering
14.	Yogeswaran. S	Puducherry Technological University	M.Tech (Environmental Engineering)
15.	Mithunraj G	Puducherry Technological University	M.Tech Structural Engineering
16.	Prasanna Raj .G	Puducherry Technological University	M.Tech Structural Engineering
17.	Barathcumar. G	Puducherry Technological University	M.Tech (Environmental Engineering & Management)
18.	Harinie.S	Puducherry Technological University	M.Tech (Environmental Engineering & Management)
19.	Sanjithram.V	Puducherry Technological University	M.Tech (Environmental Engineering & Management)
20.	Sivasubramanian.K	Puducherry Technological University	M.Tech (Environmental Engineering & Management)

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21.	Thulasidassan.R	Puducherry Technological University	M.Tech (Environmental Engineering & Management)

7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
1	Er.K.Surya	Er.Surya Civil Engineering & Contractor	Building Planning, Designing, Estimation, PPA Works	Thanakodi Building 1 floor, No.142, Anna Salai, Puducherry 605 001. Ph. 73972 44333
2	Er.K.Iraianban	Vism Builder's	Building Planning, Designing, Estimation, PPA Works	No.172, 2nd Floor, Mission Street, Puducherry- 605001. Ph. 9498896147

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1 Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1.	International Mother Language Day 2022	Department	21.02.2022	National	168
2.	Smart India Hackathon 2022	Department	08.03.2022	National	15
3.	Knowledge Enrichment Program	Department	09.03.2022	National	126
4.	World Water Day (Drawing Competition, Elocution,Short Film, Poster Making, Slogan Writing, Project Expo)	Department	22.03.2022	National	75
5.	Red Ribbon Club Activity (Poster Making, English Slogan Writing, Tamil Slogan Writing)	SMVEC	30.03.2022	National	75
6.	Mix Design	UltraTech Cement Limited	06.04.2022	National	126
7.	Project Expo	IEI	07.04.2022	National	126

8.2 FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants
			NIL		

SECTION – IX: ACHIEVEMENTS

9.1 Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1	V.Lokeshwaran S.Keerthyvasan S.Yogesh M.Muthukumaran	Bharathiayar Memorandam 100	SMVEC	Achievement
2	V.Lokeshwaran	Science and Technology Festival	Govt. of Puducherry	Achievement
3	Davakumar Harish Keesavamoorthy	Project Expo	SMVEC	2nd Prize

9.2 Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1	Dr.S.Sundararaman	ICI ,PONCEA,IEI,ISTE,Puducherry (State Level) Participated as chairperson for valuation Board at Pondicherry university (University Level)
2	Dr.S.Jayakumar	ICI ,PONCEA,IEI,ISTE,Puducherry (State Level)
3	Mr.Azhargarsamy	External Examiner
4	Mrs A.Sathiya Priya	External Examiner
5	Mr.K.Srinivasan	External Examiner
6	Ms.G.Yamuna	External Examiner
7	Mrs.A.Kalyani	External Examiner
8	Mrs.D.Sathiyasree	External Examiner
9	Mr.K.S.Prasath	External Examiner
10	Mr.C.Raj govind	External Examiner
11	Mrs.S.Banupriya	External Examiner
12	Mr.G.Senthil Raj	External Examiner
13	Mrs.S. Sinthanagorky	External Examiner
14	Mr.S.Tiroumalai	External Examiner
15	Mrs.V. Sivasankari	External Examiner

9.3 Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers bodies

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1	Mr.K.S.Prasath	Indian Journal of Science and Technology(Reviewer)
2	Mr.G.Yamuna	Indian Journal of Science and Technology(Reviewer)
3	Mr.K.Srinivasan	Indian Journal of Science and Technology(Reviewer)

9.4 Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S.No	Name of the Faculty	Name of Awards / Recognition
1		Nil

9.5 Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

S. No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1	Dr.S.Jayakumar	Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
2	Dr.S.Sundararaman	Fundamentals of Geotechnical and SE for Sustainable infrastructural Developmnet	ATAL	30.08.2021 to 03.09.2021
		Advanced Applications of Structural concrete in CE	KL University	07.06.2021 to 12.06.2021
		Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
3	A.Kalyani	Disaster Resilsence Infrastructure	ATAL	09.08.2021 to 13.08.2021
		Green Technolgy & Sustainable Engineering	ATAL	23.08.2021 to 27.08.2021
		sustainable construction practices	ATAL	30.08.2021 to 03.09.2021
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
		Advanced Applications of Structural concrete in CE	KL University	07.06.2021 to 12.06.2021
4	K.S.Prasath	Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
		ICT Tools for faculty	ICT Academy	12.07.2021 to 16.07.2021

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S. No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
		Structural Dynamics and Earthquake Resistant Design of Structures	ATAL	24.08.2021 to 28.08.2021
		Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
5	C.Raj govind	Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
		ICT Tools for faculty	ICT Academy	12.07.2021 to 16.07.2021
		Outcome based education	Sri Manakula Vinayagar Engineering College	30.11.2021 to 05.12.2021
6	K.Srinivasan	Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		ICT Tools for faculty	ICT Academy	12.07.2021 to 16.07.2021
		Outcome based education	Sri Manakula Vinayagar Engineering College	30.11.2021 to 05.12.2021
		Academic writing and IPR	Sharad Institute of Technology College of Engineering	23.09.2021 to 27.09.2021
7	S.Banupriya	Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		ICT Tools for faculty	ICT Academy	12.07.2021 to 16.07.2021
		Outcome based education	Sri Manakula Vinayagar Engineering College	30.11.2021 to 05.12.2021
8	S.Sivaprasath	Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
		ICT Tools for faculty	ICT Academy	12.07.2021 to 16.07.2021
9	K.M.Balasaraswa thi	Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
10	A.Aswini	Contemporary advances in Sustainable and Integrated Infrastructure	ATAL	02.08.2021 to 06.08.2021

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S. No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
		Recent Trends in Civil Engineering	Mailam Engineering College	28.02.2022 to 05.03.2022
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Outcome based education	Sri Manakula Vinayagar Engineering College	30.11.2021 to 05.12.2021
11	G.Yamuna	Smart Cities	ATAL	06.09.2021 to 10.09.2021
		Contemporary advances in Sustainable and Integrated Infrastructure	ATAL	02.08.2021 to 06.08.2021
		Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Recent and Emerging trendds in SE	Bansal Institute of Engineering and Technology, UP	28.02.2022 to 05.03.2022
		Outcome based education	Sri Manakula Vinayagar Engineering College	30.11.2021 to 05.12.2021
12	S.Nivedita	Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Recent Trends in Civil Engineering	Mailam Engineering College	28.02.2022 to 05.03.2022
13	D.Sathiyasree	Recent advances in management and Processing of industrial and domestic waste	ATAL	16.08.2021 to 20.08.2021
		sustainable construction practices	ATAL	30.08.2021 to 03.09.2021
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Latest innovation in Transportation Engineering and Infrastructure Development	Kalasalingam University	21.06.2021 to 26.06.2021
		Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
14	G.Senthil Raj	Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Recent Trends in Civil Engineering	Mailam Engineering College	28.02.2022 to 05.03.2022
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
15	B.Pallavi	Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021

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| S. No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
		ICT Tools for faculty	ICT Academy	12.07.2021 to 16.07.2021
		Outcome based education	Sri Manakula Vinayagar Engineering College	30.11.2021 to 05.12.2021
16	S.Azhagarsamy	Structural Dynamics and Earthquake Resistant Design of Structures	ATAL	24.08.2021 to 28.08.2021
		Advanced Applications of Structural concrete in CE	KL University	07.06.2021 to 12.06.2021
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Recent Trends in Civil Engineering	Mailam Engineering College	28.02.2022 to 05.03.2022
17	A.Sathiya priya	Disaster Resilsence Infrastructure	ATAL	09.08.2021 to 13.08.2021
		Green Technolgy & Sustainable Engineering	ATAL	23.08.2021 to 27.08.2021
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Recent Trends in Civil Engineering	Mailam Engineering College	28.02.2022 to 05.03.2022
18	K. Aravinth	Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
19	D. Ravi kumar	Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
		ICT Tools for faculty	ICT Academy	12.07.2021 to 16.07.2021
20	R. Badhrinadhan	Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		ICT Tools for faculty	ICT Academy	12.07.2021 to 16.07.2021
		Outcome based education	Sri Manakula Vinayagar Engineering College	30.11.2021 to 05.12.2021
21	S. Sinthanagorky	Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021

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S. No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
22	C.Sarika	Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
		ICT Tools for faculty	ICT Academy	12.07.2021 to 16.07.2021
		Outcome based education	Sri Manakula Vinayagar Engineering College	30.11.2021 to 05.12.2021
23	S.Madivanan	Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		ICT Tools for faculty	ICT Academy	12.07.2021 to 16.07.2021
		Outcome based education	Sri Manakula Vinayagar Engineering College	30.11.2021 to 05.12.2021
24	S.Tiroumalai	Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Recent Trends in Civil Engineering	Mailam Engineering College	28.02.2022 to 05.03.2022
25	V.Sivasankari	Thrust Area of Research in Civil Engineering	Dr.N.G.P Institute of Technology	14.06.2021 to 19.06.2021
		Exploring Entrepreneurship & Startup Opportunities	Sri Venkateshwaraa College of Engineering	05.07.2021 to 09.07.2021
		Green Concrete Technology	VelTech University	21.02.2022 to 25.02.2022

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit

Head of the Department

Signature of the Internal Academic Audit Experts

Dr.A.Thiyagarajan
Associate Professor
Department of Mechanical Engineering
SMVEC
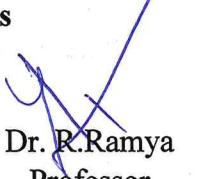
Dr. R.Ramya
Professor
Department of Electronics & Communication
Engineering, SMVEC

Recommendations:

Section	Remarks
Curricular Aspects	All relevant documents are verified
Teaching, Learning and Evaluation	SDC to have course content and to be shown during audit.
Structured Feedback	Feedback available and its analysis to be made ready for expert lectures /workshop conducted Internal Attainment tests for 1st Year / II Semester to be available for all courses
Research, Innovation and Publications	All relevant documents are verified
Collaborations and Linkages	All relevant documents are verified
Student Progression	All relevant documents are verified
Activity Conducted / Organized by the Department	Faculty to organize FDP in the department
Achievements	All relevant documents are verified
General Remarks	Most of the documents are available in the department except the file mentioned above

Signature of the Internal Academic Audit Experts

Dr.A.Thiyagarajan
Associate Professor
Department of Mechanical Engineering
SMVEC

Dr. R.Ramya
Professor
Department of Electronics & Communication
Engineering, SMVEC

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ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

MECHATRONICS

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Puducherry - 605 107

NAAC

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT
(Academic Year 2021-2022)
Internal Audit

SECTION –1 : BASIC INFORMATION

Audit Date	11.03.2022
Name of the Department	MECHATRONICS
Year of Establishment	2019
Head of the Department	Dr.G.Balamuruga Mohanraj

Number of full time Teachers	Professor	01
	Associate Professor	-
	Assistant Professor	08

Number of Technical Staff	01

Number of Students	For B.Tech:		For M.Tech	
	Year	Strength	Year	Strength
	First Year	38	First Year	-
	Second Year	30	Second Year	-
	Third Year	15	Total	-
	Fourth Year	-		
	Total	83		

Faculty Student Ratio	1:10	

SECTION –2 : CURRICULAR ASPECTS

2.1 Academic Plan

S.No	Particular	Availa ble (Yes / No)	Remarks
1	Department Academic Calendar	Yes	Academic calendar is framed every semester including the guest lectures, technical competitions and internals and project reviews
2	Faculty Subject Preferences	Yes	At the beginning of every semester subject preferences are collected from the faculties based on their specialization and separate forms are maintained in the department.
3	Elective choices from the Students	Yes	Different electives are floated among students, if more than 20 students optional elective that specific elective is chosen for the particular groups. The electives are categorized in different mechanical specializations.
4	Course allotment to the Faculty	Yes	Once the faculties give their subject willingness, HoD in discussion with academic coordinator allots subjects to the faculties.
5	Time Table (UG and PG)	Yes	Time table are framed by allotting 6 hours for analytical subjects

			(4 credit papers)with additional tutorial hour and 5 hours for theory subjects(3credit papers)
6	Lesson plan for each Course	Yes	Lesson plans are framed in aligned with academic calendar. The lesson plan is framed module wise.

2.2 Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1.	Dr.G.Balamuruga Mohanraj,	Chairman	B.Tech-MCTR	I,II,III and IV year
2.	Mr.P.Ramesh Kumar	Internal Member	B.Tech-MCTR	I,II,III and IV year
3.	Mr.S.Saravanan	Internal Member	B.Tech-MCTR	I,II,III and IV year
4.	Mr.S.Prakash.	Internal Member	B.Tech-MCTR	I,II,III and IV year
5.	Mr.Sivapriya.J	Internal Member	B.Tech-MCTR	I,II,III and IV year
6.	Mr.R Pradeep	Internal Member	B.Tech-MCTR	I,II,III and IV year

2.3 List of Professional Elective Courses offered by the department

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
1	III/ V	IoT for Mechatronics	U19MCE52	15

2.4 List of Open Elective Courses offered by Other department

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
1	III/ V	Mechanical	Creativity Innovation and New Product Development	U19MEO55	15

2.5 List of Skill Development Courses offered by the department

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
1.	III/V	Foreign Language / IELTS – I/ Career and Professional Skill Development Program – I	U19MCS51	15
2.	III/V	Skill Development Course 6 : Presentation Skills using ICT	U19MCS52	15

2.6 List of Certification Courses offered by the department

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
1.	I/II	Creo (Modeling and Simulation)	U20MCC231	23
2.	III/V	Certification Course – III : Creo (Modeling and Simulation)	U19MCC54	15

2.7 List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1.	I/II	Environmental Science	U20MCM202	23

2.	III/V	Essence of Indian Traditional Knowledge	U19MCM51	15

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1   Course Delivery

III Year / V Semester - (2019-2023)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Microprocessors and Controllers U19MCT51	Ms.R.SUNANTHA	45	45	45
2	Control Systems for Mechatronics Systems U19MCT52	Ms.Alaguselvi.R	60	60	60
3	CNC and Metrology U19MCT53	Dr.G.Balamuruga Mohanraj,	45	45	45
4	Thermal Engineering and Heat Transfer U19MCT54	Mr.S.Saravanan	60	60	60
5	Professional elective-II: IoT for Mechatronics U19MCE52	Mr. R.Hemanthkumar	45	45	45
6	Open elective-II: Creativity Innovation and New Product Development U19MEO55	Mr. M.Santhosh kumar	45	45	45
7	Microprocessor and Controllers Lab U19MCP51	Ms.R.SUNANTHA	30	30	30
8	CNC and Metrology Lab U19MCP52	Mr.S.Prakash.	30	30	30
9	Thermal Engineering Lab U19MCP53	Mr.S.Saravanan	30	30	30

I Year / II Semester - (2020-2024)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Engineering Mathematics-II (Multiple Integrals and Transforms) U20BST215	Mr.Rajesh	60	80	80
2	Programming in c U20EST201	Mr. S. Kumara krishnan	45	45	45
3	Engineering Mechanics U20EST219	Mr.S.Prakash	60	70	70
4	Introduction to Electronics Engineering U20EST249	Mr.S. Pushparaj	45	45	45
5	Materials Science and	Mr.E.Manikandan	45	45	45

	Metallurgy U20MCT202				
6	Manufacturing Technology U20MCT203	Mr.P.RAMESH KUMAR	45	45	45
7	Programming in C Lab U20ESP202	Mr. S. Kumara krishnan	30	30	30
8	Basic Electronics Engineering Lab U20ESP250	Mr.S. Pushparaj	30	30	30
9	Manufacturing Technology Lab U20MCP202	Mr.P.Rameshkumar	30	30	30

3.2 Use of ICT Tools in Teaching Learning

III Year / V Semester - (2019-2023)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Ms.R.SUNANTHA	Microprocessors and Controllers U19MCT51	
2	Ms.Alaguselvi.R	Control Systems for Mechatronics Systems U19MCT52	
3	Dr.G.Balamuruga Mohanraj,	CNC and Metrology U19MCT53	
4	Mr.S.Saravanan	Thermal Engineering and Heat Transfer U19MCT54	
5	Mr. R.Hemanthkumar	Professional elective-II: IoT for Mechatronics U19MCE52	Green Board with white chalk piece., PPT & Video Lecture
6	Mr. M.Santhosh kumar	Open elective-II: Creativity Innovation and New Product Development U19MEO55	
7	Ms.R.SUNANTHA	Microprocessor and Controllers Lab U19MCP51	
8	Mr.S.Prakash.	CNC and Metrology Lab U19MCP52	
9	Mr.S.Saravanan	Thermal Engineering Lab U19MCP53	

I Year / II Semester - (2020-2024)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr.Rajesh	Engineering Mathematics-II (Multiple Integrals and Transforms) U20BST215	Green Board with white chalk piece., PPT & Video Lecture
2	Mr. S. Kumara krishnan	Programming in c U20EST201	

3	Mr.S.Prakash	Engineering Mechanics U20EST219	
4	Mr.S. Pushparaj	Introduction to Electronics Engineering U20EST249	
5	Mr.E.Manikandan	Materials Science and Metallurgy U20MCT202	
6	Mr.P.RAMESH KUMAR	Manufacturing Technology U20MCT203	
7	Mr. S. Kumara krishnan	Programming in C Lab U20ESP202	
8	Mr.S. Pushparaj	Basic Electronics Engineering Lab U20ESP250	
9	Mr.P.Rameshkumar	Manufacturing Technology Lab U20MCP202	

3.3 List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audiance
	Nil			

3.4 Activities for Slow and Advanced Learners
III Year / V Semester - (2019-2023)

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Microprocessors and Controllers U19MCT51	Ms.R.SUNANTHA	Yes	4	Yes
2	Control Systems for Mechatronics Systems U19MCT52	Ms.Alaguselvi.R	Yes	4	Yes
3	CNC and Metrology U19MCT53	Dr.G.Balamuruga Mohanraj,	Yes	4	Yes
4	Thermal Engineering and Heat Transfer U19MCT54	Mr.S.Saravanan	Yes	4	Yes
5	Professional elective-II: IoT for Mechatronics U19MCE52	Mr. R.Hemanthkumar	Yes	4	Yes
6	Open elective-II: Creativity Innovation and New Product Development U19MEO55	Mr. M.Santhosh kumar	Yes	4	Yes

I Year / II Semester - (2020-2024)

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S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Engineering Mathematics-II (Multiple Integrals and Transforms) U20BST215	Mr.Rajesh	Yes	4	Yes
2	Programming in c U20EST201	Mr. S. Kumara krishnan	Yes	4	Yes
3	Engineering Mechanics U20EST219	Mr.S.Prakash	Yes	4	Yes
4	Introduction to Electronics Engineering U20EST249	Mr.S. Pushparaj	Yes	4	Yes
5	Materials Science and Metallurgy U20MCT202	Mr.E.Manikandan	Yes	4	Yes
6	Manufacturing Technology U20MCT203	Mr.P.RAMESH KUMAR	Yes	4	Yes

3.5 Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	Mentor-Mentee system is our integral part. For each mentors 10 students are allotted. The mentor maintains entire details about the students and does periodic counseling.
2	Class wise student Profile Record Maintained	Yes	Class wise student Profile Record Maintained by the class advisor
3	Mentor – Mentee Session Record Maintained	Yes	Mentor – Mentee Session Record Maintained by the mentors

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
83	09	1:10

3.6 Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	Maintained in the course files as well with the exam coordinator.
2	Seminar / Project Review Record	Yes	Periodic seminars are conducted by floating various advanced topics and project reviews are done regularly.
3	End Semester Examination Record	Yes	Maintained in the department exam cell
4	Student Grade Report	Yes	Maintained in the department exam cell

3.7 Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	Well stated and passed in BOS

2	Correlation of COs with POs and PSOs for each Course	Yes	Well stated and passed in BOS
3	Course Outcome Attainment Calculated	No	**Mention the target:** 55%(2019-2023) 60%(2020-2024) 65% (2021-2025)
4	PSO and PO attainment through CO		-

3.8 Student Performance in End Semester Examination

I Year / II Semester - (2020-2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	23	
2	Number of All Clear Students	23	
3	Number of Students passed with Distinction	-	
4	Number of Students passed with First Class	23	
5	Number of Students passed with Second Class	-	
6	Number of Students Failed	-	
7	Passing Percentage	100	

III Year / V Semester – (2019-2023)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	15	
2	Number of All Clear Students	13	
3	Number of Students passed with Distinction	-	
4	Number of Students passed with First Class	13	
5	Number of Students passed with Second Class	-	
6	Number of Students Failed	02	
7	Passing Percentage	86.66	

SECTION – IV : STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	83	-
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	15	-
3	Student Exit Survey conducted and Analysed	No	-	-
4	Alumni Feedback conducted and Analysed	No	-	-

SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS

5.1 Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
1	NIL				

5.2 Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consutancy
1	NIL				

5.3 Faculty Publications
Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Imapact Factos
1.	2020-2021	Comprehensive Advanced Specific Summarised Studies	Scopus		h-index	3.36
2.	2020-2021	Journal of Xidian University	Scopus		h-index	5.4
3.	2020-2021	Journal of Xidian University	Scopus		h-index	5.4
4.	2020-2021	Journal of Xidian University	Scopus		h-index	5.4

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	
Number of Publication in International Journals	4
Number of Publication in National Conferences	-
Number of Publication in International Conferences	-
Number of Books / Book Chapters	1
Number of Patent (Filed)	
Number of Patents Granted	

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
1	Nil			
2				

International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	Design and	Sharavanan Shunmugam, Dr.	Comprehensive	ISSN:2581-	h-index

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISSN	Indexed in
	Fabrication of Semi - Automatic Tank Cleaner	G. Balamuruga Mohan Raj, VSK.Venkatachalapathy	Advanced Specific Summarised Studies	6403	
2	Design and Fabrication of Solar Dryer Stabilization in Agriculture Application	S.Saravanan S.Jagan A.Giriprasath S.Prakash	Journal of Xidian University	ISSN No:1001-2400	**h-index**
3.	Multi-objective Optimization Approach to Solve a Parallel Machines Scheduling Problem	S.Duraithilagar, Balamuruga Mohanraj.G, R.Anandan, S.Arun kumar, E.Manikandan	Journal of Xidian University	ISSN No:1001-2400	**h-index**
4.	Analystic report of zirconum	Balamuruga mohanraj.g, e. Manikandan, S. Arunkumr K. Velmurugan, V.S, K.Venkatachalapathy	Journal of Xidian University	ISSN No:1001-2400	**h-index**

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	Nil					

International Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	Nil					

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	Robotics and Automation	Dr. G. Balamuruga Mohan Raj Dr. A. Thiagarajan	978-93-90781-09-6	ESN Publications India

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1	Nil					

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
1	HARISH C.S	Mettur Thermal Power Ststion	5 days	07.02.2022	11.02.2022

6.2 Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
1	Nil			

6.3 Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
	NIL			

6.4 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1	Not Applicable			

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	
Number of Students opted Higher Studies	Nil
Number of Entrepreneur	Nil

7.1 Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1	Not applicable		

7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1	Not applicable		

7.3 Entrepreneur

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S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
1	Not applicable			

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1 Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1.	Club Activity	Student Club Robotics and Drone club	10.03.2022	Inter Department Activity	5

8.2 FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants
	Nil				

SECTION – IX: ACHIEVEMENTS

9.1 Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1	Mukesh.V Shamuganpriyan Varadaraj, Anandhakeerthi. Roopashree, Prasanakumar and Gowtham	RoboRace Robo Soccer Robo Sumo	Hindhustan University	1 st , 2 nd prize Received cash amount Rs.44000
2.	Mukesh.V Shamuganpriyan Varadaraj, Anandhakeerthi. Roopashree, Prasanakumar and Gowtham	Robo Soccer Line follower	Srm University	1 st , 2 nd prize Received cash amount Rs.11000

9.2 Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1	Dr.G.Balamuruga Mohanraj	International Level

9.3 Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1	Nil	

9.4 Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S.No	Name of the Faculty	Name of Awards / Recognition

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	1	Dr.G.Balamuruga Mohanraj	Education Excellence Award - 2021

9.5   Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

S.No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1	Nil			

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit

Head of the Department

Recommendations:

Section	Remarks
Curricular Aspects	All relevant documents are verified
Teaching, Learning and Evaluation	All relevant documents are verified
Structured Feedback	All relevant documents are verified
Research, Innovation and Publications	All relevant documents are verified
Collaborations and Linkages	Arrange industrial visit
Student Progression	Not applicable
Activity Conducted / Organized by the Department	Insisted to conduct FDP/Workshop/STTP in the department
Achievements	All relevant documents are verified
General Remarks	All relevant documents are verified

Signature of the Internal Academic Audit Experts
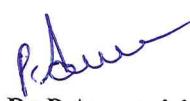
Dr.P.Arunagiri
Associate professor
Department of Electronics & Communication
Engineering
SMVEC.

Dr.M.Ganesan
Associate professor
Department of computer Science & Engineering
SMVEC.

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SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
An Autonomous Institution,
Accredited by NAAC with 'A' grade
Puducherry - 605 107

NAAC

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

BIO MEDICAL ENGINEERING

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NAAC

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT
(Academic Year 2021-2022)
Internal Audit

SECTION –1: BASIC INFORMATION

Audit Date	11.03.2022
Name of the Department	BIOMEDICAL ENGINEERING
Year of Establishment	2019
Programs Offered	

Name of the Program	Approved Intake
B.Tech – Biomedical Engineering	60

Head of the Department	Dr.A.Vijayalakshmi

Number of full time Teachers		
Professor	1	
Associate Professor		
Assistant Professor	11	

Number of Technical Staff	

Number of Students

For B.Tech:

Year	Strength
First Year	39
Second Year	48
Third Year	35
Fourth Year	-
Total	122

For M.Tech

Year	Strength
First Year	-
Second Year	-
Total	-

Faculty Student Ratio	1:15

SECTION –2: CURRICULAR ASPECTS

2.1   Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1	Department Academic Calendar	Yes	
2	Faculty Subject Preferences	Yes	
3	Elective choices from the Students	Yes	
4	Course allotment to the Faculty	Yes	
5	Time Table (UG and PG)	Yes	
6	Lesson plan for each Course	Yes	

2.2 Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1	Dr.A.Vijayalakshmi, Professor and Head Department of Biomedical Engineering	Chairman	B.Tech–BME 1. Digital Logic Circuits	I,II&III/I-VI
2	Dr.S.Senthil Kumar Assistant Professor Specialization: Biomedical Instrumentation	Internal Member	B.Tech 1. Human Anatomy and Physiology	I/I
			2. Biomedical Instrumentation	III/V
			3. Biomedical Instrumentation Laboratory	III/V
3	Mr.K.Prabhakaran Assistant Professor Specialization:Embedded System Technologies	Internal Member	B.Tech 1. Diagnostic and Therapeutic Equipments	III/VI
			2. Diagnostic and Therapeutic Equipments Laboratory	III/VI
			3. Laser and Fiber Optics in Medicine	III/V
4	Mr.K.Dhivakar Assistant Professor Specialization: Applied Electronics	Internal Member	B.Tech 1.Medical Internet of Things	III/VI
			2. Medical Internet of Things Laboratory	III/VI
5	Ms.H.Kala Assistant Professor Specialization: Biomedical Instrumentation	Internal Member	B.Tech 1. Biosignals and Systems	II/III
6	Ms.S.Rajalakshmi Associate Professor Specialization:VLSI & ES	Internal Member	B.Tech 1. Biosensors and Transducers	II/III

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			2. Biosensors and Transducers Laboratory	II/III
7	**Mr.R.S.Shiyamsundar** Assistant Professor: Specialization:Applied Electronics	Internal Member	B.Tech 1. Medical Image Acquisition Techniques	III/VI
			2. Biocontrol Systems	III/V
			3. Computation Laboratory	III/V
8	**Ms.S.Gowthami Devi** Assistant Professor: Specialization:ECE	Internal Member	B.Tech 1. Artificial Intelligence in Machine Learning	III/VI
			2. Biomechanics	III/V
9	**Mr.R.Mohan** Assistant Professor: Specialization:Medical Biotechnology	Internal Member	B.Tech 1. Microcontroller and Embedded Systems	III/VI
			2.Microcontroller and Embedded Systems Laboratory	III/VI
10	**Mr.P.M.Bharath** Assistant Professor Specialization:Embedded System Technologies	Internal Member	B.Tech 1. Basic Electrical Circuits	I/I
			2. Basic Electrical Circuits Laboratory	I/I
11	**Mr.R.Vignesh Raj** Assistant Professor Specialization:Nano Technology	Internal Member	B.Tech 1. Biophysics and Biochemistry	I/I
			2. Biophysics and Biochemistry Laboratory	I/I
12	**Mrs.S.Arunthathi** Assistant Professor Specialization:Medical Electronics	Internal Member	B.Tech 1. Biomechanics	II/III
			2. Digital Logic Circuits Laboratory	II/III

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2.3   List of Professional Elective Courses offered by the department

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
1	III/V	Laser and Fiber Optics in Medicine	U19BME53	35

2.4   List of Open Elective Courses offered by Other department

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
1	III/V	MBA	Product Development and Design	U19HSO51	35

2.5   List of Skill Development Courses offered by the department

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
1	III/V	Foreign Language / IELTS – I/ Career and Professional Skill Development Program – I	U19BMS51	35
2	III/V	Presentation Skills using ICT	U19BMS52	35

2.6   List of Certification Courses offered by the department

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
1	III/V	Android Medical App Development	U19BMC51	35
2	I/II	Introduction to C++ Programming	U20BMC258	48

2.7 List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1	III/V	Essence of Indian Traditional Knowledge	U19BMM51	35
2	1/II	Environmental Science	U20BMM202	48

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1   Course Delivery

II Year / V Semester - (2019-2023)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Bio Statistics / U19BMT51	Dr.K.Kamala	60	60	62
2	Biomechanics / U19BMT52	Ms.S.Gowthami Devi	45	45	48

3	Biomedical Instrumentation / U19BMT53	Dr.S.Senthil Kumar	45	45	50
4	Biocontrol Systems / U19BMT54	Mr.R.S.Shiyamsundar	60	60	62
5	Professional Elective-II /Laser and Fiber Optics in Medicine / U19BME53	Mr.K.Prabhakaran	45	45	56
6	Open Elective-II /Product Development and Design/ U19HSO52	Mrs.S.Madiyarasi	45	45	58
7	Statistical Laboratory/ U19BMP51	Dr.K.Kamala	30	30	30
8	Biomedical Instrumentation Laboratory / U19BMP52	Dr.S.Senthil Kumar	30	30	27
9	Computation Laboratory/ U19BMP53	Mr.R.S.Shiyamsundar	30	30	27
10	Hospital Training/ U19BMP54	Dr.S.Senthil Kumar	30	30	33

I Year / II Semester - (2020-2024)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Engineering Mathematics – II Multiple Integrals and Transforms / U20BST215	Dr.K.Kamala	60	60	62
2	Programming in C / U20EST201	Mrs.P.Gajalakshmi	45	45	56
3	Electron Devices and Circuits / U20BMT201	Mr.K.Prabhakaran	45	45	54
4	Pathology and Microbiology / U20BMT202	Dr.S.Senthil Kumar	45	45	54
5	Measurements and Instruments / U20BMT203	Mrs.H.Kala	45	45	52
6	Communication Systems / U20BMT204	Dr.A.Vijayalakshmi	45	45	48
7	Programming in C Laboratory / U20ESP202	Mrs.P.Gajalakshmi	30	30	32
8	Electron Devices and Circuits Laboratory / U20BMP201	Mr.K.Prabhakaran	30	30	28

9	Instrumentation Laboratory / U20BMP202	Mrs.H.Kala	30	30	28

3.2 Use of ICT Tools in Teaching Learning

III Year / V Semester - (2019-2023)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr.K.Kamala	Bio Statistics / U19BMT51	PPT& Video Lecture
2	Ms.S.Gowthami Devi	Biomechanics / U19BMT52	PPT& Video Lecture
3	Dr.S.Senthil Kumar	Biomedical Instrumentation / U19BMT53	PPT& Video Lecture
4	Mr.R.S.Shiyamsundar	Biocontrol Systems / U19BMT54	PPT& Video Lecture
5	Mr.K.Prabhakaran	Professional Elective-II /Laser and Fiber Optics in Medicine / U19BME53	PPT& Video Lecture
6	Mrs.S.Madiyarasi	Open Elective-II /Product Development and Design/ U19HSO42	PPT& Video Lecture
7	Dr.K.Kamala	Statistical Laboratory/ U19BMP51	Matlab Simulation
8	Dr.S.Senthil Kumar	Biomedical Instrumentation Laboratory / U19BMP52	PPT& Video demonstration
9	Mr.R.S.Shiyamsundar	Computation Laboratory/ U19BMP53	Matlab Simulation,
10	Dr.S.Senthil Kumar	Hospital Training/ U19BMP54	PPT& Video demonstration

I Year / II Semester - (2020-2024)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr.K.Kamala	Engineering Mathematics – II Multiple Integrals and Transforms / U20BST215	PPT& Video Lecture
2	Mrs.P.Gajalakshmi	Programming in C / U20EST201	PPT& Video Lecture
3	Mr.K.Prabhakaran	Electron Devices and Circuits / U20BMT201	PPT& Video Lecture
4	Dr.S.Senthil Kumar	Pathology and Microbiology / U20BMT202	PPT& Video Lecture
5	Mrs.H.Kala	Measurements and Instruments / U20BMT203	PPT& Video Lecture

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6	Dr.A.Vijayalakshmi	Communication Systems / U20BMT204	PPT& Video Lecture
7	Mrs.P.Gajalakshmi	Programming in C Laboratory / U20ESP202	Matlab Simulation
8	Mr.K.Prabhakaran	Electron Devices and Circuits Laboratory / U20BMP201	PPT& Video demonstration
9	Mrs.H.Kala	Instrumentation Laboratory / U20BMP202	Matlab Simulation,

3.3 List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1	Applications of Biosensors in Healthcare	Dr.ShankarRajan	08.12.2021	35
2	Biomechanism Technologies	Mr.J.Balaji	18.12.2021	48

3.4 Activities for Slow and Advanced Learners
III Year / V Semester - (2019-2023)

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Bio Statistics / U19BMT51	Dr.K.Kamala	Yes	3	Yes
2	Biomechanics / U19BMT52	Ms.S.Gowthami Devi	Yes	3	Yes
3	Biomedical Instrumentation / U19BMT53	Dr.S.Senthil Kumar	Yes	3	Yes
4	Biocontrol Systems / U19BMT54	Mr.R.S.Shiyamsundar	Yes	3	Yes
5	Professional Elective-II /Laser and Fiber Optics in Medicine / U19BME53	Mr.K.Prabhakaran	Yes	4	Yes
6	Open Elective-II /Product Development and Design/ U19HSO52	Mrs.S.Madiyarasi	Yes	3	Yes

I Year / II Semester - (2020-2024)

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Engineering Mathematics – II Multiple Integrals and Transforms / U20BST215	Dr.K.Kamala	Yes	4	Yes
2	Programming in C / U20EST201	Mrs.P.Gajalakshmi	Yes	3	Yes
3	Electron Devices and Circuits / U20BMT201	Mr.K.Prabhakaran	Yes	3	Yes
4	Pathology and Microbiology / U20BMT202	Dr.S.Senthil Kumar	Yes	3	Yes
5	Measurements and Instruments / U20BMT203	Mrs.H.Kala	Yes	3	Yes
6	Communication Systems / U20BMT204	Dr.A.Vijayalakshmi	Yes	3	Yes

3.5 Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	
2	Class wise student Profile Record Maintained	Yes	
3	Mentor – Mentee Session Record Maintained	Yes	

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor: Mentee Ratio
122	12	1:11

3.6 Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	
2	Seminar / Project Review Record	Yes	
3	End Semester Examination Record	Yes	
4	Student Grade Report	Yes	

3.7 Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	
2	Correlation of COs with POs and PSOs for each Course	Yes	
3	Course Outcome Attainment Calculated	Yes	Mention the target: 55%(2019-2023) 60%(2020-2024)

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	4	PSO and PO attainment through CO	Yes	65% (2021-2025)

3.8 Student Performance in End Semester Examination

III Year / V Semester – (2019-2023)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	35	
2	Number of All Clear Students	32	
3	Number of Students passed with Distinction	4	
4	Number of Students passed with First Class	30	
5	Number of Students passed with Second Class	1	
6	Number of Students Failed	3	
7	Passing Percentage	91.4%	

I Year / II Semester – (2020-2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	48	
2	Number of All Clear Students	38	
3	Number of Students passed with Distinction	6	
4	Number of Students passed with First Class	41	
5	Number of Students passed with Second Class	1	
6	Number of Students Failed	10	
7	Passing Percentage	79.16%	

SECTION – IV: STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	22	
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	17	
3	Student Exit Survey conducted and Analysed		–	
4	Alumni Feedback conducted and Analysed	–	–	

SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS

5.1 Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
1	–	–	–	–	–

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5.2   Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consultancy
1	-	-	-	-	-

5.3   Faculty Publications
Publication Details

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average ImpactFactor
1	2021-22	-	-	-	-	-

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	-
Number of Publication in International Journals	-
Number of Publication in National Conferences	-
Number of Publication in International Conferences	-
Number of Books / Book Chapters	-
Number of Patent (Filed)	-
Number of Patents Granted	-

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
1	-	-	-	-

International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	-	-	-	-	

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	-	-	-	-	-	-

International Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	-	-	-	-	-	-

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	-	-	-	-

Patent

S. No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1.	-	-	-	-	-	-

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1   Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
1	-	-	-	-	-

6.2   Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
1	-	-	-	-

6.3   Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
1	-	-	-	-

6.4   Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1	TMI SYSTEMS,New No.29,Krishnaswamy Avenue, Mylapore Chennai 600004	28.08.2021	Project Development, Faculty Development Programmes, Seminars, Workshops, Guest Lectures	24 Months

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	Not Applicable
Number of Students opted Higher Studies	Not Applicable
Number of Entrepreneur	Not Applicable

7.1   Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1	Not Applicable	-	-

7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1	Not Applicable	-	-

7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
1	Not Applicable	-	-	-

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1 Technical Event / Workshop for Student

S.No	Career Opportunities for Biomedical Engineers	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1	-	-	-	-	-

8.2 FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants
1	Applications of Biosensors in Healthcare	Biomedical engineering society of India	08.12.2021	National	5
2	Biomechanism Technologies	Biomedical engineering society of India	18.12.2021	National	4

SECTION – IX: ACHIEVEMENTS

9.1 Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1	R.Saathvika& Team	SIH - Internal Hackathon	SMVEC	Participation
2	John vianny&Shanthini	SIH - Internal Hackathon	SMVEC	Institution level selected team
3	R.Varshaa	Bharathiyar - Poetry competation	SMVEC	Participation
4	B.Anushiya& Team	Election commission of India	SWEEP	Participation

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9.2 **Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies**

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1	-	-

9.3 **Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers**

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1	-	-

9.4 **Awards / Prizes and Recognitions received by teachers at University, State, National and International Level**

S.No	Name of the Faculty	Name of Awards / Recognition
1	-	-

9.5 **Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level**

S. No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1	Dr. S. Senthil Kumar	Targeted delivery of green synthesized nanomaterials and their importance in 21st century	ATAL FDP, UTKAL University	07.7.2021 to 11.7.2021
2	Dr. S. Senthil Kumar	3D Printing Technology	ATAL FDP, Government Engineering College, Jhalawar, Rajasthan	12.7.2021 to 17.7.2021
3	Dr. S. Senthil Kumar	Recent Trends in BioMEMS and Medical Microdevices from devices to Application	AICTE Training and Learning (ATAL) Academy	20.08.2021 to 24.08.2021
4	Mr. R. Vignesh raj	RPA Design and Development	UIPath Academic Alliance	13.12.2021 to 17.12.2021
5	Mr. P.M.Bharath	Wireless Networks	Center of faculty development	20.12.2021 to 25.12.2021

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit

Head of the Department
Dr.A.Vijayalakshmi

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Recommendations:

Section	Remarks
Curricular Aspects	
Teaching, Learning and Evaluation	Record of counselling and mentoring to be updated and documented
Structured Feedback	
Research, Innovation and Publications	Efforts to be made in R&D to publish papers in reputed journals, applying patents and receive funds from external agencies
Collaborations and Linkages	
Student Progression	
Activity Conducted / Organized by the Department	
Achievements	
General Remarks	

Signature of the Internal Academic Audit Experts

Dr. K.Hemalatha
Associate Professor
Department of Mechanical Engineering
SMVEC, Puducherry

Dr.R.Kurunjimalar
Associate Professor
Department of Electronic and Communication
Engineering
SMVEC, Puducherry

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SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
An Autonomous Institution,
Accredited by NAAC with 'A' grade
Puducherry - 605 107

NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
An Autonomous Institution, Accredited by NAAC with 'A' grade
Puducherry - 605 107

NAAC

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT
(ACADEMIC YEAR 2021 - 2022)
INTERNAL AUDIT

SECTION –1 : BASIC INFORMATION

Audit Date	11.03.2022
Name of the Department	B.Tech(Artificial Intelligence and Data Science)
Year of Establishment	15.06.2020
Programs Offered	

Name of the Program	Approved Intake
B.Tech(Artificial Intelligence and Data Science)	120

Head of the Department	Dr. J.MADHUSUDANAN	
Number of full time Teachers	Professor	1
	Associate Professor	1
	Assistant Professor	8
Number of Technical Staff		

Number of Students

For B.Tech:

Year	Strength
First Year	112
Second Year	56
Third Year	-
Fourth Year	-
Total	-

For M.Tech

Year	Strength
First Year	-
Second Year	-
Total	-

Faculty Student Ratio	1:15

SECTION –2 : CURRICULAR ASPECTS

2.1   Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1	Department Academic Calendar	Yes	
2	Faculty Subject Preferences	Yes	
3	Elective choices from the Students	No	
4	Course allotment to the Faculty	Yes	
5	Time Table (UG and PG)	Yes (UG)	
6	Lesson plan for each Course	Yes	

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2.2 **Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs**

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1.	Dr. J.MADHUSUDANAN	Board Chairman	UG courses	UG all years
2.	Dr.M.AUXILIA	Subject Expert member	UG courses	UG all years
3.	K.PRAGASH	Subject Expert member	UG courses	UG all years
4.	R.RAJAN	Subject Expert member	UG courses	UG all years

2.3 **List of Professional Elective Courses offered by the department**

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
		NIL		

2.4 **List of Open Elective Courses offered by Other department**

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
			NIL		

2.5 **List of Skill Development Courses offered by the department**

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
1.	II/III	SDC 2- APTITUDE - II	U20ADS302	56

2.6 **List of Certification Courses offered by the department**

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
1.	I / I	Web Programming - I	U20ADC190	112
2.	II/III	Java Programming - III	U20ADC360	56

2.7 List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1.	I / I	Induction Program	U20ADM101	112

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1 Course Delivery

Semester:

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
I YEAR / I SEM					
1.	Engineering Mathematics – I Calculus and Linear Algebra / U20BST101	Mrs.S.Gokila	60	60	60
2.	Basic Electrical and Electronics Engineering / U20EST117	Ms.R.Aarthi	45	45	52
3.	Digital System Design / U20EST125	Mr.K.Muthukumaran / Dr.M.Auxilia	45	45	50
4.	Computer Programming – I (Programming In C) / U20EST127	Mr.R.Rajan / Mr.K.Pragash	45	45	50
5.	Fundamental of Data Science / U20ADT101	Mrs.Maragadhavalli Meenakshi / Mr.T.John Sunder Singh	45	45	50
6.	Digital System Design Laboratory / U20ESP126	Mr.K.Muthukumaran / Dr.M.Auxilia	30	30	33
7.	Computer Programming - I Laboratory (Programming in C) / U20ESP128	Mr.R.Rajan / Mr.K.Pragash	30	30	30
8.	Fundamental of Data Science Laboratory / U20ADP101	Mrs.Maragadhavalli Meenakshi / Mr.T.John Sunder Singh	30	30	33
II YEAR / III SEM					
9.	Probability and Statistics for Data Science	Mrs.S.Gokila	60	60	61
10.	Software Engineering and Agile Software Development	Mrs.Maragadhavalli Meenakshi	45	45	54
11.	Operating System Internals	Mr.K.Muthukumaran	45	45	53
12.	Algorithm Design and Analysis	Dr.J.Madhusudanan	45	45	54
13.	Fundamentals of Artificial	Dr.M.Auxilia	45	45	52

S.No		Name of the Course	Mr. R.Rajan	45	45	54
	Intelligence					
14.	Basic Machine Learning Techniques	Mr. R.Rajan	45	45	54
15.	Statistical Laboratory	Mrs.S.Gokila	30	30	30
16.	Algorithm Design and Analysis Laboratory	Dr.J.Madhusudanan	30	30	30
17.	Artificial Intelligence Laboratory	Dr.M.Auxilia	30	30	30
18.	Basic Machine Learning Techniques Laboratory	Mr. R.Rajan	30	30	30

3.2 Use of ICT Tools in Teaching Learning

Semester:

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
I YEAR / I SEM			
1.	Mrs.S.Gokila	Engineering Mathematics – I Calculus and Linear Algebra	PPT /lecture videos
2.	Ms.R.Aarthi	Basic Electrical and Electronics Engineering	PPT /lecture videos/animated videos
3.	Mr.K.Muthukumaran / Dr.M.Auxilia	Digital System Design	PPT /lecture videos/animated videos
4.	Mr.R.Rajan / Mr.K.Pragash	Computer Programming – I (Programming In C)	PPT /lecture videos/animated videos
5.	Mrs.Maragadhavalli Meenakshi	Fundamental of Data Science	PPT /lecture videos/animated videos
II YEAR / III SEM			
6.	Mrs.S.Gokila	Probability and Statistics for Data Science	PPT /lecture videos
7.	Mrs.Maragadhavalli Meenakshi	Software Engineering and Agile Software Development	PPT /lecture videos/animated videos
8.	Mr.K.Muthukumaran	Operating System Internals	PPT /lecture videos/animated videos
9.	Dr.J.Madhusudanan	Algorithm Design and Analysis	PPT /lecture videos/animated videos
10.	Dr.M.Auxilia	Fundamentals of Artificial Intelligence	PPT /lecture videos/animated videos
11.	Mr. R.Rajan	Basic Machine Learning Techniques	PPT /lecture videos/animated videos

3.3 List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audiance

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1	Autonomous Robotics	Alan Xavier	02.08.2021	54
2	Data Analytics in Process Industries and Quality	Vetri Chelvan	19.11.2021	108
3	Opportunities in Artificial Intelligence and Higher Studies in Abroad	Dr.Santhankrishnan.C	22.01.2022	54

3.4 Activities for Slow and Advanced Learners

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
			I YEAR / I SEM		
1.	Engineering Mathematics – I Calculus and Linear Algebra	Mr.S.Kalaiselvan	Yes	03	Yes
2.	Basic Electrical and Electronics Engineering	Ms.N.Swarnalakshmi	Yes	03	Yes
3.	Digital System Design	Dr.K.Kishore Anthuvan Sahayaraj	Yes	03	Yes
4.	Computer Programming – I (Programming In C)	Dr.J.Madhusudanan	Yes	03	Yes
5.	Fundamental of Data Science	Dr.V.Vijayalakshmi	Yes	03	Yes

3.5 Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	-
2	Class wise student Profile Record Maintained	Yes	-
3	Mentor – Mentee Session Record Maintained	Yes	-

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
168	10	1 :15

3.6 Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	–
2	Seminar / Project Review Record	NIL	–
3	End Semester Examination Record	Yes	–
4	Student Grade Report	Yes	–

3.7 Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	-
2	Correlation of COs with POs and PSOs for each Course	Yes	-
3	Course Outcome Attainment Calculated	Yes	**Mention the target: 3 Benchmark:** Level 1 --→70% and above of university average pass percentage Level 2 --→75% and above of university average pass percentage Level 3 --→80% and above of university average pass percentage **Target: Level 3**
4	PSO and PO attainment through CO	Yes	-

3.8 Student Performance in End Semester Examination

Semester – I (Batch 2021 – 2025)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	112	-
2	Number of All Clear Students	94	-
3	Number of Students passed with Distinction	38	-
4	Number of Students passed with First Class	57	-
5	Number of Students passed with Second Class	17	-
6	Number of Students Failed	18	-
7	Passing Percentage	83.9	-

Semester – III (Batch 2020 – 2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	56	-

2	Number of All Clear Students	42	-
3	Number of Students passed with Distinction	10	-
4	Number of Students passed with First Class	41	-
5	Number of Students passed with Second Class	05	-
6	Number of Students Failed	14	-
7	Passing Percentage	91	-

SECTION – IV : STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected		Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	Batch(2021 – 2025) 112	Batch(2020 – 2024) 56	-
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	80	30	-
3	Student Exit Survey conducted and Analysed	-	-		-
4	Alumni Feedback conducted and Analysed	-	-		-

SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS

5.1   Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
NIL					

5.2   Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consutancy
NIL					

5.3   Faculty Publications
Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Imapact Factos
NIL						

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Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	-
Number of Publication in International Journals	-
Number of Publication in National Conferences	-
Number of Publication in International Conferences	1
Number of Books / Book Chapters	1
Number of Patent (Filed)	-
Number of Patents Granted	-

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
		NIL		

International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
			NIL		

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
			NIL			

International Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1.		M.Auxilia, K.Raja, K. Kannan, A. Rajakumar	-	International Conference on Computing and Communication Networks	-	Springer Lecture Notes in Networks and Systemson 19th - 20th November 2021

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1.	Privacy and Security Challenges in Location Aware Computing	Dr. J.Madhusudanan	ISBN13: 9781799877561	IGI Global publisher

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
			NIL			

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SECTION – VI: COLLABORATIONS AND LINKAGES

6.1   Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
NIL					

6.2   Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
NIL				

6.3   Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
1.	NIL			

6.4   Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
NIL				

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	-
Number of Students opted Higher Studies	-
Number of Entrepreneur	-

7.1   Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
NIL			

7.2   Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
NIL			

7.3   Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
NIL				

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1 Technical Event / Workshop for Student
8.2

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
NIL					

8.3 FDP /Workshop / STTP / Conference for Faculty
8.4

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants
NIL					

SECTION – IX: ACHIEVEMENTS

9.1 Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1.	Gokul Prasath Ragul S Hari Guptha	National Level Virtual Hackathon	Bannari Amman Institute of Technology	First Place

9.2 Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1.	Dr. J.Madhusudanan	Board Chairman
2.	Dr.M.Auxilia	Subject Expert member
3.	K.Pragash	Subject Expert member
4.	R.Rajan	Subject Expert member

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9.3   Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
NIL		

9.4   Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S.No	Name of the Faculty	Name of Awards / Recognition
NIL		

9.5   Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

S.No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1.	Mrs.M MARGADHAVALLI MEENAKSHI	FDP on "IoT, AI and Blockchain: Insights and Open Cahllenges(IAB 2022)	SSN College of Engineering, Kalavakkam	01.03.2022 to 05.03.2022

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit

Head of the Department

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Recommendations:

Section	Remarks
Curricular Aspects	The well-designed curriculum reflects a commitment to academic excellence, offering a comprehensive foundation that aligns with contemporary educational standards.
Teaching, Learning and Evaluation	Need to conduct more expert lectures Training needs to be given for the outcome calculations
Structured Feedback	Implementation of structured feedback mechanisms highlights a proactive approach to student development, fostering continuous improvement and personalized learning experiences.
Research, Innovation and Publications	The department's focus on research, innovation, and publications showcases a culture of intellectual curiosity, contributing to advancements in knowledge and establishing a reputation for academic excellence.
Activity Conducted / Organized by the Department	The department demonstrates a holistic approach to education, fostering not only academic growth but also the development of well-rounded individuals through extracurricular engagement.
Achievements	Showcasing a commitment to nurturing talent, fostering innovation, achieving significant milestones in both academic and non-academic domains.
General Remarks	The department exhibits a commendable commitment to educational quality, with a focus on continuous improvement, innovation, and a student-centric approach that positively contributes to the institution's

Signature of the Internal Academic Audit Experts

Dr. D. Raja
Professor
Department of Electrical and Electronics
Engineering, SMVEC

Dr. N. Jothy
Professor
Department of Electronics and Communication
Engineering, SMVEC

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INTERNAL QUALITY ASSURANCE CELL

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ACCREDITATION COUNCIL

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

COMPUTER SCIENCE AND BUSINESS SYSTEMS

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INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT
Academic Year 2021-2022
Internal Audit

SECTION –1: BASIC INFORMATION

Audit Date	11.03.2022		
Name of the Department	Computer Science and Business Systems		
Year of Establishment	2020		
Programs Offered			

Name of the Program	Approved Intake
B.Tech. CSBS	60

Head of the Department	Dr. G. Shanmugasundaram		
Number of full time Teachers	Professor	1	
	Associate Professor		
	Assistant Professor	7	
Number of Technical Staff	-		
Number of Students	For B.Tech:		For M.Tech

For B.Tech:

Year	Strength
First Year	52
Second Year	53
Third Year	-
Fourth Year	-
Total	105

For M.Tech

Year	Strength
First Year	-
Second Year	-
Total	-

Faculty Student Ratio	1:20

SECTION –2 : CURRICULAR ASPECTS

2.1 Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1	Department Academic Calendar	Yes	
2	Faculty Subject Preferences	Yes	
3	Elective choices from the Students	No	
4	Course allotment to the Faculty	Yes	
5	Time Table (UG and PG)	Yes(UG)	
6	Lesson plan for each Course	Yes	

2.2 Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1.	Dr. G. Shanmugasundaram	Board Chairman	UG courses	UG all years

2.3   List of Professional Elective Courses offered by the department

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
Nil				

2.4   List of Open Elective Courses offered by other department

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
-			Nil		

2.5   List of Skill Development Courses offered by the department

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
Nil				

2.6   List of Certification Courses offered by the department

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
1.	I / II	Web Programming-II	U20CBCX91	54

2.7 List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1.	I / II	Environmental Sciences	U20CBM202	54

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1   Course Delivery

Year / Semester: I/II (2020-2024)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1.	Business Communication & Value Science – II / U20HST202	Mrs. G. Namitha	45	45	45
2.	Fundamentals of Economics / U20HST203	Dr. A. Vinoth	45	45	45
3.	Linear Algebra / U20BST216	Dr. K. Kamala	45	45	45
4.	Statistical Methods / U20BST217	Dr. T. Poovaragavan	45	45	45
5.	Principles of Electronics / U20EST251	Dr. S. Prem Kumar	45	45	45
6.	Data Structures & Algorithms / U20CBT201	Dr. G. Shanmugasundaram	45	45	45

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7.	Statistical Methods Laboratory / U20BSP218	Dr. T. Poovaragavan	30	30	30
8.	Principles of Electronics Laboratory / U20ESP252	Dr. S. Prem Kumar	30	30	30
9.	Data Structures & Algorithms Laboratory / U20CBP201	Dr. G. Shanmugasundaram	30	30	30

3.2 Use of ICT Tools in Teaching Learning

Year / Semester: I/II

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1)	Mrs. G. Namitha	Business Communication & Value Science – II / U20HST202	PPT /lecture videos
2)	Dr. A. Vinoth	Fundamentals of Economics / U20HST203	PPT /lecture videos/animated videos
3)	Dr. K. Kamala	Linear Algebra / U20BST216	PPT /lecture videos/animated videos
4)	Dr. T. Poovaragavan	Statistical Methods / U20BST217	PPT /lecture videos/animated videos
5)	Dr. S. Prem Kumar	Principles of Electronics / U20EST251	PPT /lecture videos
6)	Dr. G. Shanmugasundaram	Data Structures & Algorithms / U20CBT201	PPT /lecture videos

3.3 List of Expert Lectures / Workshop Conducted

S. No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
		NIL		

3.4 Activities for Slow and Advanced Learners

S. No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Business Communication & Value Science – II / U20HST202	Mrs. G. Namitha	Yes	10	Yes
2	Fundamentals of Economics / U20HST203	Dr. A. Vinoth	Yes	10	Yes
3	Linear Algebra / U20BST216	Dr. K. Kamala	Yes	10	Yes
4	Statistical Methods / U20BST217	Dr. T. Poovaragavan	Yes	10	Yes
5	Principles of Electronics / U20EST251	Dr. S. Prem Kumar	Yes	10	Yes
6	Data Structures & Algorithms / U20CBT201	Dr. G. Shanmugasundaram	Yes	10	Yes

3.5 Counseling and Mentoring

S. No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	-
2	Class wise student Profile Record Maintained	Yes	-
3	Mentor – Mentee Session Record Maintained	Yes	-

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor: Mentee Ratio
106	8	1:20

3.6 Internal Evaluation Systems

S. No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	-
2	Seminar / Project Review Record	Nil	-
3	End Semester Examination Record	Yes	-
4	Student Grade Report	Yes	-

3.7 Learning Outcomes

S. No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	-
2	Correlation of COs with POs and PSOs for each Course	Yes	-
3	Course Outcome Attainment Calculated	Yes	Mention the target: 3 Benchmark: Level 1 --→70% and above of university average pass percentage Level 2 --→75% and above of university average pass percentage Level 3 --→80% and above of university average pass percentage Target: Level 3
4	PSO and PO attainment through CO	Yes	-

3.8 Student Performance in End Semester Examination
Semester – I (2020-2024)

Sr. No	Particular	B. Tech	M. Tech
1	Number of Students appeared	53	-
2	Number of All Clear Students	53	-
3	Number of Students passed with Distinction (8.5)	32	-
4	Number of Students passed with First Class (6.5)	18	-
5	Number of Students passed with Second Class	-	-
6	Number of Students Failed	-	-
7	Passing Percentage	100%	-

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SECTION – IV : STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	54	-
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	20	-
3	Student Exit Survey conducted and Analysed	-	-	-
4	Alumni Feedback conducted and Analysed	-	-	-

SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS

5.1 Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
			NIL		

5.2 Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consutancy
			NIL		

5.3 Faculty Publications
Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Imapact Factos
1	2021-22	1	Web of Science	-	-	1.563
2	2020-21	1	Scopus	-	-	0.475

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	-
Number of Publication in International Journals	1
Number of Publication in National Conferences	-
Number of Publication in International Conferences	-
Number of Books / Book Chapters	-
Number of Patent (Filed)	-
Number of Patents Granted	-

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National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
		Nil		

International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	Squirrel Search Optimization–Based Cluster Head Selection Technique for Prolonging Lifetime in WSN's	N. Arunachalam **G. Shanmugasundaram** R. Arvind	Wireless Personal Communications, Springer	ISSN 0929-6212 (print)	Web of Science

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
			NIL			

International Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
			NIL			

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
		NIL		

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
-			NIL			

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
		Nil			

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6.2 Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
NIL				

6.3 Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
NIL				

6.4 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
NIL				

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	-
Number of Students opted Higher Studies	-
Number of Entrepreneur	-

7.1 Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
NIL			

7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
NIL			

7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
NIL				

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1   Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
-			NIL		

8.2   FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants
			NIL		

SECTION – IX: ACHIEVEMENTS

9.1   Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
-			NIL	

9.2   Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1	Dr. G. Shanmugasundaram	Board of Studies Chairman

9.3   Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
		NIL

9.4   Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S.No	Name of the Faculty	Name of Awards / Recognition
NIL		

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9.5   Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

S.No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1	Dr. G. Shanmugasundaram	Innovation Ambassador Training - Foundation Level	MoE's Innovation Cell & AICTE	30.06.2021 to 30.07.2021

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit.

Head of the Department

Recommendations:

Section	Remarks
Curricular Aspects	The well-designed curriculum reflects a commitment to academic excellence, offering a comprehensive foundation that aligns with contemporary educational standard.
Teaching, Learning and Evaluation	Need to conduct more expert lectures.
Structured Feedback	Implementation of structured feedback mechanisms highlights a proactive approach to student development, fostering continuous improvement.
Research, Innovation and Publications	The department focus on research, innovation and publications showcases a culture of intellectual curiosity, contributing to advancement in knowledge.
Collaborations and Linkages	The department has established effective collaborations and linkages with key stakeholders.
Student Progression	The department has established clear and measurable student progression goals.
Activity Conducted / Organized by the Department	The department demonstrates a holistic approach to education, fostering not only academic growth but also the development of well-rounded individual through extracurricular engagement.
Achievements	Showcasing a commitment to nurturing talent, fostering, innovation, achieving significant milestones in both academic and non-academic domains.
General Remarks	The department exhibits a commendable commitment to educational quality, with a focus on continuous improvement, innovation and a student centric approach that positively contribute to the institution's.

Signature of the Internal Academic Audit Experts

Dr.R. Kurinjimalar
Professor
Department of ECE, SMVEC

Dr. K. Hemalatha
Associate Professor
Department of Mechanical Engineering,
SMVEC

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Hemalatha.

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

COMPUTER SCIENCE AND COMMUNICATION

ENGINEERING

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INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT
(Academic Year 2021 – 2022)
Internal Audit

SECTION –1: BASIC INFORMATION

Audit Date	11.03.2022	
Name of the Department	Computer and Communication Engineering	
Year of Establishment	2020	
Programs Offered		

Name of the Program	Approved Intake
B.Tech	60

Head of the Department	Dr.V.Bharathi	
Number of full time Teachers	Professor	1
	Associate Professor	-
	Assistant Professor	5
Number of Technical Staff		
Number of Students	For B.Tech:	

Year	Strength
First Year	48
Second Year	-
Third Year	-
Fourth Year	-
Total	48

Faculty Student Ratio	1:10	

SECTION –2: CURRICULAR ASPECTS

2.1 Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1	Department Academic Calendar	Yes	
2	Faculty Subject Preferences	Yes	
3	Elective choices from the Students	No	
4	Course allotment to the Faculty	Yes	
5	Time Table (UG and PG)	Yes	
6	Lesson plan for each Course	Yes	

2.2   Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1	Dr.V.Bharathi Professor and Head Department of Computer and Communication Engineering	Chairman	B.Tech	I / I & II
2	Dr.S.Premkumar Professor Specialization: Communication Systems	Internal Member	B.Tech	I / I & II
3	Mrs.V.Logisvary Assistant Professor Specialization: Embedded Systems	Internal Member	B.Tech	I / I & II
4	Mrs.M.Julie Therese Assistant Professor Specialization: Communication Networks	Internal Member	B.Tech	I / I & II
5	Mr.C.Srithar Assistant Professor Specialization: VLSI System	Internal Member	B.Tech	I / I & II
6	Mr.Arokiaraj Christian St.Hubert Assistant Professor Specialization: Computer Science and Engineering	Internal Member	B.Tech	I / I & II
7	Ms.R.Sughanya Assistant Professor: Specialization: English	Internal Member	B.Tech	I / I & II
8	Mrs.S.Geetha Assistant Professor Specialization: Physics	Internal Member	B.Tech	I / I & II
9	Dr.S.Savithri Assistant Professor Specialization: Chemistry	Internal Member	B.Tech	I / I & II
10	Ms.D.Dheebia Assistant Professor Specialization: Mathematics	Internal Member	B.Tech	I / I & II

2.3   List of Professional Elective Courses offered by the department

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
1	II/IV	Basic DBMS	U19CCO41	71

2.4   List of Open Elective Courses offered by Other department

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
-	-	-	Not Applicable	-	-

2.5   List of Skill Development Courses offered by the department

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
1	I/II	Demonstration of Workshop Practice	U20CCS201	48

2.6   List of Certification Courses offered by the department

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
1	I/II	Web Programming-II	U20CCC291	48

2.7 List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1	I/I	Induction Program	U20CCM101	48
2	I/II	Environmental Science	U20CCM202	48

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1   Course Delivery
Semester: II (Batch: 2020 - 2024)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Engineering Mathematics –II Multiple Integrals and Transforms / U20BST215	Dr.K.Kamala	60	60	64
2	Programming in C / U20EST201	Mrs.V.Gomathi	45	45	46
3	Introduction to Web Technologies / U20CCT201	Mrs.T.Sivaranjani	45	45	46
4	Electronic Circuits / U20CCT202	Ms.R.Jegadeeswari	45	45	47
5	Digital Electronics / U20CCT203	Dr.V.Bharathi	45	45	46
6	Computer Organization / U20CCT204	Ms.A.Thivya	45	45	45
7	Programming in C Laboratory / U20ESP202	Mrs.V.Gomathi	30	30	32
8	Electronic Circuits Laboratory / U20CCP201	Ms.R.Jegadeeswari	30	30	32
9	Digital Electronics Laboratory / U20CCP202	Ms.A.Thivya	30	30	32

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3.2   Use of ICT Tools in Teaching Learning

Semester: II

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr.K.Kamala	Engineering Mathematics –II Multiple Integrals and Transforms / U20BST215	PPT& Video Lecture
2	Mrs.V.Gomathi	Programming in C / U20EST201	PPT& Video Lecture
3	Mrs.T.Sivaranjani	Introduction to Web Technologies / U20CCT201	PPT& Video Lecture
4	Ms.R.Jegadeeswari	Electronic Circuits / U20CCT202	PPT& Video Lecture
5	Dr.V.Bharathi	Digital Electronics / U20CCT203	PPT& Video Lecture
6	Ms.A.Thivya	Computer Organization / U20CCT204	PPT& Video Lecture Demonstration

3.3   List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1	Testing of Electronic Devices in Hardware	Mr.Raja	03.03.2021	48
2	Hands-on training on Photoshop	Mr.Akash	6.3.2021	48
3	Product Development stack	Mrs.M.Riswana Farween	15.11.2021	48

3.4   Activities for Slow and Advanced Learners

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Engineering Mathematics –II Multiple Integrals and Transforms / U20BST215	Dr.K.Kamala	Yes	5	Yes
2	Programming in C / U20EST201	Mrs.V.Gomathi	Yes	6	Yes
3	Introduction to Web Technologies / U20CCT201	Mrs.T.Sivaranjani	Yes	5	Yes
4	Electronic Circuits / U20CCT202	Ms.R.Jegadeeswari	Yes	5	Yes
5	Digital Electronics / U20CCT203	Dr.V.Bharathi	Yes	6	Yes
6	Computer Organization / U20CCT204	Ms.A.Thivya	Yes	5	Yes

3.5 Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	
2	Class wise student Profile Record Maintained	Yes	
3	Mentor – Mentee Session Record Maintained	Yes	

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
48	5	1:10

3.6 Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	
2	Seminar / Project Review Record	-	
3	End Semester Examination Record	Yes	
4	Student Grade Report	Yes	

3.7 Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	
2	Correlation of COs with POs and PSOs for each Course	Yes	
3	Course Outcome Attainment Calculated	Yes	Mention the target: 55% (C Grade and above)
4	PSO and PO attainment through CO	Yes	

3.8 Student Performance in End Semester Examination
Semester – II (Batch:2020- 2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	48	-
2	Number of All Clear Students	33	
3	Number of Students passed with Distinction	8	
4	Number of Students passed with First Class	23	
5	Number of Students passed with Second Class	2	
6	Number of Students Failed	15	
7	Passing Percentage	68.75	

SECTION – IV: STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	20	Feedback received from all the students by conducting 3 Quality Circle Meeting in each semester for all the first year students.

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2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	5	
3	Student Exit Survey conducted and Analysed	–	–	
4	Alumni Feedback conducted and Analysed	–	–	

SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS

5.1   Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
–	Not Applicable	–	–	–	–

5.2   Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consultancy
–	Not Applicable	–	–	–	–

5.3   Faculty Publications
Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Imapact Factos
1	2018 -2021	8 Papers Published	Out of which 5 are Scopus, and 3 are Web of Science Indexed journals.	42	3	UGC care list-2

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	
Number of Publication in International Journals	5
Number of Publication in National Conferences	
Number of Publication in International Conferences	
Number of Books / Book Chapters	
Number of Patent (Filed)	4
Number of Patents Granted	

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
–	–	–	–	–

International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	Enhanced Delay Locked Loop Based Wide Frequency Multiplier	V. Bharathi, M. Soussay Christine, A.R. Aysha	Journal of Advanced Research In Dynamical & Control Systems	Vol. 12, Issue-06, 2020, DOI:10.5373/JARDCS/V12I2/S20201395	Scopus
2	Detection of Wound in Human using HOG and HSV Algorithm	V.Bharathi, Oviya Kirubanandham, Kruthika, Z. Ifthikar Sultana, N. Kamali	Journal of Advanced Research In Dynamical & Control Systems	Vol. 12, Issue-06, 2020, DOI:10.5373/JARDC/V12I2/S20201395	Scopus
3	Smart Guidance System of Sightless Challengers	Dr.P.Raja Dr.V.Bharathi	International Journal of Future Generation Communication and Networking	Vol. 13, No. 3,2020	Web of Science
4	Sybil Attack Detection and Shielding In Manet Using Received Signal Strength Indicator	Dr.V.Bharathi, Dr. P, Raja, J. Akshaya, S. Kaviarasi, M, Mohana, Sabnam Dalai	International Journal of Grid and Distributed Computing	Vol. 13, No. 1, , ISSN: 2005-4262,2020 , pp. 1679–1687	Web of Science
5	Parkinson's Disease Classification Using Deep Convolutional Neural Network Based On Acoustic Signals	Dr.V.Bharathi, A. Devika, J. Jaya Nishanthini, A. Periya Prasanna, R. Sai Charanya	International Journal of Future Generation Communication and Networking	Vol. 13, No. 3, 2020	Web of Science

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
-	-	-	-	-	-	-

International Conference

S. No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
-	-	-	-	-	-	-

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
-	-	-	-	-

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1	Dr.P.Raja	Dr.V.Bharathi	Smart Refrigerator using Peltier Plate	202041033396 A & 21/08/2020	India	Published
2	Dr.P.Raja	Dr.V.Bharathi	A Furrower	202041033397 A & 21/8/2020	India	Published
3	Dr.V.Bharathi	Dr.V.Bharathi	Mechanized System of Integrated Shoe Cleansing and Polishing	202041045087 A & 30/10/2020	India	Published
4	Dr.P.Raja	Dr.V.Bharathi	Cost Effective Smart Sewage Treatment to Agriculture Fields	202041045102 A & 30/10/2020	India	Published

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
-	Not Applicable	-	-	-	-

6.2 Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
-	Not Applicable	-	-	-

6.3 Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
1	GT Electronic India Pvt. Ltd.,Thiruchitrambalam Koot Road, Villupuram	06.03.2021	I year CCE students	44

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6.4   Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
-	Not Applicable	-	-	-

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	-
Number of Students opted Higher Studies	-
Number of Entrepreneur	-

7.1   Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
-	Not Applicable	-	-

7.2   Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
-	Not Applicable	-	-

7.3   Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
-	Not Applicable	-	-	-

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1   Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1	Motivation talk	Department	4.02.2021	-	40
2	Essay writing/ Drawing and Painting competetion	Department	8.02.2021	-	12
3	Guest lecture on Women empowerment	Department	9.02.2021	-	46
4	Memory game	Department	10.02.2021	-	35
5	Guest lecture by Industrial person	Department	11.02.2021		48
6	LOGO contest	Department	12.02.2021	-	10
7	Singing song and Mono acting	Department	13.02.2021	-	24
8	Waste to craft	Department	15.02.2021	-	16

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9	Saving of nature working environment	Department	16.02.2021	-	15
10	Quiz Competition, Tongue twister, Physical activity	Department	17.02.2021	-	34
11	Fireless Cooking	Department	18.02.2021	-	40
12	Industrial Visit	Department	19.02.2021	-	48
13	Character building, Leadership qualities and Moral values	Department	20.02.2021	-	32

8.2   FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants
-	-	Not Applicable	-	-	-

SECTION – IX: ACHIEVEMENTS

9.1   Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1	V.Vinil	Football	National	Participated
2	R.Ruban Edward	Football	State	Participated

9.2   Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1	Dr.V.Bharathi	Coordinator of Nila Community Radio Station
		Board of studies chairman
2	Mrs.T.Sivaranjani	Department IQAC coordinator
		Website Coordinator
		Workload and Timetable In-charge
3	Mrs.V.Gomathi	Member of Women Empowerment Cell
		ExamCell Coordinator
4	Ms.R.Jegadeeswari	Discipline Committee member
5	Ms.A.Thivya	Department Club Coordinator
		Department IEEE, ISTE, IEI member

9.3   Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1	Dr.V.Bharathi	Wireless Personal Communication –Springer Publication- Reviewer
2	Dr.V.Bharathi	International Journal of Mobile Communication- Inderscience publisher- Reviewer

9.4   Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S.No	Name of the Faculty	Name of Awards / Recognition
1	Dr.V.Bharathi	NPTEL Discipline star Award
2	Dr.V.Bharathi	Excellent Professor Award from Global Eminence

9.5   Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

S. No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1	Dr.V.Bharathi	Deep Learning and its Applications using Tensor Flow and Keras	ATAL	20.07.2020 - 25.07.2020
		Recent Advancements in Internet of Things for Healthcare Applications	ATAL	7.09.2020 - 12.09.2020
		Cyber Security	ATAL	5.10.2020 - 09.10.2020
		Control System and Sensor Technology	ATAL	2.11.2020 - 6.11.2020
		Recent Trends in VLSI Design, Signal Processing & Optimization based on EDA tools	AICTE	7.12.2020 - 19.12.2020
		Wearable Devices	ATAL	11.1.2021- 15.01.2021
		Introduction to Embedded System Design	NPTEL, AICTE	12 weeks course Jan 2021-Apr 2021
		Electric Vehicles	ATAL	20.09.21-24.09.21
2	Mrs.V.Gomathi	Security and Privacy	ATAL	9.8.2021-13.8.2021
		Data Science		16.8.2021-20.8.2021
		Block chain Technology		23.8.2021-27.8.2021
		Recent Trends in Computer Science		6.9.2021 - 10.9.2021
3	Mrs.T.Sivaranjani	Security and Privacy	ATAL	9.8.2021-13.8.2021
		Data Science		16.8.2021-20.8.2021
		Block chain Technology		23.8.2021-27.8.2021
		Recent Trends in Computer Science		6.9.2021 - 10.9.2021

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit.

Head of the Department
Dr.V.Bharathi

Recommendations

Section	Remarks
Curricular Aspects	
Teaching, Learning and Evaluation	
Structured Feedback	
Research, Innovation and Publications	Improve faculty publications in research
Collaborations and Linkages	Need collaborations with Industry projects
Student Progression	
Activity Conducted / Organized by the Department	
Achievements	
General Remarks	

Signature of the Internal Academic Audit Experts

Dr.A.Jayachitra
Professor
Department of Electronics & Communication Engg.
SMVEC, Puducherry

Dr.A.G.Ganesh Kumar
Professor
Department of Mechanical Engg.
SMVEC, Puducherry

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NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF

FASHION TECHNOLOGY

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ACADEMIC AND ADMINISTRATIVE AUDIT
(Academic Year 2021-2022)
Internal Audit

SECTION –1 : BASIC INFORMATION

Audit Date	10.03.2022
Name of the Department	Fashion Technology
Year of Establishment	2020
Programs Offered	

Name of the Program	Approved Intake
B.Tech	60

Head of the Department	Dr.J.Thanikai Vimal

Number of full time Teachers	Professor	
	Associate Professor	1
	Assistant Professor	3

Number of Technical Staff	
Number of Students	

For B.Tech:

Year	Strength
First Year	14
Second Year	22
Third Year	-
Fourth Year	-
Total	36

For M.Tech

Year	Strength
First Year	-
Second Year	-
Total	-

Faculty Student Ratio	1:9

SECTION –2 : CURRICULAR ASPECTS

2.1   Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1	Department Academic Calendar	YES	
2	Faculty Subject Preferences	YES	
3	Elective choices from the Students	YES	
4	Course allotment to the Faculty	YES	
5	Time Table (UG and PG)	YES	
6	Lesson plan for each Course	YES	

3o£

2.2 Participation of the Faculty in the Curri... ...evelopment for courses offered in UG and PG programs

S.No	Name of the Faculty	Pa... ...d as	Course	Year / Sem
1	Dr.J.Thanikai Vimal	Bo... ...irman	B.Tech FT	II & III / II & IV
2	Mr.G.Seetharam	Bo... ...mber	B.Tech FT	II & III / II & IV
3	Mr.B. Mothilal	Bo... ...mber	B.Tech FT	II & III / II & IV
4	Mrs.N.Kavitha	Bo... ...er	B.Tech FT	II & III / II & IV
5	Miss.P.Pooja	Bo... ...er	B.Tech FT	II & III / II & IV

2.3 List of Professional Elective Courses off... ...by the department

S.No	Year / Sem	Name of the Elective C...rse	Course Code	Number of Students Registered

2.4 List of Open Elective Courses offered by ...her department

S.No	Year / Sem	Offering Department	Name of the E...tive Course	Course Code	Number of Students Registered

2.5 List of Skill Development Courses offere... ...the department

S.No	Year / Sem	Name of the Skill Development Co...se	Course Code	Number of Students Registered
1	I/II	Design and Data Collection	U20FTS201	21

2.6 List of Certification Courses offered by ... ...artment

S.No	Year / Sem	Name of the Certification C...rse	Course Code	Number of Students Registered
1	I/I	Photoshop	U20FTC117	14
2	I/II	Fusion 360	U20FTC250	21

2.7 List of Mandatory Courses offered by the de...rtment

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1	I/I	Induction Program	U20FTM101	14
2	I/II	Environmental Science	U20FTM202	14

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SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1 Course Delivery

Semester : I (2021-2025)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	U20BST101 Engineering Mathematics – I Calculus and Linear Algebra	Dr.T.Gayathri	60	60	72
2	U20EST110 Programming in Python	Mrs.M.Subasree	45	45	52
3	U20EST117 Basic Electrical and Electronics Engineering	Mr.M.Ganesan	60	60	66
4	U20FTT101 Basics of Apparel Technology	Miss. Pooja	45	45	59
5	U20FTT102 Textile Fibre Science	Dr.J.Thanikai Vimal	45	45	58
6	U20ESP111 Programming in Python Laboratory	Mrs.M.Subasree	30	30	30
7	U20ESP118 Basic Electrical and Electronics Engineering Lab	Mr.M.Ganesan	30	30	30
8	U20FTP101 Fibre Analytical Lab	Dr.J.Thanikai Vimal	30	30	30

Semester : II (2020-2024)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	U20BST219 Basics Textile Chemistry	Dr.Savithri	45	45	58
2	U20EST253 Applied Mechanics for Textile Technologists	Dr.L.martin	45	45	52
3	U20EST254 Basic Engineering Graphics for Textile Designing	Mr.Giriprasath	45	45	56
4	U20FTT203 Basics of Yarn and Fabric Manufacturing	Mr.K.Thangadurai	45	45	58
5	U20FTT204 Concepts of Fashion and Design	Miss. Pooja	45	45	58
6	U20FTT205 Fabric Surface Design	Dr.J.Thanikai Vimal	30	30	30
7	U20ESP255 Basic Engineering Graphics for Textile Designing Lab	Mr.Giriprasath	30	30	30
8	U20FTP202 Textile manufacturing Lab	Dr.J.Thanikai Vimal	30	30	30
9	U20FTP203 Fashion And Design Concept Lab	Mrs.S.Padmapriya	30	30	30

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3.2   Use of ICT Tools in Teaching Learning

Semester:

S.No	Name of the Faculty	Name of the Course which ICT used	ICT Tool / Technique Used
1	Miss. Pooja	U20FTT101 - Basics of Apparel Technology	PPT
2	Dr.J.Thanikai Vimal	U20FTT102 - Textile Fibre Science	PPT
3	Mrs.M.Subasree	U20EST110 Programming in Python	PPT
4	Mr.M.Ganesan	U20EST117 Basic Electrical and Electronics Engineering	PPT
5	Mr.K.Thangadurai	U20FTT203 Basics of Yarn and Fabric Manufacturing	PPT
6	Mrs.S.Padmapriya	U20FTT204 Concepts of Fashion and Design	PPT
7	Dr.J.Thanikai Vimal	U20FTT205 Fabric Surface Design	PPT

3.3   List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audiance
1	Colour and Fashion Concept	Mr.V.Mariyappan	23.10.2021	I/II/A

3.4   Activities for Slow and Advanced Learners

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	U20BST219 Basics Textile Chemistry	Dr.Savithri	Yes	8	Yes
2	U20EST253 Applied Mechanics for Textile Technologists	Dr.L.martin	Yes	7	Yes
3	U20EST254 Basic Engineering Graphics for Textile Designing	Mr.Giriprasath	Yes	8	Yes

3.5   Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	
2	Class wise student Profile Record Maintained	Yes	
3	Mentor – Mentee Session Record Maintained	Yes	

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
36	4	1:9

3.6 Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	
2	Seminar / Project Review Record	No	
3	End Semester Examination Record	Yes	
4	Student Grade Report	Yes	

3.7 Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	
2	Correlation of COs with POs and PSOs for each Course	Yes	
3	Course Outcome Attainment Calculated	Yes	**Mention the target:**
4	PSO and PO attainment through CO	Yes	

3.8 Student Performance in End Semester Examination

Semester – II (2020-2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	21	-
2	Number of All Clear Students	21	-
3	Number of Students passed with Distinction	4	-
4	Number of Students passed with First Class	17	-
5	Number of Students passed with Second Class	-	-
6	Number of Students Failed	-	-
7	Passing Percentage	100	-

SECTION – IV : STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	3	
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	1	
3	Student Exit Survey conducted and Analysed	No	-	
4	Alumni Feedback conducted and Analysed	No	-	

SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS

5.1   Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
1	NIL				
2					

5.2   Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consutancy
1	NIL				
2					

5.3   Faculty Publications

Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Imapact Factos
	NIL					

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	-
Number of Publication in International Journals	-
Number of Publication in National Conferences	-
Number of Publication in International Conferences	-
Number of Books / Book Chapters	-
Number of Patent (Filed)	-
Number of Patents Granted	-

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
1	NIL			
2				

International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	NIL				
2					

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	NIL					
2						

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International Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	NIL					
2						

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	NIL			
2				

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1	NIL					
2						

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
1					
2					

6.2 Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
1				
2				

6.3 Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
1	SPINCO Pondicherry	06.10.2021	I/II	21

6.4 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1	NIL			
2				

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	NA
Number of Students opted Higher Studies	NA
Number of Entrepreneur	NA

7.1 Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1	NA		

7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1	NA		

7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
1	NA			

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1 Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants

8.2 FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants

SECTION – IX: ACHIEVEMENTS

9.1 Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1				

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9.2 Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1		

9.3 Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1		

9.4 Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S.No	Name of the Faculty	Name of Awards / Recognition
1	Nil	

9.5 Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

S.No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1	Dr.J.Thanikai Vimal	Design Aesthetics Theory and Practice	NIFT Hydrabad	5
2	Dr.J.Thanikai Vimal	Animation film design	JAIN University	5
3	Dr.J.Thanikai Vimal	ADVANCED TEXTILE DESIGN	Periyar University	5

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit

Head of the Department

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Recommendations:

Section	Remarks
Curricular Aspects	Nil
Teaching, Learning and Evaluation	Document evidences for preference, allotment of courses to faculty. Course Certification reports to be maintained
Structured Feedback	Parent meeting record and the feedback mechanism to be initiated and action taken report to be maintained
Research, Innovation and Publications	Research, consultancy, publications of journals, patent filing by faculty members needs to be initiated and require most attention in generating funds.
Collaborations and Linkages	MoU's to be signed for better linkages and collaboration with industry and they must be functional.
Student Progression	Nil
Activity Conducted / Organized by the Department	Nil
Achievements	Need initiation by faculty and students for active participation in various professional societies and get recognition through tose societies/ bodies.
General Remarks	Nil

Signature of the Internal Academic Audit Experts

Dr.T. Coumaressin
Associate Professor
Department of Mechanical Engineering,
SMVEC

Dr.S.Ganeshkumaran
Associate Professor
Department of Electrical and Electronics
Engineering, SMVEC

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SCHOOL OF ARCHITECTURE

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ACADEMIC AND ADMINISTRATIVE AUDIT

(Academic Year 2021-2022)

INTERNAL AUDIT

SECTION –1: BASIC INFORMATION

Audit Date	11.03.2022		
Name of the Department	School of Architecture		
Year of Establishment	2017		
Programs Offered			
	Name of the Program	Approved Intake	
	B.Arch. (Bachelor of Architecture)	40	
Principal	Prof.Ar.S. Manoharan		
Number of full time Teachers	Professor	1	
	Associate Professor	1	
	Assistant Professor	7	
Number of Technical Staff	1		
Number of Students	For B.Arch.:		
	Year	Strength	
	First Year	25	
	Third Year	24	
	Fourth Year	11	
	Fifth Year	14	
	Total	74	
Faculty Student Ratio	1:10		

SECTION –2: CURRICULAR ASPECTS

2.1 Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1	Department Academic Calendar	Yes	
2	Faculty Subject Preferences	Yes	
3	Elective choices from the students	Yes	
4	Course allotment to the faculty	Yes	
5	Time Table (UG)	Yes	
6	Lesson plan for each Course	Yes	.

2.2   Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1	Prof.Ar.S.Manoharan	CAIRMAN	-	-
2	Ar.R.Ragavendira	Committee member	Architectural Studios	ALL YEARS /SEM.
3	Ar.R.Satheesh Kumar	Committee member	Professional electives	ALL YEARS /SEM.
4	Ar.T.Mugesh	Committee member	Theory cum studio	ALL YEARS /SEM.
5	Ar.B.Kanimozhi	Committee member	Theory	V- IX & X IV – VII III – V - VI
6	Ar.R.Balaaji	Committee member	Theory	I – I & II II – II & III

2.3   List of Professional Elective Courses offered by the department

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
1	III/V	Vernacular Architecture	U20EL0501	25
2	IV/VII	Energy Efficient Architecture	U20EL0710	11
3	IV/VII	Sustainable Architecture and Planning	U20EL0713	11
4	V/IX	Architectural Photography and Journalism	U20EL0915	14
5	V/IX	Earthquake Resistant Architecture	U20EL0917	14

2.4   List of Open Elective Courses offered by other department

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
NIL					

2.5   List of Skill Development Courses offered by the department

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
NIL				

2.6   List of Certification Courses offered by the department

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
NIL				

2.7 List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
NIL				

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1 Course Delivery

Semester: (II, V, VII and IX Sem)

S. No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1.	Mechanics of Structures I / U20TH0206	Mr.Senthil Raj	60	60	60
2.	Theory of Architecture / U20TH0207	Ar.R.Nivedha	45	45	45
3.	Building Materials & Construction -I / U20ST0208	Ar.R.Balaaji	75	75	75
4.	Architectural Graphics -II / U20ST0209	Ar.R.Satheesh Kumar	75	75	75
5.	Architectural Model Making Workshop / U20ST0210	Dr.P.Karuppusamy	90	90	90
6.	Architectural Design Studio- I / U20MET204	Ar.B.Kanimozhi	180	180	180
7.	Design of Structures II / ART51	Mr.Senthil Raj	60	60	60
8.	History of Architecture and culture III / ART52	Ar.R.Nivedha	45	45	45
9.	Vernacular Architecture / ARE02	Ar.S.Adithyan	45	45	45
10.	Building Materials & Construction -IV / ARP51	Ar.S.Adithyan	75	75	75
11.	Building Services II / ARP52	Ar.B.Kanimozhi	60	60	60
12.	Architectural Design Studio- IV / ARS8151	Ar.T.Mugesh	210	210	210
13.	Landscape Design / ART71	Ar.R.Satheesh Kumar	45	45	45
14.	Professional Practice and Ethics / ART82	Ar.T.Mugesh	45	45	45
15.	Energy Efficient Architecture / ARE11	Ar.G.Venkatramanan	45	45	45
16.	Sustainable Architecture and Planning / ARE14	Ar.R.Ragavendira	45	45	45
17.	Building Services – III / ARP71	Ar.R.Balaaji	60	60	60
18.	Architectural Design Studio – VI / ARS71	Ar.R.Balaaji	240	240	240
19.	Human Settlement and Planning / ART 81	Ar.B.Kanimozhi	45	45	45
20.	Urban Design / ART72	Ar.R.Ragavendira	45	45	45
21.	Urban Housing / ART83	Ar.G.Venkatramanan	45	45	45
22.	Architectural Journalism and Photography / ARE16	Ar.T.Mugesh	45	45	45
23.	Architectural Design Studio- VII / ARS81	Ar.R.Ragavendira	240	240	240

3.2   Use of ICT   Tools in Teaching Learning

Semester: Odd and Even Semester

S. No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1.	Ar.R.Ragavendira	Sustainable Architecture and Planning / ARE14	Green Board with white chalk piece, PPT, Digital Board
2.	Ar.T.Mugesh	Architectural Journalism and Photography / ARE16	
3.	Ar.B.Kanimozhi	Site Survey and Planning / U20TS0314	
4.	Ar.G.Venkatramanan	History of Contemporary Architecture / ART512	
5.	Ar.R.Balaaji	Earthquake Resistant Architecture / ARE18	
6.	Ar.S.Adithyan	Landscape Design / ART71	
7.	Ar.R.Nivedha	History of Architecture and Culture - II / U20TH0313	

3.3   List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1.	Introduction to Building Crafts	Ar. Smriti Saraswat (IIT, Roorkee.)	22-10-2021	74
2.	Urban Design Studio	Ar. Arul (Intach, Puducherry)	13-10-2021	14
3.	Human settlement Planning	Ar.kanimozhi (Asst.Professor, SOA/SMVEC)	20-11-2021	14

3.4   Activities for Slow and Advanced Learners

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
			NIL		

3.5 Counseling and Mentoring

S. No	Particular	Yes / No	Remarks (if any)
		NIL	

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor: Mentee Ratio
74	9	1:10

3.6   Internal Evaluation Systems

S. No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	
2	Seminar	Yes	

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3	End Semester Examination Record	Yes	
4	Student Grade Report	Yes	

3.7 Learning Outcomes

S. No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, CO are well stated	Yes	
2	Correlation of COs and POs for each Course	Yes	
3	Course Outcome Attainment Calculated	Yes	
4	PO attainment through CO	Yes	

3.8 Student Performance in End Semester Examination

Sr. No	Particular	B.ARCH			
		I Yr	II Yr	III Yr	IV Yr
1	Number of Students appeared	25	24	11	14
2	Number of All Clear Students	23	24	11	14
3	Number of Students passed with Distinction	23	24	11	14
4	Number of Students passed with First Class	23	24	11	14
5	Number of Students passed with Second Class	-	-	-	-
6	Number of Students Failed	2	-	-	-
7	Passing Percentage	92	100	100	100

SECTION – IV: STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	40	-
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	40	-
3	Student Exit Survey conducted and analyzed	-	-	-
4	Alumni Feedback conducted and analyzed	-	-	-

5.1   Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
1	Nil				

5.2   Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consultancy
1	Nil				

5.3   Faculty Publications (2021-22)

Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Impact Factor
	2018-19	-	-	-	-	-
	2019-20	01	-	-	-	4.9
	2020-21	-	-	-	-	-
	2021-22	-	-	-	-	-

Publication Details for Academic Year consider for Auditing (2021-22)

Number of Publication in National Journals	-
Number of Publication in International Journals	-
Number of Publication in National Conferences	-
Number of Publication in International Conferences	2
Number of Books / Book Chapters	-
Number of Patent (Filed)	-
Number of Patents Granted	-

National Journal:

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
NIL				

International Journal :(2021-22)

Sl. No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, Issue, pp, Year /ISSN	Indexing
NIL					

National Conference:

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
NIL						

International Conference:

S. No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	Sustaiable Approch Towards Energy Efficient Building Design	Ar. R. Ragavendira (Associate Professor, SOA/SMVEC)	PROCEEDINGS of the International e-Conference RFSADPI- 2021	Retro Futurism of Skills in Architecture, Design, Planning and Innovation	(ISBN: 978-93-92823-02-2)	Chetak Books, Pune, Maharashtra
2	Green Building Rating System	S.Velayudham & Ar. R. Ragavendira (Associate Professor, SOA/SMVEC)	PROCEEDINGS of the International e-Conference RFSADPI- 2021	Retro Futurism of Skills in Architecture, Design, Planning and Innovation	(ISBN: 978-93-92823-02-2)	Chetak Books, Pune, Maharashtra

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
NIL				

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
NIL						

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S. No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship	
			Duration	Date
NIL				

6.2 Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
NIL				

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Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
1	Goubert Market, Pondicherry (Urban Design Studio)	04-10-2021	V year Students	14

6.3 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
		NIL		

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	NIL
Number of Students opted Higher Studies	NIL
Number of Entrepreneur	NIL

7.1 Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
		NIL	

7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
		NIL	

7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
		NIL		

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1 Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under Department	Date of Event	Level (State / National / International)	No. of Participants
1	Urban Design Studio	School of Architecture	13.10.21	-	14
2	Human Settlement and Planning	School of Architecture	20.11.21	-	24

8.2   FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
NIL					

SECTION – IX: ACHIEVEMENTS

9.1   Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1	R.Sathya	Virtual Painting Competion(Create a Poster on END CORONAand become a campaigner)	ART LAND Child Art Centre	Best Painting Award
2	R.Sathya	ATX Design of the Year	architerraX	Certificate of Appreciation
3	R.Sathya	"Arttechtism" – Design a Muse	Archresource.co	Top 30 Shortlisted

9.1   Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies

S. No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1	Prof.Ar.S.Manoharan	• Member, Council of Architecture • Member, Indian Institute of Architects
2	Ar.R.Ragavendira	• Member, Council of Architecture
3	Ar.Satheesh Kumar	• Member, Council of Architecture
4	Ar.T.Mugesh	• Member, Council of Architecture
5	Ar.B.Kanimozhi	• Member, Council of Architecture
6	Ar.R.Balaaji	• Member, Council of Architecture • Member, Indian Institute of Architects
7	Ar.G.Venkatramanan	• Member, Council of Architecture
8	Ar.S.Adithyan	• Member, Council of Architecture
9	Ar.R.Nivedha	• Member, Council of Architecture

9.2   Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

S. No	Name of the Faculty	Name of Editorial Boards / Conferences
1	Ar.R.Ragavendira	• Appointed as an External Examiner for "Graduatin Project Work" at SRM IST, Ramapuram Campus

9.3   Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S. No	Name of the Faculty	Name of Awards / Recognition
NIL		

9.4   Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

Sl. No.	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Duration (Days)
1.	Ar.R.Ragavendira	International Conference on 'Retro Futurism of Skills in Architecture, Design, Planning and Innovation	28th to 29th Sep, 2021
2.	Ar.R.Ragavendira	Faculty Development Program on Pandemic and Future Cities	26th to 30th July, 2021
3.	Ar.R.Ragavendira	Faculty Development Program on Technicalities, Technology & Tools in Natural Ventilation	27th to 30th July, 2021

Declaration by (Principal SOA/SMVEC)

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit

(Principal SOA/SMVEC)

Signature of the Internal Academic Audit Experts
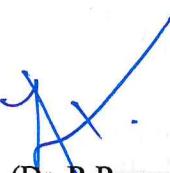
(Dr. R.Ramya)
Professor
Department of ECE
SMVEC
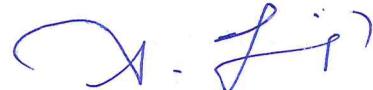
(Dr.A. Thiyagarajan)
Associate Professor
Department of Mechanical
SMVEC

Recommendations:

Section	Remarks
Teaching, Learning and Evaluation	Mentor –Mentee system to be made functional with proper track records.
Research, Innovation and Publications	Need to concentrate on publishing research papers in reputed journals and file patents. Documentary evidence essential for receiving funds from external agencies
Collaborations and Linkages	Functional MoU's required for training, placements, internship etc.,
Student Progression	Need documentary evidences on the track record of passed out students
Activity Conducted / Organized by the Department	Require a minimum of 2 Programme per year
Achievements	Need documentary evidences on receiving of awards /recognition
General Remarks	All the documents are available, suggested to add the above mentioned details .

Signature of the Internal Academic Audit Experts
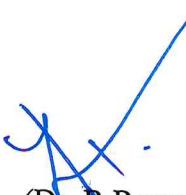
(Dr. R.Ramya)
Professor
Department of ECE
SMVEC

(Dr.A. Thiyagarajan)
Associate Professor
Department of Mechanical
SMVEC

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SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
An Autonomous Institution,
Accredited by NAAC with 'A' grade
Puducherry - 605 107

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

MASTER OF COMPUTER APPLICATIONS

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SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
An Autonomous Institution, Accredited by NAAC with 'A' grade
Puducherry - 605 107

NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

(Academic Year 2021 - 22)

Internal Audit

SECTION –1 : BASIC INFORMATION

Audit Date	25/07/2022		
Name of the Department	Master of Computer Applications		
Year of Establishment	2002		
Programs Offered		Name of the Program	Approved Intake
		P. G Program - MCA	120
Head of the Department	Dr. A. Ramalingam		
Number of full time Teachers	Professor		02
	Associate Professor		03
	Assistant Professor		10
Number of Technical Staff	01		
Number of Students	For MCA:		
Faculty Student Ratio	1:15		

For MCA:

Year	Strength
First Year	97
Second Year	117
Total	214

SECTION –2 : CURRICULAR ASPECTS

2.1   Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1	Department Academic Calendar	YES	-
2	Faculty Subject Preferences	YES	-
3	Elective choices from the Students	YES	-
4	Course allotment to the Faculty	YES	-
5	Time Table (UG and PG)	YES	-
6	Lesson plan for each Course	YES	-

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2.2   Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1.	Dr.A.Ramalingam	Department -In charge	PG-MCA	I,II year
2.	Mr.R.Ramakrishnan	Department -In charge	PG-MCA	I,II year
3.	Dr.T.Amalraj Victoire	Department -In charge	PG-MCA	I,II year
4.	Mrs.M.Vasuki	Department -In charge	PG-MCA	I,II year

2.3   List of Professional Elective Courses offered by the department

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
ODD				
1	II/III	Professional Elective-2 Data science in Big Data	P20MCE301	95
EVEN				
1	I/II	Professional Elective-1: web services	P20MCE203	117
2	II/IV	Professional Elective-3: Management Concepts and Strategies	P20MCE403	95

2.4   List of Open Elective Courses offered by Other department

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
-NIL-					

2.5   List of Skill Development Courses offered by the department

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
Dec2021 – Apr2022(ODD)				
1	I/I	Skill Development Course-I	P20MCS101	117
2	I/I	Certificate Course-I(ADVANCED PYTHON PROGRAMMING)	P20MCC102	117
3	I/III	Certificate Course-III(ROUTING AND SWITCHING)	P20MCC307	95

2.6   List of Certification Courses offered by the department

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
1	I/I	Certificate Course-I	P20MCC102	117
2	II/III	Certificate Course-III	P20MCC307	95

2.7 List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
		-NIL-		

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1 Course Delivery

I Semester : (Dec 2021 – May 2022) Batch(2021-23)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	P20MCT101	Mr. Kaviarasan	60	60	60
2	P20MCT102	Dr. A.Swaminathan/Dr.R.Ramachandiran	45	45	45
3	P20MCT103	Mrs. M. Vasuki/ Dr. T.Amalraj Victoire	45	45	45
4	P20MCT104	Mrs. Mathiarasi	45	45	45
5	P20MCT105	Mr. R. Ramakrishnan	45	45	45
PRACTICAL					
6	P20MCP101	Dr. A.Swaminathan/Dr.R.Ramachandiran	40	40	40
7	P20MCP102	Mrs. M. Vasuki/ Dr. T.Amalraj Victoire	40	40	40
8	P20MCP103	Mrs. Mathiarasi	40	40	40

III Semester : (Dec 2021 – May 2022)/Batch(2020-22)

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	P20MCT301	Dr. A. Ramalingam	45	45	45
2	P20MCT302	Mr. R. Ramakrishnan	45	45	45
3	P20MCT303	Dr.T.Amalraj Victoire	45	45	45
4	P20MCT304	Dr. Swaminathan. A	45	45	45
5	P20MCE301	Mrs. M. Vasuki	45	45	45
PRACTICAL					
6	P20MCP301	Dr. T. Amalraj Victoire	40	40	40
7	P20MCP302	Dr. Swaminathan. A	40	40	40
8	P20MCP303	Mr. R. Ramakrishnan	40	40	40

3.2 Use of ICT Tools in Teaching Learning

Semester: I,III

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S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr. Kaviarasan	Mathematical Foundations of Computer Applications	PPT/Lecture Videos, Digital writing Board
2	Dr. T. Amalraj Victoire	Object Oriented Programming in C++	PPT/Lecture Videos
3	Mrs. M. Vasuki	Advanced Database Management Systems	PPT/Lecture Videos
4	Mrs. Mathiarasi	Accounting and Financial Management	PPT/Lecture Videos, Digital writing Board
5	Mr. R. Ramakrishnan	Problem Solving Approach	PPT/Lecture Videos, Digital writing Board
6	Dr. A. Ramalingam	Machine Learning	PPT/Lecture Videos
7	Mr. R. Ramakrishnan	Agile Software Development and Testing	PPT/Lecture Videos
8	Dr. T. Amalraj Victoire	C# and .NET	PPT/Lecture Videos, Digital writing Board
9	Dr. A. Swaminathan	Mobile Application Development	PPT/Lecture Videos, Digital writing Board
10	Mrs. M. Vasuki	Professional Elective-2: Big Data	PPT/Lecture Videos

Semester: I,III (June 2023 – Sept 2023)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mrs. M. Vasuki	Advanced Data Structure and Algorithm	PPT/Lecture Videos, Digital writing Board
2	Dr. A. Ramalingam	Advanced Computer Networks	PPT/Lecture Videos
3	Mr. R. Ramakrishnan	Java Programming	PPT/Lecture Videos
4	Dr.T.Amalraj Victoire	Web Application Development	PPT/Lecture Videos, Digital writing Board
5	Dr. A. Swaminathan	Professional Elective-1: Web Service and Technologies	PPT/Lecture Videos, Digital writing Board
6	Mrs. M. Vasuki / Dr. A. Swaminathan	Office Automation and Modern Tools	PPT/Lecture Videos
7	Dr.T.Amalraj Victoire / Mr. R. Ramakrishnan	Professional Elective-3: Management Concepts for Computer Applications	PPT/Lecture Videos

3.3 List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audiance
		Expert Lectures		
1	Problem Solving Approaches	John de prito.R Testing engineer TCS	6/12/2021	117
2	Network	Praveen.S	10/03/2022	117

		Software Engineer TCS		
3	Data Science	Mr.A.Montfort Lawrence. Associate programmer, Integra software services PVT LTD	8/02/2022	95
4	How to do Documentation	Dewahar.G Assistant system engineer, TCS	9/04/2022	95
5	Machine Learning	Dr.BehinSam,PG & Research Dept of Computer Science Dr.Ambedcar Arts College, Autonomous / Chennai	13/4/2022	95
Workshops				
1	EJB – CORBA and COM Implementation	Ahamed aathif hussain.Z System administratoe,TCS	8/12/2021	117
2	Clustering Algorithm	Mr.J.Udayakumar Founder and CEO Genesys Academy of computer science. Pondicherrry.	7/2/2022	117

3.4 Activities for Slow and Advanced Learners

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
Dec 2021 – May 2022					
I Year / I Sem 2021-2023					
1	Mathematical Foundations of Computer Applications	Mr. Kaviarasan	Yes	5	Yes
2	Object Oriented Programming in C++	Dr. T. Amalraj Victoire	Yes	4	Yes
3	Advanced Database Management Systems	Mrs. M. Vasuki	Yes	4	Yes
4	Accounting and Financial Management	Mrs. Mathiarasi	Yes	6	Yes
5	Problem Solving Approach	Mr. R. Ramakrishnan	Yes	3	Yes
II year / III Sem 2020-2022					
1	Machine Learning	Dr. A. Ramalingam	Yes	5	Yes

2	Agile Software Development and Testing	Mr. R. Ramakrishnan	Yes	3	Yes
3	C# and .NET	Dr. T. Amalraj Victoire	Yes	4	Yes
4	Mobile Application Development	Dr. A. Swaminathan	Yes	3	Yes
5	Professional Elective-2: Big Data	Mrs. M. Vasuki	Yes	5	Yes

3.5 Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	-
2	Class wise student Profile Record Maintained	Yes	-
3	Mentor – Mentee Session Record Maintained	Yes	-

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
117	15	1:8

3.6 Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	-
2	Seminar / Project Review Record	Yes	-
3	End Semester Examination Record	Yes	-
4	Student Grade Report	Yes	-

3.7 Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	-
2	Correlation of COs with POs and PSOs for each Course	Yes	-
3	Course Outcome Attainment Calculated	Yes	**Mention the target: 4**
4	PSO and PO attainment through CO	Yes	-

3.8 Student Performance in End Semester Examination
Semester

Sr. No	Particular	MCA
1	Number of Students appeared	-
2	Number of All Clear Students	-
3	Number of Students passed with Distinction	-
4	Number of Students passed with First Class	-
5	Number of Students passed with Second Class	-
6	Number of Students Failed	-
7	Passing Percentage	-

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	120	-
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	25	-
3	Student Exit Survey conducted and Analysed	Yes	50	-
4	Alumni Feedback conducted and Analysed	Yes	25	-

SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS

5.1   Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
			-NIL-		

5.2   Consultancy Works

S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consutancy
	nil				

5.3   Faculty Publications

Publication Details (Last Four Years)

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Imapact Factos
1	2021-2022	03	UGC-CARE I, SCOPUS 1	10	1	1.5
2	2020-2021	8	2	-	-	-
3	2019-2020	4	1	-	1	-
4	2018-2019			-	-	-

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	Nil
Number of Publication in International Journals	03
Number of Publication in National Conferences	Nil
Number of Publication in International Conferences	Nil
Number of Books / Book Chapters	Nil

Number of Patent (Filed)	04
Number of Patents Granted	04

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
-NIL-				

International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1.	Smart Public Transport	Dr.R.Ramachandiran, Priyanca.A Desiya.S Varsha.B	International Research Journal of Engineering and Technology (IRJET)	Volume: 08 Issue: 08 | Aug 2021 p-ISSN: 2395-0072	UGC care List II
2.	Detection Of Oral Lichen Planus Using Machine Learning Technique	Dr. A. Ramalingam, Dr. P. Aurchana, S. Prabavathy, R. Felista Sugirtha Lizy, G. Jeya Sutha Perciya	Design Engineering	| Year 2021 Issue: 6 | Pages: 7525-7533 ISSN: 0011-9342	SCOPUS
3.	An Efficient Approach To Detect Autism In Child Using Machine Learning And Deep Learning	T. Amalraj victoire, a. Ramalingam, a. Naresh, K.M Nasimudeen, M S Jaya Kumar	Journal of Theoretical and Applied Information Technology	31st October 2021 -- Vol. 99. No. 20 – 2021 ISSN 1992-8645	SCOPUS

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
-NIL-						

International Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
-NIL-						

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	Aritifical Intelligence And Machine Learning	Dr.P.Auruchana, Dr.S.Nagaraj Dr.A.Ramalingam, Dr.R.Aruna Krithika	ISBN NO:978-93-95331-96-8	RK publications
2	An Investigation On Diabetes Using Multi-Layer Perceptron	J. Surendharan, A. Karunamurthy, R. Praveena,K. Shebagadevi	ISBN-10:9395331232,	AAP

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1	Dr. A. Ramalingam	Dr. A. Ramalingam Mr. R. Ramakrishnan Mrs. M. Vasuki Dr. P. Aurchana	Enhanced Multi-User Based Cda Model Formation With High Security Cloud System	202141025146 A / 18.06.2021	INDIA	Published
2	Dr. N. Danapaquiame	Dr. N. Danapaquiame Dr. P. Iyappan Dr. Sreelatha. P Dr. V. Vijayakumar Dr. A. Ramalingam Dr. Miling Shrinivas Dangate	Handy Device for Face Detection	351214-001 / 03.12.2021	INDIA	Published
3	Dr. G. Revathy	Dr. G. Revathy Dr. P. Aurchana Dr. A. Ramalingam Dr.T. Megala	An IoT Based Milk Vending Machine	354929-001 /14.12.2021	INDIA	Published
4	Dr. P. Aurchana	Dr. P. Aurchana Mr. Ramasamy. E Mr. Vinoth Rajkumar G Dr. Ajitha V Dr. A. Ramalingam Dr. G. Revathy	Lower Cost Smart Wireless Voice Based Movable Robot	1188368/ 22.11.2021	CANADA	Published

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1 Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
1.	ANBARASU.M.P	CETAS	6 months	18-04-2022	18-10-2022
2.	ARUNADEVI. V	CTS GENC	6 months	04-02-2022	04-08-2022
3.	GOPI. T	CTS GENC	6 months	04-02-2022	04-08-2022
4.	HARI NARAYANI. V	ZUCISYSTEM	8 months	01-10-2021	01-06-2022
5.	ISWARAYAALAKSHMI. N	CTS GENC ELEVATE	6 months	04-02-2022	04-08-2022
6.	PARVATHAM. A	CTS GENC	6 months	04-02-2022	04-08-2022
7.	PRAVEEN KUMAAR S	CTS GENC	6 months	04-02-2022	04-08-2022
8.	SADHISHKUMAR D	CETAS	6 months	18-04-2022	18-10-2022
9.	SANTHOSH KUMAR P	CTS GENC	6 months	04-02-2022	04-08-2022
10.	SHAKIRA BANU. M	CTS GENC	6 months	04-02-2022	04-08-2022
11.	VANITHA.E	CTS GENC	6 months	04-02-2022	04-08-2022
12.	VIGNESH.V	CETAS	6 months	18-04-2022	18-10-2022
13.	YOUVARAJ. B	CTS GENC	6 months	04-02-2022	04-08-2022

6.2 Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
	NIL			

6.3 Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
	-NIL-			

6.4 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
	-NIL-			

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	-
Number of Students opted Higher Studies	NIL
Number of Entrepreneur	NIL

7.1 Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1.	ISWARAYAALAKSHMI. N	CTS GENC ELEVATE	4.25 LAKHS/ANNUM
2.	ARUNA DEVI	CTS GENC	4.10 LAKHS/ANNUM
3.	VANITHA E	CTS GENC	4.10 LAKHS/ANNUM
4.	PRAVEEN KUMAAR S	CTS GENC	4.10 LAKHS/ANNUM
5.	GOPI T	CTS GENC	4.10 LAKHS/ANNUM
6.	SANTHOSH KUMAR P	CTS GENC	4.10 LAKHS/ANNUM
7.	YOUVARAJ BALARAMAN	CTS GENC	4.10 LAKHS/ANNUM
8.	PARVATHAM	CTS GENC	4.10 LAKHS/ANNUM
9.	SHAKIRABANU	CTS GENC	4.10 LAKHS/ANNUM
10.	MURALIDHARAN.U	CAPGEMINI	4.00 LAKHS/ANNUM
11.	MONIKA V	iOPEX	4.00 LAKHS/ANNUM
12.	SWATHI. M	INFOSYS	3.60 LAKHS/ANNUM
13.	YAMUNA V	INFOSYS	3.60 LAKHS/ANNUM
14.	SUBASH G	CHANDVEL TEHCNOLOGIES	3.60 LAKHS/ANNUM
15.	CHARLESAJAY.F	CHANDVEL TECHNOLOGIES	3.60 LAKHS/ANNUM
16.	MARK REXON R	CHANDVEL TEHCNOLOGIES	3.60 LAKHS/ANNUM
17.	ANBARASU M P	CETAS	3.60 LAKHS/ANNUM
18.	SADHISHKUMAR D	CETAS	3.60 LAKHS/ANNUM
19.	DHIRAJ KUMAR SINGH	CETAS	3.60 LAKHS/ANNUM
20.	VIGNESH V	CETAS	3.60 LAKHS/ANNUM

21.	ADHWUID P	TCS NINJA	3.53 LAKHS/ANNUM
22.	HARSHAVARTHINI M	TCS NINJA	3.53 LAKHS/ANNUM
23.	RAJAN KUMAR	TCS NINJA	3.53 LAKHS/ANNUM
24.	ISWARAYAALAKSHMI. N	TCS NINJA	3.53 LAKHS/ANNUM
25.	HARI NARAYANI V	ZUCISYSTEM	3.50 LAKHS/ANNUM
26.	ARJUN M A	ZUCISYSTEM	3.50 LAKHS/ANNUM
27.	YAMUNA V	ATOS SYNTEL	3.40 LAKHS/ANNUM
28.	SWATHI. M	ATOS SYNTEL	3.40 LAKHS/ANNUM
29.	THIVYALAKSHMI S	ATOS SYNTEL	3.40 LAKHS/ANNUM
30.	HEMA R	TECH MAHINDRA	3.25 LAKHS/ANNUM
31.	THIVYALAKSHMI S	TECH MAHINDRA	3.25 LAKHS/ANNUM
32.	DHIRAJ KUMAR SINGH	NETLINK	3.00 LAKHS/ANNUM
33.	RISHABH KUMAR	NETLINK	3.00 LAKHS/ANNUM
34.	SHAHAB ASLAM	NETLINK	3.00 LAKHS/ANNUM
35.	ANURADHA DEVI V	INFOSYS	2.23 LAKHS/ANNUM
36.	KRISHNAKUMAR G	INFOSYS	2.23 LAKHS/ANNUM
37.	SATHISH. S	SMV SOFTWARE SOLUTIONS	1.80 LAKHS/ANNUM
38.	ADEEN.P.V	CODE SHASTRA	3.0 LAKHS/ANNUM
39.	ANIL KUMAR	CODE SHASTRA	3.0 LAKHS/ANNUM
40.	KRISHNAKUMAR.G	CODE SHASTRA	3.0 LAKHS/ANNUM
41.	SRIVARSAN.M	CODE SHASTRA	3.0 LAKHS/ANNUM
42.	SHAHAB ASLAM	CODE SHASTRA	3.0 LAKHS/ANNUM
43.	RAJAN KUMAR	ZopSmart	10 LAKHS/ANNUM
44.	MURALIDHARAN U	Tekion	5 LAKHS/ANNUM

7.2   Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
-NIL-			

7.3   Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
-NIL-				

SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT

8.1   Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
-NIL-					

8.2   FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under (Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants

SECTION – IX: ACHIEVEMENTS

9.1 Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1	Pothyeswari.G , Manju.V	Inter Collegiate National Mathematic Day - Peruthalaivar Arts College	Peruthalaivar Arts College.22/12/2021	**III PRIZE**

9.2 Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
-NIL-		

9.3 Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
-NIL-		

9.4 Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S.No	Name of the Faculty	Name of Awards / Recognition
1	Dr.A.Ramalingam	Best Teacher
2	Angayarkanni.A	Best Faculty

9.5 Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level

S.No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1	Dr.A.Ramalingam	Data Science in IoT	ATAL, FDP, KIIT	21/6/2021 to 25/6/2021
2	Mr.R.Ramakrishnan	Data Science in IoT	ATAL, FDP, KIIT	21/6/2021 to 25/6/2021
3	Dr.A.Swaminathan	Data Science in IoT	ATAL, FDP, KIIT	21/6/2021 to 25/6/2021
4	Dr.T.Amalraj Victoire	Data Science in IoT	ATAL, FDP, KIIT	21/6/2021 to 25/6/2021
5	M.Vasuki	Data Science in IoT	ATAL, FDP, KIIT	21/6/2021 to 25/6/2021
6	Dr.T.Amalraj Victoire	Data Science and Machine Learning	Velagapududi Ramakrishna Siddhartha Enginering college	7/6/2021 to 11/6/2021
7	M.Vasuki	Data Science and Machine Learning	Velagapududi Ramakrishna Siddhartha Enginering college	7/6/2021 to 11/6/2021
8	Dr.A.Ramalingam	Data Science and Machine Learning	Velagapududi Ramakrishna Siddhartha Enginering	7/6/2021 to 11/6/2021

			college	
9	Mr.R.Ramakrishnan	Signal Processing for 5G and IoT"	SRM Institute of science and technology	06/09/2021 to 10/09/2021
10	Dr.T.Amalraj Victoire	Cryptocurrency and Blockchain Technology"	SRM Institute of science and technology	16.08.2021 to 20.08.2021

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit

Head of the Department
Dr.A.Ramalingam

Recommendations:

Section	Remarks
Curricular Aspects	-
Teaching, Learning and Evaluation	-
Structured Feedback	Parent meeting record and the feedback mechanism to be initiated and action taken report to be maintained
Research, Innovation and Publications	Require most attention to increase consultancy work for students
Collaborations and Linkages	Need initiation by faculty to MoU's to be signed for better linkages and collaboration with industry and they must be functional.
Student Progression	-
Activity Conducted / Organized by the Department	-
Achievements	-
General Remarks	-

Signature of the Internal Academic Audit Experts

Dr.T. Coumaressin
Associate Professor
Department of Mechanical Engineering,
SMVEC

Dr.S.Ganeshkumaran
Associate Professor
Department of Electrical and Electronics
Engineering, SMVEC

ACADEMIC AND ADMINISTRATIVE AUDIT

DEPARTMENT OF MANAGEMENT STUDIES

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SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
An Autonomous Institution, Accredited by NAAC with 'A' grade
Puducherry - 605 107

NAAC

INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT
(Academic Year   2021-2022   )
Internal Audit

SECTION –1 : BASIC INFORMATION

Audit Date	25/07/2022		
Name of the Department	Management Studies		
Year of Establishment	2005		
Programs Offered			
	Name of the Program		Approved Intake
	MBA		180
	PhD		4
Head of the Department	Dr. N. S. N. Cailassame		
Number of full time Teachers	Professor	4	
	Associate Professor	3	
	Assistant Professor	17	
Number of Technical Staff			
Number of Students		For MBA	
		Year	Strength
		First Year	180
		Second Year	154
		Total	334
Faculty Student Ratio	1:15		

SECTION –2 : CURRICULAR ASPECTS

2.1   Academic Plan

S.No	Particular	Available (Yes / No)	Remarks
1	Department Academic Calendar	Yes	
2	Faculty Subject Preferences	Yes	
3	Elective choices from the Students	Yes	
4	Course allotment to the Faculty	Yes	
5	Time Table (PG)	Yes	
6	Lesson plan for each Course	Yes	

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2.2 Participation of the Faculty in the Curriculum development for courses offered in UG and PG programs

Sl.No	Name of the Faculty	Role	Course	Year/Sem
1	Dr. N.S.N.Cailassame	Syllabus framed	Big Data Analytics	II/IV
2	Dr. N.S.N.Cailassame	Syllabus framed	Predictive Analytics	II/IV
3	Mr. A. Mathiazagan	Syllabus framed	Business Policy and Strategic Management	II/III
4	Mr. R. Anbarasan	Syllabus framed	Entrepreneurship	II/III
5	Dr. M. Murugan	Syllabus framed	Finance analytics	II/III
6	Dr. B. Elamurugan	Syllabus framed	HR analytics	II/III
7	Dr. R. Sivakumar	Syllabus framed	Marketing analytics	II/III
8	Dr. A. Vinoth	Syllabus framed	Operations analytics	II/III
9	Dr. A. Vinoth	Syllabus framed	Career readiness	II/III
10	Mr. T. Chandramohan	Syllabus framed	Selling and negotiation skills	II/III
11	Mr. A. Mathiazhagan	Syllabus framed	Entrepreneurship at the bottom of the pyramid	II/III
12	Mr. Ashley Dominic Benny	Syllabus framed	Start up launch pad	II/III
13	Dr. S Madhiyarasi	Syllabus framed	Designing and configuring business models	II/III
14	Mr. Ashley Dominic Benny	Syllabus framed	Legal contracts and compliance for entrepreneurs	II/III
15	Mr. A. Mathiazhagan	Syllabus framed	IPR strategies for entrepreneurs	II/III
16	Ms. S. Visalakshi	Syllabus framed	Stock Market Operations	II/III
17	Dr. M. Murugan	Syllabus framed	Financial Services Management	II/III
18	Ms. S. Visalakshi	Syllabus framed	Indian Financial System	II/III
19	Dr. M. Murugan	Syllabus framed	Behavioural Finance	II/III
20	Dr. M. Murugan	Syllabus framed	Business Taxation	II/III
21	Mr. A. Mathiazhagan	Syllabus framed	Human Resources Planning	II/III
22	Mr. A. Mathiazhagan	Syllabus framed	Training and Development	II/III
23	Mr. R. Anbarasan	Syllabus framed	Industrial Relations and Labour Legislation	II/III
24	Mr. R. Anbarasan	Syllabus framed	Performance Management	II/III
25	Mr. Ashley Dominic Benny	Syllabus framed	Leadership development	II/III
26	Dr. R. Sivakumar	Syllabus framed	Marketing Research	II/III
27	Mr. R. Anbarasan	Syllabus framed	Consumer Behaviour	II/III
28	Mr. R. Anbarasan	Syllabus framed	Management of Marketing Channels	II/III
29	Mr. R. Anbarasan	Syllabus framed	Sales Force Management	II/III
30	Mr. T. Chandramohan	Syllabus framed	Integrated Marketing Communications	II/III
31	Dr. Bala Sendhil Kumar G.	Syllabus framed	Business Process Re-engineering	II/III
32	Dr. M. Murugan	Syllabus framed	Production, Planning and Control	II/III
33	Dr. M. Murugan	Syllabus framed	Product and Process Design	II/III
34	Dr. A. Vinoth	Syllabus framed	Supply Chain Management	II/III
35	Dr. A. Vinoth	Syllabus framed	Materials Management	II/III
36	Dr. R. Sivakumar	Syllabus framed	Software Engineering	II/III
37	Dr. R. Sivakumar	Syllabus framed	System Analysis and Design	II/III
38	Dr. R. Sivakumar	Syllabus framed	Decision Support Systems	II/III
39	Dr. Bala Sendhil Kumar G.	Syllabus framed	Data Mining and Analytics	II/III
40	Dr. Bala Sendhil Kumar G.	Syllabus framed	Business Intelligence and Tools	II/IV
41	Mr. T. Chandramohan	Syllabus framed	International Business Management	II/IV
41	Dr. Bala Sendhil Kumar G.	Syllabus framed	Business Innovation Lab	II/IV
42	Dr. S Madhiyarasi	Syllabus framed	Business Negotiation	II/IV
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44	Dr. S Madhiyarasi	Syllabus framed	Entrepreneurial Finance	II/IV
45	Mr. R. Anbarasan	Syllabus framed	Entrepreneurial Marketing	II/IV
46	Mr. Ashley Dominic Benny	Syllabus framed	Managing Franchising Business	II/IV
47	Mr. Ashley Dominic Benny	Syllabus framed	Rural Entrepreneurship	II/IV
48	Mr. A. Mathiazhagan	Syllabus framed	Social Entrepreneurship	II/IV
49	Dr. S Madhiyarasi	Syllabus framed	Family Business Management	II/IV
50	Dr. S Madhiyarasi	Syllabus framed	International Finance	II/IV
51	Ms. S. Visalakshi	Syllabus framed	Banking Principles and Practice	II/IV
52	Dr. S Madhiyarasi	Syllabus framed	Investment Management	II/IV
53	Ms. S. Visalakshi	Syllabus framed	Credit Management	II/IV
54	Dr. S Madhiyarasi	Syllabus framed	Insurance and Risk Management	II/IV
55	Dr. M. Murugan	Syllabus framed	Mutual Funds Operations	II/IV
56	Dr. S Madhiyarasi	Syllabus framed	Income tax law and practice	II/IV
57	Mr. Ashley Dominic Benny	Syllabus framed	Stress Management	II/IV
58	Mr. A. Mathiazhagan	Syllabus framed	Compensation Management	II/IV
59	Mr. A. Mathiazhagan	Syllabus framed	Career Management	II/IV
60	Mr. A. Mathiazhagan	Syllabus framed	Emotional Intelligence and Managerial Effectiveness	II/IV
61	Dr. B. Elamurugan	Syllabus framed	Strategic Human Resource Management	II/IV
62	Mr. Ashley Dominic Benny	Syllabus framed	HRM in Knowledge based organization	II/IV
63	Mr. Ashley Dominic Benny	Syllabus framed	Cross Cultural Management	II/IV
64	Mr. T. Chandramohan	Syllabus framed	Brand Management	II/IV
65	Mr. T. Chandramohan	Syllabus framed	Services Marketing	II/IV
66	Mr. T. Chandramohan	Syllabus framed	Customer Relationship Marketing	II/IV
67	Dr. R. Sivakumar	Syllabus framed	Retail Management	II/IV
68	Mr. R. Anbarasan	Syllabus framed	Industrial Marketing	II/IV
69	Mr. T. Chandramohan	Syllabus framed	Digital Marketing	II/IV
70	Dr. R. Sivakumar	Syllabus framed	Green Marketing	II/IV
71	Dr. A. Vinoth	Syllabus framed	Logistics Management	II/IV
72	Dr. M. Murugan	Syllabus framed	Manufacturing Strategy	II/IV
73	Dr. A. Vinoth	Syllabus framed	Lean Manufacturing	II/IV
74	Dr. M. Murugan	Syllabus framed	Service Operations Management	II/IV
75	Dr. Bala Sendhil Kumar G.	Syllabus framed	Strategic Global Sourcing	II/IV
76	Dr. Bala Sendhil Kumar G.	Syllabus framed	Technological Innovations in Operations	II/IV
77	Dr. Bala Sendhil Kumar G.	Syllabus framed	Supply Chain Analytics	II/IV
78	Dr. R. Sivakumar	Syllabus framed	Enterprise Resource Planning	II/IV
79	Dr. R. Sivakumar	Syllabus framed	E-Commerce	II/IV
80	Dr. Bala Sendhil Kumar G.	Syllabus framed	Artificial Intelligence	II/IV
81	Dr. Bala Sendhil Kumar G.	Syllabus framed	Machine Learning	II/IV
82	Dr. Bala Sendhil Kumar G.	Syllabus framed	Big Data Analytics	II/IV
83	Dr. Bala Sendhil Kumar G.	Syllabus framed	Predictive Analytics	II/IV
84	Dr. Bala Sendhil Kumar G.	Syllabus framed	Social Media Analytics	II/IV

2.3 List of General, Functional and Applied and Elective Courses offered by the department

S. No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
		General Electives		
1	I/II	Total Quality Management	P20MST209	91
2	I/II	Project Management	P20MST208	89
		Functional Electives		
3	II/III	Financial Services Management	P20MSEF02	63
4	II/III	Indian Financial System	P20MSEF03	99
5	II/III	Training And Development	P20MSEH02	70
6	II/III	Industrial Relations and Labour Legislation	P20MSEH03	68
7	II/III	Consumer Behaviour	P20MSEM02	66
8	II/III	Integrated Marketing Communications	P20MSEM05	66
9	II/III	Data Mining and Analytics	P20MSES04	30
10	II/IV	Banking Principles and Practices	P20MSEF07	98
11	II/IV	Investment Management	P20MSEF08	98
12	II/IV	Insurance and Risk Management	P20MSEF10	36
13	II/IV	Stress Management	P20MSEH06	112
14	II/IV	Compensation Management	P20MSEH07	112
15	II/IV	Strategic Human Resource Management	P20MSEH10	87
16	II/IV	Brand Management	P20MSEM06	65
17	II/IV	Services Marketing	P20MSEM07	65
18	II/IV	Enterprise Resource Planning	P20MSES06	29
19	II/IV	Predictive Analytics	P20MSES11	29
20	II/IV	E-Commerce	P20MSES07	29
		Applied Electives		
21	II/III	Finance Analytics	P20MST303	58
22	II/III	HR Analytics	P20MST304	63
23	II/III	Marketing Analytics	P20MST305	33

2.4 List of Open Elective Courses offered by other department

S.No	Year / Sem	Offering Department	Name of the Elective Course	Course Code	Number of Students Registered
			NIL		

2.5 List of Skill Development Courses offered by the department

S.No	Year / Sem	Name of the Skill Development Course	Course Code	Number of Students Registered
1	I/I	Business Communication Lab	P20MSP108	180
2	I/I	Data Analytics Lab	P20MSP109	180
3	II/III	Career Readiness	P20MSP307	154
4	II/III	Selling and Negotiation Skills	P20MSP308	154
5	I/II	Career Planning	P20MSP210	180
6	I/II	Business Documentation Lab	P20MSP211	180
7	I/II	Python Programming Lab	P20MSP212	180
8	II/IV	Business Innovation Lab	P20MSP402	154
9	I/II	Mini Project	P20MSP213	154
10	II/III	Major Project	P20MSR350	154

2.6 List of Certification Courses offered by the department

S.No	Year / Sem	Name of the Certification Course	Course Code	Number of Students Registered
1	I/I	Advanced Excel	P20MSCX01	180
2	I/II	Digital Marketing	P20MSCX01	180
3	II/III	Microsoft Dynamics 365 for HR, Marketing and Finance	P20MSCX01	154

2.7 List of Mandatory Courses offered by the department

S.No	Year / Sem	Name of the Mandatory Course	Course Code	Number of Students Registered
1	II/IV	Online Certificate Courses (NPTEL, Course Era, Mooks...etc)	P20MSOL41	152

SECTION –3: TEACHING, LEARNING AND EVALUATION

3.1 Course Delivery
Semester: I & III

S.No	Name of the Course / Code	Name of the Faculty	No. of Lectures / Practical hours as per syllabus	No. of Lectures / Practical hours as per Lesson Plan	No. of Lectures / Practical hours conducted
1	Business Statistics- P20MST105	Dr. N.S.N. Cailassame	30	30	33
2	Major Project	Dr. N.S.N. Cailassame	10	10	10
3	Accounting for Management- P20MST102	Dr.A.S.Kannan	40	40	42
4	Social Immersion project- P20MSP110	Dr.A.S.Kannan	20	20	22
5	Data Mining and Analytics- P20MSES04	Dr.G. Bala Sendhil Kumar	20	20	23
6	Data Analytics Lab- P20MST109	Dr.G. Bala Sendhil Kumar	30	30	33
7	Business Law-P20MST104	Dr.S.Pougajendy	30	30	31
8	Data Analytics Lab- P20MST109	Dr.S.Pougajendy	30	30	31
9	Consumer Behaviour - P20MSEM02	Dr.L.Kavitha	40	40	42
10	Corporate Ethics and Social Responsibility-P20MST107	Dr.L.Kavitha	20	20	23
11	Social Immersion project- P20MSP110	Dr.L.Kavitha	20	20	22
12	HR Analytics- P20MST304	Dr.B.Elamurugan	40	40	43
13	Economics for Business Decisions-P20MST103	Dr.B.Elamurugan	40	40	42
14	Finance Analytics- P20MST303	Dr.S.Uma	40	40	41
15	Accounting for Management- P20MST102	Dr.S.Uma	40	40	42
16	Business Policy and Strategic Management- P20MST301	Dr.R.Sivakumar	30	30	33
17	Business Policy and Strategic Management- P20MST301	Dr.R.Sivakumar	30	30	32

#	Course	Faculty				
18	Data Analytics Lab-P20MST109	Dr.R.Sivakumar		30	30	33
19	Business Statistics-P20MST105	Mr.T.Chandramohan		30	30	32
20	Integrated Marketing Communications-P20MSEM05	Mr.T.Chandramohan		40	40	41
21	Major Project	Mr.T.Chandramohan		10	10	10
22	Accounting for Management-P20MST102	Ms. S. Visalakshi	40		40	44
23	Indian Financial System-P20MSEF03	Ms. S. Visalakshi		40	40	43
24	Financial Services and Management-P20MSEF02	Ms. S. Visalakshi		40	40	40
25	Training and Development-P20MSEH02	Mr.A.Mathiazhagan		40	40	40
26	Organizational Behavior/P20MST101	Mr.A.Mathiazhagan		40	40	42
27	Major Project	Mr.A.Mathiazhagan	10		10	10
28	Economics for Business Decisions-P20MST103	Dr.A.Vinoth		40	40	41
29	Organizational Behavior/P20MST101	Mr.R.Ramesh		40	40	42
30	Business Law-P20MST104	Ms. R. Kumuthavalli Revathy		30	30	31
31	Business Law-P20MST104	Ms. R. Kumuthavalli Revathy		30	30	32
32	Information Systems for Managers-P20MST106	Ms. R. Kumuthavalli Revathy		20	20	20
33	Organizational Behavior-P20MST101	Mr. Ashley Dominic Benny		40	40	42
34	Corporate Ethics and Social Responsibility-P20MST107	Mr.R.Anbarasan		20	20	21
35	Entrepreneurship-P20MST302	Mr.R.Anbarasan		40	40	40
36	Marketing Analytics-P20MST305	Mr.R.Anbarasan		40	40	41
37	Entrepreneurship-P20MST302	Ms.S.Jaanaki Rama		40	40	42
38	Social Immersion project-P20MSP110	Ms.S.Jaanaki Rama		20	20	20
39	Business Statistics-P20MST105	Mrs.S.Sasi		30	30	32
40	Entrepreneurship-P20MST302	Mrs.S.Sasi		40	40	42
41	Finance Analytics-P20MST303	Mrs.S.Sasi		40	40	42
42	Economics for Business Decisions-P20MST103	Mr. R. Logesh		40	40	41
43	Corporate Ethics and Social Responsibility-P20MST107	Mrs. P. Nithiya		20	20	21
44	Information Systems for Managers- P20MST106	Mrs. P. Nithiya		20	20	20
45	Indian Financial System-P20MSEF03	Mrs. P. Nithiya		40	40	42
46	Industrial Relations And Labour Legislation-P20MSEH03	Ms.Divya.M		40	40	40
47	Information Systems for Managers-P20MST106	Ms.Divya.M		20	20	21
48	Business Policy and Strategic Management- P20MST301	Mr.Shanmuga Raja.A		30	30	33

3.2 Use of ICT Tools in Teaching Learning

Semester: I&III

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr. N.S.N. Cailassame	Business Statistics-P20MST105	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
2	Dr. N.S.N. Cailassame	Major Project	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
3	Dr.A.S.Kannan	Accounting for Management- P20MST102	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
4	Dr.A.S.Kannan	Social Immersion project-P20MSP110	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
5	Dr.G. Bala Sendhil Kumar	Data Mining and Analytics- P20MSES04	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
6	Dr.G. Bala Sendhil Kumar	Data Analytics Lab-P20MST109	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
7	Dr.S.Pougajendy	Business Law-P20MST104	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
8	Dr.S.Pougajendy	Data Analytics Lab-P20MST109	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
9	Dr.L.Kavitha	Consumer Behaviour -P20MSEM02	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
10	Dr.L.Kavitha	Corporate Ethics and Social Responsibility-P20MST107	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
11	Dr.L.Kavitha	Social Immersion project-P20MSP110	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
12	Dr.B.Elamurugan	HR Analytics- P20MST304	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
13	Dr.B.Elamurugan	Economics for Business Decisions-P20MST103	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
14	Dr.S.Uma	Finance Analytics-P20MST303	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
15	Dr.S.Uma	Accounting for Management- P20MST102	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
16	Dr.R.Sivakumar	Business Policy and Strategic Management- P20MST301	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
17	Dr.R.Sivakumar	Business Policy and Strategic Management- P20MST301	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
18	Dr.R.Sivakumar	Data Analytics Lab-P20MST109	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
19	Mr.T.Chandramohan	Business Statistics-P20MST105	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
20	Mr.T.Chandramohan	Integrated Marketing Communications-P20MSEM05	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc

21	Mr.T.Chandramohan	Major Project	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
22	Ms. S. Visalakshi	Accounting for Management- P20MST102	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
23	Ms. S. Visalakshi	Indian Financial System- P20MSEF03	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
24	Ms. S. Visalakshi	Financial Services and Management-P20MSEF02	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
25	Mr.A.Mathiazhagan	Training and Development-P20MSEH02	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
26	Mr.A.Mathiazhagan	Organizational Behavior/P20MST101	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
27	Mr.A.Mathiazhagan	Major Project	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
28	Dr.A.Vinoth	Economics for Business Decisions-P20MST103	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
29	Mr.R.Ramesh	Organizational Behavior/P20MST101	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
30	Ms. R. Kumuthavalli Revathy	Business Law-P20MST104	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
31	Ms. R. Kumuthavalli Revathy	Business Law-P20MST104	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
32	Ms. R. Kumuthavalli Revathy	Information Systems for Managers-P20MST106	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
33	Mr. Ashley Dominic Benny	Organizational Behavior-P20MST101	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
34	Mr.R.Anbarasan	Corporate Ethics and Social Responsibility-P20MST107	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
35	Mr.R.Anbarasan	Entrepreneurship- P20MST302	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
36	Mr.R.Anbarasan	Marketing Analytics- P20MST305	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
37	Ms.S.Jaanaki Rama	Entrepreneurship- P20MST302	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
38	Ms.S.Jaanaki Rama	Social Immersion project-P20MSP110	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
39	Mrs.S.Sasi	Business Statistics-P20MST105	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
40	Mrs.S.Sasi	Entrepreneurship- P20MST302	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
41	Mrs.S.Sasi	Finance Analytics-P20MST303	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc

42	Mr. R. Logesh	Economics for Business Decisions-P20MST103	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
43	Mrs. P. Nithiya	Corporate Ethics and Social Responsibility-P20MST107	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
44	Mrs. P. Nithiya	Information Systems for Managers-P20MST106	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
45	Mrs. P. Nithiya	Indian Financial System- P20MSEF03	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
46	Ms.Divya.M	Industrial Relations And Labour Legislation- P20MSEH03	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
47	Ms.Divya.M	Information Systems for Managers-P20MST106	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc
48	Mr.Shanmuga Raja.A	Business Policy and Strategic Management- P20MST301	NPTEL Videos, Video Lecture, You tube Videos,PPTs…etc

3.3 List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1	Business Standard Insight Talk: Nestles Purpose-Led journey in India	MR. SANJAY KHAJURIA	5/6/2021	II MBA
2	Aspiring Entrepreneurs Program 2021(Entrepreneurship Awareness Campaign)	1.Sridhar Chakravarthi 2. Dharaneetharan G D. 3. Sivakumar Palaniappan. 4. Jino Jose	16/06/2021	II MBA
3	Thinking out of the box-Panel discussion	Srimanto Bhattacharya	19/06/21	II MBA
4	VUCAlogy-Business Strategy for MSME	Mr.KRISH	23/06/2021	II MBA
5	Predicting COVID-19 Waves using data science	Dr.Ramanan Laxminarayanan	30/07/2021	I-MBA
6	LINKEDIN For Learners	Mr.Anup Menon	15.09.2021	I-MBA
7	Creative Thinking	Mr.Krishnakumar, Support Studio-	24..09.2021	I-MBA
8	Leadership Skills required in today's Global Supply Chain Era	Mr.Puluthiraja, Reliance Retail	30..09.2021	I-MBA
9	Aspiring Entrepreneurs Program 2021(Entrepreneurship Awarness Campaign)	1.Sivakumar Palaniappan,2. Dr.R. Subramanian,3. CA.Mohammad Ibrahim, 4. Saravanan / 1.Foundar& director think fluence global, 2. Foundar & CEO MIND BIZ.3. Managing partner mohammed ibrahim charted accounts. 4. Head Marketing & Strategic Allience ICT Academy.	07/10/2021	I-MBA
10	Emergence from the Exponential Future	Mr. Arajahan – HR executive	11/10/2021	I-MBA
11	Managerial Excellence for Higher Organizational Productivity	Ms.Srusti - Fastrack HR Consultancy	17.12.2021	I-MBA
12	Trends in the IT industry-2021	Mr.Sankar Venkat- SMV Software Solution	29.12.2021	I-MBA
13	Career opportunities in Banking and Financial Services Industry	Mr.Venket Balaji- IDFC First Bank	6.01.2022	I-MBA
14	Strategies for succeeding in college	Mr.P Harish - Oppo Mobiles	28.01.2022	II MBA
15	Expectations of Corporate from fresh management graduates	Mr.Patricia- Makolet	04.02.2022	II-MBA
16	India's growth story in a dynamic global environment	Mr.Karthik Ganesh –Axis Bank	28.02.2022	I-MBA

17	Financial Planning	Mr.Kalaishanthi- Shasun	02.03.2022	I-MBA
18	Recognize innate Skills	Mr. Sampath kumar / SBI	15.03.2022	II MBA
19	Integration of management practices in contemporary Indian organizations	Mr.Purusoth -Harvard Consultancy	29.03.2022	I MBA
20	Breaking the Myths for career progression	Mr.Badri -Citi Union Bank	6.04.2022	II MBA

3.4 Activities for Slow and Advanced Learners

Semester: I & III:

S.No	Name of the Course	Name of the Faculty	Slow / Advanced Learners are Identified (Yes / No)	No. of Sessions conducted for slow learner	Activities / Task Assigned for Advanced Learners (Yes / No)
1	Business Statistics-P20MST105	Dr. N.S.N. Cailassame	Yes	5	Yes
2	Major Project	Dr. N.S.N. Cailassame	Yes	5	Yes
3	Accounting for Management-P20MST102	Dr.A.S.Kannan	Yes	5	Yes
4	Social Immersion project-P20MSP110	Dr.A.S.Kannan	Yes	5	Yes
5	Data Mining and Analytics-P20MSES04	Dr.G. Bala Sendhil Kumar	Yes	5	Yes
6	Data Analytics Lab-P20MST109	Dr.G. Bala Sendhil Kumar	Yes	5	Yes
7	Business Law-P20MST104	Dr.S.Pougajendy	Yes	5	Yes
8	Data Analytics Lab-P20MST109	Dr.S.Pougajendy	Yes	5	Yes
9	Consumer Behaviour -P20MSEM02	Dr.L.Kavitha	Yes	5	Yes
10	Corporate Ethics and Social Responsibility-P20MST107	Dr.L.Kavitha	Yes	5	Yes
11	Social Immersion project-P20MSP110	Dr.L.Kavitha	Yes	5	Yes
12	HR Analytics- P20MST304	Dr.B.Elamurugan	Yes	5	Yes
13	Economics for Business Decisions-P20MST103	Dr.B.Elamurugan	Yes	5	Yes
14	Finance Analytics-P20MST303	Dr.S.Uma	Yes	5	Yes
15	Accounting for Management-P20MST102	Dr.S.Uma	Yes	5	Yes
16	Business Policy and Strategic Management- P20MST301	Dr.R.Sivakumar	Yes	5	Yes
17	Business Policy and Strategic Management- P20MST301	Dr.R.Sivakumar	Yes	5	Yes
18	Data Analytics Lab-P20MST109	Dr.R.Sivakumar	Yes	5	Yes
19	Business Statistics-P20MST105	Mr.T.Chandramohan	Yes	5	Yes
20	Integrated Marketing Communications-P20MSEM05	Mr.T.Chandramohan	Yes	5	Yes
21	Major Project	Mr.T.Chandramohan	Yes	5	Yes
22	Accounting for Management-P20MST102	Ms. S. Visalakshi	Yes	5	Yes
23	Indian Financial System-P20MSEF03	Ms. S. Visalakshi	Yes	5	Yes
24	Financial Services and Management-P20MSEF02	Ms. S. Visalakshi	Yes	5	Yes
25	Training and Development-P20MSEH02	Mr.A.Mathiazhagan	Yes	5	Yes

26	Organizational Behavior/P20MST101	Mr.A.Mathiazhagan	Yes	5	Yes
27	Major Project	Mr.A.Mathiazhagan	Yes	5	Yes
28	Economics for Business Decisions-P20MST103	Dr.A.Vinoth	Yes	5	Yes
29	Organizational Behavior/P20MST101	Mr.R.Ramesh	Yes	5	Yes
30	Business Law-P20MST104	Ms. R. Kumuthavalli Revathy	Yes	5	Yes
31	Business Law-P20MST104	Ms. R. Kumuthavalli Revathy	Yes	5	Yes
32	Information Systems for Managers-P20MST106	Ms. R. Kumuthavalli Revathy	Yes	5	Yes
33	Organizational Behavior-P20MST101	Mr. Ashley Dominic Benny	Yes	5	Yes
34	Corporate Ethics and Social Responsibility-P20MST107	Mr.R.Anbarasan	Yes	5	Yes
35	Entrepreneurship- P20MST302	Mr.R.Anbarasan	Yes	5	Yes
36	Marketing Analytics-P20MST305	Mr.R.Anbarasan	Yes	5	Yes
37	Entrepreneurship- P20MST302	Ms.S.Jaanaki Rama	Yes	5	Yes
38	Social Immersion project-P20MSP110	Ms.S.Jaanaki Rama	Yes	5	Yes
39	Business Statistics-P20MST105	Mrs.S.Sasi	Yes	5	Yes
40	Entrepreneurship- P20MST302	Mrs.S.Sasi	Yes	5	Yes
41	Finance Analytics-P20MST303	Mrs.S.Sasi	Yes	5	Yes
42	Economics for Business Decisions-P20MST103	Mr. R. Logesh	Yes	5	Yes
43	Corporate Ethics and Social Responsibility-P20MST107	Mrs. P. Nithiya	Yes	5	Yes
44	Information Systems for Managers- P20MST106	Mrs. P. Nithiya	Yes	5	Yes
45	Indian Financial System-P20MSEF03	Mrs. P. Nithiya	Yes	5	Yes
46	Industrial Relations And Labour Legislation-P20MSEH03	Ms.Divya.M	Yes	5	Yes
47	Information Systems for Managers-P20MST106	Ms.Divya.M	Yes	5	Yes
48	Business Policy and Strategic Management- P20MST301	Mr.Shanmuga Raja.A	Yes	5	Yes

3.5   Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
1	Mentor Allocation	Yes	
2	Class wise student Profile Record Maintained	Yes	
3	Mentor – Mentee Session Record Maintained	Yes	

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor: Mentee Ratio
334	24	1:14

3.6   Internal Evaluation Systems

S.No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	
2	Seminar / Project Review Record	Yes	
3	End Semester Examination Record	Yes	
4	Student Grade Report	Yes	

3.7 Learning Outcomes

S.No	Particular	Yes / No	Remarks (if any)
1	PO, PEO, PSO, CO are well stated	Yes	
2	Correlation of COs with POs and PSOs for each Course	Yes	
3	Course Outcome Attainment Calculated	Yes	Mention the target:
4	PSO and PO attainment through CO	NA	

3.8 Student Performance in End Semester Examination

Semester – I

Sr. No	Particular	MBA
		180
1	Number of Students appeared	169
2	Number of All Clear Students	
3	Number of Students passed with Distinction	
4	Number of Students passed with First Class	
5	Number of Students passed with Second Class	
6	Number of Students Failed	
7	Passing Percentage	

SECTION – IV : STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes		
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes		
3	Student Exit Survey conducted and Analysed	Yes		
4	Alumni Feedback conducted and Analysed	Yes		

SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS

5.1 Research Grants, Projects completed and ongoing from various Funding Agencies

S.No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
			NIL		
1					

5.2 Consultancy Works

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S.No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consultancy
1	NIL				

5.3 Faculty Publications

Publication Details

Sr. No	Academic Year	Papers Published in peer reviewed Journals	Scopus, Web of Science Indexing Papers	Total Number of Citations	h-index	Impact Factor range / Average Impact Factors
1	2021-22	ATNA - journal of Tourism Studies	UGC-Care	NIL	NIL	--

Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	Nil
Number of Publication in International Journals	1
Number of Publication in National Conferences	Nil
Number of Publication in International Conferences	Nil
Number of Books / Book Chapters	Nil
Number of Patent (Filed)	2
Number of Patents Granted	1

National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
1	NIL			

International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	Examining the structural relationships among antecedents of tourist satisfaction and its behavioural consequences case of puducherry	Dr.B. Elamurugan	ATNA - journal of Tourism Studies	Vol.99. No-20 Pp:4759-4769 E-ISSN: 1817-3195	Web of science

National Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	NIL					

International Conference

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	NIL					

Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1		NIL		

Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1	Dr. Bala Sendhil Kumar G.	Dr. Bala Sendhil Kumar G.	A Market Study About Laser Toner	202241000405 A & 04.02.2022	India	Published
2	Dr.S.Pougajendy	Dr.S.Pougajendy	Management Information System Using Block Chain Technology In Ecommerce Enterprise	202241025600 A & 02/05/2022	India	Yet to Publish
3	Dr.S.Pougajendy	Dr.S.Pougajendy	Industrial ERP System Over Blockchain Technology	202221025755 & 03/05/2022	India	Yet to publish

SECTION – VI: COLLABORATIONS AND LINKAGES

6.1   Student Internships

S.No	Name of the Student	Name of the Sponsored Industry / Research Institute / Partnering Institution	About Internship		
			Duration	From date	To date
1	V. Bhuvaneswari	Master Associates	13 days	07/02/2022	19/02/2022
2	P.Anitha	Master Associates	13 days	07/02/2022	19/02/2022
3	Shri Nandhini	Indian Bank	2 weeks	07/03/2022	20/03/2022
4	S. Krishnavarshini	NLC India ltd	2 weeks	01/3/2022	14/3/2022
5	P.Pavithra	First Engineering Plastic India Pvt Ltd,	15 days	28/02/2022	14/3/2022
6	S. Keerthana	Rane (Madras) Limited	10 days	09/02/2022	24/02/2022
7	R. Gayathri	Rane (Madras) Limited	10 days	09/02/2022	24/02/2022
8	M. Bhuvaneswari	Rane (Madras) Limited	10 days	09/02/2022	24/02/2022
9	V. Manibala	SOLARA	15days	09/02/2022	23/02/2022
10	J. Saranya	SOLARA	15days	09/02/2022	23/02/2022
11	R. Priyanka	SOLARA	15days	09/02/2022	23/02/2022
12	R. Pappi @Pavithra	SOLARA	15days	09/02/2022	23/02/2022
13	K. Valampuri	Support Studio Technologies	3 months	13/02/2022	29/5/2022
14	S. Vinothkumar	Support Studio Technologies	3 months	13/02/2022	13/5/2022
15	M. Elakiya	Support Studio Technologies	3 monnths	13/02/2022	13/5/2022
16	A.Jeralin	Electro Tech Engineers	15 days	07/03/2022	23/03/2022
17	K. Nandhini	Electro Tech Engineers	15 days	07/03/2022	23/03/2022
18	M. Nivedha	Electro Tech Engineers	15 days	07/03/2022	23/03/2022

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19	K. Kirthika	Electro Tech Engineers	15 days	07/03/2022	23/03/2022
20	R. Kuralarasan	Kaar Technologies	6 months	16/03/2022	31/05/2022
21	A. Akshayaa	NLC India Ltd	10 days	25/01/2022	05/02/2022
22	Sheeja	Kaar Technologies	2 months	02/03/2022	31/05/2022
23	R. Anand	Sri Sai Polymer's	3 months	02/04/2022	02/06/2022

6.2 Sponsored / Industry Projects

S.No	Project Title	Name of the Student/s	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration of the Project (Months)
1	NIL			

6.3 Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
1	NIL			

6.4 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1	HR Sangam	2016	Industry experts talks, career development training	Long term

SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	NIL
Number of Students opted Higher Studies	NIL
Number of Entrepreneur	NIL

7.1 Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1	NIL		

7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1	NIL		

7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address

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1	NIL

8.1 Technical Event / Workshop for Student

S.No	Name of the Event / Workshop	Organized under (Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1					

8.2 FDP /Workshop / STTP / Conference for Faculty

S.No	Name of the Event / Workshop	Organized under(Department / Student Association/ Profession Chapter)	Date of Event	Level (State / National / International)	No. of Participants
1					

SECTION – IX: ACHIEVEMENTS

9.1 Awards and Prizes Received by Students

S.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1				

9.2 Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies

S.No	Name of the Faculty	Members of Committees at University Level / State Level / National Level / International Level as
1		

9.3 Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1		

9.4 Awards / Prizes and Recognitions received by teachers at University, State, National and International Level

S.No	Name of the Faculty	Name of Awards / Recognition
		NIL
1		

9.5 **Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level**

S.No	Name of the Faculty	FDP /STTP /Workshop /Conference Title	Organized by	Duration (Days)
1	Dr. G Bala Sendhil Kumar	FDP on " How to make Teaching Learning Process Effective & Outcomes based "	Department of Commerce CHRISTIAN EMINENT COLLEGE, INDORE in association of Indian Agricultural Research Institute, Indore, India	8
2	Dr. G Bala Sendhil Kumar	ATAL FDP on "Introduction to Social Entrepreneurship"	Gujarat National Law University in association with AICTE Training and Learning Academy(ATAL)	5
3	R. Anbarasan	FDP on "Experimental Teaching . Corporate Cognizance"	Organised by Dept of Commerce in association with TCS , Sri Ramakrishna College of Arts and Science , Coimbature.Tamil Nadu.	5
4	Dr. G Bala Sendhil Kumar	FDP on "Experimental Teaching . Corporate Cognizance"	Organised by Dept of Commerce in association with TCS , Sri Ramakrishna College of Arts and Science , Coimbature.Tamil Nadu.	5
5	R. Anbarasan	FDP on "Changing Dimensions of IPR in India . An Intellectual Deliberation"	JAIN College, Vasavi Temple Road, V.V Puram, Bangalore. in aasociation with Karnataka State Council for Science & Technology	6
6	Dr. G Bala Sendhil Kumar	FDP on "a2z of NBA Accreditation Process"	Department of Electronics & Communication Engineering, INDERPRASTHA ENGINEERING COLLEGE, GHAZIABAD	15
7	Dr. G Bala Sendhil Kumar	FDP on "Building Data Science Applications with Python"	Department of Computer Science & Engineering, RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY, GHAZIABAD (U.P)	5
8	Dr.N.S.N.Cailassame	Virtual Faculty Development Program on "Business Analytics"	Dept of MBA Achariya Institute of Technology, Bangalure.	3
9	Dr. S. Pougajendy	NPTEL - AICTE FDP	NPTEL	12 WEEKS
10	Dr. Bala Sendhil Kumar G.	ATAL FDP on "Data Analytics for Research and Publication"	AICTE Training and Learning Academy(ATAL)	5
11	Dr. B. Elamurugan	Virtual Faculty Development Program on "Business Analytics"	Dept of MBA Achariya Institute of Technology, Bangalure.	3
12	Dr. L. Kavitha	Virtual Faculty Development Program on "Business Analytics"	Dept of MBA Achariya Institute of Technology, Bangalure.	3
13	Dr.S.Uma	Virtual Faculty Development Program on "Business Analytics"	Dept of MBA Achariya Institute of Technology, Bangalure.	3

Declaration by HoD

I am aware that the above information provided by the department will be validated by the Academic and Administrative Audit (AAA) committee during the visit.

Head of the Department

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Recommendations:

Section	Remarks
Curricular Aspects	--
Teaching, Learning and Evaluation	--
Structured Feedback	--
Research, Innovation and Publications	Emphasize R&D on impactful projects while actively pursuing funding, consultancy, and publications in books and conferences.
Collaborations and Linkages	--
Student Progression	No data is currently available
Activity Conducted / Organized by the Department	--
Achievements	--
General Remarks	--

Signature of the Internal Academic Audit Experts

Dr.T. Coumaressin
Associate Professor
Department of Mechanical Engineering,
SMVEC

Dr.S.Ganeshkumaran
Associate Professor
Department of Electrical and Electronics
Engineering, SMVEC

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INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

NON COMPLIANCE - REPORT

ACADEMIC YEAR 2021-2022

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SMVEC / IQAC /INT / AAA/ 2021-22 /01   14-03-2022

<u>**NON-CONFORMANCES IN AAA**</u>

To
    The Head of the Department
    Department of Electrical and Electronics Engineering
    Sri Manakula Vinayagar Engineering College
    Madagadipet, Puducherry – 605 107

Dear Sir
    Sub : Requesting Action taken Report for Non-Conformances in AAA – Reg
    Ref : SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-02-2022
                    *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 10th March 2022. The following non-conformances were observed during the audit.

Section No.	Particulars	Remarks Given
SECTION – II: CURRICULAR ASPECTS	
2.5	List of Skill Development Courses offered by the department	Supporting Documents need to be evidenced.
	SECTION – III: TEACHING, LEARNING AND EVALUATIONS	
3.4	Activities for Slow and Advanced Learners	Documents Submitted mismatched with the hours indicated.
	SECTION – IX: ACHIVEMENTS	
9.1	Awards and prizes received by Students	Students participation in events organized by reputed organizations needs to be increased.

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April 15, 2022

Thanking You
Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

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INTERNAL QUALITY ASSURANCE CELL

SMVEC / IQAC /INT / AAA/ 2021-22 /01   14-03-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Electronics and Communication Engineering
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir

    Sub : Requesting Action taken Report for Non-Conformances in AAA – Reg
    Ref : SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-2-2022
                    *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 10 March 2022. The following non-conformance was observed during the audit.

Section No.	Particular	Remarks
1	Curricular Aspects	Allied subjects can be introduced
2	Teaching, Learning and Evaluation	Lab manuals should be done manually by students, Mentoring of slow learners to be done effectively.
3	Structured Feedback	More number of alumni feedback to be collected
4	Research, Innovation and Publications	Need to improve
5	Collaborations and Linkages	Need to improve
6	Student Progression	All relevant documents are verified
7	Activity Conducted / Organized by the Department	More professional body activities required
8	Achievements	Dynamic Achievements Required

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April 15, 2022

Thanking You
Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

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ENGINEERING COLLEGE**
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INTERNAL QUALITY ASSURANCE CELL

SMVEC / IQAC /INT/ AAA/ 2021-22 /01   14-03-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Computer Science and Engineering
Sri ManakulaVinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir
    Sub : Requesting Action taken Report for Non-Conformances in AAA – Reg
    Ref : SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-02-2022
   *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 10th March 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS		
5.1	Research grants, Projects completed and on-going from various funding agencies	Need to initiate works related to research
5.3.6	Number of Patent (Filed)	Need to add two more patents to the list submitted.
SECTION – VI: COLLABORATIONS AND LINKAGES		
6.2	Sponsored / Industry Projects	Need to submit documentary evidence on sponsored/ industry projects
SECTION – VII: STUDENT PROGRESSION		
7.2	Higher Studies	Require documentary evidences of students pursuing higher studies
SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT		
8.2	FDP /Workshop / STTP / Conference for Faculty	Need to organize minimum 2 programme per year

SECTION – IX: ACHIEVEMENTS		
9.4	Awards / Prizes and Recognitions received by teachers at University, State, National and International Level	Staff need to apply for awards and other recognitions and document the same

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April15, 2022

Thanking You
Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

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SMVEC / IQAC / INT / AAA/ 2021-22 /01   14-03-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Information Technology
Sri ManakulaVinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir,

      Sub: Requesting Action taken Report for Non-Conformances in AAA – Reg.
      Ref: SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-02-2022
                      *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 10th March 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
SECTION - V : RESEARCH, INNOVATION AND PUBLICATIONS		
5.1	Research grants, Projects completed and on-going from various funding agencies	Need to initiate Research Grant related works in the department
SECTION - VIII : ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT		
8.2	FDP /Workshop / STTP / Conference for Faculty	A minimum of 2 programme per semester to be organized

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before 15th April 2022.

Thanking You
Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

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SMVEC/IQAC/INT/AAA/ 2021-22 /01   14-03-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Mechanical Engineering
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir

     Sub : Requesting Action taken Report for Non-Conformances in AAA – Reg
     Ref : SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-02-2022
               *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 10th March 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
	SECTION – IV : STRUCTURED FEEDBACK	
4.0	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Parents feedback count need to be increased
	SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS	
5.3	Faculty Publications	Publication count need to be increased
	SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT	
8.2	FDP /Workshop / STTP / Conference for Faculty	Organize more FDP/STTP in the department

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April 15, 2022

Thanking You
Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

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INTERNAL QUALITY ASSURANCE CELL

SMVEC / IQAC /INT/ AAA/ 2021-22 /01   14-03-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Instrumentation and Control Engineering
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir

Sub: Requesting Action taken Report for Non-Conformances in AAA – Reg
Ref: SMVEC / IQAC /01/ CIRCULAR /01 dated 21-02 -2022
*****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 10th March 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS		
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	Needs more focus on R &D for good research projects and apply for funding and publications in reputed journals.
5.3	Faculty Publications	
5.3.6	Number of Patent (Filed)	
5.3.7	Number of Patents Granted	
SECTION – IX: ACHIEVEMENTS		
9.4	Awards / Prizes and Recognitions received by teachers at University, State, National and International Level	Need documentary evidences on receiving of awards /recognition
9.5	Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level	Need documentary evidences on the participation of faculty in various seminars and workshops.

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April 15, 2022

Thanking You
Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

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SMVEC / IQAC/INT/AAA/ 2021-22 /01   14-03-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Civil Engineering
Sri ManakulaVinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir
  Sub : Requesting Action taken Report for Non-Conformances in AAA – Reg
  Ref : SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-02-2022
      *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22in your departmenton 10thMarch 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
SECTION – II : CURRICULAR ASPECTS		
2.5	List of Skill Development Courses offered by the Department	SDC to have course content and to be shown during audit.
SECTION – III: TEACHING, LEARNING AND EVALUATION		
3.3	List of Expert Lectures / Workshop Conducted	Feedback available and its analysis to be made ready for expert lectures /workshop conducted
3.8	Student Performance in End Semester Examination	Internal Attainment tests for 1st Year/II Sem to be available for all courses
SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT		
8.2	FDP /Workshop / STTP / Conference for Faculty	Faculty to organise FDP in the department

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April 15, 2022.

Thanking You
Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

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SMVEC / IQAC /INT / AAA/ 2021-22 /01

14-03-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Biomedical Engineering
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir

   Sub : Requesting Action taken Report for Non-Conformances in AAA – Reg
   Ref : SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-02-2022
                                *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22in your departmenton 11ᵗʰMarch 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
SECTION –3: TEACHING, LEARNING AND EVALUATION		
3.5	Counseling and Mentoring	Record of counselling and mentoring to be updated and documented.

Section No.	Particular	Remarks
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS		
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	Efforts to be made in R&D to publish papers in reputed journals, applying patents and receive funds from external agencies
5.2	Consultancy Works	
5.3	Faculty Publications	
5.3.1	Number of Publication in National Journals	
5.3.2	Number of Publication in International Journals	

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5.3.3	Number of Publication in National Conferences	
5.3.4	Number of Publication in International Conferences	
5.3.5	Number of Books / Book Chapters	
5.3.6	Number of Patent (Filed)	
5.3.7	Number of Patents Granted	

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April 15, 2022.

Thanking You

Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

SRI MANAKULA VINAYAGAR
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SMVEC / IQAC/INT/AAA/ 2021-22 /01   14-03-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Artificial Intelligence and Data Science
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir

      Sub : Requesting Action taken Report for Non-Conformances in AAA – Reg
      Ref : SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-02-2022
                         *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 11th March 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS		
5.1	Research grants, Projects completed and on-going from various funding agencies	**Need to initiate works related to research**
SECTION – VI: COLLABORATIONS AND LINKAGES		
6.2	Sponsored / Industry Projects	**Need to submit documentary evidence on sponsored/ industry projects**
SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT		
8.2	FDP /Workshop / STTP / Conference for Faculty	**Need to organize minimum 2 programme per year**
SECTION – IX: ACHIEVEMENTS		
9.4	Awards / Prizes and Recognitions received by teachers at University, State, National and International Level	**Staff need to apply for awards and other recognitions and document the same**

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April 15, 2022

Thanking You
Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

SMVEC / IQAC/INT/AAA/ 2021-22 /01

14-03-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Mechatronics
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir

> **Sub** : Requesting Action taken Report for Non-Conformances in AAA – Reg
> **Ref** : SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-02-2022
> *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 11th March 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
	SECTION – VI: COLLABORATIONS AND LINKAGES	
6.2	Sponsored / Industry Projects	Industry and sponsored projects need to be encouraged
	SECTION – VII: STUDENT PROGRESSION	
7.1	Placements	Not applicable
	SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT	
8.2	FDP /Workshop / STTP / Conference for Faculty	Insisted to conduct FDP/Workshop/STTP in the department

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April 15, 2022

Thanking You

Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

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SMVEC / IQAC/INT/AAA/ 2021-22 /01   14-03-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Computer Science & Business Systems
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir

    Sub: Requesting Action taken Report for Non-Conformances in AAA – Reg
    Ref: SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-02-2022
                    *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 10th March 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
	SECTION – IX: ACHIEVEMENTS	
9.4	Awards / Prizes and Recognitions received by teachers at University, State, National and International Level	**Need documentary evidences on receiving of awards /recognition**

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April 15, 2022

Thanking You
Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

SMVEC / IQAC /INT/ AAA/ 2021-22 /01   14-03-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Computer and Communication Engineering
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir

        Sub : Requesting Action taken Report for Non-Conformances in AAA – Reg
        Ref : SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-02-2022
                      *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 11th March 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS	
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	Require more focus and attention in research for receiving funds, publishing books and filing patents.
5.2	Consultancy Works	
5.3	Faculty Publications	
5.3.3	Number of Publication in National Conferences	
5.3.5	Number of Books / Book Chapters	
5.3.7	Number of Patents Granted	
SECTION – VI: COLLABORATIONS AND LINKAGES	
6.2	Sponsored / Industry Projects	Functional MoU's need more attention for more exposure in the industrial requirements.
6.4	Functional Memorandum of Understanding (MoU)	

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April 15, 2022.

Thanking You
Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

SRI MANAKULA VINAYAGAR
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Puducherry - 605 107

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INTERNAL QUALITY ASSURANCE CELL

SMVEC /IQAC /01 / AAA/ 2021-22 /01   14-03-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Fashion Technology
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir

    Sub : Requesting Action taken Report for Non-Conformances in AAA – Reg
    Ref : SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-02-2022
                         *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 10th March 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
SECTION –2 : CURRICULAR ASPECTS		
2.1	**Academic Plan**	
2.1.2	Faculty Subject Preferences	**Document evidences for preference, allotment of courses to faculty.**
2.1.4	Course allotment to the Faculty	
2.6	List of Certification Courses offered by the department	**Course Certification reports to be maintained**
SECTION – IV : STRUCTURED FEEDBACK		
4.2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	**Parent meeting record and the feedback mechanism to be initiated and action taken report to be maintained**
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS		
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	**Research, consultancy, publications of journals, patent filing by faculty members needs to be initiated and require most attention in generating funds.**
5.2	Consultancy Works	
5.3	Faculty Publications	
5.3.1	Number of Publication in National Journals	

5.3.2	Number of Publication in International Journals	
5.3.3	Number of Publication in National Conferences	
5.3.4	Number of Publication in International Conferences	
5.3.5	Number of Books / Book Chapters	
5.3.6	Number of Patent (Filed)	
5.3.7	Number of Patents Granted	
SECTION – VI: COLLABORATIONS AND LINKAGES		
6.2	Sponsored / Industry Projects	**MoU's to be signed for better linkages and collaboration with industry and they must be functional.**
6.4	Functional Memorandum of Understanding (MoU)	
SECTION – IX: ACHIEVEMENTS		
9.1	Awards and Prizes Received by Students	
9.2	Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies	**Need initiation by faculty and students for active participation in various professional societies and get recognition through tose societies/ bodies.**
9.3	Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers	
9.4	Awards / Prizes and Recognitions received by teachers at University, State, National and International Level	

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April 15, 2022

Thanking You
Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

SMVEC / IQAC / INT / AAA / 2021-22 /01   14-03-2022

NON-CONFORMANCES IN AAA

To
The Principal
School of Architecture
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir
    Sub: Requesting Action taken Report for Non-Conformances in AAA – Reg
    Ref: SMVEC / IQAC / 01/ CIRCULAR / 22 dated 21-02-2022
                *****

An Academic and Administrative Audit (AAA) were conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your school on 11th March 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
3.4	Activities for Slow and Advanced Learners	**Slow learners needs to be identified and actions taken for them need to be documented.**
3.5	Counseling and Mentoring	**Mentor –Mentee system to be made functional with proper track records.**
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS		
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	**Need to concentrate on publishing research papers in reputed journals and file patents. Documentary evidence essential for receiving funds from external agencies**
5.2	Consultancy Works	
5.3	**Faculty Publications**	
5.3.1	Number of Publication in National Journals	
5.3.2	Number of Publication in International Journals	
5.3.3	Number of Publication in National Conferences	
5.3.5	Number of Books / Book Chapters	

5.3.6	Number of Patent (Filed)	
5.3.7	Number of Patents Granted	
SECTION – VI: COLLABORATIONS AND LINKAGES		
6.2	Sponsored / Industry Projects	**Functional MoU's required for training, placements, internship etc.,**
6.4	Functional Memorandum of Understanding (MoU)	
SECTION – VII: STUDENT PROGRESSION		
7.1	Placements	**Need documentary evidences on the track record of passed out students**
7.2	Higher Studies	
7.3	Entrepreneur	
SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT		
8.1	Technical Event / Workshop for Student	**Require a minimum of 2 Programme per year**
8.2	FDP /Workshop / STTP / Conference for Faculty	
SECTION – IX: ACHIEVEMENTS		
9.4	Awards / Prizes and Recognitions received by teachers at University, State, National and International Level	**Need documentary evidences on receiving of awards /recognition**

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before April 04, 2022.

Thanking You
Yours Truly

Dr.R.Subramaniyan
IQAC Coordinator

**SRI MANAKULA VINAYAGAR
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INTERNAL QUALITY ASSURANCE CELL

SMVEC / IQAC /INT / AAA/ 2021-22 /01   27-07-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Master of Computer Applications
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir

      Sub : Requesting Action taken Report for Non-Conformances in AAA – Reg
      Ref : SMVEC / IQAC / 01/ CIRCULAR / 22 dated 25-07-2022
                 *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 25th July 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
SECTION – IV : STRUCTURED FEEDBACK		
4.2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	**Parent meeting record and the feedback mechanism to be initiated and action taken report to be maintained**
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS		
5.2	Consultancy Works	**Require most attention to increase consultancy work for students**
SECTION – VI: COLLABORATIONS AND LINKAGES		
6.4	Functional Memorandum of Understanding (MoU)	**Need initiation by faculty to MoU's to be signed for better linkages and collaboration with industry and they must be functional.**

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before Aug 20, 2022

Thanking You
Yours Truly

Dr.AA. Arivalagar
IQAC Coordinator

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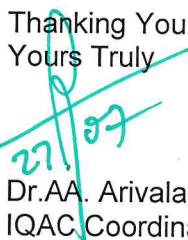
SMVEC / IQAC /02 / AAA/ 2021-22 /01   27-07-2022

NON-CONFORMANCES IN AAA

To
The Head of the Department
Department of Management studies
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir

    Sub : Requesting Action taken Report for Non-Conformances in AAA – Reg
    Ref : SMVEC / IQAC / 01/ CIRCULAR / 22 dated 25-07-2022
                      *****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 25th July 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS		
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	Emphasize R&D on impactful projects while actively pursuing funding, consultancy, and publications in books and conferences.
5.2	Consultancy Works	
	Books/Book Chapters	
	National/International Conferences	
SECTION – VI: COLLABORATIONS AND LINKAGES		
6.2	Sponsored / Industry Projects	No data is currently available.
SECTION – VII: STUDENT PROGRESSION		
7.1	Placements	No data is currently available.
7.2	Higher Studies	
7.3	Entrepreneur	

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before Aug 20, 2022

Thanking You
Yours Truly

Dr.AA. Arivalagar
IQAC Coordinator

27 07

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INTERNAL QUALITY ASSURANCE CELL

ACADEMIC AND ADMINISTRATIVE AUDIT

ACTION TAKEN REPORT

ACADEMIC YEAR 2021-2022

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
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NAAC
NATIONAL ASSESSMENT AND
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INTERNAL QUALITY ASSURANCE CELL

SMVEC / HEAD - EEE /INT / AAA/ 22

13-04-2022

ACTION TAKEN REPORT

To

Dr.A.A. Arivalagar
IQAC Coordinator
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry – 605 107

Dear Sir

Sub : Action taken Report submission for Non-Conformances in AAA – Reg
Ref : SMVEC / IQAC /INT / AAA/ 2021-22 /01
*****

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2021-22 in our department on 10th March 2022. It is hereby informed that we have attached action take report for the non-conformances in AAA as given below.

Section No.	Particulars	Remarks Given	Action Taken
SECTION – II: CURRICULAR ASPECTS			
2.5	List of Skill Development Courses offered by the department	Supporting Documents need to be evidenced.	The various Skill Development Courses were conducted and the reports were collected during this semester and are available in the department.
SECTION – III: TEACHING, LEARNING AND EVALUATIONS			
3.4	Activities for Slow and Advanced Learners	There is a mismatch in the hours mentioned in the documents and proof.	The number of hours handled for slow and advanced learners are verified and updated.
SECTION – IX: ACHIVEMENTS			
9.1	Awards and prizes received by Students	Students participation in events organized by reputed organizations needs to be increased.	Students were motivated to participate in various events like SIH, L&T techgium etc and the consistent guidance were provided by the faculty members.

Thanking You
Yours Truly

Dr.P.Jamuna

4A4

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SMVEC/ECE/IQAC/INT/AAA/2021-22/01   12.4.2022

From

The Head of the Department
Department of Electronics and Communication Engineering
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry-605 107

Dear Sir

Sub: Action Taken Report for Non-Conformances in AAA –Reg

Ref: SMVEC / IQAC /INT / AAA/ 2021-22 /01 dated 14.03.22

The following non-conformance was received during the Academic and Administrative Audit (AAA) conducted by the internal Expert members nominated by IQAC for the academic year 2021-22 in ECE on 10 March 2022.

Section No.	Particular	Remarks
1	Curricular Aspects	Identify relevant allied subjects that complement the core curriculum.
2	Teaching, Learning and Evaluation	Incorporate a structured process for students to actively engage in creating lab manuals; Establish a mentoring system that caters to the individual needs of slow learners.
3	Structured Feedback	Create an online platform for alumni to share their experiences and suggestions, Analyze feedback to identify strengths and areas for improvement
4	Research, Innovation and Publications	Conduct a thorough analysis of areas needing improvement and develop action plans.
5	Collaborations and Linkages	Implement regular reviews and updates to enhance overall quality.
6	Student Progression	All relevant documents are verified
7	Activity Conducted / Organized by the Department	Foster stronger ties with professional bodies and industry partners. Organize workshops, seminars, and events in collaboration with professional bodies. Encourage student participation in professional conferences and

Section No.	Particular	Action Taken
8	Achievements	competitions. Set specific and challenging goals for dynamic achievements.

In response to the previously mentioned non-conformance the following measures are being put in to effect.

Section No.	Particular	Action Taken
1	Curricular Aspects	The Department Advisory Committee is set to propose allied subjects
2	Teaching, Learning and Evaluation	Students are advised to manually write observations before the conduction of experiment. A limited number of students will be assigned to each faculty for effective mentoring of slow learners.
3	Structured Feedback	An Alumni Meet is scheduled to gather ample feedback.
4	Research, Innovation and Publications	The Research and Development department has been notified to take appropriate action.
5	Collaborations and Linkages	The Placement team has been informed to take necessary measures.
6	Student Progression	All applicable documents have undergone verification
7	Activity Conducted / Organized by the Department	An increased number of professional body activities are scheduled for implementation.
8	Achievements	Dynamic activities will be organized through various clubs.

Department takes careful consideration while offering corrections to any remarks made by the IQAC. Every section has been thoroughly reviewed to ensure that it is appropriate, and the supporting documentation is included for your reference.

Thanking You

Yours Truly

Dr.P.Raja

HoD/ECE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SMVEC / Head-CSE /INT / AAA/ 22   15-04-2022

Sir,

Sub: Action taken report for Non-conformances in AAA – Reg.
Ref: SMVEC / IQAC /INT/ AAA/ 2021-22 /01

Action taken report for Non-conformances in AAA, which was held on 10.03.2022. The following sections are Non-conformances and their action plan.

Section No.	Particular	Comments	Action Plan
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS			
5.1	Research grants, Projects completed and on-going from various funding agencies	Need to initiate works related to research	Faculties has initiated research and patent related works
5.3.6	Number of Patent (Filed)	Need to file more patents.	
SECTION – VI: COLLABORATIONS AND LINKAGES			
6.2	Sponsored / Industry Projects	Need to submit documentary evidence on sponsored/ industry projects	Hard copy of the Document is available
SECTION – VII: STUDENT PROGRESSION			
7.2	Higher Studies	Require documentary evidences of students pursuing higher studies	Document will be submitted within a month
SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT			
8.2	FDP /Workshop / STTP / Conference for Faculty	Need to organize minimum 2 programme per year	FDPs are planned in the month of March
SECTION – IX: ACHIEVEMENTS			
9.4	Awards / Prizes and Recognitions received by teachers at University, State, National and International Level	Staff need to apply for awards and other recognitions and document the same	Faculties will be encouraged to apply for Awards.

Yours faithfully .

HOD/CSE
Dr.K.Premkumar

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DEPARTMENT OF INFORMATION TECHNOLOGY

SMVEC/Head-IT/INT/AAA/22   13.04.2022

Sir,

Sub: Action Taken Report for Non-Conformances in AAA - Reg.

Ref: SMVEC / IQAC / INT / AAA/ 2021-22 /01

Action Taken Report for Non-Conformances in AAA, which was held on 10th March 2022.

Section No.	Particular	Comments	Remarks
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS			
5.1	Research grants, Projects completed and on-going from various funding agencies	Need to initiate Research Grant related works in the department	Works initiated to attract Research grants from various agencies
SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT			
8.2	FDP /Workshop / STTP / Conference for Faculty	A minimum of 2 programme per semester to be organized	Programmes were planned for the upcoming semester

Thanking you

Yours Truly

HoD/IT
(Dr.R.Raju)

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DEPARTMENT OF MECHANICAL ENGINEERING

SMVEC/Head-Mechanical/INT/AAA/22   06.04.2022

Sir,

> **Sub:** Action Taken Report for Non-Conformances in AAA – Reg.
>
> **Ref:** SMVEC / IQAC / INT/ AAA / 2021-22 / 01

Action Taken Report for Non-Conformance in AAA, which was held on 14.03.2022.

Section No.	Particular	Comments	Remarks
SECTION – IV : STRUCTURED FEEDBACK			
4.0	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Parents feedback count need to be increased	Conducted parents meeting and collected feedback from parents
SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS			
5.3	Faculty Publications	Publication count need to be increased	Informed to faculties to publish minimum two publication per year
SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT			
8.2	FDP /Workshop / STTP / Conference for Faculty	Organize more FDP/STTP in the department	Applied for ATAL FDP and quotation given to management to conduct internal FDP

Thanking you

Yours faithfully

HoD –Mechanical
(Dr.K.Velmurugan)

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DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

SMVEC/Head-ICE/INT/AAA/22   13.04.2022

Sir,

    Sub: Action Taken Report for Non-Conformances in AAA – Reg.

    Ref: SMVEC / IQAC /INT/ AAA/ 2021-22 /01

Action Taken Report for Non-Conformances in AAA, which was held on 10.03.2022.

Section No.	Particular	Comments	Remarks
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS			
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	Needs more focus on R &D for good research projects and apply for funding and publications in reputed journals.	Sponsored projects of Rs.3,00,000/- was carried out and documented for its execution of same. Will focus Publications and patent within next quarter.
5.3	Faculty Publications		
5.3.6	Number of Patent (Filed)		
5.3.7	Number of Patents Granted		
SECTION – IX: ACHIEVEMENTS			
9.4	Awards / Prizes and Recognitions received by teachers at University, State, National and International Level	Need documentary evidences on receiving of awards /recognition	Documentary evidence will be provided in month the of May 2022.
9.5	Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level	Need documentary evidences on the participation of faculty in various seminars and workshops.	

Thanking you

Yours faithfully

HoD – ICE
(Dr.L.M.Varalakshmi)

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DEPARTMENT OF CIVIL ENGINEERING

SMVEC/Head-Civil/INT/AAA/22   04.04.2022

Sir,

Sub: Action Taken Report for Non-Conformances in AAA – Reg.

Ref: SMVEC / IQAC / INT/ AAA / 2021-22 / 01

Action Taken Report for Non-Conformance in AAA, which was held on 14.03.2022.

Section No.	Particular	Comments	Remarks
SECTION – II : CURRICULAR ASPECTS			
2.5	List of Skill Development Courses offered by the Department	SDC to have course content and to be shown during audit.	Course content for all SDC available in department
SECTION – III: TEACHING, LEARNING AND EVALUATION			
3.3	List of Expert Lectures / Workshop Conducted	Feedback available and its analysis to be made ready for expert lectures /workshop conducted	Feedback received and it is received for all kind of external lectures/workshop organised made available in department
3.8	Student Performance in End Semester Examination	Internal Attainment tests for 1st Year/II Sem to be available for all courses	For all courses attainment level worked and filed for all CAT's and available in course file
SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT			
8.2	FDP /Workshop / STTP / Conference for Faculty	Faculty to organise FDP in the department	Applied for ATAL FDP in AICTE and awaiting for results

Thanking you

Yours faithfully

HoD –Civil
(Dr.S.Sundararaman)

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ART

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
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DEPARTMENT OF MECHATRONICS

SMVEC/Head-Mctr/INT/AAA/22   15.04.2022

Sir,

Sub: Action Taken Report for Non-Conformances in AAA – Reg.

Ref: SMVEC / IQAC / INT/ AAA / 2021-22 / 01

Action Taken Report for Non-Conformance in AAA, which was held on 14.03.2022.

Section No.	Particular	Comments	Remarks
SECTION – VI: COLLABORATIONS AND LINKAGES			
6.2	Sponsored / Industry Projects	Industry and sponsored projects need to be encouraged	Made MoU with industries and contacted non-government agencies for sponsored projects
SECTION – VII: STUDENT PROGRESSION			
7.1	Placements	Not applicable	Students are placed in the fourth coming semester
SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT			
8.2	FDP /Workshop / STTP / Conference for Faculty	Insisted to conduct FDP/Workshop/STTP in the department	Insisted to conduct the FDP minimum one per semester

Thanking you

Yours faithfully

HoD –Mechatronics
(Dr.G.Balamuruga MohanRaj)

DEPARTMENT OF BIOMEDICAL ENGINEERING

SMVEC / Head-BME / INT / AAA / 22   15.4.2022

Action taken report for Non-conformances in AAA

To

The IQAC Coordinator

Sri Manakula Vinayagar Engineering College

Puducherry – 605107

Sir,

Sub : Action Taken Report for Non-Conformances in AAA – Reg.

Ref : SMVEC / IQAC / INT / AAA/ 2021-22 / 01

Section No.	Particular	Comments	Remarks
SECTION –3: TEACHING, LEARNING AND EVALUATION			
3.5	Counseling and Mentoring	Record of counselling and mentoring to be updated and documented.	Counseling and Mentoring forms are updated
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS			
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	Efforts to be made in R&D to publish papers in reputed journals, applying patents and receive funds from external agencies	Efforts taken to convert Student's project to paper and to publish in the reputed journals
5.2	Consultancy Works		
5.3	Faculty Publications		
5.3.1	Number of Publication in National Journals		
5.3.2	Number of Publication in International Journals		
5.3.3	Number of Publication in National Conferences		

5.3.4	Number of Publication in International Conferences		
5.3.5	Number of Books / Book Chapters		
5.3.6	Number of Patent (Filed)		
5.3.7	Number of Patents Granted		

Dr.A.Vijayalakshmi
HOD/BME

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

.SMVEC/Head-AI&DS/INT/AAA/22   15.04.2022

Sir,

Sub: Action Taken Report for Non-Conformances in AAA – Reg.

Ref: SMVEC / IQAC / INT/ AAA / 2021-22 / 01

Action Taken Report for Non-Conformance in AAA, which was held on 14.03.2022.

Section No.	Particular	Comments	Remarks
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS			
5.1	Research grants, Projects completed and on-going from various funding agencies	Need to initiate works related to research	To identify various research funding agencies, start by conducting comprehensive online searches, exploring academic databases, and reviewing government and non-governmental organizations dedicated to research funding as identified and circulated to our faculty members
SECTION – VI: COLLABORATIONS AND LINKAGES			
6.2	Sponsored / Industry Projects	Need to submit documentary evidence on sponsored/ industry projects	With a focused and efficient approach, we anticipate completing this task within the next three months
SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT			
8.2	FDP /Workshop / STTP / Conference for Faculty	Need to organize minimum 2 programme per year	Faculty are requested to conduct FDP, Workshop events in the month of July 2022.
SECTION – IX: ACHIEVEMENTS			
9.4	Awards / Prizes and Recognitions received by teachers at University, State, National and International Level	Staff need to apply for awards and other recognitions and document the same	

Thanking you

Yours faithfully

HoD – AI&DS

(Dr.J.Madhusudanan)

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DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

SMVEC/Head-CSBS/INT/AAA/22   15.03.2022

Sir,

Sub: Action Taken Report for Non-Conformances in AAA – Reg.

Ref: SMVEC / IQAC / INT/ AAA / 2021-22 / 01

Action Taken Report for Non-Conformance in AAA, which was held on 14.03.2022.

Section No.	Particular	Comments	Remarks
SECTION – IX: ACHIEVEMENTS			
9.4	Awards / Prizes and Recognitions received by teachers at University, State, National and International Level	Need documentary evidences on receiving of awards /recognition.	Documentary evidence will be provided in month the of April 2022.

Thanking you

Yours faithfully

HoD –CSBS
(Dr. G. Shanmugasundaram)

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DEPARTMENT OF COMPUTER AND COMMUNICATION ENGINEERING

SMVEC/Head-CCE/INT/AAA/22   13.04.2022

Sir,

Sub: Action taken report for Non-conformances in AAA – Reg.
Ref: SMVEC / IQAC /INT/ AAA/ 2021-22 /01

Action taken report for Non-conformances in AAA, which was held on 11.03.2022. The following section are Non-conformances and their action plan.

S.No	Particular	Comments	Action plan
Section-V: Research, Innovation and Publications			
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	Require more focus and attention in research for receiving funds, publishing books and filing patents.	Publications, Books and Patent will be published in upcoming academic year 2023.
5.2	Consultancy Works		
5.3	Faculty Publications		
5.3.3	Number of Publication in National Conferences		
5.3.5	Number of Books/ Book Chapters		
5.3.7	Number of Patents Granted		
Section-VI: Collaborations and Linkages			
6.2	Sponsored / Industry Projects	Functional MoU's need more attention for more exposure in the industrial requirements	Approached the Industry. To be achieved in upcoming academic year 2023.
6.4	Functional Memorandum of Understanding (MoU)		

Thanking you
Yours faithfully

HOD/CCE
Dr.V.Bharathi

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INTERNAL QUALITY ASSURANCE CELL

Department of Fashion Technology

15-04-2023

Action Tacken report for - NON-CONFORMANCES IN AAA

Section No.	Particular	Remarks	Action Taken
SECTION –2 : CURRICULAR ASPECTS			
2.1	**Academic Plan**		
2.1.2	Faculty Subject Preferences	**Document evidences for preference, allotment of courses to faculty, Certification course Documents need.**	**Internal Circular sent to subject faculty and get the willingness and same subject allotted to the faculty**
2.1.4	Course allotment to the Faculty		
2.6	List of Certification Courses offered by the department		certificate is documented
SECTION – IV : STRUCTURED FEEDBACK			
4.2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	**Parent meeting record and the feedback mechanism to be initiated and action taken report to be maintained**	Student Performance sent to the respective parents. Parents contact /visit the dept. staff once in semester if necessary.
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS			
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	**Research, consultancy, publications of journals, patent filing by faculty members needs to be initiated and require most attention in generating funds.**	**Under process**
5.2	Consultancy Works		
5.3	Faculty Publications		
5.3.1	Number of Publication in National Journals		
5.3.2	Number of Publication in International Journals		
5.3.3	Number of Publication in National Conferences		
5.3.4	Number of Publication in International Conferences		
5.3.5	Number of Books / Book Chapters		
5.3.6	Number of Patent (Filed)		
5.3.7	Number of Patents Granted		
SECTION – VI: COLLABORATIONS AND LINKAGES			
6.2	Sponsored / Industry Projects	**MoU's to be signed for better linkages and**	**Under process**

6.4	Functional Memorandum of Understanding (MoU)	collaboration with industry and they must be functional.	Planning is going on
SECTION – IX: ACHIEVEMENTS			
9.1	Awards and Prizes Received by Students	**Need initiation by faculty and students for active participation in various professional societies and get recognition through tose societies/ bodies.**	**Motivate to student participate to various event**
9.2	Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies		**Instruct to faculty to participate various activity's**
9.3	Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers		**Dr.J.Thanikai Vimal reviewer in various Journals.**
9.4	Awards / Prizes and Recognitions received by teachers at University, State, National and International Level		**Under process**

Thanking you

Yours faithfully

HOD-FT

(Dr.J.Thanikai Vimal)

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SCHOOL OF ARCHITECTURE

SMVEC/Principal-B.Arch.INT/AAA/22   15.04.2022

Sir,

Sub: Action Taken Report for Non-Conformances in AAA – Reg.

Ref: SMVEC / IQAC / INT / AAA / 2021-22 / 01

Action Taken Report for Non-Conformances in AAA, which was held on 11.03.2022.

Section No.	Particular	Comments	Remarks
SECTION – III : TEACHING, LEARNING AND EVALUATION			
3.4	Activities for slow and Advanced Learners	Slow learners needs to be identified and actions taken for them need to be documented.	Slow learners will be identified from the results.
3.5	Counselling and Mentoring	Mentor –Mentee system to be made functional with proper track records.	Mentor –Mentee system will de done with proper track records.
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS			
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	Need to concentrate on publishing research papers in reputed journals and file patents. Documentary evidence essential for receiving funds from external agencies	Publishing research papers in reputed journals and file patents Book and Chapters will be published in the month of April/May 2023.
5.2	Consultancy Works		
5.3	**Faculty Publications**		
5.3.1	Number of Publication in National Journals		
5.3.2	Number of Publication in International Journals		
5.3.3	Number of Publication in National Conferences		
5.3.5	Number of Books / Book Chapters		
5.3.6	Number of Patent (Filed)		
5.3.7	Number of Patents Granted		
SECTION – VI: COLLABORATIONS AND LINKAGES			
6.2	Sponsored / Industry Projects	Industry sponsored projects need to be accelerated and documented.	Sponsored projects of Rs.1,00,000/- was carried out and documented for its execution of same.
6.4	Functional Memorandum	Functional MoU's required	MoU's with Industry and

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		of Understanding (MoU)	for training, placements, internship etc.,	Institution will be Identified
SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT				
8.1	Technical Event / Workshop for Student	Need to conduct at least 2 programme per year	Planned STTP in the month of April/May 2023.	
8.2	FDP /Workshop / STTP / Conference for Faculty			
SECTION – IX: ACHIEVEMENTS				
9.4	Awards / Prizes and Recognitions received by teachers at University, State, National and International Level	Need documentary evidences on receiving of awards / recognition	Documentary evidence will be provided in month the of April/May 2023.	

Thanking you

Yours faithfully

Principal –School of Architecture
(Ar.S.Manoharan)

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SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
(An Autonomous Institution)
(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)
(Accredited by NBA-AICTE, New Delhi, Accredited by NAAC with "A" Grade)
Madagadipet, Puducherry - 605 107

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

SMVEC/Head-MCA/INT/AAA/22   18.08.2022

Sir,

Sub: Action Taken Report for Non-Conformances in AAA – Reg.

Ref: SMVEC / IQAC / INT/ AAA / 2021-22 / 01

Action Taken Report for Non-Conformance in AAA, which was held on 27.07.2022.

Section No.	Particular	Comments	Remarks
SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT			
4.2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Parent meeting record and the feedback mechanism to be initiated and action taken report to be maintained	Parents meeting and feedback also collected, and documents properly maintained in the department
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS			
5.2	Consultancy Works	Require most attention to increase consultancy work for students	Two consultancy work is initiated and properly documents are maintained.
SECTION – VI: COLLABORATIONS AND LINKAGES			
6.4	Functional Memorandum of Understanding (MoU)	Need initiation by faculty to MoU's to be signed for better linkages and collaboration with industry and they must be functional.	Necessary steps taken to get MOU with companies in fourth coming year,

Thanking you

Yours faithfully

HoD –MCA
(Dr.A.Ramalingam)

DEPARTMENT OF MANAGEMENT STUDIES

SMVEC/Head-MBA/01/AAA/22   18.08.2022

Sir,

Sub: Action Taken Report for Non-Conformances in AAA – Reg.

Ref: SMVEC / IQAC / 02/ AAA / 2021-22 / 01

Action Taken Report for Non-Conformances in AAA, which was held on 25.07.2022.

Section No.	Particular	Comments	Remarks
SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS			
5.1	Research Grants	Emphasize R&D on impactful projects while actively pursuing funding, consultancy, and publications in books and conferences.	Recognizing a lack of publications, proactive steps were taken. This involved promoting a research culture among faculty, encouraging submissions to national and international outlets, and fostering collaborations for joint research projects with peers and institutions.
5.2	Consultancy Works		
5.3	Publication		
	National and International Journals and Conferences		
	Books/Book Chapters		
SECTION – VI: COLLABORATIONS AND LINKAGES			
6.2	Sponsored / Industry Projects	No data is currently available.	We are consistently pursuing and securing sponsored projects, actively monitoring opportunities, and fostering connections with potential partners. Currently, there are no reported issues or challenges
SECTION – VII: STUDENT PROGRESSION			
7.1	Placements	No data is currently available.	Entering the third semester, we are commencing the placement process. Considering we are midway through the academic year, the current juncture offers limited possibilities for pursuing higher studies or venturing into entrepreneurial activities.
7.2	Higher Studies		
7.3	Entrepreneur		

Thanking you

Yours faithfully

HoD –MBA
(Dr.N.S.N. Cailassame)

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Sri Manakula Vinayagar
Engineering College
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Puducherry – 605 107