



**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**



**INTERNAL QUALITY ASSURANCE CELL**



**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 REPORT**

## **INTERNAL AUDIT**

**ACADEMIC YEAR 2022-2023**

**DATE: 19.01.2023 AND 20.01.2023**





## SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

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Puducherry - 605107



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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 03.01.2023. Internal expert members from various departments participated in conducting this audit and was conducted on 19.01.2023 and 20.01.2023.

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.AA.Arivalagar)

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





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SMVEC/IQAC/ 01 /CIRCULAR/22

Date: 03.01.2023

### CIRCULAR

This is to inform that IQAC plan to conduct an Internal Academic and Administrative Audit (AAA) for the academic year 2022-23 (odd semester) on 19<sup>th</sup> January and 20<sup>th</sup> January 2023. 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 17.01.23. 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. Arivalagar.AA)  
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/23/01

05.01.2023

**Note**

**Submitted**

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

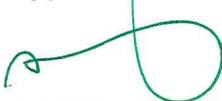
With reference to the above subject it is planned to conduct the internal Academic and Administrative Audit on 19.01.2023 and 20.01.2023 for the Academic Year 2022-2023 (Odd Semester). The following internal expert members are nominated to conduct the Audit in the respective departments.

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

  
(Dr. Arivalagar AA)

IQAC Coordinator

For Approval

  
(Dr. V.S.K. Venkatachalam)

Director cum Principal





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## INTERNAL QUALITY ASSURANCE CELL

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**ACADEMIC AND ADMINISTRATIVE AUDIT**

**DEPARTMENT OF**

**ELECTRICAL AND ELECTRONICS ENGINEERING**





**ACADEMIC AND ADMINISTRATIVE AUDIT**

(Academic Year 2022-2023)

Internal Audit

**SECTION –1: BASIC INFORMATION**

Audit Date	19.01.2023																					
Name of the Department	<b>ELECTRICAL AND ELECTRONICS ENGINEERING</b>																					
Year of Establishment	1999																					
Programs Offered	Name of the Program Electrical and Electronics Engineering M. Tech (Power Electronics and Drives)	Approved Intake 120 -																				
Head of the Department	Dr. S. Anbumalar, M.E., Ph.D																					
Number of full time Teachers	Professor Associate Professor Assistant Professor	4 6 30																				
Number of Technical Staff	06																					
Number of Students	For B. Tech: <table border="1"><tr><th>Year</th><th>Strength</th></tr><tr><td>First Year</td><td>-</td></tr><tr><td>Second Year</td><td>88</td></tr><tr><td>Third Year</td><td>124</td></tr><tr><td>Fourth Year</td><td>118</td></tr><tr><td><b>Total</b></td><td><b>330</b></td></tr></table> For M. Tech <table border="1"><tr><th>Year</th><th>Strength</th></tr><tr><td>First Year</td><td>-</td></tr><tr><td>Second Year</td><td>01</td></tr><tr><td><b>Total</b></td><td><b>01</b></td></tr></table>	Year	Strength	First Year	-	Second Year	88	Third Year	124	Fourth Year	118	<b>Total</b>	<b>330</b>	Year	Strength	First Year	-	Second Year	01	<b>Total</b>	<b>01</b>	
Year	Strength																					
First Year	-																					
Second Year	88																					
Third Year	124																					
Fourth Year	118																					
<b>Total</b>	<b>330</b>																					
Year	Strength																					
First Year	-																					
Second Year	01																					
<b>Total</b>	<b>01</b>																					
Faculty Student Ratio	1:14	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	➤ Measurement And Instrumentation For Electrical Engineering	II/IV
2.	Dr. P. Jamuna	Scrutinizer	➤ Digital Electronics ➤ Project Phase I	I/II IV/VII
3.	Dr. M. Susithra	Scrutinizer	➤ Comprehensive Viva ➤ Programming In C Lab	IV/VII I/I

4.	Dr. D. Raja	Scrutinizer Subject Expert member	➤ Power Electronics ➤ Project Phase I	III/V IV/VII
5.	Dr. S. Ganesh Kumaran	Scrutinizer , Subject Expert member	➤ PE –I :Energy Storage Technology ➤ Industrial Automation And Control	II/IV IV/VII
6.	Dr. M. Prabavathi	Subject Expert member	➤ Programming In C ➤ Power Plant Engineering	I/I II/III
7.	Dr. K. Gowrisankar	Subject Expert member	➤ Electric Circuit Analysis ➤ Industrial Automation And Control ➤ Industrial Automation And Control Lab	I/II IV/VII IV/VII
8.	Dr. C. Kalaivani	Subject Expert member	➤ Power Electronics ➤ Electronics Lab I	III/V I/I
9.	Dr. D. Sivaraj	Subject Expert member	➤ Power Electronics And Drives Lab ➤ Electric And Hybrid Vehicle	III/V IV/VIII
10.	Dr. S.Vijayasamundiswary	Subject Expert member	➤ Professional Elective – IV Distributed Generation And Microgrids ➤ Electrical Machines II	IV/VII II/III
11.	Mr. N. Jaiganesh	Subject Expert member	➤ Electrical Engineering ➤ Electrical Engineering Lab	I/I I/I
12.	Mr. B. Parthiban	Subject Expert member	➤ Industrial Automation And Control Lab ➤ Transmission And Distribution	IV/VII III/V
13.	Mr. S. Johnpowl	Subject Expert member	➤ Electronic Devices ➤ Electronics Lab I	I/I I/I
14.	Mr. A. Janagiraman.	Subject Expert member	➤ Numerical Methods And Optimization Lab ➤ Professional Elective V:Power System Economics	III/V IV/VIII
15.	Mr. K. Thangaraj	Scrutinizer, Subject Expert member	➤ Microprocessor And Microcontroller ➤ Electrical Machines Lab II	II/IV II/III
16.	Mr. D. Durairaj	Subject Expert member	➤ Numerical Methods And Optimization Lab ➤ Digital Electronics	III/V I/II
17.	Mr. J. Muruganandham	Subject Expert member	➤ Programming In C ➤ Programming In JAVA	I/I II/IV
18.	Mrs. B. Mahalakshmi	Subject Expert member	➤ Programming In JAVA ➤ Programming In JAVA Lab	II/IV II/IV
19.	Mr. V. Malarselvam	Subject Expert member	➤ Programming In C Lab ➤ Programming In Java Lab	I/I II/IV
20.	Mr. K. Arun	Subject Expert member	➤ Electric Circuit Analysis Lab ➤ PE I: Electrical Safety Engineering	II/IV II/IV
21.	Mr. C. Adrien Perianayagam	Scrutinizer, Subject Expert member	➤ Linear Integrated Circuits	II/III
22.	Mrs. T. Saranya	Subject Expert member	➤ Microprocessor And Microcontroller ➤ Measurement And Instrumentation Lab	II/IV II/IV
23.	Ms. N. Swarnalakshmi	Subject Expert member	➤ Professional Elective V:Soft Computing Techniques	IV/VIII
24.	Ms. F. Avila Priya	Subject Expert member	➤ Protection And Switchgear ➤ Microcontroller And Its Application Lab	IV/VIII II/IV
25.	Mr. R. Ragupathy	Subject Expert member	➤ Electric And Hybrid Vehicle ➤ Electric And Hybrid Vehicle Lab	IV/VII IV/VII
26.	Mr. A. Narendran	Subject Expert member	➤ Professional Elective – II :Utilization Of Electrical Energy ➤ Professional Elective IV: Power Electronics For Renewable Energy Systems	III/V IV/VII
27.	Mr. R. Rajtilak	Subject Expert member	➤ Data Structures ➤ Electric And Hybrid Vehicle Lab	II/III IV/VII
28.	Mr. V. Janakiraman	Subject Expert member	➤ Transmission And Distribution ➤ Control Systems	III/V III/V
29.	Mrs. Y. Bosky	Subject Expert member	➤ Electric And Hybrid Vehicle Lab ➤ Electronics Lab II	IV/VII I/II

30.	Mr. K. Manikanda Prabhu	Subject Expert member	➤ Control Systems ➤ Linear Integrated Circuits Lab	III/V II/III
31.	Mrs. G. Kalpana	Subject Expert member	➤ Measurement And Instrumentation For Electrical Engineering	II/IV
32.	Mr. I. Shivasankkar	Subject Expert member	➤ Control Systems ➤ Control Systems Lab	III/V III/V
33.	Mr. R. Nakkeeran	Subject Expert member	➤ Electrical Machine I ➤ Electrical Machine Lab –I	I/II I/II
34.	Ms. R. Aarthi	Subject Expert member	➤ Electronics Circuits ➤ Electronics Lab II ➤ Electric Circuit Analysis Lab	I/II I/II I/II
35.	Mr. S. Ashok Kumar	Subject Expert member	➤ Professional Elective – VI : EHV AC And DC Transmission ➤ Electronic Circuits	IV/VIII I/II
36.	Mr. M. Arul Kumar	Subject Expert member	➤ Electronic Devices ➤ Professional Elective – II :Automotive Electronics For Electrical Engineering	I/I III/V
37.	Mr. K. Kannan	Subject Expert member	➤ Data Structures Lab ➤ Electrical Engineering lab ➤ Digital Electronics	II/III I/I I/II
38.	Mrs. S. Uma Mageswari	Subject Expert member	➤ Electrical Engineering ➤ Electrical Engineering Lab	I/I I/I
39.	Mr. U. Surendra Kumaran	Subject Expert member	➤ Numerical Methods And Optimization Lab ➤ Electromagnetic Theory	III/V II/III
40.	Ms. V. Vijayasanthi	Subject Expert member	➤ Professional Elective – VI : Robotics And Control ➤ Protection And Switchgear	IV/VIII IV/VIII

### 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.	IV/VII	Distributed Generation and Microgrids	U19EEE72	66
2.	IV/VII	Power Electronics for Renewable Energy Systems	U19EEE73	52
3.	II/IV	Electrical Safety Engineering	U20EEE401	68
4.	II/IV	Energy Storage Technology	U20EEE405	56
5.	IV/VIII	Power System Economics	U19EEE80	61
6.	IV/VIII	Soft Computing Techniques	U19EEE83	57
7.	IV/VIII	EHV AC and DC transmission	U19EEE86	56
8.	IV/VIII	Robotics and Control	U19EEE89	62
9.	III/V	Utilization of Electrical Energy	U20EEE506	69
10.	III/V	Automotive Electronics for Electrical Engineering	U20EEE509	55

### 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.	IV/VII	ECE	IOT and its Applications	U19ECO75	60
2.	IV/VII	AI&DS	Artificial Intelligence Applications	U19AD074	58
3.	II/IV	ECE	Engineering Computation with MATLAB	U20ECO401	61
4.	II/IV	CSE	Web Development	U20CSO401	63
5.	III/V	MBA	Product Development and Design	U20HSO501	124

## 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/IV	Skill Development Course 3: Autonomous Robotics	U20EES403	124
2.	I/II	Skill Development Course 1: Demonstration of Basic Engineering Science	U20EES201	88
3.	IV/VIII	Skill Development Course 10: NPTEL / MOOC -II	U19EES81	118
4.	III/V	Skill Development Course 5:Presentation Skill using ICT	U20EES505	124
5.	III/V	Skill Development Course 4: Foreign Language / IELTS – I / Professional and Career Development Program	U20EES504	124
6.	II/III	Skill Development Course 2: Demonstration / Troubleshooting of Electrical and Electronics Equipment	U20EES302	88

## 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/VI	Artificial Intelligence and Edge Computing	U19EEC66	118
2	II/IV	Java Programming	U20EEC460	124
3	I/II	Python Programming	U20EEC274	79
4	II/III	Solar And Smart Energy System With IOT	U20EEC381	88

## 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	NSS / NCC	U20EEM404	124
2.	I/II	Environmental Science	U20EEM202	79
3.	III/V	Indian Constitution	U20EEM505	124
4.	II/III	Physical Education	U20EEM303	88
5.	I/I	Induction Program	U20EEM101	102

## SECTION – 3: TEACHING, LEARNING AND EVALUATION

### 3.1 Course Delivery

<b>June 2022 – October 2022(ODD SEM)</b>						
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
<b>Batch: 2019 – 2023 : IV/VII/A</b>						
1	Industrial Automation and Control	U19EET71	Dr. S. Ganesh Kumaran	45	45	45
2	Electric and Hybrid Vehicle	U19EET72	Mr. R. Ragupathy	45	45	45
3	Professional Elective - IV Distributed Generation and Microgrids	U19EEE72	Dr. S. Vijayasamundiswary	45	45	45
4	Professional Elective - IV Power Electronics for Renewable Energy Systems	U19EEE73	Dr. D. Raja	45	45	45
5	Open Elective – IV IOT and its Applications	U19ECO75	Mr. M. Rajaparthiban	45	45	45
6	Open Elective – IV Artificial Intelligence Applications	U19ADO74	Ms. Geetha Lakshmi	45	45	45

7	Business Basics for Entrepreneur	U19EEP71	Mr. S. Santhosh	30	30	30
8	Industrial Automation and Control Lab	U19EEP72	Mr. B. Parthiban	30	30	30
9	Electric and Hybrid Vehicle Lab	U19EEP73	Mr. R. Ragupathy Mrs. Y. Bosky	30	30	30
10	Project Phase – I	U19EEW71	Dr. P. Jamuna Mr. C. Adrien Periyanayagam	60	60	60

**Batch: 2019 – 2023 : IV/VII/B**

11	Industrial Automation and Control	U19EET71	Dr. K. Gowrisankar	45	45	45
12	Electric and Hybrid Vehicle	U19EET72	Dr. D. Sivaraj	45	45	45
13	Professional Elective - IV Distributed Generation and Microgrids	U19EEE72	Dr. S. Vijayasamundiswary	45	45	45
14	Professional Elective - IV Power Electronics for Renewable Energy Systems	U19EEE73	Mr. A. Narendran	45	45	45
15	Open Elective – IV IOT and its Applications	U19ECO75	Mr. M. Rajaparthiban	45	45	45
16	Open Elective – IV Artificial Intelligence Applications	U19ADO74	Ms. Geetha Lakshmi	45	45	45
17	Business Basics for Entrepreneur	U19EEP71	Mr. S. Santhosh	30	30	30
18	Industrial Automation and Control Lab	U19EEP72	Dr. K. Gowrisankar	30	30	30
19	Electric and Hybrid Vehicle Lab	U19EEP73	Mr. R. Rajtilak	30	30	30
20	Project Phase – I	U19EEW71	Dr. D. Raja	60	60	60

**Batch: 2020 – 2024 : II/IV/A**

21	Probability and Statistics	U20BST430	Mrs. R. Chandra Prabhu	60	60	60
22	Programming in JAVA	U20EST467	Mr. J. Muruganantham	60	60	60
23	Measurements and Instrumentation for Electrical Engineering	U20EET411	Dr. S. Anbumalar	45	45	45
24	Microprocessor and Microcontroller	U20EET412	Mr. C. Adrien Perianayagam	45	45	45
25	Professional Elective - I Electrical Safety Engineering	U20EEE401	Mr. K. Arun	45	45	45
26	Professional Elective - I Energy Storage Technology	U20EEE405	Dr. S. Ganesh Kumaran	45	45	45
27	Open Elective – I: Engineering Computation with MATLAB	U20ECO401	Mr. R. Kalaiarasan	45	45	45
28	Open Elective – I Web Development	U20CSO401	Mrs. Deeba	45	45	45
29	General Proficiency - II	U20HSP402	Mrs. G. Namitha	30	30	30
30	Programming in JAVA Lab	U20ESP468	Mr. V. Malarselvam	30	30	30
31	Measurements and Instrumentation Lab	U20EEP408	Mrs. T. Saranya	30	30	30
32	Microcontroller and its applications Lab	U20EEP409	Mrs. Y. Bosky	30	30	30

**Batch: 2020 – 2024 : II/IV/B**

33	Probability and Statistics	U20BST430	Mrs. R. Chandra Prabhu	60	60	60
34	Programming in JAVA	U20EST467	Mrs. B. Mahalakshmi	60	60	60
35	Measurements and Instrumentation for Electrical Engineering	U20EET411	Mrs. G. Kalpana.	45	45	45
36	Microprocessor and Microcontroller	U20EET412	Mr. K. Thangaraj	45	45	45
37	Professional Elective - I Electrical Safety Engineering	U20EEE401	Mr. K. Arun	45	45	45
38	Professional Elective - I Energy Storage Technology	U20EEE405	Dr. S. Ganesh Kumaran	45	45	45

39	Open Elective – I: Engineering Computation with MATLAB	U20ECO401	Mr. R. Kalaiarasan	45	45	45
40	Open Elective – I Web Development	U20CSO401	Mrs. Deeba	45	45	45
41	General Proficiency - II	U20HSP402	Mrs. G. Namitha	30	30	30
42	Programming in JAVA Lab	U20ESP468	Mrs. B. Mahalakshmi	30	30	30
43	Measurements and Instrumentation Lab	U20EEP408	Mr. C. Adrien Perianayagam	30	30	30
44	Microcontroller and its applications Lab	U20EEP409	Ms. F. Avila Priya	30	30	30

June 2022 – October 2022(EVEN SEM)

Batch: 2021 – 2025 : I/II/A

45	Engineering Mathematics-II: Multiple Integrals and Transforms	U20BST215	Mrs. R. Chandra Prabhu	60	60	60
46	Basic Engineering Science for Electrical Engineering	U20EST238	Mr. K. Oudhayakumar	45	45	45
47	Electric Circuit Analysis	U20EET203	Dr. K. Gowrisankar	60	60	60
48	Electrical Machines-I	U20EET204	Mr. R. Nakkeeran	45	45	45
49	Electronic Circuits	U20EET205	Ms. R. Aarthi	45	45	45
50	Digital Electronics	U20EET206	Dr. P. Jamuna	45	45	45
51	Electric Circuit Analysis Lab	U20EEP203	Mr. K. Arun	30	30	30
52	Electrical Machines Lab- I	U20EEP204	Mr. R. Nakkeeran Mrs. S. Uma Mageswari	30	30	30
53	Electronics Lab – II	U20EEP205	Ms. R. Aarthi	30	30	30

December 2022 – April 2023(EVEN SEM)

Batch: 2019 – 2023 : IV/VIII/A

54	Protection and Switchgear	U19EET81	Ms. F. Avila Priya	45	45	45
55	Professional Elective V: Power System Economics	U19EEE80	Mr. A. Janagiraman	45	45	45
56	Professional Elective V: Soft Computing Techniques	U19EEE83	Ms. N. Swarnalakshmi	45	45	45
57	Professional Elective VI: EHV AC and DC transmission	U19EEE86	Mr. S. Ashok Kumar	45	45	45
58	Professional Elective VI: Robotics and Control	U19EEE89	Ms. V. Vijayasanthi	45	45	45
59	Entrepreneurship Management	U19EEP81	Mr. Chandramohan	30	30	30
60	Comprehensive Viva	U19EEP82	Dr. M. Susithra	30	30	30
61	Project phase – II	U19EEW81	Dr. P. Jamuna Mr. C. Adrien Perianayagam	240	240	240

Batch: 2019 – 2023 : IV/VIII/B

62	Protection and Switchgear	U19EET81	Ms. V. Vijayasanthi	45	45	45
63	Professional Elective V: Power System Economics	U19EEE80	Mr. A. Janagiraman	45	45	45
64	Professional Elective V: Soft Computing Techniques	U19EEE83	Ms. N. Swarnalakshmi	45	45	45
65	Professional Elective VI: EHV AC and DC transmission	U19EEE86	Mr. S. Ashok Kumar	45	45	45
66	Professional Elective VI: Robotics and Control	U19EEE89	Ms. V. Vijayasanthi	45	45	45
67	Entrepreneurship Management	U19EEP81	Mr. Chandramohan	30	30	30
68	Comprehensive Viva	U19EEP82	Dr. P. Jamuna	30	30	30
69	Project phase – II	U19EEW81	Dr. D. Raja Mr. K. Thangaraj	240	240	240

Batch: 2020 – 2024 : III/V/A

70	Numerical Methods and Optimization	U20BST542	Mrs. R. Chandraprabha	60	60	60
71	Power Electronics	U20EET513	Dr. C. Kalaivani	45	45	45
72	Control Systems	U20EET514	Mr. V. Janakiraman	60	60	60
73	Transmission and Distribution	U20EET515	Mr. B. Parthiban	45	45	45
74	Professional Elective III: Utilization of Electrical Energy	U20EEE506	Mr. A. Narendran	45	45	45

75	Professional Elective III: Automotive Electronics for Electrical Engineering	U20EEE509	Mr. M. Arul Kumar	45	45	45
76	Open Elective: Product Development and Design	U20HSO501	Mr. Santhosh	45	45	45
77	Numerical Methods and Optimization Lab	U20BSP543	Mr. A. Janagiraman, Mr. U. Surendrakumaran Ms. Uma Mageswari	30	30	30
78	Power Electronics and Drives Lab	U20EEP510	Dr. D. Sivaraj	30	30	30
79	Control Systems Lab	U20EEP511	Mrs. G. Kalpana	30	30	30

**Batch: 2020 – 2024 : III/V/B**

80	Numerical Methods and Optimization	U20BST542	Mrs. R. Chandraprabha	60	60	60
81	Power Electronics	U20EET513	Dr. D. Raja	45	45	45
82	Control Systems	U20EET514	Mr. K. Manikanda Prabhu Mr. I. Shivasankkar	60	60	60
83	Transmission and Distribution	U20EET515	Mr. V. Janakiraman	45	45	45
84	Professional Elective III: Utilization of Electrical Energy	U20EEE506	Mr. A. Narendran	45	45	45
85	Professional Elective III: Automotive Electronics for Electrical Engineering	U20EEE509	Mr. M. Arul Kumar	45	45	45
86	Open Elective: Product Development and Design	U20HSO501	Mrs. Deepa	45	45	45
87	Numerical Methods and Optimization Lab	U20BSP543	Mr. D. Durairaj, Mr. V. Janagiraman	30	30	30
88	Power Electronics and Drives Lab	U20EEP510	Dr. D. Sivaraj	30	30	30
89	Control Systems Lab	U20EEP511	Mr. I. Shivasankkar	30	30	30

**Batch: 2021 – 2025 : II/III/A**

90	Complex Analysis and Applications of Partial Differential Equations	U20BST320	Mrs. T. Kalaiselvi	60	60	60
91	Data Structures	U20EST356	Mr. R. Rajtilak	45	45	45
92	Electrical Machines – II	U20EET307	Dr. S. Vijayasamundiswary	45	45	45
93	Linear Integrated Circuits	U20EET308	Mr. C. Adrien Perianayagam	45	45	45
94	Electromagnetic Theory	U20EET309	Mr. U. Surendra Kumaran	45	45	45
95	Power Plant Engineering	U20EET310	Dr. M. Prabavathi	45	45	45
96	General Proficiency - I	U20HSP301	Ms. R. Gajalakshmi	30	30	30
97	Data Structures Lab	U20ESP357	Mr. K. Kannan	30	30	30
98	Electrical Machines Lab- II	U20EEP306	Mr. K. Thangaraj	30	30	30
99	Linear Integrated Circuits Lab	U20EEP307	Mr. K. Manikanda Prabhu	30	30	30

**Batch: 2022 – 2026 : I/I/A**

100	Engineering Mathematics – I Calculus and Linear Algebra	U20BST101	Mrs. U. Chitra	60	60	60
101	Programming in C	U20EST101	Dr. M. Prabavathi	45	45	45
102	Engineering Mechanics	U20EST119	Dr. M. Elangovan	60	60	60
103	Electrical Engineering	U20EET101	Mr. D. Durairaj	45	45	45
104	Electronic Devices	U20EET102	Mr. S. Johnpowl	45	45	45
105	Programming in C Lab	U20ESP102	Dr. M. Susithra	30	30	30
106	Electrical Engineering Lab	U20EEP101	Mr. K. Kannan	30	30	30
107	Electronics Lab - I	U20EEP102	Mr. S. Johnpowl	30	30	30

**Batch: 2022 – 2026 : I/I/B**

108	Engineering Mathematics – I Calculus and Linear Algebra	U20BST101	Mrs. U. Chitra	60	60	60
109	Programming in C	U20EST101	Mr. J. Muruganandham	45	45	45
110	Engineering Mechanics	U20EST119	Dr. M. Elangovan	60	60	60
111	Electrical Engineering	U20EET101	Mr. N. Jaiganesh	45	45	45

112	Electronic Devices	U20EET102	Mr. M. Arul Kumar	45	45	45
113	Programming in C Lab	U20ESP102	Mr. V. Malarselvam	30	30	30
114	Electrical Engineering Lab	U20EEP101	Mr. N. Jaiganesh	30	30	30
115	Electronics Lab - I	U20EEP102	Dr. C. Kalaivani	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	Measurement And Instrumentation For Electrical Engineering	II/IV	2020 – 2024	PPT/Animation Videos/Real time models
2	Dr. P. Jamuna	Digital Electronics	I/II	2021 – 2025	PPT/Animation Videos
		Project Phase I	IV/VII	2019 – 2023	
3	Dr. M. Susithra	Comprehensive Viva	IV/VII	2019 – 2023	PPT/Animation Videos
		Programming In C Lab	I/I	2022 – 2026	
4	Dr. D. Raja	Power Electronics	III/V	2020 – 2024	PPT/Animation Videos
		Project Phase I	IV/VII	2019 – 2023	
5	Dr. S. Ganesh Kumaran	PE –I :Energy Storage Technology	II/IV	2020 – 2024	PPT/Animation Videos/Real time models
		Industrial Automation And Control	IV/VII	2019 – 2023	
6	Dr. M. Prabavathi	Programming In C	I/I	2022 – 2026	PPT/Animation Videos
		Power Plant Engineering	II/III	2021 – 2025	
7	Dr. K. Gowrisankar	Electric Circuit Analysis	I/II	2021 – 2025	PPT/Animation Videos/ Virtual labs
		Industrial Automation And Control	IV/VII	2019 – 2023	
		Industrial Automation And Control Lab	IV/VII	2019 – 2023	
8	Dr. C. Kalaivani	Power Electronics	III/V	2020 – 2024	PPT/Animation Videos/Analogy
		Electronics Lab I	I/I	2022 – 2026	
9	Dr. D. Sivaraj	Power Electronics And Drives Lab	III/V	2020 – 2024	PPT/Animation Videos/ Virtual labs
		Electric And Hybrid Vehicle	IV/VIII	2019 – 2023	
10	Dr. S. Vijayasamundiswary	Professional Elective – IV Distributed Generation And Microgrids	IV/VII	2019 – 2023	PPT/Animation Videos
		Electrical Machines II	II/III	2021 – 2025	
11	Mr. N. Jaiganesh	Electrical Engineering	I/I	2022 – 2026	PPT/Animation Videos/ Virtual labs
		Electrical Engineering Lab	I/I	2022 – 2026	
12	Mr. B. Parthiban	Industrial Automation And Control Lab	IV/VII	2019 – 2023	PPT/Animation Videos/ Virtual labs
		Transmission And Distribution	III/V	2020 – 2024	
13	Mr. S. Johnpowl	Electronic Devices	I/I	2022 – 2026	PPT/Animation Videos/ Virtual labs
		Electronics Lab I	I/I	2022 – 2026	
14	Mr. A. Janagiraman	Numerical Methods And Optimization Lab	III/V	2020 – 2024	PPT/Animation Videos/ Virtual labs
		Professional Elective V:Power System Economics	IV/VIII	2019 – 2023	
15	Mr. K. Thangaraj	Microprocessor And Microcontroller	II/IV	2020 – 2024	PPT/Animation Videos/ Virtual labs/ Proteus simulation tools
		Electrical Machines Lab II	II/III	2021 – 2025	
16	Mr. D. Durairaj	Numerical Methods And Optimization Lab	III/V	2020 – 2024	PPT/Animation Videos
		Digital Electronics	I/I	2022 – 2026	
17	Mr. J. Muruganandham	Programming In C	I/I	2022 – 2026	PPT/Real time program executions
		Programming In JAVA	II/IV	2021 – 2025	
18	Mrs. B. Mahalakshmi	Programming In JAVA	II/IV	2021 – 2025	PPT/Real time program executions
		Programming In JAVA Lab	II/IV	2021 – 2025	
19	Mr. V. Malarselvam	Programming In C Lab	I/I	2022 – 2026	PPT/Animation

		Programming In Java Lab	II/IV	2021 – 2025	Videos/ Virtual labs
20	Mr. K. Arun	Electric Circuit Analysis Lab	II/IV	2021 – 2025	PPT/Animation Videos/3D models
		PE I: Electrical Safety Engineering	II/IV	2020 – 2024	
21	Mr. C. Adrien Perianayagam	Linear Integrated Circuits	II/III	2021 – 2025	PPT/Animation Videos/ Virtual labs
22	Mrs. T. Saranya	Microprocessor And Microcontroller	II/IV	2020 – 2024	PPT/Animation Videos/ Virtual labs
		Measurement And Instrumentation Lab	II/IV	2020 – 2024	
23	Ms. N. Swarnalakshmi	Professional Elective V:Soft Computing Techniques	IV/VIII	2019 – 2023	PPT/Animation Videos/ Virtual labs
24	Ms. F. Avila Priya	Protection And Switchgear	IV/VIII	2019 – 2023	PPT/Animation Videos
		Microcontroller And Its Application Lab	II/IV	2020 – 2024	
25	Mr. R. Ragupathy	Electric And Hybrid Vehicle	IV/VII	2019 – 2023	PPT/Animation Videos/ Virtual labs
		Electric And Hybrid Vehicle Lab	IV/VII	2019 – 2023	
26	Mr. A. Narendran	Professional Elective – II :Utilization Of Electrical Energy	III/V	2020 – 2024	PPT/Animation Videos
		Professional Elective IV: Power Electronics For Renewable Energy Systems	IV/VII	2019 – 2023	
27	Mr. R. Rajtilak	Data Structures	II/III	2021 – 2025	Animation Videos/ Virtual labs
		Electric And Hybrid Vehicle Lab	IV/VII	2019 – 2023	
28	Mr. V. Janakiraman	Transmission And Distribution	III/V	2020 – 2024	PPT/Animation Videos/ Virtual labs
		Control Systems	III/V	2020 – 2024	
29	Mrs. Y. Bosky	Electric And Hybrid Vehicle Lab	II/IV	2020 – 2024	PPT/Animation Videos/Real time models
		Electronics Lab II	IV/VII	2019 – 2023	
30	Mr. K. Manikanda Prabhu	Control Systems	III/V	2020 – 2024	PPT/Animation Videos/ Virtual labs
		Linear Integrated Circuits Lab	II/III	2021 – 2025	
31	Mrs. G. Kalpana	Measurement And Instrumentation For Electrical Engineering	II/IV	2020 – 2024	PPT/Animation Videos/ Virtual labs
32	Mr. I. Shivasankkar	Control Systems	III/V	2020 – 2024	PPT/Animation Videos/ Virtual labs
		Control Systems Lab	III/V	2020 – 2024	
33	Mr. R. Nakkeeran	Electrical Machine I	I/II	2021 – 2025	PPT/Animation Videos
		Electrical Machine Lab –I	I/II	2021 – 2025	
34	Ms. R. Aarthi	Electronics Circuits	I/II	2021 – 2025	PPT/Animation Videos
		Electronics Lab II	I/II	2021 – 2025	
		Electric Circuit Analysis Lab	I/II	2022 – 2026	
35	Mr. S. Ashok Kumar	Professional Elective – VI : EHV AC And DC Transmission	IV/VIII	2019 – 2023	PPT/Animation Videos/ Virtual labs
		Electronic Circuits	I/II	2021 – 2025	
36	Mr. M. Arul Kumar	Electronic Devices	I/I	2022 – 2026	PPT/Animation Videos/ Virtual labs
		Professional Elective – II :Automotive Electronics For Electrical Engineering	III/V	2020 – 2024	
37	Mr. K. Kannan	Data Structures Lab	II/III	2021 – 2025	PPT/Animation Videos/ Virtual labs
		Electrical Engineering lab	I/I	2022 – 2026	
		Digital Electronics	I/II	2022 – 2026	
38	Mrs. S. Uma Mageswari	Electrical Engineering	I/I	2022 – 2026	PPT/Animation Videos
		Electrical Engineering Lab	I/I	2022 – 2026	
39	Mr. U. Surendra Kumaran	Numerical Methods And Optimization Lab	III/V	2020 – 2024	PPT/Animation Videos
		Electromagnetic Theory	II/III	2021 – 2025	
40	Ms. V. Vijayasanthi	Professional Elective – VI : Robotics And Control	IV/VIII	2019 – 2023	PPT/Animation Videos
		Protection And Switchgear	IV/VIII	2019 – 2023	

### 3.3 List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1	Electric vehicle technology	Dr.V.Kandasamy Associate Professor, Department of EEE, Kumaraguru college of technology, Coimbatore - 641049	14.07.2022 11.00 AM – 12.30 PM	IV/VII/A&B
2	Ship electrical power system	Dr.Shashidhar Kasthala, Associate Professor, HOD ( Electrical Power System) Indian Naval Academy (Ministry of Defense) Ezhimala, Kerala - 670310	14.07.2022 03.00PM – 04.30 PM	IV/VII/A&B
3	History and recent trends on microcontroller	Mr.S.Selvakumar, Validation Engineer Qualcomm Pvt Ltd, Bangalore	05.08.2023 11.00 AM – 12.30 PM	II/IV/A&B
4	Electrical safety and Area classification	Mr.Kanagasabai Kumarasamy, Fawaz Trading & Engineering services Co, W.L.L, Kuwait	12.08.2022 10.30 AM – 12.30 PM	II/IV/A&B
5	Software Development Hiring Trends	Mr. S. Sri Balaji, Associate Engineer, Harman International, Bengaluru. Mobile: 8124608820	29.10.2022 / 11.00 AM – 12.30 PM	I / I / A
6	Software Development Hiring Trends	Mr. K. Manibharathy, Associate Engineer, Zoho Corp, Chennai. Mobile: 6385 919 534	29.10.2022 / 11.15 AM – 01.00 PM	I / I / B
7	How to be successful at Entrepreneur	Mr. P. Megavarman, Entrepreneur, Magronic Contrivance Pvt. Ltd, Puducherry. Mobile: 9944517026	14.11.2022 / 11.00 AM – 12.30 PM	II / III / A
8	Industrial Automation	Mr.S. Raja, Product Development Engineer, Silicon Systems, Coimbatore	21.11.2022 / 03.00 – 04.30 PM	III / V / A&B
9	Career Opportunities in Software Industry	Ms. N. Karpagam, Assistant System Engineer, Tata Consultancy Services, Chennai. Mobile: 9952131522	24.11.2022 / 01.00 PM – 02.00 PM	I / I / A & B
10	User Experience Design field in IT Sector	Mr. R. Balaji, Senior UX/ UI Design Engineer Aspire Systems, Chennai Mobile: 88700 81180 Mr. G. Praveen, Full Stack Developer and UX/UI Designer Tata Consultancy Services, Chennai Mobile: 9489110032	26.11.2022 / 9.30 AM – 11.45 AM	II / III / A
11	Java Career Opportunities	Ms. S. Indhuja, Assistant Trainee, Tata Consultancy Services, Chennai. Mobile: 9791572986	26.11.2022 / 01.30 PM – 02.30 PM	III / V / B
12	Java Career Opportunities	Ms. S. Indhuja, Assistant Trainee, Tata Consultancy Services, Chennai. Mobile: 9791572986	26.11.2022 / 03.00 PM – 04.00 PM	III / V / A
13	How to Get a Job Through Linkedin	Mr.Ajith Pandiyan, Placement Expert, FACEPREP Mobile: 9342968739	28.11.2022 / 03.00 PM – 04.50 PM	II / III / A
14	How to Get a Job Through Linkedin	Ms.Swetha Ravichandran, Placement Expert, FACEPREP	28.11.2022 / 03.00 PM – 04.50 PM	III / V / A & B /
15	PLC and SCADA	Mr.R.Balamurugesh, Director – Silicon Systems, Coimbatore. Mr.S.Raja, Product Development Engineer, Silicon Systems, Coimbatore.	12.12.2022 / 03.00 – 04.50 PM	II/ III
16	Electrical Fault Identification and Rectification	Mr.I.Prasannaram, Senior Electrical Engineer, Aurovile Electrical Service Pvt. Ltd.	17.12.2022 / 10.00 AM – 04.20 PM	I – A&B

17	Importance of PLC and SCADA using Siemens PLC	Ramesh Palanivel, Manager- Sales & Marketing, Siemens, Chennai. Kolappan C, Territory Manager-Sales, Siemens, Chennai.	19.12.2022 / 11.00 AM – 04.50 PM	II, III A&B
18	How to improve career opportunities for pega certified students	Dhileswar Sanapala, Senior Manager – operations, Talentsprints, Hyderabad	19.12.2022 / 10.00 AM – 12.50 PM	IV/VIII – A&B
19	Awareness program on software development cum Hands-on Training	Abilashparaman, Placement Expert, FACEPREP	21.12.2022 / 10.00 AM – 12.50 PM	IV/VIII – A&B
20	Digital Signal process Based Motor Control System	L.R. Ravindranath, Scholar Master of Engineering - Control and Instrumentation Engineering, College of Engineering, Guindy	11.02.2023 / 01.00 – 02.00 PM	I/II – B
21	Opportunities in Banking Sector	Witteric Lourdesmarie Juliana, Senior Manager HR, Yes Bank, Mumbai	13.02.2023 / 01.00 – 02.00 PM	I/II – A

### 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	Measurement and Instrumentation for Electrical Engineering	II/IV	2020 – 2024	Yes	18	Yes
2	Dr. P. Jamuna	Digital Electronics	I/II	2021 – 2025	Yes	09	Yes
3	Dr. D. Raja	Power Electronics	III/V	2020 – 2024	Yes	10	Yes
4	Dr. S. Ganesh Kumaran	Measurement and instrumentation for electrical engineering	II/IV	2021 – 2025	Yes	13	Yes
5	Dr.M.Prabavathi	Programming in C	I/I	2022 – 2026	Yes	07	Yes
6	Dr.K.Gowrisankar	Electric Circuit Analysis	I/II	2021 – 2025	Yes	14	Yes
7	Dr.C.Kalaivani	Power Electronics	III/V	2020 – 2024	Yes	06	Yes
8	Dr.D.Sivaraj	Electric Circuit Analysis	I/II	2021 – 2025	Yes	09	Yes
9	Dr.S.Vijayasamundiswary	Electrical machines II	II/III	2021 – 2025	Yes	05	Yes
10	Mr.N.Jaiganesh	Electrical Engineering	I/I	2022 – 2026	Yes	13	Yes
11	Mr.B.Parthiban	Transmission and Distribution	III/V	2020 – 2024	Yes	07	Yes
12	Mr.S.Johnpowl	Electronic Devices	I/I	2022 – 2026	Yes	12	Yes
13	Mr.K.Thangaraj	Microprocessor and microcontroller	II/IV	2020 – 2024	Yes	09	Yes
14	Mr.J.Muruganandham	Programming in C	I/I	2022 – 2026	Yes	12	Yes
		Programming in JAVA	II/IV	2021 – 2025	Yes	12	Yes
15	Mrs.B.Mahalakshmi	Programming in JAVA	II/IV	2021 – 2025	Yes	14	Yes
16	Mr.C.Adrien Perianayagam	Linear integrated circuits	II/III	2021 – 2025	Yes	12	Yes
17	Ms.F.Avila Priya	Protection and Switchgear	IV/VIII	2019 – 2023	Yes	12	Yes
18	Mr.R.Rajtilak	Data structures	II/III	2021 – 2025	Yes	06	Yes

19	Mr.V. Janakiraman	Transmission and distribution	III/V	2020 – 2024	Yes	09	Yes
20		Control Systems	III/V	2020 – 2024	Yes	12	Yes
21	Mr.K.Manikanda Prabhu.	Control Systems	III/V	2020 – 2024	Yes	09	Yes
22	Ms.R.Aarthi	Electronics circuits	I/II	2021 – 2025	Yes	12	Yes
23	Mr.S.Ashok Kumar	Electronic circuits	I/II	2021 – 2025	Yes	09	Yes
24	Mr.M.Arul Kumar	Electronic Devices	I/I	2021 – 2025	Yes	15	Yes
25	Mr.K.Kannan	Digital Electronics	I/II	2022 – 2026	Yes	09	Yes
	Mrs.S.Uma Mageswari	Electrical Engineering	I/I	2022 – 2026	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
330	40	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	Attainment Level 1 -->50% and above of Students Secured ≥ B grade Attainment Level 2 -->52% and above of Students Secured ≥ B grade Attainment Level 3 -->54% and above of Students Secured ≥ B grade <b>Batch: 2019 – 2023</b> Target: Level 1 <b>Batch: 2020 – 2024</b> Target: Level 2 <b>Batch: 2021 – 2025</b> Target: Level 3
4	PSO and PO attainment through CO	Yes	Attainment Level 1 -->52% and above of Students Secured ≥ B grade Attainment Level 2 -->54% and above of Students Secured ≥ B grade Attainment Level 3 -->56% and above of Students Secured ≥ B grade <b>Batch: 2022 – 2026</b> Target: Level 3

### 3.8 Student Performance in End Semester Examination

#### Semester – VII (Batch 2019 – 2023)

Sr. No	Particular	B. Tech
1	Number of Students appeared	118
2	Number of All Clear Students	102
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	16
7	Passing Percentage	86.44 %

#### Semester – IV (Batch 2020 – 2024)

Sr. No	Particular	B. Tech
1	Number of Students appeared	124
2	Number of All Clear Students	106
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	85.48 %

#### Semester – II (Batch 2021 – 2025)

Sr. No	Particular	B. Tech
1	Number of Students appeared	79
2	Number of All Clear Students	67
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	12
7	Passing Percentage	84.81 %

#### Semester – VIII (Batch 2019 – 2023)

Sr. No	Particular	B. Tech
1	Number of Students appeared	118
2	Number of All Clear Students	107
3	Number of Students passed with Distinction	21
4	Number of Students passed with First Class	84
5	Number of Students passed with Second Class	02
6	Number of Students Failed	11
7	Passing Percentage	90.67%

**Semester – V (Batch 2020 – 2024)**

Sr. No	Particular	B. Tech
1	Number of Students appeared	124
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	23
7	Passing Percentage	81.45%

**Semester – III (Batch 2021 – 2025)**

Sr. No	Particular	B. Tech
1	Number of Students appeared	88
2	Number of All Clear Students	74
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	84.09 %

**Semester – I (Batch 2022 – 2026)**

Sr. No	Particular	B. Tech
1	Number of Students appeared	102
2	Number of All Clear Students	88
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	86.27 %

**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	432	-
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	35	-
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.S.Anbumalar	Modernizations of power electronics and drives laboratory	AICTE	Rs. 11,00,000	2 Years
2	Dr. D. Sivaraj	Automatic Power Transformer tester	GT Electronic India Pvt. Ltd.	R. 2,67,000	1 year

### 5.2 Consultancy Works

S.No	Name of the Faculty	Title of Project	Funding Agency	Fund Generated	Duration of the Consultancy
1	Dr.S.Ganesh Kumaran	Design and fabrication of oil expelling machine	RECON Group of Companies	Rs. 1,33,000	8 Months

### 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.	2022-2023	Dr. Anbumalar, Coal Mine Monitoring Robot, International Journal of Scientific Research in Science, Engineering and Technology, Volume(10), Issue(2), PP-346-352, March - April 2023 DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC	-	-	-
2.		Dr. Jamuna. P, Design of Intelligent Energy Meter, International Journal of Scientific Research in Science, Engineering and Technology, Volume(10), Issue(2), PP-250-254, March - April 2023 DOI: <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC	-	-	-
3.		Dr. P. Jamuna, Implementation of A 3 Stage Dc-Dc Multiport Converter for Energy Storage System, International Journal of Scientific Research in Science, Engineering and Technology, Volume(10), Issue(2), PP-423-428, March - April 2023 DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC	-	-	-
4.		Dr. D. Raja, PLC Based Automatic Control of Hydraulic Press Machine Using LVDT, International Journal of Scientific Research in Science, Engineering and Technology, Volume(10), Issue(2), PP-363-368, March - April 2023 DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC	-	-	-

5.		<b>Adrien Periyanayagam.</b> C, IoT-Based Rural Medical ATM System, International Journal of Scientific Research in Science, Engineering and Technology, Volume(10), Issue(2), PP-237-243, March - April 2023 DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC	-	-	-
6.		<b>Adrien Periyanayagam.</b> C, Automated Irrigation System with Internet of Things Capabilities, International Journal of Scientific Research in Science, Engineering and Technology, Volume(10), Issue(2), PP-301-312, March - April 2023 DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC	-	-	-
7.		<b>Muruganandham.J</b> , Greenhouse monitoring and control using IOT, International Journal of Engineering Technology and Management Sciences, Volume(7), Issue(2), PP-9-14, March - April 2023 DOI:10.46647/ijetms.2023.v07i02.002	UGC	-	-	-
8.		<b>Muruganandham. J</b> , Simplified Integrated Microcontroller Based Assistant, International Journal of Scientific Research in Science, Engineering and Technology, Volume(10), Issue(2), PP-418-422, March - April 2023 DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC	-	-	-
9.		<b>Dr .D .Sivaraj</b> , Automatic Power Transformer Tester, International Journal for Multidisciplinary Research, Volume(5), Issue(2), PP-1-8, March - April 2023 DOI: 10.36948/ijfmr.2023.v05i02.2085	UGC	-	-	-
10.		<b>Mr.A.Janagiraman</b> , Offline UPS for Regenerative Loads, International Journal for Multidisciplinary Research, Volume(5), Issue(2), PP-1-8, March - April 2023, <a href="https://www.ijfmr.com/papers/2023/2/2377.pdf">https://www.ijfmr.com/papers/2023/2/2377.pdf</a>	UGC	-	-	-
11.		<b>Mr.Ragupathy. R</b> , Implementation of E-Bicycle Using Old Alternator, International Journal of Scientific Research in Science, Engineering and Technology, Volume(10), Issue(2), PP-435-439, March - April 2023 DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC	-	-	-
12.		<b>Shivasankkar. I</b> , Design of onboard EV charger using boost converter with reduced harmonics, International Research Journal of Modernization in Engineering Technology and Science, Volume(05), Issue(4), PP-1414-1417, April 2023	UGC	-	-	-

13.	2021-2022	Dr. M.Jayachandran, K.Prasada Rao, 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	-	-
14.		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	-	-
15.		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	-	-	-
16.		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	-	-
17.		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	-	-
18.		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	-	-	-
19.		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	-	-	-
20.		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	-	-	-
21.		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	-	-	-

22.	2020-2021	<b>Dr.P.Jamuna</b> , 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
23.		<b>P. Jamuna</b> , <b>S.Anbumalar</b> , 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
24.		<b>D. Raja</b> , 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
25.	2019-2020	<b>K. Thangaraj</b> , K.subramaiamNP, <b>Narmada.R</b> , 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
26.		G. Jegadeeswari, B. Kirubadurai, D. Lakshmi, <b>I. Shivasankkar</b> , 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 Feb 2020	Scopus	-	-	0.2

#### Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	-
Number of Publication in International Journals	12
Number of Publication in National Conferences	-
Number of Publication in International Conferences	18
Number of Books / Book Chapters	-
Number of Patent (Filed)	07
Number of Patents Granted	07

#### 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	Volume, issue, pp, ISBN/ISSN	Indexing
1	Coal Mine Monitoring Robot	<b>Dr. Anbumalar,</b> Akshaya. S, Hemalatha.V, NivethithaaSri.P.R, Sanchuna. S	International Journal of Scientific Research in Science, Engineering and Technology	Volume(10), Issue(2), PP-346-352, March - April 2023, DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC
2	Design of Intelligent Energy Meter	<b>Dr. Jamuna.P,</b> Dhivyadarshni.V Abiraami.V, Anjana.V, Kiruthiga.C	International Journal of Scientific Research in Science, Engineering and Technology	Volume(10), Issue(2), PP-250-254, March - April 2023, DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC
3	Implementation of A 3 Stage Dc-Dc Multiport Converter for Energy Storage System	<b>Dr. P. Jamuna,</b> K. Sindhuja, E. Priyenga, S.K. Thanyasri, C. Nandhini	International Journal of Scientific Research in Science, Engineering and Technology	Volume(10), Issue(2), PP-423-428, March - April 2023, DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC
4	PLC Based Automatic Control of Hydraulic Press Machine Using LVDT	<b>Dr. D. Raja,</b> V. Deepika, R. Nivethitha, A. Hemalatha, A. Arthi	International Journal of Scientific Research in Science, Engineering and Technology	Volume(10), Issue(2), PP-363-368, March - April 2023, DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC
5	IoT-Based Rural Medical ATM System	<b>Adrien Periyanayagam. C,</b> Gokul. S, Abdul Razaak. A, Ganesa Murthy. S	International Journal of Scientific Research in Science, Engineering and Technology	Volume(10), Issue(2), PP-237-243, March - April 2023, DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC
6	Automated Irrigation System with Internet of Things Capabilities	<b>Adrien Periyanayagam. C,</b> Mohamed Fawaz. Y, Sanjay. M, Jagan. P, Kishor. G	International Journal of Scientific Research in Science, Engineering and Technology	Volume(10), Issue(2), PP-301-312, March - April 2023, DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC
7	Greenhouse monitoring and control using IOT	Deivaprasath.A, Arvind.D, Sanjay.M, Sunil Kumar.M, <b>Muruganandham.J</b>	International Journal of Engineering Technology and Management Sciences	Volume(7), Issue(2), PP-9-14, March - April 2023, DOI:10.46647/ijetms.2023.v07i02.002	-
8	Simplified Integrated Microcontroller Based Assistant	<b>Muruganandham. J</b> Sakthi Eswaaran.S Dhineshe. S Devanathan. J Gugan. M	International Journal of Scientific Research in Science, Engineering and Technology	Volume(10), Issue(2), PP-418-422, March - April 2023, DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC
9	Automatic Power Transformer Tester	<b>Dr .D .Sivaraj</b> Akash. S Gokulraj. N Khaja moideen. S Loganathan. S	International Journal for Multidisciplinary Research	Volume(5), Issue(2), PP-1-8, March - April 2023, DOI: 10.36948/ijfmr.2023.v05i02.2085	-
10	Offline UPS for Regenerative Loads	<b>Mr.A.Janagiraman</b> Asmabegam.M Gunavathi.S Sowmya.S Vidhyalakshmi.E	International Journal for Multidisciplinary Research	Volume(5), Issue(2), PP-1-8, March - April 2023, <a href="https://www.ijfmr.com/papers/2023/2/2377.pdf">https://www.ijfmr.com/papers/2023/2/2377.pdf</a>	-
11	Implementation of E-Bicycle Using Old Alternator	<b>Mr.Ragupathy. R</b> Jawahar. G Narendiran .A Surya Prakash. P Javith Ahamed. J	International Journal of Scientific Research in Science, Engineering and Technology	Volume(10), Issue(2), PP-435-439, March - April 2023, DOI : <a href="https://doi.org/10.32628/IJSRSET">https://doi.org/10.32628/IJSRSET</a>	UGC
12	Design of onboard EV charger using boost converter with reduced harmonics	<b>Shivasankkar. I</b> Thirumani Raj, Thirumaran. D, Vetrivel. V, Vigneshwaran. V	International Research Journal of Modernization in Engineering Technology and Science	Volume(05), Issue(4), PP-1414-1417,April 2023	-

### National Conference

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

### International Conference

S.No	Title of the Paper	Name of the Authors	Name of the Conference	Date	ISBN / ISSN	Publisher
1	Design And Analysis Of Asymmetrical Multilevel Inverter	<b>Dr.S.Anbumalar</b> , Dr.P.Jamuna, Sowmya.S, Asmabegam.M	AICTE sponsored International conference on emerging innovative technologies in engineering (ICEITE'22)	13 <sup>th</sup> – 15 <sup>th</sup> July, 2022.	-	SMVEC
2	Design And Analysis Of Asymmetrical Multilevel Inverter	<b>Dr.S.Anbumalar</b> , <b>Dr.P.Jamuna</b> , Sowmya.S, Asmabegam.M	AICTE sponsored International conference on emerging innovative technologies in engineering (ICEITE'22)	13 <sup>th</sup> – 15 <sup>th</sup> July, 2022.	-	SMVEC
3	Mobile Application for the detection of tuberculosis using Artificial Intelligence	<b>Dr.K. Gowrishankar</b> , K. Aurtiselvi, R. Ganesh, K.Padmanaban, B. Suvathi	AICTE sponsored International conference on emerging innovative technologies in engineering (ICEITE'22)	13 <sup>th</sup> – 15 <sup>th</sup> July, 2022.	-	SMVEC
4	Real time Implementation of fuzzy expert system based multi variable control in a MIMO climatic chamber	S.N.Sivaraj, <b>Dr.K. Gowrishankar</b> , M.Vijayakarthick, S.Sathishbabu	AICTE sponsored International conference on emerging innovative technologies in engineering (ICEITE'22)	13 <sup>th</sup> – 15 <sup>th</sup> July, 2022.	-	SMVEC
5	Automated trolley using MEMS Sensor	S.N.Sivaraj, <b>Dr.K. Gowrishankar</b> , A.Ganesh Ram, M.Vijayakarthick, S.Sathishbabu	AICTE sponsored International conference on emerging innovative technologies in engineering (ICEITE'22)	13 <sup>th</sup> – 15 <sup>th</sup> July, 2022.	-	SMVEC
6	Development of power electronic distribution transformer based on ANFIS controller	Dr.P.Kathiravan, <b>Mr.K.Thangaraj</b> , Logeshwaran, Sathayanarayanan	AICTE sponsored International conference on emerging innovative technologies in engineering (ICEITE'22)	13 <sup>th</sup> – 15 <sup>th</sup> July, 2022.	-	SMVEC
7	Design of double stage savonius rotor for Wind power generation	<b>Mr.K Thangaraj</b> , P.Sivaprasam, B.Chandru, M.Jaffarudeen	AICTE sponsored International conference on emerging innovative technologies in engineering (ICEITE'22)	13 <sup>th</sup> – 15 <sup>th</sup> July, 2022.	-	SMVEC
8	VOC-Vienna rectifier in charging circuit of electric vehicle	<b>Dr.S.Anbumalar</b> , <b>Dr.P.Jamuna</b>	AICTE sponsored International Conference on "Innovative and Cutting Edge Technologies in Electrical, Electronics, Computer Engineering and Information Technology" (ICICEECI'22)	14 <sup>th</sup> – 15 <sup>th</sup> Dec 2022	-	Mailam Engineering College
9	Design and Analysis of Asymmetrical multilevel inverter	<b>Dr.S.Anbumalar</b> , <b>Dr.P.Jamuna</b>	AICTE sponsored International Conference on "Innovative and Cutting Edge Technologies in Electrical, Electronics, Computer Engineering and Information Technology" (ICICEECI'22)	14 <sup>th</sup> – 15 <sup>th</sup> Dec 2022	-	Mailam Engineering College

10	AI based Shoe Polishing Machine	<b>Dr.D.Raja,</b> Aruleeswaran.P, Athmajan.S, Sharan.S	First International Conference and Awards on Arts, Management, Medical, Technology, Engineering and Science	2 <sup>nd</sup> April 2023	978-81-963010-0-2	Inspire Softech Solutions, Chennai
11	Investigation on the efficacy of dual-axis solar tracker coupled with passive cooling system	<b>Mr.Shivasankkar I,</b> Meshach. E Sivabalan S Jagadheesan. P Yogesh. A	Intelligent Systems and Controls (ISCO-2023)	10 <sup>th</sup> – 11 <sup>th</sup> March 2023	-	Karpagam College of Engineering Coimbatore
12	Control Strategy For Renewable Energy System Using Transformerless HERIC Bridge Inverter	<b>Mr.Janagiraman. A,</b> Saravanakrishnan. V Dhanush.N Israk Hussain. S Thamizhselvan. G	2 <sup>nd</sup> International Conference on Innovation in Technology (INOCON 2023)	3 <sup>rd</sup> – 5 <sup>th</sup> March, 2023	-	Sai Vidya Institute of Technology Bengaluru
13	Industrial Logistics Robot	<b>Mr.Thangaraj.K,</b> Dinesh Kumar .M, Hariharan. S, Hemamaalan. C, Kishore. D	Intelligent Systems and Controls (ISCO-2023)	10 <sup>th</sup> – 11 <sup>th</sup> - March 2023	-	Karpagam College of Engineering, Coimbatore
14	ML based mechanism using raspberry pi for motherboard cleaning	<b>Mr.Thangaraj.K,</b> Sathyaranayanan.V, Annamalai.E, Dinesh Babu.A, Muthukumaran.R	Intelligent Systems and Controls (ISCO-2023)	10 <sup>th</sup> – 11 <sup>th</sup> March 2023	-	Karpagam College of Engineering, Coimbatore
15	Internet of Things based HT/LT Transformer Control and Monitoring Device	<b>Mr.K.Thangaraj,</b> Dileepprasath.k , Jeevajothi.K, Karthik.R, Rajmugilan.R	Intelligent Systems and Controls (ISCO-2023)	10 <sup>th</sup> – 11 <sup>th</sup> March 2023	-	Karpagam College of Engineering, Coimbatore
16	Developing an electronic exam pad for making the examination simplified	<b>Dr.S.Ganesh Kumaran,</b> V. Logeshwaran, T. Arunachalam, M. Iyappan, O. Oumar Gouru	Intelligent Systems and Controls (ISCO-2023)	10 <sup>th</sup> – 11 <sup>th</sup> March 2023	-	Karpagam College of Engineering Coimbatore
17	High Gain DC-DC Converter With Continuous Input Current Solar Power Tracking	<b>Mr. Shivashankkar.I,</b> Sivaraman P, Rajarajan. D, Rathinasabapathy A, Pravin.M	Intelligent Systems and Controls (ISCO-2023)	10 <sup>th</sup> – 11 <sup>th</sup> March 2023	-	Karpagam College of Engineering Coimbatore
18	Fault Detection And Monitorization of EV Batteries	<b>Mr.Ragupathy,</b> Nanthakumar.B Nayakan.S.T Surendar.G Jai Ganesh. J	Intelligent Systems and Controls (ISCO-2023)	10 <sup>th</sup> – 11 <sup>th</sup> March 2023	-	Karpagam College of Engineering Coimbatore

### 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. S. Anbumalar Dr.P.Jamuna Dinesh kumar. M Hariharan. S Hemamaalan. C Kishore. D	Dr. S. Anbumalar Dr.P.Jamuna Dinesh kumar. M Hariharan. S Hemamaalan. C Kishore. D	Coordinative Robots for garment industry	Applied	India	Applied
2.	Dr. D. Raja Dr. S. Anbumalar Delli Babu.S Aruleeswaran.P Athemajan.S Sharan.S	Dr. D. Raja Dr. S. Anbumalar Delli Babu.S Aruleeswaran.P Athemajan.S Sharan.S	AI Based Shoe Polishing Machine	Applied	India	Applied
3.	Dr. S. Ganesh Kumaran Mr.S. Johnpowl Al Ashfak.M Vignesh.K Sethuram.S Thahaadhamsharif.N	Dr. S. Ganesh Kumaran Mr.S. Johnpowl Al Ashfak.M Vignesh.K Sethuram.S Thahaadhamsharif.N	Design and fabrication of weight scaled oil expelling machine	Applied	India	Applied
4.	Mr. K. Thangaraj Mr. R. Ragupathy Annamalai. E Dinesh Babu. A Muthukumaran. R Sathyaranarayanan. V	Mr. K. Thangaraj Mr. R. Ragupathy Annamalai. E Dinesh Babu. A Muthukumaran. R Sathyaranarayanan. V	ML based mechanism using RASPBERRY PI for mother board cleaning application	Applied	India	Applied
5.	Mr. C. Adrien Perianayagam Dr. S. Anbumalar Anand.M.V Dhilipkumar.S Rasin.A Thamarai Selvan.S	Mr. C. Adrien Perianayagam Dr. S. Anbumalar Anand.M.V Dhilipkumar.S Rasin.A Thamarai Selvan.S	Novel Air compressor for oxygen concentrator	Applied	India	Applied
6.	Dr.P.Jamuna Mr. C. Adrien Perianayagam Dr. D. Sivaraj Gokul S Abdul Razaak A Ganessa Murthy S	Dr.P.Jamuna Mr. C. Adrien Perianayagam Dr. D. Sivaraj Gokul S Abdul Razaak A Ganessa Murthy S	IoT based medical ATM system	Applied	India	Applied
7.	Mr R.Vignesh Mr. J.Muruganandham Aravindhan.A Palepu Shiva Priyadharsan.S Vasanthakumar.R	Mr R.Vignesh Mr. J. Muruganandham Aravindhan.A Palepu Shiva Priyadharsan.S Vasanthakumar.R	RFID based smart trolley for automated billing system	Applied	India	Applied

**Design Patent**

S. No	Design number	Publication Date	Title of the invention	Name of Inventor	The Patent Office Journal No.
1.	373089-001	10/01/2023	Wireless Charger for Electric Vehicle	Dr. S. Anbumalar Dr. P. Jamuna Dr. D. Raja Dr. K. Gowrishankar	124515

2.	373084-002	19/01/2023	Automatic Ethylene Detection System	Dr. S. Anbumalar Dr. S. Ganesh Kumaran Mr. K. Thangaraj Mr. R. Ragupathy	125862
3.	373084-001	25/01/2023	GPS/GSM Based Helmet Identifying Device for Electric Biker	Dr. S. Anbumalar Dr. M. Jayachandran Dr. P. Jamuna Mr. J. Muruganandham	127477
4.	373088-001	11/01/2023	Automated Headlight Intensity Controller for Bike	Dr. S. Anbumalar Mr. C. Adrien Periyanayagam Dr. D. Sivaraj Mr. I. Shivasankkar	124660
5.	373091-001	05/01/2023	Mustard Seed Processor	Dr. S. Anbumalar Mr. J. Muruganandham Mr. K. Thangaraj Mr. R. Ragupathy	123842
6.	373088-002	09/01/2023	Automated Billing Trolley	Dr. S. Anbumalar Dr. D. Raja Dr. K. Gowrishankar Dr. S. Ganesh Kumaran	124174
7.	373087-001	08/02/2023	Hybrid Wind Turbine With Permanent Magnet Generator	Dr. S. Anbumalar Mr. C. Adrien Periyanayagam Mr. I. Shivasankkar Dr. D. Sivaraj	128964

## 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.	Sathyanaarayanan.V	ZOHO	08 Months	02.08.2022	30.04.2023
2.	Rathinasabapathy.A	CARTLANE	04 Months	09.01.2023	30.04.2023
3.	Nandhini.C	CARTLANE	04 Months	09.01.2023	30.04.2023
4.	Vidhyalakshmi.E	CARTLANE	04 Months	09.01.2023	30.04.2023
5.	S.Sanchuna.S	ZENTIENCE	04 Months	09.01.2023	30.04.2023
6.	Nivethitha Sri.P.R	ZENTIENCE	04 Months	09.01.2023	30.04.2023
7.	Dhanush.N	CTS	03 Months	07/02/2023	30.04.2023
8.	Deepika.V	EMERSON	03 Months	01.02.2023	30.04.2023
9.	Divaprasath.A	Renault Nissan Technology	03 Months	01.02.2023	30.04.2023
10.	Sanjay.M	Myoung Shin India (MSI)	04 Months	18.01.2023	30.04.2023
11.	Dhilipkumar .S	Myoung Shin India (MSI)	04 Months	18.01.2023	30.04.2023
12.	Hemamaalan.C	ELGER Controls India Pvt Ltd	03 Months	15.02.2023	30.04.2023
13.	Jagadheesan.P	ELGER Controls India Pvt Ltd	03 Months	15.02.2023	30.04.2023
14.	Thamizhselvan.G	ELGER Controls India Pvt Ltd	03 Months	15.02.2023	30.04.2023
15.	Aravind.G	PENTAGON	03 Months	27.02.2023	30.04.2023
16.	Yogesh.R	PENTAGON	03 Months	27.02.2023	30.04.2023
17.	Rajmugilan.R	PENTAGON	03 Months	27.02.2023	30.04.2023
18.	Abiraami. V	Puducherry Power Corp. Ltd	05 Days	21.10.2022	25.10.2022
19.	Anjana. V	Cognizant	-	15.11.2022	-
20.	Annamalai. E	Emertxe	02 Months	08.11.2021	31.12.2021
21.	Aravind. G	Cognizant	-	14.11.2022	-
22.	Aravinda. C	Cognizant	-	17.11.2022	-
23.	Ariprasath. N	Cognizant	-	27.10.2022	-

24.	Arthi. A	A.I.C.T.E (Edu Skills)	03 Months	01.10.2022	01.12.2022
25.	Arunachalam.T	Government of Puducherry	05 Days	21.10.2022	26.10.2022
26.	Bhuvanesh I	Cognizant	-	14.11.2022	-
27.	Deepa Pragasan. V	Accenture	-	24.11.2022	-
28.	Devanathan. J	SPM Engineering	03 Days	04.11.2022	06.11.2022
29.	Dhilipkumar. S	Ananda Steel Solutions	02 Months	27.10.2022	02.11.2022
30.	Dhivyadarshni. V	Cognizant	-	15.11.2022	-
31.	Dinesh Babu.A	SPM Engineering	03 Days	13.10.2022	15.10.2022
32.	Gogularaj.V	TATA	-	19.11.2022	-
33.	Hari Prasad K	Cognizant	-	14.11.2022	-
34.	Harish. A	Cognizant	-	14.11.2022	-
35.	Iyyappan. M	Government of Puducherry	06 Days	21.10.2022	26.10.2022
36.	Jagan.P	Government of Puducherry	06 Days	21.10.2022	26.10.2022
37.	Jai Ganesh. J	KAE Electrical Works	06 Days	21.10.2022	26.10.2022
38.	Kiruthiga. C	Cognizant	-	13.11.2022	-
39.	Kishor. G	Government of Puducherry	06 Days	21.10.2022	26.10.2022
40.	Kumaran. S	Government of Puducherry	06 Days	21.10.2022	26.10.2022
41.	Logeshwaran. V	Accenture	-	22.10.2022	-
42.	Mohamed Fawaz.Y	Government of Puducherry	06 Days	21.10.2022	26.10.2022
43.	Nandhini.C	SOLARA Active Pharma Science	04 Days	24.08.2022	27.08.2022
44.	Oumar Gouru. O	Government of Puducherry	06 Days	21.10.2022	26.10.2022
45.	Pravin. M	Cognizant	-	16.11.2022	-
46.	Priyenga.E	SOLARA Active Pharma Science	04 Days	24.08.2022	27.08.2022
47.	Rajarajan. D	Cognizant	-	16.11.2022	-
48.	Rathinasabapathy A	Government of Puducherry	06 Days	21.10.2022	26.10.2022
49.	Sanjay. M	Government of Puducherry	06 Days	21.10.2022	26.10.2022
50.	Sindhuja. K	SOLARA Active Pharma Science	04 Days	24.08.2022	27.08.2022
51.	Sivaraman P	Government of Puducherry	06 Days	21.10.2022	26.10.2022
52.	Surendar.G	Government of Puducherry	06 Days	21.10.2022	26.10.2022
53.	Thanyasri.S.K	SOLARA Active Pharma Science	04 Days	24.08.2022	27.08.2022
54.	Thirumaniraj. P	Cognizant	-	16.11.2022	-
55.	Thirumaran. D	Cognizant	-	23.11.2022	-
56.	Vetrivel.V	Accenture	-	08.11.2022	
57.	Vigneshwaran.V	SPM Engineering	03 Days	04.11.2022	06.11.2022
58.	Yogesh. R	EMERTXE	03 Months	27.06.2022	25.08.2022
59.	Yogeshwar S	Cognizant	-	27.10.2022	-
60.	Ganesamurthy. S	KAE Electrical Works	06 Days	21.10.2022	26.10.2022
61.	Muthukumaran.R	Cognizant	-	17.11.2022	-
62.	Nayakan.S.T	Cognizant	-	16.11.2022	-
63.	Sameer.B	Cognizant	-	17.11.2022	-
64.	Akash. S	Ananda Steel Solutions	02 Months	27.10.2022	02.11.2022
65.	Akshaya S	Cognizant	-	05.11.2022	-
66.	Alashfak M	Cognizant	-	17.11.2022	-
67.	Aravindhan. A	TATA	-	20.11.2022	-
68.	Dileep Prasath K	Cognizant	-	15.11.2022	-
69.	Dinesh Kumar. M	SPM Engineering	02 Months	31.10.2022	02.11.2022
70.	Gokulraj N	Ananda Steel Solutions	02 Months	27.10.2022	02.11.2022
71.	Hemalatha. V	Fantasy Solutions	04 Months	11.10.2022	14.10.2022

72.	Hemamaalan. C	SPM Engineering	02 Months	31.10.2022	02.11.2022
73.	Israk Hussain. S	Cognizant	-	16.11.2022	-
74.	Jagadheesan. P	SPM Engineering	03 Days	04.11.2022	06.11.2022
75.	Jawahar. G	TATA	-	16.11.2022	-
76.	Jeevajothi. K	SPM Engineering	02 Months	31.10.2022	02.11.2022
77.	Jensy Albiya. A.J.	Cognizant	-	23.10.2022	-
78.	Karthik. R	SPM Engineering	03 Days	04.11.2022	06.11.2022
79.	Khaja Moideen S	Ananda Steel Solutions	01 Week	27.10.2022	02.11.2022
80.	Loganathan S	SPM Engineering	03 Days	31.10.2022	02.11.2022
81.	Lokeswari. G	Cognizant	-	25.10.2022	-
82.	Meshach. E	SPM Engineering	03 Days	04.11.2022	06.11.2022
83.	Narendiran.A	Cognizant	-	16.11.2022	-
84.	Nivethithaasri. P.R.	Cognizant	-	28.10.2022	-
85.	Palepu Shiva	Cognizant	-	15.11.2022	-
86.	Priyadharshan. S	Cognizant	-	16.11.2022	-
87.	Rasin A	Ananda Steel Solutions	01 Week	27.10.2022	02.11.2022
88.	Sanchuna .S	Cognizant	-	01.11.2022	-
89.	Sharan. S	Kaa Shiv	01 Week	27.10.2022	02.11.2022
90.	Sivabalan S	Kaa Shiv	01 Week	27.10.2022	02.11.2022
91.	Sowmya S	TATA	-	03.11.2022	-
92.	Suryaprakash. P	Cognizant	-	16.11.2022	-
93.	Thamaraiselvan. S	Aananda Steel Solutions	01 Week	27.10.2022	02.11.2022
94.	Thamizhselvan. G	Cognizant	-	20.11.2022	-
95.	Vasanthakumar. R	SPM Engineering	03 Days	31.10.2022	02.11.2022
96.	Vidhyalakshmi E	TATA	-	03.11.2022	-
97.	Vignesh. K	Accenture	-	09.11.2022	-
98.	Yogesh. A	Kaa Shiv	01 Week	27.10.2022	02.11.2022
99.	Athmajan.S	Kaa Shiv	01 Week	27.10.2022	02.11.2022
100.	Javith Ahamed.J	Cognizant	-	15.11.2022	-
101.	Sethuram.S	Cognizant	-	17.11.2022	-
102.	Thahaadhamsharif.N	Cognizant	-	17.11.2022	-

## 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	PLC Based Automatic Control Of Hydraulic Press Machine Using LVDT	Deepika. V Arthi.A Hemalatha A Nivethitha. R	RANE Madras Ltd., Puducherry	10 Months
2	Offline Ups For Regenerative Loads	Asma Begam. M Gunavathi S Sowmya S Vidhyalakshmi E	EATON Power Quality Pvt Ltd, Sedarapet, Puducherry	10 Months
3	Automatic Power Transformer Tester	Khaja Moideen S Gokulraj N Akash. S Loganathan S	G T ELECTRONIC India Pvt Ltd, Tamil Nadu	10 Months

### 6.3 Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
1	Starya Mobility private limited, Bangalore	27.01.2023	II/III/A	78
2	Legion Insulators Pvt. Ltd, Bangalore	27.01.2023	III/V/A&B	105
3	Viji Power Transformers Pvt.Ltd, Bangalore	28.01.2023	II/III/A	78
4	Viji Power Transformers Pvt. Ltd., Bangalore	28.01.2023	III/V/A&B	105
5	Pentagon Switchgear, Coimbatore	03.02.2023	I/I/A&B	97
6	Well Tech control systems, Coimbatore	04.02.2023	I/I/A&B	97

### 6.4 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1	Mangronic Contrivance Pvt. Ltd. NO.19 & 20, First Floor, 12 <sup>th</sup> Cross, Sudhagar Nagar, Reddiyarpalayam, Pondicherry.	28.08.2022	Consultancy, Industrial Visit, Skill Development	Long term

## SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	113
Number of Students opted Higher Studies	03
Number of Entrepreneur	02

### 7.1 Placements

S. No.	Reg. No.	Name of the student Placed	Company Placed	Salary Package
1.	19TEL001	Athmajan .S	EmbedUr	8.00 LPA
2.	19TE0092	Hemalatha .A	VODAFONE	7.25 LPA
3.	19TE0075	Delli Babu .S	TCS	7.00 LPA
4.	19TE0134	Sathyaranayanan .V	ZOHO	7.00 LPA
5.	19TE0063	Ariprasath .N	Hexaware	6.00 LPA
6.	19TE0089	Hariharan .S	Hexaware	6.00 LPA
7.	19TE0118	NivethithaaSri .P.R	Zentience	6.00 LPA
8.	19TE0130	Sanchuna .S	Zentience	6.00 LPA
9.	19TE0087	Gugan .M	Hexaware	6.00 LPA
10.	19TE0058	Annamalai .E	ZOHO	5.40 LPA
11.	19TE0105	Kiruthiga .C	EATON	4.80 LPA
12.	19TE0111	Lokeswari .G	EATON	4.80 LPA
13.	19TE0147	Thirumaniraj .P	EATON	4.80 LPA
14.	19TE0073	Deepika .V	EMERSON	4.60 LPA
15.	19TE0074	Deivaprasath .A	RENAULT NISSAN	4.50 LPA
16.	19TE0114	Nandhini .C	CARATLANE	4.00 LPA
17.	19TE0128	Rathinasabapathy .A	CARATLANE	4.00 LPA
18.	19TE0151	Vidhyalakshmi .E	CARATLANE	4.00 LPA
19.	19TE0051	Abdul Razaak .A	CTS	4.00 LPA
20.	19TE0054	Akshaya .S	CTS	4.00 LPA
21.	19TE0056	Anand .M.V	CTS	4.00 LPA
22.	19TE0063	Ariprasath .N	CTS	4.00 LPA
23.	19TE0066	Arunachalam	CTS	4.00 LPA
24.	19TE0067	Arvind .D	CTS	4.00 LPA
25.	19TE0068	Asma begam .M	CTS	4.00 LPA

26.	19TE0075	DelliBabu .S	CTS	4.00 LPA
27.	19TE0076	Devanathan .J	CTS	4.00 LPA
28.	19TE0079	Dhivyadarshni .V	CTS	4.00 LPA
29.	19TE0089	Hariharan .S	CTS	4.00 LPA
30.	19TE0098	Jagan .P	CTS	4.00 LPA
31.	19TE0102	JensyAlbiya .A.J	CTS	4.00 LPA
32.	19TE0111	Lokeswari .G	CTS	4.00 LPA
33.	19TE0130	Sanchuna .S	CTS	4.00 LPA
34.	19TEL002	Dhanush .N	CTS	4.00 LPA
35.	19TE0077	Dhilipkumar.S	L& T	4.00 LPA
36.	19TE0051	Abdul Razaak .A	TCS- PEGA	3.86 LPA
37.	19TE0089	Hariharan .S	TCS- PEGA	3.86 LPA
38.	19TE0139	Sowmya .S	Godrej	3.50 LPA
39.	19TE0056	Anand .M.V	TCS	3.36 LPA
40.	19TE0058	Annamalai .E	TCS	3.36 LPA
41.	19TE0064	Arthi .A	TCS	3.36 LPA
42.	19TE0066	Arunachalam	TCS	3.36 LPA
43.	19TE0068	Asma begam .M	TCS	3.36 LPA
44.	19TE0071	BomidiPujitha	TCS	3.36 LPA
45.	19TE0076	Devanathan .J	TCS	3.36 LPA
46.	19TE0079	Dhivyadarshni .V	TCS	3.36 LPA
47.	19TE0080	Dileepprasath .K	TCS	3.36 LPA
48.	19TE0084	Gokulraj .N	TCS	3.36 LPA
49.	19TE0085	Gokul .S	TCS	3.36 LPA
50.	19TE0087	Gugan .M	TCS	3.36 LPA
51.	19TE0090	Hariprasad .K	TCS	3.36 LPA
52.	19TE0102	JensyAlbiya .A.J	TCS	3.36 LPA
53.	19TE0107	Kishore .D	TCS	3.36 LPA
54.	19TE0111	Lokeswari .G	TCS	3.36 LPA
55.	19TE0119	OumarGouru .O	TCS	3.36 LPA
56.	19TE0124	Priyenga .E	TCS	3.36 LPA
57.	19TE0125	Rajarajan .D	TCS	3.36 LPA
58.	19TE0137	Sivabalan .S	TCS	3.36 LPA
59.	19TE0140	Sunil Kumar .M	TCS	3.36 LPA
60.	19TE0142	Suryaprakash .P	TCS	3.36 LPA
61.	19TE0143	ThamaraiSelvan .S	TCS	3.36 LPA
62.	19TE0154	Yogesh .A	TCS	3.36 LPA
63.	19TE0088	Gunavathi .S	CSS CORP	3.20 LPA
64.	19TE0078	Dhineshe .S	Avalon	3.00 LPA
65.	19TE0112	Meshach E	Avalon	3.00 LPA
66.	19TE0131	Sanjay .M	Avalon	3.00 LPA
67.	19TE0138	Sivaraman .P	Avalon	3.00 LPA
68.	19TE0095	IsrakHussain .S	Just Dial	3.00 LPA
69.	19TE0113	Mohamed Fawaz .Y	Just Dial	3.00 LPA
70.	19TE0115	Narendiran .A	Just Dial	3.00 LPA
71.	19TE0053	Akash .S	MSI	2.50 LPA
72.	19TE0077	Dhilipkumar.S	MSI	2.50 LPA

73.	19TE0083	Gogularaj .V	MSI	2.50 LPA
74.	19TE0091	Harish .A	MSI	2.50 LPA
75.	19TE0095	IsrakHussain .S	MSI	2.50 LPA
76.	19TE0100	Jawahar .G	MSI	2.50 LPA
77.	19TE0108	Kumaran.s	MSI	2.50 LPA
78.	19TE0132	Sanjay .M	MSI	2.50 LPA
79.	19TE0144	Tamizhselvan .G	MSI	2.50 LPA
80.	19TE0145	Thamizhselvan .V	MSI	2.50 LPA
81.	19TE0149	Vasanthakumar. R	MSI	2.50 LPA
82.	19TE0150	Vetri Vel .V	MSI	2.50 LPA
83.	19TE0152	Vignesh .K	MSI	2.50 LPA
84.	19TE0095	IsrakHussain .S	DRA	2.50 LPA
85.	19TE0113	Mohamed Fawaz .Y	Abishowa	2.50 LPA
86.	19TE0126	Rajmugilan .R	DR. AXION	2.50 LPA
87.	19TE0153	Vigneshwaran .V	DR. AXION	2.50 LPA
88.	19TE0115	Narendiran .A	Shree Abirami Engineering Works	2.50 LPA
89.	19TE0133	Saravanakrishnan .V	Shree Abirami Engineering Works	2.50 LPA
90.	19TE0135	Sharan .S	Shree Abirami Engineering Works	2.50 LPA
91.	19TE0156	Yogeshwar .S	Shree Abirami Engineering Works	2.50 LPA
92.	19TE0057	Anjana .V	Integra	2.50 LPA
93.	19TE0059	Aravind .G	Integra	2.50 LPA
94.	19TE0093	Hemalatha .V	Integra	2.50 LPA
95.	19TE0094	Hemamaalan .C	Integra	2.50 LPA
96.	19TE0105	Kiruthiga .C	Integra	2.50 LPA
97.	19TE0106	Kishor.G	Integra	2.50 LPA
98.	19TE0117	Nivethitha .R	Integra	2.50 LPA
99.	19TE0122	Pravin .M	Integra	2.50 LPA
100.	19TE0136	Sindhuja .K	Integra	2.50 LPA
101.	19TE0141	Surendar .G	Integra	2.50 LPA
102.	19TE0145	Thamizhselvan .V	Integra	2.50 LPA
103.	19TE0146	Thanyasri .S.K	Integra	2.50 LPA
104.	19TE0147	Thirumaniraj .P	Integra	2.50 LPA
105.	19TE0113	Mohamed Fawaz .Y	Star Engineering	2.50 LPA
106.	19TE0106	Kishor.G	DR. AXION	2.50 LPA
107.	19TE0122	Pravin .M	DR. AXION	2.50 LPA
108.	19TE0126	Rajmugilan .R	DR. AXION	2.50 LPA
109.	19TE0133	Saravanakrishnan .V	DR. AXION	2.50 LPA
110.	19TE0153	Vigneshwaran .V	DR. AXION	2.50 LPA
111.	19TE0059	Aravind .G	Pentagon	2.50 LPA
112.	19TE0126	Rajmugilan .R	Pentagon	2.50 LPA
113.	19TE0155	Yogesh .R	Pentagon	2.50 LPA

### 7.2 Higher Studies

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

### 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	S.Dhilipkumar A.Rasin	Smart India Hackathon 2023 29.08.2022	AICTE & Ministry of Education's Innovation Cell	Winner / Won 1 lakh Cash prize
2	M.Savitha M.S.Swathy M.Keerthiga T.Raghul	CII innovation contest 2022 19.10.2022	ATAL Incubation center Pondicherry Engineering College	Shortlisted for Stage II
3	Bomidi Pujitha A.J.Jensy Albiya G.Lokeswari	CII innovation contest 2022 19.10.2022	ATAL Incubation center Pondicherry Engineering College	Shortlisted for Stage II
4	P.Mohanraj B.Mohanrajaji, G.Yogesh K.Sedhuram P.Kirubagaran	MITILENCE 2023 24.03.2023	Manakula Vinayagar Institute of Technology	First Prize in paper Presentation
5	P.Mohanraj B.Mohanrajaji, G.Yogesh K.Sedhuram P.Kirubagaran	MITILENCE 2023 24.03.2023	Manakula Vinayagar Institute of Technology	Second Prize technical quiz

6	K.Jothikrishnan S.Sai Siddarth S.Sridhasannambi	Circuit Digest contest 2022	Ediy Labs	Best Project Award
7	P.Karthikeyan G.D.Gautham A.Devanathan E.Santhana Krishnan	Circuit Digest contest 2022	Ediy Labs	Best Project Award
8	V.Soniya S.Vijayalakshmi A.Priyadarshini G.Vinisha Laxmi	Circuit Digest contest 2022	Ediy Labs	Most Social Media Liked Project

## 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	Dr. D. Raja	Reviewer for Journal of the International Measurement Confederation
3	Dr. D. Raja	Reviewer for International Journal of Fuzzy Systems
4	Dr. S. Ganeshkumaran	Reviewer for Renewable & Sustainable energy reviews
5	Mr. K. Thangaraj	Reviewer for Heliyon
6	Mr. K. Thangaraj	Reviewer for Walailak Journal of Science and Technology (Scopus Indexed Journal)
7	Mr. K. Thangaraj	Reviewer for Journal of Education

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

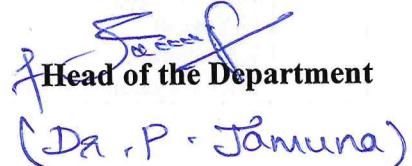
Sl.No	Name of the Faculty	Name of the Awards /Recognition
1.	Dr. D. Raja	“Best Teacher Award” / honored with Memento by Sri Manakula Vinayagar Engineering College.
2.	Dr. P. Jamuna	15+ years of service in SMVEC
3.	Dr. D. Raja	15+ years of service in SMVEC
4.	Mr. K. Thangaraj	10+ years of service in SMVEC

## 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.D.Raja	Smart Grid: Basics To Advanced Technologies - NPTEL	Jan 2023 – April 2023 12 Weeks
2	Dr.P.Jamuna	Smart Grid: Basics To Advanced Technologies - NPTEL	Jan 2023 – April 2023 12 Weeks
3	Mr.J.Muruganandham	Non-Conventional Energy Resources - NPTEL	Jan 2023 – April 2023 12 Weeks
4	Mr.I.Shivasankkar	Non-Conventional Energy Resources - NPTEL	Jan 2023 – April 2023 12 Weeks

### 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)

**Recommendations:**

Section	Remarks
Curricular Aspects	Supporting Documents need to be maintained for Physical Education
Teaching, Learning and Evaluation	Need to arrange more workshops.
Structured Feedback	-
Research, Innovation and Publications	-
Collaborations and Linkages	-
Student Progression	-
Activity Conducted / Organized by the Department	-
Achievements	Faculty participation in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences has to 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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**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**

**DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION  
ENGINEERING**





**ACADEMIC AND ADMINISTRATIVE AUDIT**

(Academic Year: 2022-2023)

Internal Audit

**SECTION –1 : BASIC INFORMATION**

Audit Date	19.1.2023																																																														
Name of the Department	Electronics and Communication Engineering																																																														
Year of Establishment	1999																																																														
Programme Offered	<table border="1"> <thead> <tr> <th>Name of the Courses</th> <th>Approved Intake</th> </tr> </thead> <tbody> <tr> <td>B. Tech –Electronics and Communication Engineering</td> <td>240</td> </tr> <tr> <td>M. Tech- Electronics and Communication Engineering</td> <td>24</td> </tr> <tr> <td>M. Tech-VLSI &amp; ES</td> <td>24</td> </tr> </tbody> </table>			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																																																				
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Head of the Department	Dr.P.Raja																																																														
Number of full time Teachers	Professor	5																																																													
	Associate Professor	09																																																													
	Assistant Professor	42																																																													
Number of Technical Staff	11																																																														
Number of Students	<table border="1"> <thead> <tr> <th colspan="2">For B.Tech:</th> <th colspan="3">For M.Tech:</th> </tr> <tr> <th>Year</th> <th>Strength</th> <th>Year</th> <th>Courses</th> <th>Strength</th> </tr> </thead> <tbody> <tr> <td>First Year</td> <td>237</td> <td>First</td> <td>ECE</td> <td>02 01</td> </tr> <tr> <td>Second Year</td> <td>226</td> <td>Year</td> <td>VLSI&amp;ES</td> <td>05</td> </tr> <tr> <td>Third Year</td> <td>217</td> <td>Second</td> <td>ECE</td> <td>Nil</td> </tr> <tr> <td>Fourth Year</td> <td>210</td> <td>Year</td> <td>VLSI&amp;ES</td> <td>01</td> </tr> <tr> <td>Total</td> <td>890</td> <td></td> <td>Total</td> <td>09</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td colspan="2">For PhD:</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Year</td> <td>Courses</td> </tr> <tr> <td></td> <td></td> <td></td> <td>First Year</td> <td>ECE</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Total</td> <td>05 01</td> </tr> </tbody> </table>			For B.Tech:		For M.Tech:			Year	Strength	Year	Courses	Strength	First Year	237	First	ECE	02 01	Second Year	226	Year	VLSI&ES	05	Third Year	217	Second	ECE	Nil	Fourth Year	210	Year	VLSI&ES	01	Total	890		Total	09									For PhD:					Year	Courses				First Year	ECE				Total	05 01
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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	Course Design and Revision	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	Course Design and Revision	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	Course Design and Revision	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	Course Design and Revision	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	Course Design and Revision	1. Real Time Systems 2. Hardware Software Co Design 3. Electronics Product Design And Packaging 4. Iot And Its Application 5. Electronics Measurements And Instrumentation 6. Analog & Digital Communication System 7. Communication Systems LaboratoryCommunication Systems 8. Communication Systems Laboratory	II/IV
6	Dr. D. Jagadeeswary	Course Design and Revision	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	IV/VII Professional Electives

			Digital Image Processing	
7	Mr.P. Arunagiri	Course Design and Revision	1. Analog Electronics Circuits 2. Analog Electronics Circuits Lab 3. Linear Integrated Circuits 4. Linear Integrated Circuits Laboratory  PLC And SCADA Systems And Its Applications	II/IV III/V Professional Elective
8	Dr. S. B. Lenin	Course Design and Revision	1. Robotics And Control 2. Low Power VLSI Design 3. Nano Electronics And Devices 4. Fuzzy Logic And Neural Networks  VLSI For Wireless Communication	Professional Elective
9	Mrs.S.Jayanthi	Course Design and Revision	1. Circuits And Networks 2. Signals And Systems 3. Computer Networks  Network Theory	II/III II/IV
10	Mrs.V. Logeswary	Course Design and Revision	1. Hardware Description Languages 2. Low Power VLSI Design Cad For VLSI Circuits	Professional Elective
11	Mrs.M.Julie Therese	Course Design and Revision	1. Industry 4.0 Technology Scientific Computing	Professional Elective
12	Mr.J.Soundararajan	Course Design and Revision	1. Sensors For Industrial Applications Consumer Electronics	Professional Elective
13	Mr.K.Uthayasuriyan	Course Design and Revision	Control Systems	III/VI
14	Mr.K.Vijayakumar	Course Design and Revision	1. Microcontroller Microcontroller Laboratory	III/V
15	Mr.S.Pushparaj	Course Design and Revision	1. Cad For VLSI Circuits Biomedical Electronics	Professional Elective
16	Mr. C. Sridhar	Course Design and Revision	1. Digital VLSI System Design VLSI Design Laboratory	III/VI
17	Dr.J.Predeep	Course Design and Revision	1. Computer Architecture 2. Information Theory And Coding 3. Speech And Audio Signal Processing 4. Biomedical Signal Processing 5. Adaptive Signal Processing Advanced Digital Image Processing	Professional Elective

**M.Tech Electronics and Communication Engineering  
Regulation (2020)**

S.No	Name of the Faculty	Participated as	Course	Year / Sem
1	Dr.V.Bharathi	Course Design and Revision	1. Advanced Digital Communication 2. Wireless and Mobile Communication Lab 3. Wireless Sensor Networks 4. Image Processing and Recognition 5. Modeling and Simulation of Wireless Communication Systems Video & Image processing Development System	I/I I/II PROFESSIONAL ELECTIVE
2	Dr.R.Ramya	Course Design and Revision	1. Embedded System Design 2. Millimeter Wave Communication Networks 3. Artificial Intelligence 4. Information and Network Security 5. Markov Chains and Queuing Systems	I/I I/II PROFESSIONAL ELECTIVE

			6. RF and Microwave Circuit Design	
3	Dr. J.Pradeep	Course Design and Revision	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 6. Internet of Things	I/I I/II PROFESSIONAL ELECTIVE
4	Dr. R.Kurunjimalar	Course Design and Revision	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	Course Design and Revision	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 Cognitive Radio Technology	PROFESSIONAL ELECTIVE
6	Prof. R. Ilaiyaraaja	Course Design and Revision	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 Embedded Real Time System	PROFESSIONAL ELECTIVE
7	Prof.Egalite Francis	Course Design and Revision	Advanced Engineering Mathematics	I/I
8	Dr.D.Jaichithra	Course Design and Revision	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	I/I AUDIT COURSES
9	Mr. Dharanidharan. G	Course Design and Revision	1. Research Methodology and IPR 2. Disaster Management 3. Constitution of India 4. Pedagogy Studi	I/I AUDIT COURSES

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

S . N o	Name of the Faculty	Participated as	Course	Year / Sem
1	Dr.V.Bharathi	Course Design and Revision	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	Course Design and Revision	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	Course Design and Revision	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	Course Design and Revision	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	Course Design and Revision	1. VLSI Architecture 2. CAD for VLSI Circuits 3. Design of Analog and Mixed VLSI Circuits 4. Pervasive Devices and Technology 5. Robotics and Automation 6. System-on-Chip Design	PROFESSIONAL ELECTIVE
6	Prof. R. Ilaiyaraaja	Course Design and Revision	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	Course Design and Revision	Applied Mathematics	I/I
8	Dr.D.Jaichithra	Course Design and Revision	1. Technical Report Writing and Seminar 2. Seminar on ICT a hands on approach	I/I AUDIT COURSES
9	Mr. Dharanidharan. G	Course Design and Revision	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	II/IV	Computer Networks	U20ECE401	59
2	II/IV	Computer Architecture	U20ECE404	56
3	II/IV	Sensors for Industrial Applications	U20ECE402	59
4	II/IV	PLC and SCADA Systems and its Applications	U20ECE405	52
5	IV/VII	CAD for VLSI Circuits	U19ECE71	32
6	IV/VII	Fuzzy logic and Neural Network	U19ECE73	58
7	IV/VII	Satellite Communication	U19ECE72	63
8	IV/VII	Wireless Sensor Networks	U19ECE75	59
9	IV/VII	Machine Learning for Wireless Communication	U19ECE81	103
10	IV/VII	Real Time Systems	U19ECE84	54
11	IV/VII	VLSI for Communication Systems	U19ECE80	53

### 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	II/IV	R programming	U20ITO402	107	II/IV
2	II/IV	Web Development	U20CSO401	60	II/IV
3	II/IV	Basic DBMS	U20CCO401	60	II/IV
4	IV/VII	Artificial Intelligence Applications	U19ADO74	62	IV/VII

### 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/IV	Skill Development Course 4 Repair and Maintainence of Electronic Equipments	U20ECS302	226

### 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	CCNA (Routing and Switching)	U20ECC226	237
2	II / IV	CCNA (Wireless)	U20ECC427	42
3		Cloud Computing	U20ECC428	78
4		Cyber Security	U20ECC432	106

## 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	237
2	II/IV	NCC/NSS	U20ECM404	226

## SECTION –3: TEACHING, LEARNING AND EVALUATION

### 3.1 Course Delivery

Semester : VII/ (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	Millimeter and Optical Wave Communication / U19ECT71	A	Dr. N. Saranya	45	45	48
		B	Dr. P. Arunagiri			45
		C	Mr.V.M.Navaneethakrishnan			45
2	Internet of Things / U19ECT72	A	Dr. S. B. Lenin	45	45	48
		B	Dr.R.Vijayarani			48
		C	Mrs.G.Vasumathi			47
3	Satellite Communication / U19ECE72	A	Mr.J. Soundararajan	45	45	48
	Fuzzy logic and Neural Network/U19ECE73	B	Mrs.R. Gayathri			45
	Wireless Sensor Networks/U19ECE75	C	Dr. J. Pradeep			45
	CAD for VLSI Circuits/ U19ECE71	D	Ms.R. Priya			45
4	Industrial Automation	A	Dr.R.Vijayarani	45	45	46
	Artificial Intelligence Applications	B	Ms.T.Geethalakshmi			48
	Data Science using python	C	Mrs.R.V.Nalina			48
	Hybrid and Electrical Vehicle	D	Mr.S.Ganesan			46
5	Business Basics for Entrepreneur	A	Mr.R.Anbarasan	45	45	48
		B	Mr.A.Mathiazhagan			
		C	Dr.S.Pougajendy			
7	High Frequency Communication Laboratory /U20ECP507	A	Dr. N. Saranya			30
		B	Dr. P. Arunagiri			30
		C	Mr.V.M.Navaneethakrishnan			30
8	Internet of Things	A	Dr. S. B. Lenin	30	30	30

	Laboratory /U20ECP508	B	Dr.R.Vijayarani			30
		C	Mrs.G.Vasumathi			30
9	Comprehensive Viva Voce	A	Mrs.R. Gayathri	30	30	30
		B	Mrs. P. Srividdhya			30
		C	Dr. R. Ramya			30
10	Project Phase – I	A	Dr.R.Kurinjimalar	30	30	30
		B	Dr. N. Jothy			
		C	Dr. N. Saranya			

Semester : II/ (2021-2025)

S.N o	Name of the Course / Code	Sect ion	Name of the Faculty	No. of Lectur es / Practic al hours as per syllabu s	No. of Lectures / Practica l hours as per Lesson Plan	No. of Lectures / Practical hours conducte d
1	Engineering Mathematics-II (Multiple Integrals and Transforms)/ U20BST215	A	Mr.R. Rajesh	60	60	62
		B	Mr.R. Rajesh			
		C	Mr.R. Rajesh			
		D	Ms.M.Guna			
2	Engineering Mechanics / U20EST219	A	Dr.L.Martin	60	60	68
		B	Mr.P.Jayakumar			
		C	Dr.L.Martin			
		D	Mr.P.Jayakumar			
3	Electrical Engineering/ U20EST239	A	Ms. K.Kavinelavu	45	45	50
		B	Mr.S.Elanthamizh			
		C	Mr.S.Elanthamizh			
		D	Ms. K.Kavinelavu			
4	Electronic Measurements and Instrumentation/ U20EST240	A	Mrs.P.Srividdhya	45	45	48
		B	Mrs.V. Logisvary			
		C	Dr.A.Jayachitra V. M.			
		D	Dr. P. Arunagiri			
5	Network Theory / U20ECT201	A	Dr. R. Kurinjimalar	60	60	66
		B	Dr.A.Jayachitra			
		C	Navaneethakrishnan			
		D	Mrs. V. Logisvary			
6	Electron Devices/ U20ECT202	A	Mr.S.Yuvaraj	45	45	48
		B	Mrs.S. Jayanthi			
		C	Mr.P. Mahendra Peruman			
		D	Dr. R. Vijayarani			
7	Electric Circuits	A	Ms. K.Kavinelavu	30	30	33

	Laboratory/ U20ESP240	B	Dr.A.Jayachitra			
		C	Mr.S.Elanthamizh			
		D	Ms. K.Kavinelavu			
7	Electron Devices Laboratory/ U20ECP201	A	Mr.S.Yuvaraj	30	30	33
		B	Mrs.S. Jayanthi			
		C	Mr.P. Mahendra Peruman			
		D	Dr. R. Vijayarani			
8	Electronics Engineering Practices/ U20ECP202	A	Dr. R. Kurinjimalar	30	30	33
		B	Mr.S.Elanthamizh			
		C	Mrs.S.Siva sankari			
		D	Mrs. V. Logisvary			

Semester : IV/(2020-2024)

S.N o	Name of the Course / Code	Section	Name of the Faculty	No. of Lectur es / Practic al hours as per syllabu s	No. of Lectures / Practica l hours as per Lesson Plan	No. of Lectures / Practica l hours conduct ed
1	Probability and Random Processes / U20BST431	A	Dr.B.Kanimozhi	60	60	63
		B	Dr.B.Kanimozhi			66
		C	Mrs.S.P.Lavanya			68
2	Programming in JAVA/ U20EST467	A	Ms.R. Priya	45	45	48
		B	Mrs.R. Gayathri			48
		C	Ms.M.Indhumathi			48
3	Analog and Digital Communication Systems / U20ECT407	A	Mr. R. Kalaiyarasan	45	45	48
		B	Mr.K.Jambulingam			48
		C	Dr. R. Ramya			48
4	Linear Integrated Circuits / U20ECT408 L	A	Dr. P.Raja	45	45	48
		B	Mr.S. Mohanram			48
		C	Mr.B. Ganesamoorthy			48
5	Computer Networks	A	Ms. C. Janani	45	45	48
	Sensors for Industrial Applications	B	Dr. Vankayala Chethan Prakash			48
	Computer Architecture	C	Dr. R. Kurinjimalar			48
	PLC and SCADA Systems and its Applications	D	Dr. R. Vijayarani			48
6	Web Development	A	Mr.R.Ramachandiran	45	45	48
	Basic DBMS	B	Ms.S.Keerthana			48
	R programming	C	Mr.T.Periyasamy(A)			48
		D	Ms.K.Poornambigai(B)			48
7	General Proficiency - II / U20HSP402	A	Mrs.K.Madhanavathi	30	30	30
		B	Mrs.K.Mathanavathi			30

		C	Mrs.K.Mathanavathi			30
8	Programming in JAVA Laboratory/ U20ESP468	A	Ms. R. Priya	30	30	30
		B	Ms.R. Priya			30
		C	Mrs.M.Indhumathi			30
9	Communication Systems Laboratory/ U20ECP405	A	Mr.R. Kalaiyarasan	30	30	30
		B	Mr.K.Jambulingam			30
		C	Dr. R. Ramya			30
10	Linear Integrated Circuits Laboratory / U20ECP406	A	Mrs.S.Siva sankari	30	30	30
		B	Mr.S. Mohanram			
		C	Mr.B. Ganesamoorthy			

### 3.2 Use of ICT Tools in Teaching Learning

Semester : VII/ (2019-2023)

S.No	Section	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	A	Dr. N. Saranya	Millimeter and Optical Wave Communication/ U19ECT71	Power Point Presentation
	B	Dr. P. Arunagiri		
	C	Mr.V.M.Navaneethakrishnan		
2	A	Dr. S. B. Lenin	Internet of Things/ U19ECT72	Power Point Presentation
	B	Dr.R.Vijayarani		
	C	Mrs.G.Vasumathi		
3	A	Mr. J. Soundararajan	Satellite Communication/ U19ECE72	Power Point Presentation
	B	Mr. J. Soundararajan		
	C	Mr. J. Soundararajan		
4	A	Mrs. R. Gayathri	Fuzzy logic and Neural Network/ U19ECE73	Power Point Presentation
	B	Mrs. R. Gayathri		
	C	Mrs. R. Gayathri		
5	A	Dr. J. Pradeep	Wireless Sensor Networks/ U19ECE75	Video Lecture
	B			
	C			
6	A	Ms.R. Priya	CAD for VLSI Circuits/ U19ECE71	Power Point Presentation
	B			
	C			
7	A	Dr.R.Vijayarani	Industrial Automation/ U19ICO75	Power Point Presentation
	B	Dr.R.Vijayarani		
	C	Dr.R.Vijayarani		
8	A	Ms.T.Geethalakshmi	Artificial Intelligence Applications/ U19ADO74	Power Point Presentation
	B	Ms.T.Geethalakshmi		
	C	Ms.T.Geethalakshmi		
9	A	Mrs.R.V.Nalina	Data Science using python/ U19CCO75	Power Point Presentation
	B	Mrs.R.V.Nalina		
	C	Mrs.R.V.Nalina		
10	A	Mr.S.Ganesan	Hybrid and Electrical Vehicle/ U19EEO75	Video Lecture
	B			
	C			
11	A	Mr.A.Mathiazhagan	Business Basics for Entrepreneur / U19ECP71	Power Point Presentation
	B	Dr.S.Pougajendy		
	C	Mr.R.Anbarasan		
12	A	Dr. N. Saranya	High Frequency Communication Laboratory / U19ECP72	Power Point Presentation
	B	Dr. P. Arunagiri		

	C	Mr.V.M.Navaneethakrishnan		
13	A	Dr. S. B. Lenin	Internet of Things Laboratory / U19ECP73	Virtual Lab
	B	Dr.R.Vijayarani		
	C	Mrs.G.Vasumathi		
14	A	Mr.J.Soundararajan	Comprehensive Viva Voce / U19ECP74	Video Lecture
	B	Mr.V.M.Navaneethakrishnan		
	C	Mrs.R. Gayathri		
15	A	Dr.R.Kurinjimalar	Project Phase – I / U19ECW71	Power Point Presentation
	B	Dr. N. Jothy		
	C	Dr. N. Saranya		

Semester : II/ (2021-2025)

S.No	Section	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	A	Mr.R. Rajesh	Engineering Mathematics-II (Multiple Integrals and Transforms) /U20BST215	Digital Board
	B	Mr.R. Rajesh		
	C	Mr.R. Rajesh		
	D	Ms.M.Guna		
2	A	Dr.L.Martin	Engineering Mechanics / U20EST219	Power Point Presentation
	B	Mr.P.Jayakumar		
	C	Dr.L.Martin		
	D	Mr.P.Jayakumar		
3	A	Ms. K.Kavinelavu	Electrical Engineering / U20EST239	Power Point Presentation
	B	Mr.S.Elanthamizh		
	C	Mr.S.Elanthamizh		
	D	Ms. K.Kavinelavu		
4	A	Mrs.P.Srividdhya	Electronic Measurements and Instrumentation / U20EST240	Power Point Presentation
	B	Ms.A.Krishnalakshmi		
	C	Ms.N.Sasikala		
	D	Mr.R.Illaiyaraaja		
5	A	Dr. R. Kurinjimalar	Network Theory / U20ECT201	Digital Board
	B	Dr.A.Jayachitra		
	C	Dr.N.Jothy		
	D	Mrs. V. Logisvary		
6	A	Ms.C.Janani	Electron Devices / U20ECT202	Power Point Presentation
	B	Mrs.S. Jayanthi		
	C	Mr.P. Mahendra Peruman		
	D	Dr. R. Vijayarani		
7	A	Ms. K.Kavinelavu	Electrical Engineering Laboratory/ U20ESP240	Video Lecture
	B	Mr.S.Elanthamizh		
	C	Mr.S.Elanthamizh		
	D	Ms. K.Kavinelavu		
8	A	Ms.C.Janani	Electron Devices Laboratory / U20ECP201	Video Lecture
	B	Mrs.S. Jayanthi		
	C	Mr.P. Mahendra Peruman		
	D	Dr. R. Vijayarani		
9	A	Dr. R. Kurinjimalar Mrs.D.Megalajothi	Electronics Engineering Practices / U20ECP202	Video Lecture
	B	Dr.A.Jayachitra		

		Mrs.A.Thendral		
	C	Mrs.S.Siva sankari		
	D	Dr.N.Jothy		
10	A	Ms.C.Janani	Certification Course - II** Python Programming / U20ECC274	Power Point Presentation
	B	Mrs.S. Jayanthi		
	C	Mr.P. Mahendra Peruman		
	D	Dr. R. Vijayarani		
11	A	Ms.C.Janani	Environmental Science / U20ECM202	Power Point Presentation
	B	Mrs.S. Jayanthi		
	C	Mr.P. Mahendra Peruman		
	D	Dr. R. Vijayarani		

Semester: IV/ (2020-2024)

S.No	Section	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	A	Dr.B.Kanimozhi	Probability and Random Processes / U20BST431	Digital Board
	B	Dr.B.Kanimozhi		
	C	Mrs.S.P.Lavanya		
2	A	Ms.R. Priya	Programming in JAVA/ U20EST467	Power Point Presentation
	B	Mrs.D.Tamilselvi		
	C	Ms.M.Indhumathi		
3	A	Mr. R. Kalaiyaran	Analog and Digital Communication Systems/ U20ECT407	Power Point Presentation
	B	Mr.K.Jambulingam		
	C	Dr. R. Ramya		
4	A	Dr. P.Raja	Linear Integrated Circuits/ U20ECT408	Digital Board
	B	Mr.S.Mohanram		
	C	Mr.B. Ganesamoorthy		
5	A	Ms. C. Janani	Professional Elective - II# Computer Networks/ U20ECE401	Power Point Presentation
		Dr. Vankayala Chethan Prakash	Sensors for Industrial Applications/ U20ECE402	
		Ms.R.Srividhya	Computer Architecture/ U20ECE403	
		Ms.G.Thamizh Amizhdhu	PLC and SCADA Systems and its Applications/ U20ECE404	
6	A	Mr.R.Ramachandiran	Open Elective-II\$ Web Development/ U20CSO401	Power Point Presentation
		Ms.S.Keerthana	Basic DBMS/ U20CCO401	
		Mr.T.Periyasamy(A) Ms.K.Poornambigai(B)	R programming/ U20ITO402	
7	A	Ms. R. Priya	Programming in JAVA Laboratory/ U20ESP468	Virtual Lab
	B	Ms.G.Thamizh Amizhdhu		
	C	Mrs.M.Indhumathi		
8	A	Mr.R. Kalaiyaran	Communication Systems Laboratory/ U20ECP405	Video Lecture
	B	Mr.K.Jambulingam		
	C	Dr. R. Ramya		
9	A	Ms.K.Srinandhini	Linear Integrated Circuits Laboratory/ U20ECP406	Video Lecture
	B	Mr.S. Mohanram		
	C	Mr.B. Ganesamoorthy		

10	A	Mrs.K.Mathanavathi	General Proficiency- II/ U20HSP402	Power Point Presentation
	B	Mrs.K.Mathanavathi		
	C	Mrs.K.Mathanavathi		
11	A	Mrs.R.Augastiny	Skill Development Course 3 : Repair and Maintenance of Electronics Equipment / U20ECS403	Power Point Presentation
	B	Mrs.R.Augastiny		
	C	Mrs.R.Augastiny		
12	A	Mr.S.Ganesan	NCC/NSS/ U20ECM404	Power Point Presentation
	B	Mr.S.Ganesan		
	C	Mr.S.Ganesan		

**Semester : II (M.TECH – VLSI & ES)/(2021-2023)**

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mrs.P.Srividdhya	Advanced Digital System Design/ P20VET204	Digital Board
2	Ms.R.Srividhya	Embedded Networking/ P20VET205	Power Point Presentation
3	Mr.K.Jambulingam	Embedded System design/ P20VET206	Power Point Presentation
4	Dr.R.Subramaniyan	Low Power Digital VLSI Design/ P20VET207	Power Point Presentation
5	Dr.S.B.Lenin	Internet of Things / P20VEE210	Power Point Presentation
6	Mrs.A.Thendral	Industrial Automation using PLC and SCADA/ P20VEE212	Power Point Presentation
7	Mrs.D.Tamilselvi	Embedded System Design Laboratory/ P20VEP202	Virtual Lab
8	Mr.M.Rajaparthiban	Seminar on ICT a hand on approach/ P20CCP202	Power Point Presentation
9	Dr. P. Arunagiri	Constitution of India/ P20ACTX05	Power Point Presentation

**Semester : II (M.TECH – ECE) /(2021-2023)**

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mrs. P. Srividdhya	Advanced Digital System Design/ P20VET204	Digital Board
2	Dr.S.Dhivya	Digital Image and Video Processing/ P20ECT205	Power Point Presentation
3	Dr.N.Jothy	Modelling and Simulation Techniques/ P20ECT206	Power Point Presentation
4	Dr.R.Ramya	Millimeter Wave Communication Networks/ P20ECT207	Power Point Presentation
5	Ms.B.Menaga	High performance communication Networks/ P20ECE210	Power Point Presentation
6	Mr.J.Soundararajan	Mobile communication systems/ P20ECE214	Power Point Presentation
7	Dr.S.Dhivya	Digital Image and Video Processing lab/ P20ECP202	Virtual Lab
8	Dr. R. Kurinjimalar	Seminar on ICT-a hands on approach/ P20CCP202	Power Point Presentation

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

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr.N.Saranya	Project Phase-II/ P20ECW403	Power Point Presentation

Semester : IV(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.S.B.Lenin	Project Phase-II/ P20ECW403	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
-	--	-	-	-

**3.3 Activities for Slow and Advanced Learners**

Semester : VII /(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	Millimeter and Optical Wave Communication / U19EC T71	A	Dr. N. Saranya	Yes	2	Yes
		B	Dr. P. Arunagiri		3	Yes
		C	Mr.V.M.Navaneethakrishnan		2	Yes
2	Internet of Things / U19ECT72	A	Dr. S. B. Lenin	Yes	3	Yes
		B	Dr.R.Vijayarani		2	Yes
		C	Mrs.G.Vasumathi		2	Yes
3	Professional Elective-III Satellite Communication/ U19ECE72	A	Mr.J. Soundararajan	Yes	3	Yes
		B			2	Yes
		C			2	Yes
	Fuzzy logic and Neural Network/ U19ECE73	A	Mrs.R. Gayathri	Yes	2	Yes
		B				
		C				
4	Wireless Sensor Networks/ U19ECE75	A	Dr. J. Pradeep	Yes	3	Yes
		B			3	Yes
		C			2	Yes
	CAD for VLSI Circuits/ U19ECE71	A	Ms.R. Priya	Yes	3	Yes
		B			3	Yes
		C			2	Yes
4	Industrial Automation/ U19ICO75	A	Dr.R.Vijayarani	Yes	3	Yes
		B				
		C				
	Artificial Intelligence Applications/ U19ADO74	A	Ms.T.Geethalakshmi	Yes	2	Yes
		B				
		C				

	Data Science using python/ U19CCO75	A	Mrs.R.V.Nalina	Yes	2	Yes
		B				
		C				
	Hybrid and Electrical Vehicle/ U19EE075	A	Mr.S.Ganesan	Yes	3	Yes
		B				
		C				

**Semester : II/ (2021-2025)**

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. T. Shankar	Yes	2	Yes
		B	Mr. K. Ganesan		3	Yes
		C	Mr.M. Egalite Francis		2	Yes
2	Engineering Mechanics / U20EST219	A	Dr.M.Elangovan	Yes	3	Yes
		B	Dr.M.Elangovan		2	Yes
		C	Mr. P.Jayakumar		2	Yes
3	Electrical Engineering / U20EST239	A	Dr.M.Jayachandran	Yes	3	Yes
		B	Ms.R. Arthy		2	Yes
		C	Ms.R.Suruthi		2	Yes
4	Electronic Measurements and Instrumentation / U20EST240	A	Dr. A. Jayachitra	Yes	3	Yes
		B	Dr. S. Dhivya		3	Yes
		C	Mrs.V. Logisvary		2	Yes
5	Network Theory / U20ECT201	A	Dr. R. Kurinjimalar	Yes	2	Yes
		B	Mrs. S. Jayanthi		3	Yes
		C	Mr. P. Mahendra Peruman		2	Yes
6	Electron Devices / U20ECT202	A	Ms.C. Janani	Yes	2	Yes
		B	Mr. S. Mohanram		3	Yes
		C	Mr.B. Ganesamoorthy		3	Yes

**Semester : IV/(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	Probability and Random Processes/ U20BST431	A	Mr.R. Vijayakumar	Yes	2	Yes
		B	Mr.M. Egalite Francis		3	Yes
		C	Mr.K.Ganesan		2	Yes
2	Programming in JAVA / U20EST467	A	Mrs.V.Gomathi	Yes	3	Yes
		B	Mr.M.Gopinath		2	Yes
		C	Mrs.M.P.Ruby		2	Yes
3	Analog and Digital Communication Systems/ U20ECT407	A	Dr. R. Subramaniyan	Yes	3	Yes
		B	Dr. R. Ramya		2	Yes
		C	Mr.R. Kalaiyarasan		2	Yes
4	Linear Integrated Circuits /	A	Dr. S. Ashok kumar	Yes	3	Yes

	U20ECT408	B	Mrs.P. Srividdhya		3	Yes
		C	Dr. N. Jothy		2	Yes
5	Professional Computer Networks/ U20ECE401	A	Mrs.V. Logisvary	Yes	3	Yes
		B				
		C				
	Sensors for Industrial Applications / U20ECE402	A	Mrs.S. Jayanthi	Yes	2	Yes
		B				
		C				
	Computer Architecture / U20ECE403	A	Mrs.M.P.Ruby	Yes	2	Yes
		B				
		C				
6	PLC and SCADA Systems and its Applications / U20ECE404	A	Ms.C.Janani	Yes	3	Yes
		B				
		C				
	Open Elective-1 Web Development/ U20CSO401	A	Mr.Rajesh	Yes	2	Yes
		B				
		C				
	Sensors and Transducers/ U20ICO401	A	Mr.P. Mahendra Peruman	Yes	3	Yes
		B				
		C				
7	Basic DBMS/ U20CCO401	A	Mrs.T.Sivarajanji	Yes	2	Yes
		B				
		C				
	Introduction to Data Science/ U20ADO402	A	Ms.Poornambigai	Yes	3	Yes
		B				
		C				

### 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
890	56	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	
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### 3.7 Student Performance in End Semester Examination Semester – Final

#### VIII Semester – 2019-2023

Sr. No	Particular	B.Tech
1	Number of Students appeared	210
2	Number of All Clear Students	198
3	Number of Students passed with Distinction	46
4	Number of Students passed with First Class	152
5	Number of Students passed with Second Class	-
6	Number of Students Failed	12
7	Passing Percentage	94.28 %

#### IV Semester – 2020-2024

Sr. No	Particular	B.Tech
1	Number of Students appeared	217
2	Number of All Clear Students	175
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	42
7	Passing Percentage	80.64 %

#### II Semester – 2021-2025

Sr. No	Particular	B.Tech
1	Number of Students appeared	214
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	54
7	Passing Percentage	74.76 %

### 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	Nil
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	210	Nil

3	Student Exit Survey conducted and Analysed	Yes	172	Nil
4	Alumni Feedback conducted and Analysed	Yes	640	Nil

## 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. Raja	Super Stroke Solenoid and Embedded Controller-Based Anti-Theft Measures for Vehicle Wheels	Silicon Systems	2,24,000	5 Months
2	Dr. N. Saranya	A Compact IoT Rover System for Efficient Monitoring and Maintenance	I Square systems	3,35,000	1 Year
3	Dr. S. Ashok Kumar	Pioneering Flame-Resistant Technology Safeguarding Electric Vehicle Batteries using Nomex's Unyielding Shield	Enthu Technology Solutions India Pvt. Ltd.	2,41,000	1 Year

### 5.2 Consultancy Works

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

### 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
1	2022-23	-	24	621	42
2	2021-22	-	10	784	40
3	2020-21	-	39	849	48
4	2019-20	-	3	603	45
5	2018-19	-	10	457	27

**Publication Details for Academic Year consider for Auditing**

Number of Publication in National Journals	-
Number of Publication in International Journals	03
Number of Publication in National Conferences	1
Number of Publication in International Conferences	09
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		

**International Journal**

Sl. No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, Issue, pp, Year /ISSN	Indexing / UGC /Scopus/ SCI	Impact Factor
1.	Tunable Optimal Dual Band Metamaterial Absorber for High Sensitivity THz Refractive Index Sensing	Madurakavi K Pradeep J Sitharthan R, Shanmuga Sundar D Thamizharasan S Manimaran P	Nanomaterials	Vol.12,Issue No.15, PP.2693-1- 2693- 11,2022/2079 -4991	SCI	5.719
2.	Active Noise Cancellation for Acquiring Desired Informative Audio by Suppressing the Unwanted Noise Distortion	P.Raja, S. Dhivya	Neuroquantology	Vol.20,Issue. 11,PP.5358- 5375,2022/13 03-5150	Scopus	0.285
3.	Performance of MIMO MC-CDMA System with Relay using Adaptive Pilot Channel Estimation	N. Tamilarasan, S. B. Lenin, L. Nithyanandan	Journal of The Institution of Engineers (India): Series B	Vol.103, PP.1699- 1706,2022/22 50-2114	Scopus	0.303

**National Conference**

Sl. No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	Detection of Corona Virus using Deep Learning	A. Jayachitra	-	Fourth conference on Communication systems (NCOCS-2022)	-	Institute of Physics Publishing (IOP)

## International Conference

Sl. No	Title of the Paper	Name of the Authors	Name of the Conference	ISBN / ISSN	Publisher
1	Complexity Reduction by Signal Passing Technique in MIMO Decoders	Ramya Jothikumar Rangasamy N.	Proceedings of Fourth International Conference on Computer and Communication Technologies	978-981-19-8563-8/2367-3370	Springer
2	Artificial Intelligent Based Image Segmentation to Detect Covid-19	K. Dhanasekaran P. Srividdya S. Ganesan	International Conference on Emerging Innovative Technologies in Engineering	-	-
3	Comparative Investigation of Diverse Controller for the Temperature Control of Coating Plant Air Conditioner	Janani Chandran Kala Hariharan NithyaRani N	International Conference on Emerging Innovative Technologies in Engineering	-	-
4	Efficient and deployable smart farm processing system using machine learning	V. Logisvary N.Jothy	International Conference on Emerging Innovative Technologies in Engineering	-	-
5	Detection and Recognition of Unclear Vehicle Number Plate Using YOLOV5 Algorithm	N. Jothy.N, R. Gayathri. V. Logisvary	International Conference on Emerging Innovative Technologies in Engineering	-	-
6	Extraction of Chitosan from Shrimp Shell and Stem Juice from Musa Paradisiaca Blended with Polyvinyl Alcohol for Wound Healing Application	N. Tamilarasan S. B. Lenin R. Piyadharshni	International Conference on Emerging Innovative Technologies in Engineering	-	-
7	A Scrutiny On Diversified Techniques For Air Pollution Level Detection Based On IoT Applications	S. Dhivya K.Vijayakumar S.Nigithadharshini	International Conference on Emerging Innovative Technologies in Engineering	-	-
8	New symmetric and planar designs of 8-bit reversible full-adder in quantum dot cellular automata	K. Thivya. K. Vijayakumar Nithyavalli	International Conference on Emerging Innovative Technologies in Engineering	-	-
9	Implementation of fast multiplier using area and power efficient 4:2 compressor	K. Vijayakumar R. Aysha	International Conference on Emerging Innovative Technologies in Engineering	-	-

### Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	Block chain in Healthcare Security in Artificial Intelligence	Gayathri.R, Jothy.N, Geethalakshmi.T	Under review	Cambridge Scholars Publishing

### Patent

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

## 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	Srivatsan.G	Zoho	6 Months	20 July 2022	20 January 2023

### 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	GG2 Software test process	Mohamed Faisal B Naveen Chander. P Prakash.V	Lenova India Limited	1 Year
2	Control Room for Digital Work Instructions	Hera.V Prathela. T Subhiksha. R	Lenova India Limited	1 Year
3	Smart ESD tester using face recognition and smart attendance monitoring	Azeess Basha G Srivatsan G Aswin.Z	Lenova India Limited	1 Year
4	Analysis and Rectification of unwanted Triggering of Silicon Controlled Rectifier (SCR) in Gate Driver Circuits.	Anusree Manoj Deepika. S Nivethitha. D Kaniya Kayathri V	Eaton power quality Pvt.Ltd	1 Year

5	Optimization of 3kva Uninterrupted Power Supply	Sankavi.S Suvetha. S Pradikksha.S	Eaton power quality Pvt.Ltd	1 Year
6	Quality Improvement in Automobile alternator	Aishwarya.L.S Maithili.S Praveena.P	Lucas TVS Pvt.Ltd	1 Year
7	Programming testing kit for alternator control IC	Janaki.S Ramya.T Santhiya.S	Lucas TVS Pvt.Ltd	1 Year
8	WIFI Based HR Smart Information Board	Akshaya S Charulatha. M Gayathry R	Lenova India Limited	1 Year
9	Implementation of Efficient Learning using Compact VR Module	Thiruvikraman V Vaasan C Vanmuhil. B Dhanush Jawahar Magee .M	Schopiq Automations	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	Microchip	2021	Placement and Internship	5 years
2	Autocoils	2022	Industry visit and Guest lecture	2 years

### SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	144
Number of Students opted Higher Studies	24
Number of Entrepreneur	Nil

## 7.1 Placements

Nil

## 7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1	Akkash. P	Pondicherry University	MBA- Banking Technology
2	Agilambigai. M	Pondicherry University	MBA- Banking Technology
3	Devaganesh.K	Ecole d'Ingenieurs en Informatique	MS in Computer Science- Software Engineering
4	Amirthavarshini.C	Pondicherry University	MBA- Banking Technology
5	Sree Kamali.D.K	Pondicherry University	MBA
6	Ramya Bharathy.R	Hamburg University of Technology	MS-MicroElectronics and MicroSystem
7	Vijaya Raghavan. B	IFHE Hyderabad	MBA
8	Gopi Shankar.M	Hindustan University	MBA- General
9	Mohanaganesh.V	Vellore Institute of Technology	M.Tech- Bio Medical Engineering
10	Prithivirajan.D	Thiagarajar School of Management	PGDM
11	Vignesh.G	Sri Manakula Vinayagar Engineering College	MBA
12	Udhayakumar.G	Pondicherry Technological University	M.Tech- Electronics and Communication Engineering
13	Vithanala Shahanthi Sai Sushma	Sastradeemed to University	M. Tech. in Artificial Intelligence & Data Science
14	Pemmadi Priyanka	Hindustan University	MBA- General
15	Thamaraiselvi.A	Manakula Vinayagar Institute of Technology	M.Tech- Electronics and Communication Engineering
16	Praveen.R	Jansons School of Bussiness	MBA
17	Rajalakshmi.U	Pondicherry Technological University	M.Tech- Electronics and Communication Engineering
18	Pradeep.M	Humber College Institute of Technology	Project Management
19	Bhuvaneswari. G	Pondicherry University	M.Tech-Computer Science

20	Dharshan.T	Manakula Vinayagar Institute of Technology	M.Tech- Electronics and Communication Engineering
21	John Mathew.J	Sri Manakula Vinayagar Engineering College	MBA
22	Jenifer. P	Thiagarajar School of Management	PGDM
23	Prasanthi.S	Pondicherry University	MBA- Banking Technology
24	Sathiya Narayanan.G	Rajiv Gandhi College of Engineering and Technology	MBA

### 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
1.	Five days hands on training on eagle software and PCB	Dr. S. Dhivya, Assistant Professor/ECE	01.08.2022 to 05.08.2022	Students	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	Conference - Detection and Resonation of unclear vehicle number plate using yolo V5 algorithm at SMVEC	Sri Manakula Vinayagar Engineering College	13.07.2022- 15.07.2022	International	56

## 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
-	-	-	-	-

### 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 [ B. Tech -ECE, SMVEC]
2	Dr.V. Bharathi	BOS Member [B. Tech -ECE]
3	Dr. R. Ramya	BOS Member [B. Tech -ECE]
4	Dr.J. Pradeep	BOS Member [B. Tech, ECE]
5	Dr. R. Kurinjimalar	BOS Member [B. Tech, ECE]
6	Mr.Pushparaj	BOS Member [B. Tech, Mechatronics]
7	Prof. R. Illayaraja	BOS Member [B. Tech, ECE]
8	Dr.S.Premkumar	BOS Member[B. Tech - CCE]
9	Mrs.V.Logisvary	BOS Member[B. Tech -CCE]
10	Dr. A. Jayachitra	BOS Member[B. Tech , BME]
11	Dr. P. Arunagiri	BOS Member[B. Tech ,BME]
12	Dr.S.B.Lenin	BOS Member[B. Tech ,BME ]

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

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1.	Dr.A.Kurinjimalar	Reviewer in International Journal of Electrical and Computer Engineering (IJECE)
2.	Dr.P.Arunagiri	Editorial Board Member in International Journal of Multidisciplinary Research and Modern Education
		Editorial Board Member in International Journal of Engineering Research and Modern Education
		Editorial Board Member in International Journal of Scientific Research and Modern Education
		Editorial Board Member in International Journal of Current Research and Modern Education
		Editorial Board Member in International Journal of Applied and Advanced Scientific Research
		Editorial Board Member in International Journal of Computational Research and Development
		Editorial Board Member in International Journal of Interdisciplinary Research in Arts and Humanities
		Editorial Board Member in International Journal of Advanced Trends in Engineering and Technology
		Editorial Board Member in Indo American Journal of Multidisciplinary Research and Review
		Editorial Board Member in Star Research – An International Online Journal
3.	Dr.J.Pradeep	Reviewer in International Journal of Electrical and Computer Engineering (IJECE)

3	Dr.S.Ashok kumar	Editorial Board Member in Journal of Electrical and Electronic Engineering
4..	Dr.S.Dhivya	<p>Reviewer in International Conference on Recent Trends in Data Science and Business Systems, SRM Institute of Science and Technology</p> <p>Reviewer in Imaging Science Journal</p> <p>Reviewer in International Journal of Electrical and Computer Engineering (IJECE)</p> <p>Reviewer in International Research Journal of Innovations in Engineering and Technology (IRJIET)</p> <p>Reviewer in InSc International Publishing Platforms and also for Technical Events under the stream: Electronics and Communication Engineering</p> <p>Reviewer in International Journal of Engineering Research and Technology (IJERT)</p> <p>Reviewer in Advances in Science, Technology and Engineering Systems Journal (ASTESJ)</p> <p>Editorial Board Member in International Journal of Multidisciplinary Research and Modern Education</p> <p>Editorial Board Member in International Journal of Engineering Research and Modern Education</p> <p>Editorial Board Member in International Journal of Scientific Research and Modern Education</p> <p>Editorial Board Member in International Journal of Current Research and Modern Education</p> <p>Editorial Board Member in International Journal of Applied and Advanced Scientific Research</p> <p>Editorial Board Member in International Journal of Computational Research and Development</p> <p>Editorial Board Member in International Journal of Interdisciplinary Research in Arts and Humanities</p> <p>Editorial Board Member in International Journal of Advanced Trends in Engineering and Technology</p> <p>Editorial Board Member in Indo American Journal of Multidisciplinary Research and Review</p> <p>Editorial Board Member in Star Research – An International Online Journal</p> <p>Editorial Board Member in Blue Eyes Intelligence Engineering and Sciences Publication (BEIESP)</p> <p>Editorial Board Member in Lattice Science Publication (LSP) and its journals</p> <p>Editorial Board Member in International Journal of Current Research in Science, Engineering &amp; Technology (URF Publisher)</p> <p>Editorial Board Member in Journal of Artificial Intelligence and Big Data</p>

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

S.No	Name of Faculty	Name of Awards / Recognition
1	Dr.S.Divya	Best Young Faculty Award and Young Researcher 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.	Dr.S.Divya	One day online FDP on array signal processing for RADAR application	Sri Sivasubramania Nadar College of Engineering, Kalavakkam	18.08.2022
2.	Dr.S.Divya	FDP on Impact of AI in the field of Engineering	Vel's Institute of Science Technologies and advanced studies	26.09.2022 – 30.09.2022
3.	Mr. P. Mahendra Peruman	FDP on Impact of AI in the field of Engineering	Vel's Institute of Science Technologies and advanced studies	26.09.2022 – 30.09.2022
4.	Dr. A. Jayachitra	6-days Online UHV FDP	All India Council for Technical Education (AICTE)	19.09.2023 – 23.09.2023
5.	Dr. A. Jayachitra	FDP on Impact of AI in the field of Engineering	Vel's Institute of Science Technologies and advanced studies	26.09.2022 – 30.09.2022
6.	Mrs. Logisvary	FDP on Impact of AI in the field of Engineering	Vel's Institute of Science Technologies and advanced studies	26.09.2022 – 30.09.2022
7.	Ms. R.Priya	FDP on Impact of AI in the field of Engineering	Vel's Institute of Science Technologies and advanced studies	26.09.2022 – 30.09.2022
8.	Mrs. P. Srividya	Outcome Based Education	C K college of Engineering Technology	24.08.2022 – 30.08.2022
9.	Ms.R. PRIYA	One day online FDP on array signal processing for RADAR application	Sri Sivasubramania Nadir College of Engineering, Kalavakkam	18.08.2022
10.	K.Jambulingam	Workshop on Cyber Security	Microsoft Cybershikshaa for Educators Program held from	03 08.2022 to 12.08.2023

**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.A.Thiagarajan  
Associate Professor  
Department of Mechanical Engineering  
SMVEC, Puducherry



Dr.R.Saravanan  
Associate Professor  
Department of IT  
SMVEC, Puducherry

**Recommendations:**

Criterion Progression	Remarks
Curricular Aspects	All relevant documents are verified
Teaching, Learning and Evaluation	Provide supporting documents for certificate courses and mandatory courses.
Structured Feedback	All relevant documents are verified
Research, Innovation and Publications	Require enhancements
Collaborations and Linkages	Require enhancements
Student Progression	All relevant documents are verified
Activity Conducted / Organized by the Department	Increase the scope of club activities.
Achievements	All relevant documents are verified
General Remarks	Most of the documents are available in the department



**SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE**

An Autonomous Institution,  
Accredited by NAAC with 'A' grade  
Puducherry - 605107



**INTERNAL QUALITY ASSURANCE CELL**

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**ACADEMIC AND ADMINISTRATIVE AUDIT**

**DEPARTMENT OF  
COMPUTER SCIENCE AND ENGINEERING**





**ACADEMIC AND ADMINISTRATIVE AUDIT**

(Academic Year 2022-2023)

**Internal Audit**

**SECTION -1: BASIC INFORMATION**

Audit Date	19-01-2023												
Name of the Department	Computer Science and Engineering												
Year of Establishment	1999												
Programs Offered	<table border="1"> <tr> <td>Name of the Program</td> <td>Approved Intake</td> </tr> <tr> <td>U.G Programs -B.Tech</td> <td>180</td> </tr> <tr> <td>P.G Programs – M.Tech</td> <td>24</td> </tr> <tr> <td>Doctoral Program-Ph.D</td> <td>10</td> </tr> </table>			Name of the Program	Approved Intake	U.G Programs -B.Tech	180	P.G Programs – M.Tech	24	Doctoral Program-Ph.D	10		
Name of the Program	Approved Intake												
U.G Programs -B.Tech	180												
P.G Programs – M.Tech	24												
Doctoral Program-Ph.D	10												
Head of the Department	Dr.K.Premkumar												
Number of full time Teachers	Professor	4											
	Associate Professor	10											
	Assistant Professor	40											
Number of Technical Staff	3												
Number of Students	For B.Tech:		<table border="1"> <tr> <td>For M.Tech</td> </tr> <tr> <td>Year</td> <td>Strength</td> </tr> <tr> <td>First Year</td> <td>4</td> </tr> <tr> <td>Second Year</td> <td>7</td> </tr> <tr> <td>Total</td> <td>11</td> </tr> </table>		For M.Tech	Year	Strength	First Year	4	Second Year	7	Total	11
For M.Tech													
Year	Strength												
First Year	4												
Second Year	7												
Total	11												
Year	Strength												
First Year	188												
Second Year	188												
Third Year	188												
Fourth Year	176												
Total	740												
For Ph.D		Registered   5											
Faculty Student Ratio	1:14	-											

**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. K. Premkumar	Curriculum and Syllabus Prepared	Problem Solving Approach; Game Development using Unity	I/I III/V
2	Dr. 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
3	Dr.E.Kodhai	Curriculum and Syllabus Prepared	Programming in C; Data Structures; Design and Analysis of Algorithms; Service Oriented Architecture;	I/II II/III II/IV III/VI
2	Dr.Ramachandiran	Curriculum and Syllabus Prepared	Analysis of Algorithms Research Methodology and IPR Advanced Data Structures and Algorithms Laboratory Technical Report Writing & Seminar Service Oriented Architecture	II/IV I/I/ MTech I/II/ MTech I/II/ MTech Open Elective I/II/ MTech Elective/ MTech
3	Dr.J.Raja	Curriculum and Syllabus Prepared	Robotics Process Automation; Pervasive Computing; Quantum Computing Mobile and Pervasive Computing	III/V IV/VIII Elective/MTEchIV/VIII
4	Dr.T.Megala	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
6	Mr. P. Karthikeyan	Curriculum and Syllabus	Database Management Systems; Enterprise Solutions	II/IV III/V Elective/ MTech

		Prepared	Soft Computing Advances in Database Systems	Elective/ MTech
8	Mr. M. Shanmugam	Curriculum and Syllabus Prepared	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
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	Mr. S. Kumarakrishnan	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	Mrs.C.Kalpana	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.P.Bhavani	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	Mr.A.Prakash	Curriculum and	Computer Organization	I/II

		Syllabus Prepared	and Architecture; Computer Graphics; Graphics Designing; Assistive Technology Business Intelligence and Reporting	I/II III/V III/VI Elective/ MTech
14	Mr.N.Balaji	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.Arokiaraj Christian	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	Ms.V. Swathilakshmi	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.N.Rajesh	Curriculum and Syllabus Prepared	Fundamentals of Programming Languages; Functional Programming; Robotics Design of Embedded Systems Block Chain and Cryptocurrency	II/IV III/V IV/VII Elective/ MTech Elective/ MTech
18	Mrs.S.Deeba	Curriculum and Syllabus Prepared	Data Mining and Warehousing; Database Administration	IV/VII II/IV
19	Mrs.R.Deepa	Curriculum and Syllabus Prepared	Object Oriented Analysis And Design; Trust Computing; Human Computer Interaction	II/IV IV/VIII IV/VIII
20	Ms.V.Swetha	Curriculum and Syllabus	Ethical Hacking; Natural Language	IV/VIII IV/VIII

		Prepared	Processing	
21	Mrs.Subasree	Curriculum and Syllabus Prepared	Robotic Process Automation(RPA)	Elective/ MTech

### 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	E-Business	U20CSE402	120
2	II/IV	Object Oriented Analysis and Design	U20CSE403	68
3	IV/VII	Virtual Reality	U19CSE73	116
4	IV/VII	Network Security	U19CSE71	54

### 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	II / IV	Consumer Electronics	ECE	U20EXO402	120
2	II / IV	Electrical Safety	EEE	U20EEO402	68
3	IV/VII	Electronics and Communication Engineering	Sensors for industrial applications	U19ECO76	116
4	IV/VII	Information Technology	Automation techniques and Tools DevOps	U19ITO76	60

### 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 Practices	U20CSS201	188
2	II/IV	Exploring Photoshop	U20CSS403	188

### 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	U20CSCX90	188
2	II/IV	Java Programming/Cloud computing	U20CSCX60 U20CSCX28	188

### 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	U20CSM202	188

2	II/IV	NSS	U20CSM404	188
3	IV/VII	Professional Ethics	U19CSM61	176

### SECTION -3: TEACHING, LEARNING AND EVALUATION

#### 3.1 Course Delivery:

3.2 I Year / II Semester – (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.	Programming in C	U20CST201	Dr.K.Premkumar	45	45	45
			Dr.T.Megala	45	45	45
			Mrs.S.Subasree	45	45	45
2.	Microprocessors and Microcontrollers	U20EST201	Mrs.Archuana	45	45	45
			Mrs.Meenaga	45	45	45
			Mr.Hariharan	45	45	45
3.	Front-End Web Development	U20CST202	Dr.R.Ramachandran	45	45	45
			Mr.B.Thiyagarajan	45	45	45
			Mr.D.Vinoth	45	45	45
4.	Computer Organization and Architecture	U20CST203	Mr.K.Sivaganesan	45	45	45
			Mr.K.Vignesh	45	45	45
			Ms.R.Gaythri	45	45	45
5.	Computer Graphics	U20CST204	Mr.R.Ilamathidevi	45	45	45
			Mr.R.Srinivasan	45	45	45
			Mr.V.Bragadeeswaran	45	45	45

#### PRACTICAL

6	Programming in C Laboratory	U20ESP202	Dr.K.Premkumar	30	30	30
			Dr.T.Megala	30	30	30
			Mrs.S.Subasree	30	30	30
7	Micrprocessors and Microcontrollers Laboratory	U20CSP201	Mrs.Archuana	30	30	30
			Mrs.Meenaga			
			Mr.Hariharan	30	30	30
8	FrontEnd Web Development Laboratory	U20ESP202	Dr.R.Ramachandran	30	30	30
			Mr.B.Thiyagarajan	30	30	30
			Mr.D.Vinoth	30	30	30

#### II Year/IV Semester-(2020-24)

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
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1.	Programming in Java	U20EST467	Ms.R.Gaythri	45	45	45
			Ms.R.Abinaya	45	45	45
			Ms.Swathilakshmi	45	45	45
2.	Database Management Systems	U20CST408	Mrs.C.Kalpana	45	45	45
			Ms.R.Priya	45	45	45
			Mr.R.Swaminathan	45	45	45
3.	Design and Analysis of Algorithms	U20CST409	Mr.V.Vijay	45	45	45
			Mr.Arokiarajst Hubert	45	45	45
			Mrs.C.Karthiga	45	45	45
4.	E-Business Object Oriented Analysis And Design	U20CSE402	Mrs.S.Subasree	45	45	45
			Mr.R.Rajadurai	45	45	45
		U20CSE403	Ms.R.Ilamathidevi	45	45	45

**PRACTICAL**

6	Programming in Java Laboratory		Ms.R.Gaythri	30	30	30
			Ms.R.Abinaya	30	30	30
			Ms.Swathilakshmi	30	30	30
7	Database Management Systems Laboratory		Mrs.C.Kalpana	30	30	30
			Ms.R.Priya	30	30	30
			Mr.R.Swaminathan	30	30	30
8	Design and Analysis of Algorithms Laboratory		Mr.V.Vijay	30	30	30
			Mr.Arokiarajst Hubert	30	30	30
			Mrs.C.Karthiga	30	30	30

**IV Year / VII 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	IoT and Edge Computing	U19CST71	Ms.R.Thenmozhi	45	45	45
			Mrs.P.R.Jeyanthi	45	45	45
			Mrs.R.Deepa	45	45	45
2	Data Science and Digital Marketing Analytics	U19CST72	Mrs.Kalaivani	45	45	45
			Dr.N.Mohanarangan	45	45	45
			Mr.P.Gopinath	45	45	45
3	Virtual Reality Network Security	U19CSE73	Dr.E.Kodhai	45	45	45
			Mr.Shanmugam	45	45	45
				45	45	45

**PRACTICAL**

4	IoT and Edge Computing	U19CSP72	Ms.R.Thenmozhi	30	30	30
			Mrs.P.R.Jeyanthi	30	30	30

	Laboratory		Mrs.R.Deepa	30	30	30
5	Data Science and Digital Marketing Analytics Laboratory	U19CSP73	Mrs.Kalaivani	30	30	30
			Dr.N.Mohanarangan	30	30	30
			Mr.P.Gopinath	30	30	30
6	Comprehensive Viva-Voce	U19CSP74	Mr.P.Gopinath			
7	Project Work – Phase I	U19CSW71	Dr.M.Ganesan Dr.K.Premkumar	30	30	30
				30	30	30
				30	30	30

### 3.3 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	Mrs.C.Kalpana	Data Structures	Projector / Black Board
2	Dr.T.Megala	Programming in Python	Projector / Black Board
3	Dr.K.Premkumar	Programming in C++	Projector / Black Board
4	Mr.R.Rajadurai	Data communications and computer networks	Projector / Black Board
5	Mr.B.Rajesh	Operating Systems	Projector / Black Board
6	Mr.Arokiaraj st Hubert	Handheld Computing	Projector / Black Board
7	Mr.N.Balaji	Robotics Process Automation	Projector / Black Board
8	Mrs.Kalivani	Data Science and Digital Marketing	Projector / Black Board
9	Mrs.R.Deepa	Iot and Edge computing	Projector / Black Board/

### 3.4 List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1.	The Technologies Will Rule The Future World	K. Krishnakumar, Yes Software Technology, CEO,Puducherry.	19.11.2022	60
2.	Project Management in Industries	Mr.N.M.Jeevanatham, Developer, ZOHO Cooperation Mr.A.Nevinkumar, Developer, TCS Chennai.	19.11.2022	60
3.	PHP Development	Dr.M. Geetha, Assistant Professor, Pondicherry University, Puducherry.	19.11.2022.	60
4.	Applications of Python Programming	Dr.N.Sivakumar, Assistant Professor, Department of Computer Science and Engineering, Puducherry Technological University.	17.12.2022	60
5.	OOPS Concepts	Dr.N.Sivakumar, Assistant Professor, Department of Computer Science and Engineering, Puducherry	17.12.2022	60

		Technological University.		
6.	Advance Operating Systems	Shakin Banu Haleem, Design Engineer Specialist, Ipswich,UK.	03/12/2022	60
7.	An Industrial Approach for Problem Solving	Sathisk Kanna.M Data Engineer, TCS Chennai.	10.12.2022	60
8.	PPY-Modern python application development in practice.	A.Aasaimani, Exela Technologies, Chennai.	10.12.2022	60
9.	ACD- Automat's usage in compiler designing.	Nithyanandan.S Software Engineer, Texas Instruments.	24.12.2022	60
10.	Artificial Intelligence- Deep Learning	Dr. S.Sivakumar	29/4/2023	60
11.	Knowledge Representation and Reasoning	Mr. G. Dineshnath	12/05/2023	60

### 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)
<b>I year/II sem – (2021-2025)</b>					
1	Computer Organization and Architecture	Mrs.S.Deeba	Yes	7	Yes
2	Computer Graphics	Mr.R.Srinivasan	Yes	7	Yes
<b>IV year / VII Sem - (2019-2023)</b>					
1	IOT and Edge Computing	Mrs.P.R.Jeyanthi	Yes	6	Yes
2	Data Science and Digital Marketing	Mrs.Kalaivani	Yes	6	Yes

### 3.5 Counseling and Mentoring

S.No	Particular	Yes / No	Remarks (if any)
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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
740	54	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	Target Attainment level 3
4	PSO and PO attainment through CO	Yes	

### 3.8 Student Performance in End Semester Examination

IV year / VII Semester - (2019-2023)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	176	-
2	Number of All Clear Students	169	-
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	-
7	Passing Percentage	96%	-

II year / IV Semester – (2020-2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	188	-
2	Number of All Clear Students	182	-
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	-
7	Passing Percentage	97%	-

**I year / II Semester – (2021-2025)**

<b>Sr. No</b>	<b>Particular</b>	<b>B.Tech</b>	<b>M. Tech</b>
1	Number of Students appeared	179	-
2	Number of All Clear Students	155	-
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	34	-
7	Passing Percentage	87%	-

**SECTION – IV : STRUCTURED FEEDBACK**

<b>S.No</b>	<b>Particular</b>	<b>Yes / No</b>	<b>Number of Feedback Collected</b>	<b>Remarks (if any)</b>
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**

<b>S.No</b>	<b>Principle Investigator</b>	<b>Title of Project / Grants</b>	<b>Funding Agency</b>	<b>Amount (Rs. in Lakhs)</b>	<b>Duration of the project</b>
1.	Mrs.C.Kalpana	ANOKHI-Billing Application	ANOKHI	75000	1 year

**5.2 Consultancy Works**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Nature of Consultancy</b>	<b>Funding Agency</b>	<b>Fund Generated</b>	<b>Duration of the Consultancy</b>
1				NIL	

**5.3 Faculty Publications**

**Publication Details**

<b>Sr. No</b>	<b>Academic Year</b>	<b>Papers Published in peer reviewed Journals</b>	<b>Scopus, Web of Science Indexing Papers</b>	<b>Total Number of Citations</b>	<b>h-index</b>	<b>Impact Factor range / Average Impact Factors</b>
1	2022-2023	60	16			

**Publication Details for Academic Year 2022-23 consider for Auditing**

Number of Publication in National Journals	Nil
Number of Publication in National Conferences	Nil
Number of Publication in International Journal	60
Number of Publication in International Conferences	6
Number of Books / Book Chapters	1
Number of Patent (Filed)	1
Number of Patents Granted	1

**National Journal**

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

**International Journal Academic year 2022-23**

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1.	Adaptive And Automated Neural Network Based Covid-19 Ct-Scan Biomedical Image Segmentation	M.Ganesan, Sarath S, Sunil Gupta K, Nivas C	International Journal of Research And Analytical Reviews	Vol 10, Issue1, 837-849	UGC
2.	Internet Of Medical Things And Cloud Enabled Brain Tumour Diagnosis Model Using Deep Learning With Kernel Extreme Learning Machine	M. Ganesan, T. Vengattaraman N. Sivakumar, M. Thirumaran	International Journal Of Electronic Healthcare	Volume 12, Issue 3, 203-220	UGC
3.	Solar Energy Based Smart Agriculture System Using Iot	M. Ganesan, Keerthiraaj G	International Journal Of Management, Technology And Engineering	Volume-12 Issue-8, Page 37-45, August 2022.	UGC
4.	Credit Card Transaction Fraudulent Detection Using Machine Learning	C. Kalpana, Dr.K.Premkumar, R. Dhana Priya, R. Lalitashalini , R. Preethi	International Journal Of Research And Analytical Reviews	Volume 10 ,Issue1 E-ISSN 2348-1269 P-ISSN2349-5138	UGC
5.	Convlstm Hybrid Algorithm For Deep-Based Learning Flood Forecast Model Development	Dr.Premkumar K, Mrs. Kalpana.C , Ms. Kanimozhi P	Telematique	Volume 21 Issue 1, 2022. ISSN: 1856-4194,4099 - 4104	WOS

6.	Multi-View Gait Human Image Generation For Cross-View Gait  Recognition By Back Propagation Neural Networks	Pranesh V1, Arokiaraj Christian St Hubert	Telematique	Volume 21 Issue 1, 2022  ISSN: 1856-4194 3477 – 3500	UGC
7.	Blockchain-Based Proxy Re-Encryption Method To Secure Data Sharing In IoT With Dynamic Key Generator	Sharmila Devi, Mrs.Bhavani.P	Telematique	ISSN:1856-4194	UGC
8.	An Artificial Intelligence -Based System For Food And Nutrient Nourishment For An Individual	Mrs.Bhavani.P  R.Nivashiniya  Singamsetty Ratna Poojitha  Singamsetty Sai Akshitha	International Journal Of Research And Analytical Reviews (Ijrar)	E-ISSN 2348-1269	UGC
9.	A Clinical Decision Support System For Co-Infectious Diseases Using Machine Learning	Mrs.Deepa.R  Gururaj.M  Gunalan G  Jeeva.D	International Journal Of Research Analytical Reviews (Ijrar)	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
10	Intelligent Vehicle Lightning And Speed System	T. Megala, Balachandar R, Hemesh D, Jaiprashaanth P	International Journal Of Research Analytical Reviews (Ijrar)	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
11	Cancer Tissue Cell Image Classification And Segmentation Using Recurrent Neural Network	T.Megala  Renetha  Pavithra.K  Vaishnavi.S	International Journal Of Research Analytical Reviews (Ijrar)	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
12	Alzheimer Disease Prediction Using Decision Tree Algorithm	Mr.D.Rajesh , Aaditya.V, Neeshanthi.R, Priyanka.V	International Journal Of Research Analytical Reviews	E-ISSN 2348-1269, P- ISSN 2349-5138 Volume 10, Issue 1	UGC
13	Multi-Scale And Context Aware Optimized	Mr.D.Rajesh1, K Swedha2,	International Journal Of	ISSN: 2455-2631volume 8	UGC

	Glucose Forecasting Using Neural Network	J Jashini3, C Mithra4	Scientific Development And Research	Issue 4	
14	The Detection Of State Of Mental Health Using Recurrent Neural Networks	Dr.N. Moganarangan1, D. Rajesh2, B. Srivishnu3, R.Praveenkumar4, S. Mithunkumar	International Journal For Multidisciplinary Research	E-ISSN: 2582-2160 Volume 5, Issue 2,	UGC
15	Predicting Poverty Level From Satellite Imagery Using Ensemble Learning	Mr.D. Rajesh , Ravi Shankar.M, Abhiram.P, R. Devabalan, Mohamed Shahith. S	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269, P- ISSN 2349-5138 Volume 10, Issue 1	UGC
16	Movie Recommender System Using Fuzzy C-Means Clustering	Jayavignesh J, Santhoshkumar R, Panneerselvam C, Mrs.S.Deeba	International Journal Of Research And Analytical Reviews (Ijar)	E-ISSN 2348-1269, P-ISSN 2349-5138 Volume 10, Issue 1	UGC
17	High Definition P2p Streaming: Quantitative Schema Analysis	Dr.J.Raja, Asso.Professor,Department Of Cse, Smvec	Https://Ieeexplore.Ieee.Org/		Ieee
18	Two Factor Authentication For Atm Security	Dr.J.Raja, Asso.Professor,Department Of Cse, Smvec	International Journal Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
19	Traffic Minimization In 5g Network Using Data-Efficient Resource Optimization	Dr.J.Raja, Asso.Professor,Department Of Cse, Smvec	International Journal Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
20	Intelligent Domain Finding System Using Behavioral Characteristics	Dr.J.Raja, Asso.Professor,Department Of Cse, Smvec	International Journal Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC

21	A Three Layer Privacy Preserving Cloud Storage Scheme Based On Fog Computing	Dr.J.Raja, Asso.Professor,Department Of Cse, Smvec	International Journal Of Research And Analytical Reviews	E-ISSN 1269 P-ISSN 2349-5138 Volume 10 Issue1	2348- UGC
22	Deep Drug Textual Review Sentiment Analysis Using Neural Network	Gowthami.S Bhavani. V Dr. K. Premkumar Subashini.M	International Journal Of Research And Analytical Reviews	E-ISSN 1269 P-ISSN 2349-5138 Volume 10 Issue2	2348- UGC
23	Parking Prediction For Intelligent Transportation System	Dr. M. Ganesan Dayashree V.E Pavithra. R Shafia Angel.A	International Journal Of Research And Analytical Reviews	E-ISSN 1269 P-ISSN 2349-5138 Volume 10 Issue2	2348- UGC
24	Facial Expression Recognition Using Deep Transfer Learning	Mr. B. Thiagarajan, S. Jaivarsha, R. Parkavi, S. Sowmiya S.Sridharshinny	International Journal Of Research And Analytical Reviews	E-ISSN 1269 P-ISSN 2349-5138 Volume 10 Issue1	2348- UGC
25	Learning Languages Using Translator Through Virtual Reality	Mr. M. Shanmugam, Savitha.M Janani.G Harini.M	International Journal Of Research And Analytical Reviews	E-ISSN 1269 P-ISSN 2349-5138 Volume 10 Issue1	2348- UGC
26	Optimizing Ddos Attack Detection Based On Cnn-Lstm Classifier Using Machine Learning	S. Kumarakrishnan, T.Megala, K.Jayanthi, K.Sri Anitha, A.Suvetha	International Journal Of Research And Analytical Reviews	E-ISSN 1269 P-ISSN 2349-5138 Volume 10 Issue1	2348- UGC
27	Suicidal Text Detection In Social Media	Mr. P. Krhikeyan, Ajay. I Magesh R	International Journal Of Research And Analytical Reviews	E-ISSN 1269 P-ISSN 2349-5138 Volume 10 Issue2	2348- UGC

		Saan G			
28	Preventing The Spread Of Misinformation In Whatsappusing Hash Info Feature In Blockchain With Enhanced User Experience	Mr. M. Shanmuga, Hemachandran G Ragul S Trijum M Vishal T	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
29	Exam Evaluation Using Natural Language Processing	P. Gajalakshmi P. Yogeshwar R. Vidjay Rattiname K. V. Saranraj	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
30	Artificial Intelligence And Telegram Channel Integrated Ambulance System	Dr. T. Megala S.Rakesh D. Vignesh G. Dhannanjey Ganesh	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
31	Sign Lnguage Recognition And Response Via Virtual Reality	S. Kumara Krishnan V. Prasanna Venkatesan, V. Suriya Ganesh D.P.Sai Prassanna K. Sundara Skandan	International Journal For Multidisciplinary Research	Volume 5, Issue 2, March-April 2023 E-ISSN: 2582-2160	UGC
32	A Secure Framework For Government Tender Allocation Based On Block Chain	S. Kumara Krishnan T.Megala Nandhini.I Rajanithya.T Swathy.M	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
33	Offline Indoor Navigation Using Artificial Intelligence	Ms. V. Swathilakshmi, A. Andrew Surgis Remo, K. Sudhersanan M. Unnikrishnan K. Venu Aravindan	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
34	News Summarizer Using	Srivarhan S,	International	E-ISSN 2348-1269	UGC

	Long Short Term Memory Algorithm	Karthikeya Passupathy R, Thamarasielvan N, Dr. M. Ganesan	Journal Of Research And Analytical Reviews	P-ISSN 2349-5138 Volume 10 Issue1	
35	Traffic Recognition Rules Using Machine Learning	P. Pradeepkumar, B. Gopinath, S. Ashish, Dr. K. Premkumar	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
36	Autonomous Drone For Pothole Detection	Mr. Thiyagaraja. B, Sasidharan. J, Gokul.T, Praveen Kumar. S	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
37	Neuro Degenerative Disorder Prediction Using Spiral Method	Adhithyan. A Ruthra Kumar. K Prosper Martial B	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
38	A Framework To Make Voting System Transparent Using Blockchain Technology	Dr. K. Premkumar, Avinash. D, Keerthivasan. P, Maheshwaran.B	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
39	Medinfoblock-Blockchain Based Health Data Storage	Mr. M. Shanmugam, R. Chaarumathe, C. Gayathri P. Snega	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
40	Swastha	Dr. M. Ganesan, Alan Xavier Martial A, Raika R, Samhitha A, Shankar Anand R	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
41	Deep Neural Network-Based Crime Video Analytics	Dr. M. Ganesan, S. Harshavarhini, P. Kavipriya, . Keerthana, B. Sujitha	International Journal Of Research And Analytical Reviews	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC

42	Contextual And Omni Channel Sentimental Analysis	Mr.P.Karthikeyan	Communication And Informatics	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
43	Identification And Riddance Of Sybil Attacks Based On Scd Framework In Social Networks	Dr.N.Danapaquiam	Bulletin Of Electrical Engineering And Informatics	Doi: 10.1007/S13198-021-01076-0	Scopus
44	A Deep Learning Neural Network Techniques In Visualization, Imaging Data Acquisition And Diagnosis For Covid-19	Dr.N.Danapaquiam	Turkish Journal Of Computer And Mathematics Education	<a href="Https://Doi.Org/10.1007/S12633-022-01892-4">Https://Doi.Org/10.1007/S12633-022-01892-4</a>	Scopus
45	Resource Allocation For Wireless Cooperative Iot Network With Energy Harvesting	S. Kalaivani	Ijcr	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	UGC
46	Short Circuit Detection In Home Using Augmented Reality	M. V.Prasanna Shanmugam V.Sajith Venkatesan R.Gowtham Kumar D.Srigiridharan @ Surya	Design Engineering Issue:7, 204-221, ISSN: 0011-9342 2021	Volume 5, Issue 2, E-ISSN: 2582-2160	Scopus
47	Convstm Hybrid Algorithm For Deep-Based Learning Flood Forecast Model Development	Dr.Premkumar,Mrs.Kalpana	Telematique Volume 21 Issue 1,	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	Scopus
48	Enhanced Network Intrusion Detection Using Convolutional Neural Networks	Mr.B.Thiyagarajan,Ranjana	Telematique Volume 21 Issue 1,	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	Scopus
49	Detection Of Blood Groups Using Wavelet Transform	Dr.Premkumar, Sureka	Telematique Volume 21 Issue 1,	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	Scopus
50	Internet Of Medical Things And Cloud Enabled Brain Tumour Diagnosis Model Using Deep Learning With	Ganesan M	Int. J. Electronic Healthcare, Vol. 12, No. 3,	Volume 8 Issue 3, ISSN: 2455-2631	UGC

	Kernel Extreme Learning Machine				
51	Multi-View Gait Human Image Generation For Cross-View Gait Recognition By Back Propagation Neural Networks	Arokiaraj Christian St Hubert,Pranesh V	Telematique Volume 21 Issue 1,	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	Scopus
52	Enhancing The Cloud Security Using Side Channel Attack Free Qkd With Entangled Fuzzy Logic	Gopinath N	Journal Of Intelligent & Fuzzy Systems	E-ISSN 2348-1269, P-ISSN 2349-5138 Volume 10, Issue 1	Scopus
53	Security Enhancement For medical Cloud Healthcare Systems	Kalpana C,Arokiaraj Christian St Hubert	Telematique Volume 21 Issue 1,	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	Scopus
54	Prediction Based Energy-Aware Fault-Tolerant Scheduling Algorithm For Bigdata Cloud Data Center	Mr.N.Balaji	Telematique Volume 21 Issue 1,	E-ISSN 2348-1269 P-ISSN 2349-5138 Volume 10 Issue1	Scopus
55	Ui Web Automation Testing Using Testing Log4j	K.Premkumar, S.Keerthi, I.Anju, A.Shaliny	Journal Of Xidian University	ISSN:1001-2400	Scopus
56	Geophonics- Crop Yield Prediction Using Machine Learning Techniques	V.Vijayakumar, A.Aysha Parveen, R.Chandira Keerthana, P.Vaishnavi	Alochana Chakra Journal	ISSN: 2231-3990	Scopus
57	Taxonomy Creation Using Natural Language Processing	J.Madhusudanan, S.Geetha, Madhumithra M, Malavika.M, Ramya Ramin R	Journal Of Xidian University	ISSN:1001-2400	Scopus
58	A Perturbed Self-Organizing Multiobjective Evolutionary Algorithm To Solve Multiobjective Tsp	J.Kanimozhi, Swathilakshmi, B.Thiyagarajan, R.Subramanian	V. Adbu Journal Of Engineering Technology	ISSN:2348:7305	Scopus
59	A Personal Assistant In Chatbots With Different Technologies	J.Kanimozhi, B.Thiyagarajan, Swathilakshmi	V. International Journal Of Computer Science Engineering	ISSN: 2319-7323	Scopus

60	Iot And Cloud Based Brain Tumor Detection And Classification Model Using Optimal Densely Connected	M.Ganesan, Dr.N.Sivakumar, Dr.Thirumaran, R.Saravanan	Iioab Journal	ISSN:0976-3104	Scopus
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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
			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	Election Predictions-Web Services 2.	Dr.E.Kodhai	ICEITE-22	International Conference on Emerging Innovative Technologies in Engineering International 2022		
2	Employee Attrition Prediction	Dr.J.Raja	ICEITE-22	International Conference on Emerging Innovative Technologies in Engineering		
3	Time Series Prediction Of Cryptocurrency Price	Dr.M.Ganesan		International Conference on Emerging Innovative Technologies in Engineering		
4	Expressive And Deployable Eeg Imaginary Decoding Using Fast Rcn With UNet Model	V.Swathilakshmi		International Conference Emerging Innovative Technologies in Engineering		
5	A Secure Cloud Enabled Medical Data Sharing System With Block Chain	S.Deeba		International Conference Emerging Innovative Technologies in Engineering		
6	Malware	B.Thiyagarajan		International		

6	Detection And Prediction Using Knn Algorithm In Machine Learning			Conference on Innovative Technologies in Engineering		
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### Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	Artificial Intelligence: Reshaping human life and environment	Dr.J.Raja,	9798889591191	<a href="https://notionpress.com/">https://notionpress.com/</a>

### Patent

S.No	Name of the Applicant (s)	Name of the Inventor (s)	Title	Application No. & Patent Filed Date	Country	Current Status
1	Ms. R. Rajitha Jasmine Dr. G. Senthil Kumar Dr. K. Hemapriya Dr. J. Raja	Ms. R. Rajitha Jasmine	Security in the cloud with a Token-based Authentication and Agreement Protocol	202341010314A	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	PANNEERSELVAM C	ZOHO	4 Months	30.05.2022	30.09.2022
2	RAVI SHANKAR. M	ZOHO	4 Months	30.05.2022	30.09.2022
3	KARTHIKEYAPASSUPATHY R	ZOHO	4 Months	30.05.2022	30.09.2022
4	SAMHITHA A	ZOHO	4 Months	30.05.2022	30.09.2022
5	PAVITHRA R	ZOHO	4 Months	30.05.2022	30.09.2022
6	GOWTHAMI .S	ZOHO	4 Months	30.05.2022	30.09.2022

7	VIJI D	ZOHO	4 Months	30.05.2022	30.09.2022
8	PARKAVI. R	ZOHO	4 Months	30.05.2022	30.06.2022
9	GAYATHRI C	ZOHO	4 Months	30.05.2022	30.09.2022
10	SHANKAR ANAND. R	ZOHO	1 Months	03.10.2022	15.11.2022
11	ALAN XAVIER MARTIAL. A	ZOHO	1 Months	03.10.2022	15.11.2022
12	SOMESVAR.V	ZOHO	1 Months	03.10.2022	15.11.2022
13	MAGESH. R	ZOHO	1 Months	03.10.2022	15.11.2022
14	SUDHERSANAN K	ZOHO	1 Months	03.10.2022	15.11.2022
15	MITHRA .C	ZOHO	1 Months	03.10.2022	15.11.2022
16	HARSHAVARTHINI S	ZOHO	1 Months	03.10.2022	15.11.2022
17	ABHIRAM.P	Virtusa	5 Months	27.06.2022	15.11.2020
18	VADAPALLI SRIDIVYA	Virtusa	5 Months	27.06.2022	15.11.2020
19	ANAND NARAYANAN. S	KAAR	5 Months	30.05.2022	30.06.2022
20	ASHATHULLA .J	KAAR	4 Month	30.05.2022	30.09.2022
21	SARAN .G	KAAR	4 Month	30.05.2022	30.09.2022
22	YOKESH KUMAR.M	FORD	4 Month	30.05.2022	30.09.2022
23	RENITHA.K	CARATLANE	4 Month	30.05.2022	30.09.2022
24	SAI KISHORE RAO. K	CARATLANE	4 Month	30.05.2022	30.09.2022

### 7.1 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		

### 7.2 Industrial Visits

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

### 7.3 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1	Raja Electronics	August 25 <sup>th</sup> 2022	Training	5

**SECTION – VII: STUDENT PROGRESSION**

Number of Students Placed	175
Number of Students opted Higher Studies	4
Number of Entrepreneur	2

**7.1 Placements**

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1.	TRIJUN M	EmbedUR	8,00,000
2.	GAYATHRI C	ZOHO	7,00,000
3.	GOWTHAMI .S	ZOHO	7,00,000
4.	KARTHIKEYAPASSUPATHY R	ZOHO	5,60,000
5.	MAGESH. R	ZOHO	5,60,000
6.	PAVITHRA R	ZOHO	7,00,000
7.	RAVI SHANKAR. M	ZOHO	5,60,000
8.	SAMHITHA A	ZOHO	5,60,000
9.	SHANKAR ANAND R	ZOHO	8,40,000
10.	ABHIRAM.P	Virtusa	6,50,000
11.	AISHA HUMAIRA. S	Virtusa	5,50,000
12.	ALLAMRAJU SURYA VENKATA NAGA ADITYA	Virtusa	5,50,000
13.	ARUNA CATHCIYAL.G	Virtusa	5,50,000
14.	ARVINDAN. S	Virtusa	5,50,000
15.	BHARATHI. M	Virtusa	5,50,000
16.	DHIVYA. S	Virtusa	5,50,000
17.	GUNALAN. G	Virtusa	5,50,000
18.	KEERTHANA .P	Virtusa	5,50,000
19.	PANNEERSELVAM C	Virtusa	6,50,000
20.	RASIKA R	Virtusa	5,50,000
21.	SASIDHARAN J	Virtusa	5,50,000
22.	SATHYA. M	Virtusa	5,50,000
23.	SHOFIA ANGEL A	Virtusa	5,50,000
24.	SHRI JAYARAM K	Virtusa	5,50,000
25.	SHRUTI. R	Virtusa	5,50,000
26.	SNEGA P	Virtusa	5,50,000
27.	SURIYAGANESH.V	Virtusa	5,50,000
28.	SUVETHA.A	Virtusa	5,50,000
29.	SWEDHA. K	Virtusa	5,50,000
30.	VADAPALLI SRIDIVYA	Virtusa	6,50,000
31.	CHAARUMATHE. R	TCS – Digital	7,00,000
32.	DEEBAN S	TCS – Digital	7,00,000
33.	HARINI. M	TCS – Digital	7,00,000
34.	NIVEDHA. I	TCS – Digital	7,00,000
35.	PRIYADHARSHINI. M	TCS – Digital	7,00,000
36.	VENU ARAVINDAN. K	TCS – Digital	7,00,000
37.	GAYATHRI C	CTS – GenCNext	6,75,000
38.	GOWTHAMI .S	CTS – GenCNext	6,75,000
39.	BAARKAVI G	CTS – GenCPro	5,40,000
40.	GOKULADHARSHANI R	CTS – GenCPro	5,40,000
41.	JAYASURYA. S	CTS – GenCPro	5,40,000

42.	LALITASHALINI R	CTS – GenCPro	5,40,000
43.	MADHUVANTHI L	CTS – GenCPro	5,40,000
44.	PAVITHRA R	CTS – GenCPro	5,40,000
45.	PRADEEPKUMAR P	CTS – GenCPro	5,40,000
46.	PRIYADHARSHINI M	CTS – GenCPro	5,40,000
47.	RAKESH S	CTS – GenCPro	5,40,000
48.	RATNA POOJITHA SINGAMSETTY	CTS – GenCPro	5,40,000
49.	SAI AKSHITHA SINGAMSETTY	CTS – GenCPro	5,40,000
50.	SOMESHWAR V	CTS – GenCPro	5,40,000
51.	SUJITHA B	CTS – GenCPro	5,40,000
52.	PARKAVI. R	CTS GenC Elevate	4,50,000
53.	SAMHITHA A	CTS GenC Elevate	4,50,000
54.	VIJI D	CTS GenC Elevate	4,50,000
55.	AADITYA V	CTS – GenC	4,00,000
56.	AJAY I	CTS – GenC	4,00,000
57.	ASHATHULLA .J	CTS – GenC	4,00,000
58.	BALACHANDAR R	CTS – GenC	4,00,000
59.	BALAJI. V	CTS – GenC	4,00,000
60.	DEEBAN S	CTS – GenC	4,00,000
61.	GUNALAN. G	CTS – GenC	4,00,000
62.	HARISH KUMAAR. S	CTS – GenC	4,00,000
63.	HEMACHANDRAN G	CTS – GenC	4,00,000
64.	HEMESH D	CTS – GenC	4,00,000
65.	JANANI G	CTS – GenC	4,00,000
66.	JEANNOT APPOLAIRE S	CTS – GenC	4,00,000
67.	JESVANTHINI T	CTS – GenC	4,00,000
68.	KAVIYA P	CTS – GenC	4,00,000
69.	LAKSHMIBHARATHI S	CTS – GenC	4,00,000
70.	MAGESH. R	CTS – GenC	4,00,000
71.	MANORANJAN. S.K.	CTS – GenC	4,00,000
72.	PREETHI.R	CTS – GenC	4,00,000
73.	PRIYANKA V	CTS – GenC	4,00,000
74.	PROSPER MARTIAL. B	CTS – GenC	4,00,000
75.	RAGAPRIYA V	CTS – GenC	4,00,000
76.	RAHUL. K	CTS – GenC	4,00,000
77.	RASIIKA R	CTS – GenC	4,00,000
78.	RUTHRA KUMAR. K	CTS – GenC	4,00,000
79.	SARAN RAJ KV	CTS – GenC	4,00,000
80.	SARATH. S	CTS – GenC	4,00,000
81.	SASINDRANATH P	CTS – GenC	4,00,000
82.	SATHEESHWAR K	CTS – GenC	4,00,000
83.	SHARUCK J	CTS – GenC	4,00,000
84.	SNEGA P	CTS – GenC	4,00,000
85.	SOWMIYA S	CTS – GenC	4,00,000
86.	SRIANITHA K	CTS – GenC	4,00,000
87.	SRIDHARSHINNY. S	CTS – GenC	4,00,000
88.	SRIVARSHAN S	CTS – GenC	4,00,000
89.	SUNDARA SKANDAN. K	CTS – GenC	4,00,000
90.	SURYAPRAKASH P	CTS – GenC	4,00,000
91.	VIGNESH RAJAN.S	CTS – GenC	4,00,000
92.	VIGNESH D	CTS – GenC	4,00,000

93.	YOGESHWAR P	CTS – GenC	4,00,000
94.	RENITHA.K	Caratlane	4,00,000
95.	SAI KISHORE RAO. K	Caratlane	4,00,000
96.	DHANANJAY GANESH G	FABC	10,00,000
97.	PROSPER MARTIAL. B	FABC	10,00,000
98.	THAMARAISELVAN.N	FABC	10,00,000
99.	LAKSHMI BHARATHI .S	Ford Motors - PEGA	6,00,000
100.	YOKESH KUMAR.M	Ford Motors - PEGA	6,00,000
101.	SAI PRASANNA.D.P	Integra	3,50,000
102.	JAIVARSHA. S	Integra	1,80,000
103.	KAVIYA.S	Integra	1,80,000
104.	MOHAMED FARHAAN. H	Integra	1,80,000
105.	MOKSHA PRIYA. R.M.	Integra	1,80,000
106.	MUHAMMAD GHUFRAN. A	Integra	1,80,000
107.	SARAH PRIYADARSHINI. P	Integra	1,80,000
108.	SRI AMIRTHA. K	Integra	1,80,000
109.	SUBASHINI. M	Integra	1,80,000
110.	KEERTHIVASAN. P	Integra	1,80,000
111.	KUMARAN T	Just Dial	3,00,000
112.	MAHESWARAN B	Just Dial	3,00,000
113.	SANTHOSH KUMAR R	Just Dial	3,00,000
114.	UNNIKRISHNAN M	Just Dial	3,00,000
115.	SARAN .G	KAAR	6,50,000
116.	ANAND NARAYANAN. S	KAAR	6,50,000
117.	VENU ARAVINDAN. K	KAAR	6,50,000
118.	ASHATHULLA .J	KAAR	6,50,000
119.	RAGULE G	Movate (formally CSS Corp)	3,20,000
120.	DAYASHREE V.E	Movate (formally CSS Corp)	2,00,000
121.	BHAVANI V	PEGA Accenture	4,50,000
122.	GOKUL T	PEGA Accenture	4,50,000
123.	JAYASURYA. S	PEGA Accenture	4,50,000
124.	ABHIRAM.P	PEGA TCS - Digital	7,00,000
125.	BHAVANI V	PEGA TCS - Digital	7,00,000
126.	DEVABALAN. R	PEGA TCS - Ninja	3,86,000
127.	JAYASURYA. S	PEGA TCS - Ninja	3,86,000
128.	VADAPALLI SRIDIVYA	PEGA TCS - Ninja	3,86,000
129.	PRAVEEN KUMAR.R	PEGA TCS - Ninja	3,86,000
130.	RAGAPRIYA. V	PEGA - Hexaware	6,00,000
131.	SARATH. S	PEGA - Hexaware	6,00,000
132.	VADAPALLI SRIDIVYA	PEGA - Hexaware	6,00,000
133.	LAKSHMI BHARATHI .S	PEGA - Infosys	4,40,000
134.	YOKESH KUMAR.M	PEGA - Infosys	4,40,000
135.	VIDJAY RATTINAME.R	Socite Generale	6,60,000
136.	LOKESH. B	Sopra Steria	6,00,000
137.	LOKESH. B	CTS GenC	4,00,000
138.	MAGESH. R	Sopra Steria	6,00,000
139.	SAMHITHA A	Sopra Steria	6,00,000
140.	SRIVARSHAN.S	Sopra Steria	6,00,000
141.	VIJI D	Sopra Steria	6,00,000
142.	ADHITHYAN. A	TCS Ninja	3,36,000

143.	ALAN XAVIER MARTIAL. A	TCS Ninja	3,36,000
144.	AMIRTHA. E	TCS Ninja	3,36,000
145.	ANAND NARAYANAN. S	TCS Ninja	3,36,000
146.	ASHATHULLA . J	TCS Ninja	3,36,000
147.	AVINASH.D	TCS Ninja	3,36,000
148.	BALACHANDAR R	TCS Ninja	3,36,000
149.	BALAJI. V	TCS Ninja	3,36,000
150.	BASHITHAHAMED.H	TCS Ninja	3,36,000
151.	CHINTA VEERA VENKATA SUDEEP	TCS Ninja	3,36,000
152.	DEVA SANJAY. T	TCS Ninja	3,36,000
153.	DHANA PRIYA. R	TCS Ninja	3,36,000
154.	DHANA PRIYA. R	CTS GenC	4,00,000
155.	GOPINATH. B	TCS Ninja	3,36,000
156.	HARISH KUMAAR. S	TCS Ninja	3,36,000
157.	HARITHA. D	TCS Ninja	3,36,000
158.	HEMACHANDRAN G	TCS Ninja	3,36,000
159.	HIRESHKEERTHY.V	TCS Ninja	3,36,000
160.	INIYAN. S	TCS Ninja	3,36,000
161.	JAYA VIGNESH. J	TCS Ninja	3,36,000
162.	JAYANTHI. K	TCS Ninja	3,36,000
163.	JAYANTHI. K	CTS GenC	4,00,000
164.	JAYASHANKARAN.V	TCS Ninja	3,36,000
165.	KAVIPRIYA. P	TCS Ninja	3,36,000
166.	KISHORRE RAJ .M	TCS Ninja	3,36,000
167.	LAKSHMI BHARATHI .S	TCS Ninja	3,36,000
168.	LALITASHALINI.R	TCS Ninja	3,36,000
169.	MADHUVANTHI. L	TCS Ninja	3,36,000
170.	MANORANJAN. S.K.	TCS Ninja	3,36,000
171.	MITHRA . C	TCS Ninja	3,36,000
172.	MITHUNKUMAR. S	TCS Ninja	3,36,000
173.	MUPPINA LAKSHMAN SAI	TCS Ninja	3,36,000
174.	NANDHINI. I	TCS Ninja	3,36,000
175.	NIVASHINIYA.R	TCS Ninja	3,36,000
176.	PARKAVI. R	TCS Ninja	3,36,000
177.	RAHUL. K	TCS Ninja	3,36,000
178.	RAKESH S	TCS Ninja	3,36,000
179.	RUTHRA KUMAR. K	TCS Ninja	3,36,000
180.	SAKTHI. V	TCS Ninja	3,36,000
181.	SARATH. S	TCS Ninja	3,36,000
182.	SATHEESHWAR. K	TCS Ninja	3,36,000
183.	SINGAMSETTY RATNA POOJITHA	TCS Ninja	3,36,000
184.	SINGAMSETTY SAI AKSHITHA	TCS Ninja	3,36,000
185.	SOMESVAR .V	TCS Ninja	3,36,000
186.	SRI ANITHA. K	TCS Ninja	3,36,000
187.	SRIVARSHAN.S	TCS Ninja	3,36,000
188.	SRIVISHNU. B	TCS Ninja	3,36,000
189.	SUDHERSANAN K	TCS Ninja	3,36,000
190.	SUJITHA.B	TCS Ninja	3,36,000
191.	SUNDARA SKANDAN. K	TCS Ninja	3,36,000
192.	VIDYA .S	TCS Ninja	3,36,000

193.	VIGNESH RAJAN.S	TCS Ninja	3,36,000
194.	VIGNESH. S	TCS Ninja	3,36,000
195.	VIGNESH. D	TCS Ninja	3,36,000
196.	VISHNUPRIYA. A	TCS Ninja	3,36,000
197.	YOGESHWAR. P	TCS Ninja	3,36,000
198.	GURURAJ	TCS Ninja	3,36,000
199.	KISHORRE RAJ .M	CTS GenC	4,00,000
200.	SAKTHI. V	CTS GenC	4,00,000

## 7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1	Deepak.S	Leeds Beckett university,UK	MS.Cyber Security and Digital Corensics
2	Sivaraman.K	SMVEC	MBA
3	Kavitha.A.L	MIT	MBA
4	Aishwarya.S	PU	MBA

## 7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
1	Sankar.S	Swas Academy	Training	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
1.	Exploring Ethical Considerations of AI&ML	TECHKNOCKS	05.11.2022	Department Level	60
2.	Cyber Security: Safeguard digital Assets & Protect Against Cyber Attacks	TECHKNOCKS	12.11.2022	Department Level	60
3.	Internet of things(IOT) Transforming industries & Smart Cities	TECHKNOCKS	26.11.2022	Department Level	60
4.	Block Chain Technology: Exploring use Cases And Potential	TECHKNOCKS	30.11.2022	Department Level	55

	Disruptions				
5.	Data science & Analytics: Power of Data Visualization & Predictive Analytics	TECHKNOCKS	03.12.2022	Department Level	60
6.	AR and VR	TECHKNOCKS	10.12.2022	Department Level	56
7.	Cloud Computing: Discussing The Benefits and Challenges	TECHKNOCKS	14.12.2022	Department Level	54
8.	Quantum Computing: Principles & Its Potential	TECHKNOCKS	17.12.2022	Department Level	60
9.	5G And Future of Connectivity & Communication	TECHKNOCKS	24.12.2022	Department Level	60
10.	Robotics And Automation: Advancements & Implications	TECHKNOCKS	28.12.2022	Department Level	58
11.	Natural Language Processing (NLP): Advancement	TECHKNOCKS	31.12.2022	Department Level	60

## 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
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## 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	KALAIARASAN.S PRABHAKARAN.S	Innovator's Day Project Contest	Sri Manakula Vinayagar Engineering College	1 <sup>st</sup> Prize Rs.7000 And Certificate
2	JAYASURYA	Innovator's Day	Sri Manakula	2 <sup>nd</sup> Prize(Rs.5000)

2	GOKUL SASIDHARAN	Project Contest	Vinayagar Engineering College	
3	NISHATHINI	Innovator's Day Project Contest	Sri Manakula Vinayagar Engineering College	3 <sup>rd</sup> Prize
4	S. KALAIARASAN S. PRABHAKARAN	Technovation	Mailam Engineering College	1 <sup>st</sup> Prize Rs.3000
5	MOHAMMED IBRAHIM. N RANJITHKUMAR. T KISHOOR. T	MCCEES - Code Debugging	Acharya Engineering College	1 <sup>st</sup> Prize Headset And Certification
6	VISHNUPRASATH. R.S. THAMARAIVALAVAN. M	MCCEES - Code Debugging	Acharya Engineering College	2 <sup>nd</sup> Prize Bluetooth Speaker
7	MOHAMMED IBRAHIM. N RANJITHKUMAR. T KISHOOR. T	MCCEES – Onspot Code Development	Acharya Engineering College	2 <sup>nd</sup> Prize

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

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

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1.	Dr.M.Ganesan	Electronic Government, an International Journal (Reviewer)
2.	Dr.J.Raja	Measurements and Sensors,Elsevier Publication Journal of Super Computing, Springer Cybernetics(Taylor and Francis) Automatika(Taylor and Francis)

**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.C.Kalpana	Best Spoke,ICT Academy

**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. T. Megala	Data Analytics using Python	ICT Academy	5 days
2.	Mrs.C.Kalpana	Data Analytics using Python	ICT Academy	5 days

3.	Mr.Arokiaraj	Data Analytics using Python	ICT Academy	5 days
4.	Mr.B.Thiyagarajan	Data Analytics using Python	ICT Academy	5 days
5.	Dr.R.Ramachandiran	Service Now	ICT Academy	9 days
6.	Dr.J.Raja	Adobe Aictc digital creativity skill workshop	AICTE	5 day

**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:**

<b>Section</b>	<b>Remarks</b>
Curricular Aspects	Nil
Teaching, Learning and Evaluation	Nil
Structured Feedback	Nil
Research, Innovation and Publications	Nil
Collaborations and Linkages	Need to concentrate on MoUs
Student Progression	Nil
Activity Conducted / Organized by the Department	Need to organize more events
Achievements	Faculties should participate more events
General Remarks	Nil

**Signature of the Internal Academic Audit Experts**

  
**Dr.A.Jayachithra,**  
Associate Professor/ECE,  
Sri Manakula Vinayagar Engineering College.

  
**Dr.A.G.Ganeshkumar,**  
Associate Professor/Mech,  
Sri Manakula Vinayagar Engineering College.





**SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE**

An Autonomous Institution,

Accredited by NAAC with 'A' grade  
Puducherry - 605 107



**INTERNAL QUALITY ASSURANCE CELL**

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**ACADEMIC AND ADMINISTRATIVE AUDIT**

**DEPARTMENT OF  
INFORMATION TECHNOLOGY**





**ACADEMIC AND ADMINISTRATIVE AUDIT**

(Academic Year 2022-2023)

Internal Audit

**SECTION -1: BASIC INFORMATION**

Audit Date	19.01.2023																					
Name of the Department	Information Technology																					
Year of Establishment	1999																					
Programs Offered	<table border="1"> <tr> <td>Name of the Program</td> <td>Approved Intake</td> </tr> <tr> <td>B.Tech (Information Technology)</td> <td><b>180</b></td> </tr> <tr> <td>M.Tech (Networking)</td> <td><b>18</b></td> </tr> </table>		Name of the Program	Approved Intake	B.Tech (Information Technology)	<b>180</b>	M.Tech (Networking)	<b>18</b>														
Name of the Program	Approved Intake																					
B.Tech (Information Technology)	<b>180</b>																					
M.Tech (Networking)	<b>18</b>																					
Head of the Department	<b>Dr.R. Raju, Professor</b>																					
Number of full time Teachers	Professor	<b>1</b>																				
	Associate Professor	<b>7</b>																				
	Assistant Professor	<b>38</b>																				
Number of Technical Staff																						
Number of Students	For B.Tech: <table border="1"> <tr> <td>Year</td> <td>Strength</td> </tr> <tr> <td>First Year</td> <td><b>Nil</b></td> </tr> <tr> <td>Second Year</td> <td><b>186</b></td> </tr> <tr> <td>Third Year</td> <td><b>160</b></td> </tr> <tr> <td>Fourth Year</td> <td><b>161</b></td> </tr> <tr> <td>Total</td> <td><b>507</b></td> </tr> </table>	Year	Strength	First Year	<b>Nil</b>	Second Year	<b>186</b>	Third Year	<b>160</b>	Fourth Year	<b>161</b>	Total	<b>507</b>	For M.Tech <table border="1"> <tr> <td>Year</td> <td>Strength</td> </tr> <tr> <td>First Year</td> <td><b>0</b></td> </tr> <tr> <td>Second Year</td> <td><b>0</b></td> </tr> <tr> <td>Total</td> <td><b>0</b></td> </tr> </table>	Year	Strength	First Year	<b>0</b>	Second Year	<b>0</b>	Total	<b>0</b>
Year	Strength																					
First Year	<b>Nil</b>																					
Second Year	<b>186</b>																					
Third Year	<b>160</b>																					
Fourth Year	<b>161</b>																					
Total	<b>507</b>																					
Year	Strength																					
First Year	<b>0</b>																					
Second Year	<b>0</b>																					
Total	<b>0</b>																					
Faculty Student Ratio	<b>1:15</b>																					

**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	All the Programs in UG and PG	IV/VII, II/IV, I/II
2	Dr.R.Saravanan	Internal Member	Green Computing - V 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	A.Sarkunavathi	Internal Member	Cloud computingis wage needs to be modified	IV/VII
5	R.Ramji	Internal Member	Data Science and Analytics - Unit V additional applications need to be added	IV/VII
6	J. Shankardevi	Internal Member	Wireless sensor networkis wage needs to be modified	IV/VII
7	K.Sandia	Internal Member	CompterVision - Unit VI additional applications need to be added	II/IV
8	S.Pramila	Internal Member	Robotics Process automation - Unit V additional applications need to be added	IV/VII
9	Dr. M. RAJESWARI	Internal Member	Object Oriented Analysis and Design - unit 3 advanced concept need to be added	II/IV
10	Sathish Krishna K	Internal Member	Information Coding Techniques be added more examples in unit 3	II/IV
11	K.Anupriya	Internal Member	Programming in C - Examples in unit 4	I/II
12	S.Vinodhini	Internal Member	Computer Organization and Architecture – V unit should be rearranged	I/II
13	E.Valarmathi	Internal Member	Web Application Developmentin - Unit 4 added more examples	II/IV
14	G.Prabu	Internal Member	Front End Web Development - Unit V added new applications	I/II
15	S.Giridharan	Internal Member	Information Systems: Theory and Applicationsis - wage needs to be modified	I/II
16	Dr.M.Anousouya Devi	Internal Member	Machine Learning - Unit V additional applications need to be added	IV/VII
17	N.Vijayalakshmi	Internal Member	Programming in Java specialization in specific domain to be added in Unit V	II/IV

### 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	Professional Elective – I :Computer Vision	U20ITE402	50
2.	II/IV	Professional Elective – I :Object Oriented Analysis and Design	U20ITE403	110
3.	IV/VII	Professional Elective – IV :Machine Learning	U19ITE71	51
4.	IV/VII	Professional Elective – IV :Green Computing	U19ITE75	110

### 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	II/IV	AI&DS	Knowledge Representation and Reasoning	U20AD0401	50
2	II/IV	AI&DS	Introduction to Data Science	U20ADO402	60
3	II/IV	ICE	Sensors and Transducers	U20ICO401	50
4	IV/VII	AI&DS	Data Science Application of NLP	U19ADO73	41
5	IV/VII	ECE	IoT and its Applications	U19ECO75	120

### 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	178
2	II/IV	Skill Development Course-3 General Aptitude-II	U20ITS403	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	Certification Course II: Web Programming - II	U20ITC291	178
2.	II/IV	Certification Course – IV : Android Programming	U20ITC407	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	U20ITM202	178
2	II/IV	NSS	U20ITM404	160

**SECTION –3: TEACHING, LEARNING AND EVALUATION**

**3.1 Course Delivery**

**Semester – I/II (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.	U20BST215 Engineering Mathematics – II	Mr.M.Devananthan	60	60	60
		Mrs. T. Kalaiselvi			
2.	U20EST201 Programming in C	Mrs.E.Valarmathi	45	45	45
		Mrs.M.Lakshmiprabha			
		Mrs.C.Vanaja			
3.	U20ITT201 Microprocessors and Microcontrollers	Dr. S. PremKumar	45	45	45
		Ms. B. Menaga			
		Mrs.R. Augastiny			
4.	U20ITT202 Front End Web Development	Mrs.M.Banupriya	45	45	45
		Mr. E. Rajkumar			
		Mr.S.Thamaraikannan			
5.	U20ITT203 Computer Organization and Architecture	Dr. R. Raju	45	45	45
		Dr.N.Thilagavathi			
		Mr.V.Vijayakaran			
6.	U20ITT204 Information Systems: Theory and Applications	Dr.S.Balaji	45	45	45
		Ms.K.Sandia			
		Ms.K.Sandia			
7.	U20ESP202 Programming in C Laboratory	Mrs.E.Valarmathi	30	30	30
		Mrs.M.Lakshmiprabha			
		Mrs.C.Vanaja			
8.	U20ITP201 Microprocessors and Microcontrollers Laboratory	Dr. S. PremKumar	30	30	30
		Ms. B. Menaga			
		Mrs.R. Augastiny			
9.	U20ITP202 Front End Web Development Laboratory	Mrs.M.Banupriya	30	30	30
		Mr. E. Rajkumar			
		Mr.S.Thamaraikannan			

Semester – II/IV (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	Discrete Mathematics and Graph Theory	Mr.M. Devanathan	60	60	60
		Mr.K.Gurusamy			
		Mr.M. Devanathan			
2	Programming in Java	Mr.K.Shanmugaraja	45	45	45
		Dr.M.Anousouya Devi			
		Mr.A.Naveenraj			
3	Operating System	Mr.S.Ravivarman	45	45	45
		Mrs.K.Bhavani			
		Mrs.K.Anupriya			
4	Web Application Development	Mr.S.Pramila	45	45	45
		Mr.A.Kailas			
		Mr.P.Praveenkumar			
5	Object Oriented Analysis and Design	Dr.M.Rajeswari	45	45	45
	Object Oriented Analysis and Design	Dr.R.Saravanan			
	Computer Vision	Mr.R.Ramji			
6	Knowledge Representation and Reasoning	Ms.P.GeethaLakshmi	45	45	45
	Sensors and Transducers	Ms.P.Kiruthika			
	Introduction to Data Science	Ms.V.Shivaeshwary			
7	General Proficiency - II	Ms.R.Gajalakshmy	30	30	30
		Ms.R.Gajalakshmy			
		Ms.R.Gajalakshmy			
8	Operating System Laboratory	Mr.S.Ravivarman	30	30	30
		Mrs.K.Bhavani			
		Mrs.K.Anupriya			
9	Web Application Development Laboratory	Mr.S.Pramila	30	30	30
		Mr.A.Kailas			
		Mr.P.Praveenkumar			
10	Programming in Java Laboratory	Mr.K.Shanmugaraja	30	30	30
		Dr.M.Anousouya Devi			
		Mr.A.Naveenraj			
11	Skill Development Course 3-General Aptitude-II	Ms.K.Sandia	30	30	30
		Mr.S.Mohankumar			
		Mr.R.Ramji			
12	NSS	Mr.S.Ravivarman	15	15	15
		Mr.K.Sathish Krishna			
		Mr.K.Sathish Krishna			

**Semester – IV/VII (2019-2023)**

1.	U19ITP72 Cloud Computing	Mr. R. Suresh Mrs.A.Sargunavathi Mrs.S.Pushpavalli	45	45	45
2.	U19ITT72 Data Science and Analytics	Mr.P.S.Vijayabaskaran			
		Mr.G. Prabu			
		Mr.B. Vijayakumar			
3.	U20ITE720 Green Computing	Mrs.K.Gowrisubadra	45	45	45
		Mr.K.Sathish Krishna			
4.	U19ITE71 Machine Learning	Mr.S.Mohankumar	45	45	45
5.	U19ECO79 IOT and Its Application	Ms.K.Archana	45	45	45
		Mrs.R. Augastiny			
6.	U19ADO73 Data Science Application of NLP	Ms.S.Aishwarya	45	45	45
7.	U19ITP71 Business Basics for Entrepreneurs	Mr.Santhosh	30	30	30
8.	U19ITP72 Cloud Computing Laboratory	Mr. R. Suresh	30	30	30
		Mrs.A.Sargunavathi			
		Mrs.S.Pushpavalli			
9.	U19ITP73 Data Science Laboratory	Mr.P.S.Vijayabaskaran	30	30	30
		Mr.G. Prabu			
		Mr.B. Vijayakumar			
10.	U19ITP74 Comprehensive Viva Voce	Mr.V.Vijayakaran	30	30	30
		Mr.S.Mohankumar			
		Mr.R.Ramji			
11.	U19ITW71 Project Phase I	Dr.R.Raju/ Dr.M.Anousouyadevi	60	60	60
		Dr.N.Thilagavathi/ Dr.M.Rajeswari			
		Dr. R. Saravanan / Dr. S. Balaji			
12.	U19ITW72 Industrial Training/ Internship	Mr.R.Suresh	30	30	30

### 3.2 Use of ICT Tools in Teaching Learning

Semester – I/II(2021-2025)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1.	Mr.M.Devananthan	U20BST215	Black board, PPT
	Mrs. T. Kalaiselvi	Engineering Mathematics – II (Multiple Integrals and Transforms)	
2.	Mrs.E.Valarmathi	U20EST201	PPT
	Mrs.M.Lakshmiprabha	Programming in C	
	Mrs.C.Vanaja		
3.	Dr. S. PremKumar	U20ITT201 Microprocessors and Microcontrollers	PPT
	Ms. B. Menaga		
	Mrs.R. Augastiny		
4.	Mrs.M.Banupriya	U20ITT202 Front End Web Development	PPT
	Mr. E. Rajkumar		
	Mr.S.ThamaraiKannan		
5.	Dr. R. Raju	U20ITT203 Computer Organization and Architecture	PPT
	Dr.N.Thilagavathi		
	Mr.V.Vijayakaran		
6.	Dr.S.Balaji	U20ITT204 Information Systems: Theory and Applications	PPT
	Ms.K.Sandia		
	Ms.K.Sandia		
7.	Ms.K.Sandia	U20ESP202 Programming in C Laboratory	MANUAL/WORK BOOK
	Mrs.E.Valarmathi		
	Mrs.M.Lakshmiprabha		
8.	Mrs.C.Vanaja	U20ITP201 Microprocessors and Microcontrollers Laboratory	MANUAL/WORK BOOK
	Dr. S. PremKumar		
	Ms. B. Menaga		
9.	Mrs.R. Augastiny	U20ITP202 Front End Web Development Laboratory	MANUAL/WORK BOOK
	Mrs.M.Banupriya		
	Mr. E. Rajkumar		

Semester – II/IV (2020-2024)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1.	Mr.M. Devanathan	Discrete Mathematics and Graph Theory	PPT
	Mr.K.Gurusamy		
	Mr.M. Devanathan		
2.	Mr.K.Shanmugaraja	Programming in Java	PPT
	Dr.M.Anousouya Devi		
	Mr.A.Naveenraj		
3.	Mr.S.Ravivarman	Operating System	PPT
	Mrs.K.Bhavani		
	Mrs.K.Anupriya		
4.	Mr.S.Pramila	Web Application Development	PPT
	Mr.A.Kailas		
	Mr.P.Praveenkumar		
5.	Dr.M.Rajeswari	Object Oriented Analysis and Design	PPT
	Dr.R.Saravanan	Object Oriented Analysis and Design	
	Mr.R.Ramji	Computer Vision	
6.	Ms.P.GeethaLakshmi	Knowledge Representation and Reasoning	PPT
	Ms.P.Kiruthika	Sensors and Transducers	
	Ms.V.Shivaeeshwary	Introduction to Data Science	
7.	Ms.R.Gajalakshmy	General Proficiency - II	PPT
8.	Mr.S.Ravivarman	Operating System Laboratory	MANUAL/WORKBOOK
	Mrs.K.Bhavani		
	Mrs.K.Anupriya		
9.	Mr.S.Pramila	Web Application Development Laboratory	MANUAL/WORKBOOK
	Mr.A.Kailas		
	Mr.P.Praveenkumar		
10.	Mr.K.Shanmugaraja	Programming in Java Laboratory	MANUAL/WORKBOOK
	Dr.M.Anousouya Devi		
	Mr.A.Naveenraj		

Semester – IV/VII (2019-2023)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr. R. Suresh	U19ITP72 Cloud Computing	PPT
	Mrs.A.Sargunavathi		
	Mrs.S.Pushpavalli		
2	Mr.P.S.Vijayabaskaran	U19ITT72 Data Science and Analytics	PPT
	Mr.G. Prabu		
	Mr.B. Vijayakumar		
3	Mrs.K.Gowrisubadra	U20ITE720 Green Computing	PPT
	Mr.K.Sathish Krishna		
4	Mr.S.Mohankumar	U19ITE71 Machine Learning	PPT
5	Ms.K.Archana	U19ECO79 IOT and Its Application	PPT
	Mrs.R. Augastiny		
6	Ms.S.Aishwarya	U19ADO73 Data Science Application of NLP	PPT
7	Mr.Santhosh	U19ITP71 Business Basics for Entrepreneurs	PPT
8	Mr. R. Suresh	U19ITP72 Cloud Computing Laboratory	MANUAL/WORKBOOK
	Mrs.A.Sargunavathi		
	Mrs.S.Pushpavalli		
9	Mr.P.S.Vijayabaskaran	U19ITP73 Data Science Laboratory	MANUAL/WORKBOOK
	Mr.G. Prabu		
	Mr.B. Vijayakumar		
10	Mr.V.Vijayakaran	U19ITP74 Comprehensive VIVA VOICE Internship	PPT
	Mr.S.Mohankumar		
	Mr.R.Ramji		
11	Dr.R.Raju/ Dr.M.Anousouyadevi	U19ITW71 Project Phase I	PPT
	Dr.N.Thilagavathi/ Dr.M.Rajeswari		
	Dr. R. Saravanan / Dr. S. Balaji		
12	Mr.R.Suresh	U19ITW72 Industrial Training/ Internship	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	Web Design using PHP	Mr.Vignesh,Founder,Vebbox Software Solutions	25.06.2022	186
2	Java Programming	Mr.Anandakumar, Assistant Professor, Madanapalle Institute of Technology & Science	02.07.2022	160
3	Information systems	Mr.Selvaganapathy, Manager, AICL	09.07.2022	186
4	User Interface/User Experience Design	Mr.K.Thivagar Natesh, UI/UX Designer, HackerEarth, Bangalore	23.07.2022	160
5	Web Development Platforms	Mr.Balamurugan, Software Engineer, IINVSYS, Chennai	30.07.2022	186
6	Building Effective Communication Skills	Mr.Jackson, Communication Trainer, Seven Angels Academy	13.08.2022	186
7	Introduction to computer vision	Mr.A.Albert Alex, Cofounder, Cspike Technologies	20.08.2022	160
8	Data Analytics using Python	Mrs.K.Sivaselvi, DataScientist, Straive Technologies	17.06.2022	161
9	Machine Learning using Python	Mrs.K.Sivaselvi, DataScientist, Straive Technologies, Chennai	03.09.2022	161
10	Basics of Research Paper Writing & Publishing(p)	Dr.S.Mohan, Assistant Professor, Annamalai University.	10.09.2022	161
11	How to clear the GRE Exams	Ms.Vatchala, Freelance Trainer, Pondicherry	29.10.2022	160
12	Cassandra Database	Dr.P.Sudhakar, Associate Professor, Annamalai University.	05.11.2022	160
13	Advanced Python Programming	Mr.Vignesh, Managing Director, Vebbox Software Solutions.	12.11.2022	160
14	Block Chain Technology and Its Future	Mr.Selvaganapathy, AICL, Chennai.	26.11.2022	160
15	Modernization of Application Development	Mr.V.Hariram, Senior software Engineer, Fullstack Developer, Financial Software Systems, Chennai.	19.11.2022	186
16	Insights on Data Structures	Mr.K.Rohith, Senior Software Developer, Poshmark India Private Limited, Chennai.	19.11.2022	186
17	Mobile Application Development with NoSQL Firebase Database	Mr.V.Ariharan, Software Engineer, Cognizant Technology Solutions Corp, Chennai.	03.12.2022	186
18	Modernization of Application Development	Mr.V.Hariram, Senior software Engineer, Fullstack Developer, Financial Software Systems, Chennai.	19.11.2022	160

### 3.4 Activities for Slow and Advanced Learners

Semester – I/II(2021-2025)

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
		Mrs. T. Kalaiselvi	Yes	8	Yes
			Yes	8	Yes
2.	U20EST201 Programming in C	Mrs.E.Valarmathi	Yes	8	Yes
		Mrs.M.LakshmiPrabha	Yes	8	Yes
		Mrs.C.Vanaja	Yes	8	Yes
3.	U20ITT201 Microprocessors and Microcontrollers	Dr. S. PremKumar	Yes	8	Yes
		Ms. B. Menaga	Yes	8	Yes
		Mrs.R. Augastiny	Yes	8	Yes
4.	U20ITT202 Front End Web Development	Mrs.M.Banupriya	Yes	8	Yes
		Mr. E. Rajkumar	Yes	8	Yes
		Mr.S.Thamaraikannan	Yes	8	Yes
5.	U20ITT203 Computer Organization and Architecture	Dr. R. Raju	Yes	8	Yes
		Dr.N.Thilagavathi	Yes	8	Yes
		Mr.V.Vijayakaran	Yes	8	Yes
6.	U20ITT204 Information Systems: Theory and Applications	Dr.S.Balaji	Yes	8	Yes
		Ms.K.Sandia	Yes	8	Yes
		Ms.K.Sandia	Yes	8	Yes

Semester – II/IV (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.	Discrete Mathematics and Graph Theory	Mr.M. Devanathan	Yes	8	Yes
		Mr.K.Gurusamy	Yes	8	Yes
		Mr.M. Devanathan	Yes	8	Yes
2.	Programming in Java	Mr.K.Shanmugaraja	Yes	8	Yes
		Dr.M.Anousouya Devi	Yes	8	Yes
		Mr.A.Naveenraj	Yes	8	Yes
3.	Operating System	Mr.S.Ravivarman	Yes	8	Yes
		Mrs.K.Bhavani	Yes	8	Yes
		Mrs.K.Anupriya	Yes	8	Yes

4.	Web Application Development	Mr.S.Pramila	Yes	8	Yes
		Mr.A.Kailas	Yes	8	Yes
		Mr.P.Praveenkumar	Yes	8	Yes
5.	Object Oriented Analysis and Design	Dr.R.Saravanan	Yes	8	Yes
	Object Oriented Analysis and Design	Mr.S.Giridharan	Yes	8	Yes
	Computer Vision	Mrs.K.Gowrisubadra	Yes	8	Yes
6.	Knowledge Representation and Reasoning	Ms.P.GeethaLakshmi	Yes	8	Yes
	Sensors and Transducers	Ms.P.Kiruthika	Yes	8	Yes
	Introduction to Data Science	Ms.V.Shivaeehwary	Yes	8	Yes

**Semester – IV/VII (2019-2023)**

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.	U19ITP72 Cloud Computing	Mr. R. Suresh	Yes	8	Yes
		Mrs.A.Sargunavathi	Yes	8	Yes
		Mrs.S.Pushpavalli	Yes	8	Yes
2.	U19ITT72 Data Science and Analytics	Mr.P.S.Vijayabaskaran	Yes	8	Yes
		Mr.G. Prabu	Yes	8	Yes
		Mr.B. Vijayakumar	Yes	8	Yes
3.	U20ITE720 Green Computing	Mrs.K.Gowrisubadra	Yes	8	Yes
		Mr.K.Sathish Krishna	Yes	8	Yes
4.	U19ITE71 Machine Learning	Mr.S.Mohankumar	Yes	8	Yes
			Yes	8	Yes
5.	U19ECO79 IOT and Its Application	Ms.K.Archana	Yes	8	Yes
		Mrs.R. Augastiny	Yes	8	Yes
6.	U19ADO73 Data Science Application of NLP	Ms.S.Aishwarya	Yes	8	Yes
7.	U19ITP71 Business Basics for Entrepreneurs	Mr.Santhosh	Yes	8	Yes

### 3.5 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
507	44	1:13

### 3.6 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

### 3.7 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	<b>Mention the target:</b> ➤ For the final year (19-23 batch) the set attainment level is 58% of students to secure B grade and above. ➤ For the third year (20-24 batch) the set attainment level is 55% of students to secure B grade and above. ➤ For the Second year (21-25 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

### 3.8 Student Performance in End Semester Examination

Semester – I/II(2021-2025)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	177	
2	Number of All Clear Students	137	
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	40	
7	Passing Percentage	77%	

Semester – II/IV (2020-2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	160	
2	Number of All Clear Students	140	
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	20	
7	Passing Percentage	88%	

Semester – IV/VII (2019-2023)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	161	
2	Number of All Clear Students	156	
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	5	
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	507	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	MrR.Suresh	Research and Development	FABC Dubai	1,00,000	1 Year
2	MrR.Suresh	Research and Development	Unisys, Bangalore	50,000	1 Year
3	MrR.Suresh	Research and Development	Foundation for Advancement of Education and Research	50,000	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 Impact Factors
1	2019-2020	43	32	10	4	3.3648
2	2020-2021	17	15	5	4	2.5336
3	2021-2022	7	6	10	2	1.4325
4	2022-2023	37	19	9		

#### Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	-
Number of Publication in International Journals	03
Number of Publication in National Conferences	01
Number of Publication in International Conferences	09
Number of Books / Book Chapters	07
Number of Patent (Filed)	-
Number of Patents Granted	-
Number of Design Patent (Filed)	01
Number of Design Patent Granted	-

#### 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.	A Survey On Securing The ATM Pin Based On Artificial Intelligence Security	Dr. Puspita Dash	International Journal Of Scientific Research In Science And Technology	Vol.9, Issue.3, Pp.752-756.2022.	Peer reviewed journal
2.	Aggregate Service Using One Stop Shop And Web Crawler In Cloud Computing	Dr. Puspita Dash	International Journal Of Scientific Research In Science And Technology	Vol.9, Issue.3, Pp. 638-641.2022	Peer reviewed journal
3.	A Hybrid Linear Iterative Clustering and Bayes Classification-Based GrabCut Segmentation Scheme for Dynamic Detection of Cervical Cancer	Dr. Anousouya Devi	Applied Sciences	12, 10522, Pp.1-14, ISSN: 2076-3417, Oct 2022	SCIE (Web of Science) 2.9

### 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	Social Service Robot using Gesture recognition Technique	Mr. P. Praveen Kumar	Journal of Physics: Conference Series	4th National Conference on Communication Systems (NCOCS 2022) 23/12/2022 - 23/12/2022 Karaikal, India	2466 (2023) 012020 IOP Publishing doi: 10.1088/issn.1742-6596 Online ISSN: 1742-6596 Print ISSN: 1742-6588	Journal of Physics: Conference Series, Volume 2466,

**International Conference**

S.N o	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publi sher
1	P2p Application For Detection And Classification Of Load Balancing Using Hybrid Software Defined Network	Dr. R. Raju, R. Suresh, E. Rajkumar	Proceedings of International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	978-93-94743-08-3	
2	E-Vehicle Energy Consumption prediction Based On Driver Behaviour	Dr. S. Balaji, Dr.R. Saravanan	Proceedings of International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	978-93-94743-08-3	
3	A Survey Conducted On Traffic Monitoring System With dynamic Counter Time Mutation Using Deep Learning	Dr.R.Saravanan , Dr. S. Balaji	Proceedings of International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	978-93-94743-08-3	
4	A Survey Paper On Cyberstalking sensing In Social Media	Mrs.K. Anupriya, Mr.E.Rajkumar, Mr. S.Giridhran	Proceedings of International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	978-93-94743-08-3	
5	Survey On Sign Language And Gesture Recognition	Mr.P.Praveen Kumar, Mr.B.Vijaya Kumar, , Mr.G.Prabu	Proceedings of International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	978-93-94743-08-3	
6	A Survey On Super Resolution Image For Mammogram Using Hybrid Deep Learning In Resnet Model	Mr.B.Vijaya Kumar, Mr.P.Praveen Kumar, Mr.G.Prabu	Proceedings of International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	978-93-94743-08-3	

7	A Survey On Drug Recommendation System Based on Machine Learning	Mrs. M. Lakshmi prabha, Mrs k. Bhavani, Mr. G. Prabu	Proceedings of International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	978-93-94743-08-3	
8	Video Conferencing Application For People With Speech Impairment Using Image Processing And Deep Learning	K. Gowrisubadr a, Valarmathi .E Dr. M. Anousouya Devi, V.Subha	Proceedings of International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	978-93-94743-08-3	
9	Facial Expression Recognition Based On Artificial Intelligence	Dr.Puspita Dash		International Conference on Emerging Electronics and Automation- E2A 2022		Springer

### Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1.	Title of the Book: Artificial Intelligence	Dr. Puspita Dash	ISBN NO.:978-93-5625-212-7	Scientific International Publishing House (SIPH)
2.	Book Chapter: Detection of DME in OCT Images Based on Histogram Descriptor	Dr. Puspita Dash	Print ISBN: 978-981-19-4299-0, Online ISBN978-981-19-4300-3	Lecture Notes in Electrical Engineering book series (LNEE, volume 937)
3.	Book Chapter: Optimal Cryptographic Approach Based on Secure Post-Quantum Cryptographic Algorithms and Classical Algorithms	Dr. R. Raju Mrs. Kalaiselvi N.	ISBN13: 9781668476796 ISBN10: 1668476797  EISBN13	IGI GLOBAL Stochastic Processes and Their Applications in Artificial Intelligence
4.	Book Chapter: A Survey on Fake News Detection Using Word Embedding Using the Linguistic Features	Dr. Puspita Dash, Mrs. Sakthiyavathi K.	ISBN13: 9781668476796 ISBN10: 1668476797  EISBN13	IGI GLOBAL Stochastic Processes and Their Applications in Artificial Intelligence

5.	Book Chapter: Aggressive Social Media Use Detection Based on Deep Learning	Mrs. Amutha Mrs. S., Umapriya T., Dr. Puspita Dash	ISBN13: 9781668476796 ISBN10: 1668476797  EISBN13	IGI GLOBAL Stochastic Processes and Their Applications in Artificial Intelligence
6.	Book Chapter: Classification of Parkinson's Disease Based on Machine Learning	Dr. Puspita Dash	ISBN13: 9781668476796 ISBN10: 1668476797  EISBN13	IGI GLOBAL Stochastic Processes and Their Applications in Artificial Intelligence
7.	Book Chapter : Voice-Based E-Mail System for Visually Impaired People Using AI Techniques	Dr. Puspita Dash, Mr. Rajkumar E., Mrs. Anupriya K.	ISBN13: 9781668476796 ISBN10: 1668476797  EISBN13	IGI GLOBAL Stochastic Processes and Their Applications in Artificial Intelligence

#### Patent

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

#### 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.	362742-001	08.07.2022	SMART PATIENT ASSISTING DEVICE AND RECEIVER ALARM	Dr. Puspita Dash	27/2022

#### 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.	Mohammed Shalik	Ministry of Cooperation in collaboration with AICTE, Ministry of Education	2 months	07-09-2022	31-12-2023
2.	Sreeparvathy Vs	Virtusa,Chennai	3 months	07-09-2022	31-12-2023

3.	Ashok K	Virtusa,Chennai	3 months	07-09-2022	31-12-2023
4.	Yogalakshmi R	Virtusa,Chennai	3 months	07-09-2022	31-12-2023
5.	Sowgenya R	Virtusa,Chennai	3 months	07-09-2022	31-12-2023
6.	Manyam Sri Hari Priya	Virtusa,Chennai	3 months	07-09-2022	31-12-2023
7.	Naresh.P	ZOHO,Chennai	6 months	01-09-2022	31-05-2023
8.	Srinivasan.D	ZOHO,Chennai	6 months	01-09-2022	31-05-2023
9.	Janani.J	ZOHO,Chennai	6 months	01-09-2022	31-05-2023
10.	Logesh Krishna V	ZOHO,Chennai	6 months	01-09-2022	31-05-2023
11.	Jeyasri.S.V	ZOHO,Chennai	6 months	01-09-2022	31-05-2023
12.	Ragavi	Unisys,Bangalore	9 months	07-07-2022	07-04-2023
13.	Swapna.G	Unisys,Bangalore	9 months	07-07-2022	07-04-2023
14.	Sreeparvathy Vs	Unisys,Bangalore	9 months	07-07-2022	07-04-2023
15.	Ashok K	Unisys,Bangalore	9 months	07-07-2022	07-04-2023
16.	Yogalakshmi R	Unisys,Bangalore	9 months	07-07-2022	07-04-2023
17.	Bhavanesh R	Web Digital Mantra,Bangalore	2 months	02-09-2022	27-02-2023
18.	Allu Sravana Lakshmi	Web Digital Mantra,Bangalore	2 months	02-09-2022	27-02-2023
19.	Arun Kumar T	Web Digital Mantra,Bangalore	2 months	02-09-2022	27-02-2023
20.	BHAVANESH. R	ADP (OFF CAMPUS)	6 Months	02-09-2022	27-02-2023
21.	HAANIYA.G	FABC	6 Months	23-12-2022	16-03-2023
22.	KUMANAN.L	integra(Development)	6 Months	08-08-2022	28-02-2023
23.	MOHAMED THABRAZ.S	integra(Development)	6 Months	08-08-2022	28-02-2023
24.	RAMYA.R	integra(Development)	6 Months	08-08-2022	28-02-2023
25.	SANKAR GANESH.G	integra(Development)	6 Months	08-08-2022	28-02-2023
26.	SANKARI.D	integra(Development)	6 Months	08-08-2022	28-02-2023
27.	SHALINI.K	FABC	6 Months	23-12-2022	16-03-2023
28.	VENODHINI.S	integra(Development)	6 Months	08-08-2022	28-02-2023
29.	VISHALY.K	FABC	6 Months	23-12-2022	16-03-2023

#### 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	Web3.0 - NFT based Virtual Reality E-shopping Using Blockchain Game	ShreAurobindRaam T LogeshVarman S Balaji R	FABC Dubai	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	FABC,DUBAI	06.09.2022	Upskilling the Students in the Blockchain Technology	2 Years

**SECTION – VII: STUDENT PROGRESSION**

Number of Students Placed	138
Number of Students opted Higher Studies	-
Number of Entrepreneur	01

**7.1 Placements**

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1.	AGASH.V	TEACHNOOK	4 LPA
2.	AKKASH.K	ACADEMOR(OFF CAMPUS)	4 LPA
3.	ALLU SRAVANA LAKSHMI	CTS	4 LPA
4.	ANBARASAN.A	TEACHNOOK	4 LPA
5.	ANBARASAN.V	TEACHNOOK	4 LPA
6.	ANUPRIYA.P	VIRTUSA	4 LPA
7.	ARAVINDAN.P	CTS	6 LPA
8.	ASHOK.K	UNISYS	4 LPA
9.	ASWIN GLAD SINGH.R	VIRTUSA	8.9 LPA
10.	GUHAN.K	ACADEMOR(OFF CAMPUS)	6 LPA
11.	HARISH. V	ACADEMOR(OFF CAMPUS)	4 LPA
12.	ILAMATHI. T	ACADEMOR(OFF CAMPUS)	4 LPA
13.	IRFAN AHAMED.A	ACADEMOR(OFF CAMPUS)	4 LPA
14.	JAGANATH.D	ACADEMOR(OFF CAMPUS)	4 LPA
15.	KALAIARASAN.N	ACADEMOR(OFF CAMPUS)	4 LPA
16.	KEERTHIKA.T	ACADEMOR(OFF CAMPUS)	4 LPA
17.	KESHAV RAM.M	ACADEMOR(OFF CAMPUS)	4 LPA
18.	MURALIDHARAN.T	TEACHNOOK	4 LPA
19.	PRABHAKARRAJ .A.T	TEACHNOOK	4 LPA
20.	BADHRINATH.R.M	ACADEMOR(OFF CAMPUS)	4 LPA
21.	BALAJEE.V	UNISYS	4 LPA
22.	BALAMURUGAN.G	ACADEMOR(OFF CAMPUS)	8.9 LPA
23.	BARATH.B	CTS	4 LPA
24.	BARATHRAJ.S	TEACHNOOK	4 LPA
25.	BHARATH.P	ACADEMOR(OFF CAMPUS)	4 LPA
26.	BHAVANESH. R	ADP (OFF CAMPUS)	4 LPA
27.	CRAIG ROYSTEN D'SILVA	TEACHNOOK	7 LPA
28.	DHARANE DARAN.M	ACADEMOR(OFF CAMPUS)	4 LPA
29.	GAYATHRI DEVI.R	CTS PRO	4 LPA
30.	GOKULAKRISHNAN.S	ACADEMOR(OFF CAMPUS)	6.5 LPA
31.	GUHAN.K	TEACHNOOK	4 LPA
32.	HAANIYA.G	FABC	4 LPA
33.	HARISH. V	TEACHNOOK	12 LPA
34.	HARRIPRIYA.S	SOPRA STERIA	4 LPA
35.	HARSHIKA.D	ACEDAMOR	6 LPA
36.	HEMAVATHI.U	ACADEMOR(OFF CAMPUS)	4 LPA
37.	HILAREA CATHARENA.A	ACADEMOR(OFF CAMPUS)	4 LPA
38.	ILAMATHI. T	TEACHNOOK	4 LPA
39.	INDUJA.M	LI CREATIVE	4 LPA
40.	IRFAN AHAMED.A	TEACHNOOK	1.8 LPA
41.	JAGANATH.D	TEACHNOOK	4 LPA
42.	PRIYADHARSINI.A	TEACHNOOK	4 LPA
43.	RAJA RAJESHWARI. S	TEACHNOOK	4 LPA
44.	JANANI. J	CTS	4 LPA
45.	JEYASRI. S. V	VIRTUSA	6 LPA
46.	KALAIARASAN.N	TEACHNOOK	4 LPA
47.	KAMALAYAZHINI.B	CTS	4 LPA

48.	KAMALISRI.M	LI CREATIVE(OFF CAMPUS)	1.8 LPA
49.	KARTHIK. R	CTS	4 LPA
50.	KARTHIKEYAN.T	HUMAN RESOURCES(OFF CAMPUS)	2.5 LPA
51.	KEERTHIKA.T	TEACHNOOK	4 LPA
52.	KESHAV RAM.M	TEACHNOOK	4 LPA
53.	KRISHNARAJ.R	TEACHNOOK	4 LPA
54.	LOGANATHAN.K	TEACHNOOK	4 LPA
55.	LOGAPRIYA.R	CTS	4 LPA
56.	LOGESH KRISHNA.V	ZOHO	8.5 LPA
57.	LOGESH.V	TEACHNOOK	4 LPA
58.	LOGULAKSHMI.T	CTS	4 LPA
59.	MAGESH ANANTH. B	TEACHNOOK	4 LPA
60.	MAHAVARUN.M	CTS	4 LPA
61.	MANOJ KUMAR .M	TEACHNOOK	4 LPA
62.	MANYAM SRI HARI PRIYA	VIRTUSA	6 LPA
63.	MOHAMAD IDHREES.M.F	TEACHNOOK	4 LPA
64.	MOHAMAD YASIF.F	TEACHNOOK	4 LPA
	MOHAMMED SHANAWAZ		
65.	KHAN.A	TEACHNOOK	4 LPA
66.	MOHANRAJ.D	TEACHNOOK	4 LPA
67.	MOTHEESWAR.S	TEACHNOOK	4 LPA
68.	MURALI.K	TEACHNOOK	4 LPA
69.	MURALIDHARAN.T	TEACHNOOK	4 LPA
70.	NANDITHA.R	SOCIETY GENERAL	6.6 LPA
71.	NARENDIRA.T	GIGAMON	5.5 LPA
72.	NARESH.P	ZOHO corporation	5.5 LPA
73.	PADMA SRI. M	CTS	4 LPA
74.	PARTHASARATHY. M	ACADEMOR(OFF CAMPUS)	4 LPA
75.	PAVITHRA.R	CTS	4 LPA
76.	PAVITHRA. S	CTS	4 LPA
77.	PIRAISANTHAN.B	VIRTUSA	6 LPA
78.	PRABHAKARAJ .A.T	TEACHNOOK	4 LPA
79.	PRATHEEP.S	UNISYS	8.9 LPA
80.	PRIYADHARSHCINI.L	SOCIETY GENERAL	6.6 LPA
81.	PRIYADHARSINI.A	TEACHNOOK	4 LPA
82.	PURVASHREE.A	TVM (OFF CAMPUS)	3.5 LPA
83.	RAJA RAJESHWARI. S	TEACHNOOK	4 LPA
84.	RAKESH RAO.P.R	TEACHNOOK	4 LPA
85.	RAMYA.K	CTS PRO	6.5 LPA
86.	RAMYA.R	Integra(Development)	3.5 LPA
87.	RANJANI.R	SIRIUS (OFF CAMPUS)	6 LPA
88.	RICHARD.L	CTS	4 LPA
89.	RISHIKARAN.K	ACADEMOR(OFF CAMPUS)	4 LPA
90.	ROSHANAA.R	VIRTUSA	6 LPA
91.	SAIPRASAD.J	EMBEDUR	8 LPA
92.	SANKAR GANESH.G	Integra(Development)	3.5 LPA
93.	SANKARI.D	Integra(Development)	3.5 LPA
94.	SARVESH.S	CTS	4 LPA
95.	SASIKUMAR.P	TCS	3.3 LPA
96.	SASIKUMAR.R	CTS	4 LPA
97.	SELINA CLAIRE.I	VIRTUSA	6 LPA
98.	SHALINI.E	TVM(OFF CAMPUS)	3.5 LPA
99.	SHALINI.K	FABC	12 LPA
100.	SHAMREEN SALI.M	CTS	4 LPA
101.	SHANMUGA SUNDARAM.V	TEACHNOOK	4 LPA
102.	SHARMINA LAKSHMI.S	TEACHNOOK	4 LPA
103.	SHIVANI.P	ACADEMOR(OFF CAMPUS)	4 LPA

104	SHRE AUROBIND RAAM.T	UNISYS	8.9 LPA
105	SHRUTHI.R	ZOHO	5.5 LPA
106	SHUBEEKSHA RAJA SHRI.B	ACADEMOR(OFF CAMPUS)	4 LPA
107	SIRAJUDEEN.A	TEACHNOOK	4 LPA
108	SIVAPRASAD.R	ACADEMOR(OFF CAMPUS)	4 LPA
109	SMIRITHI.R	csscorp	2.5 LPA
110	SOWGENYA.R	VIRTUSA	6 LPA
111	SOWMI.S	CTS	4 LPA
112	SREEPARVATHY. V.S.	UNISYS	8.9 LPA
113	SRINIVASAN.D	ZOHO	7 LPA
114	SUBALAKSHMI.R	PEGA CTS	4 LPA
115	SUBIKSHA.G	CTS	4 LPA
116	SWAPNA.G	SOCIETY GENERAL	6.6 LPA
117	SWETHA.R	CTS	4 LPA
118	TELEGANESH. K	TEACHNOOK	4 LPA
119	THANISH RAHMAN.A.R	ACADEMOR(OFF CAMPUS)	4 LPA
120	THIRU NAARAYAN.K.S	sytel	5 LPA
121	UMAPATHI.M	TEACHNOOK	4 LPA
122	VARSHAA.B	FORD	6 LPA
123	VENODHINI.S	integra(Development)	3.5 LPA
124	VIBIN VENKATESH.S	ACADEMOR(OFF CAMPUS)	4 LPA
125	VIGNESH VAITHIALINGAM.N	CTS	4 LPA
126	VISHALI.S	INCEDO	5.5 LPA
127	VISHALY.K	FABC	12 LPA
128	VISHWAJA. K	CTS	4 LPA
129	YOGALAKSHMI.R	UNISYS	8.9 LPA
130	YOGESHWARAN.A	TEACHNOOK	4 LPA
131	DHARSHINI. B	CTS	4 LPA
132	EDWIN RICHARD.J	CTS	4 LPA
133	HARSHIKA.D	LI CREATIVE (OFF CAMPUS)	1.8 LPA
134	RAGHAVI.S	CTS	4 LPA
135	RAJADURAI. S.A.	CTS	4 LPA
136	SHAVEETHA .R	CTS ELEVATE	4 LPA BONUS
137	SHRE AUROBIND RAAM.T	Lumen	7.1 LPA
138	KARTHIKEYAN T	RAMCO SYSTEMS	2.5 LPA

## 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	Prakash Velayudham	VPS CodebuildersPvt Ltd	Software Developement	VPS CodebuildersPvtLtd,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)	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/Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1	SEMINAR : National Intellectual Property Awareness	Department	08.07.2022	National	100
2	SEMINAR : National Intellectual Property Awareness	Department	08.07.2022	National	120

### SECTION – IX: ACHIEVEMENTS

#### 9.1 Awards and Prizes Received by Students

S.N o	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1.	M.Gokul	Project EXPO/National Science Day Celebration	SMVEC	First Prize
2.	E.Divakar	ENC INFO 2K23-CRYPTOCON EDITION/Paper Presentation	Puducherry Technological University	First Prize
3.	S.MonishCoumar	Project EXPO/National Science Day Celebration	SMVEC	First Prize
4.	B.Harini	AKAM-ANU-YATRA/Atoms in the service of the nation	SMVEC	Third Prize
5.	R.Udhya Rajeshwar	KAISER/NATIONAL LEVEL TECHNICAL SYMPOSIUM/CHIEMMARA CHALLENGE	HINDUSTHAN COLLEGE OF ENGINEERING TECHNOLOGY	Third Prize
6.	R.Udhya Rajeshwar	KAISER/NATIONAL LEVEL TECHNICAL SYMPOSIUM/ InsightSink	HINDUSTHAN COLLEGE OF ENGINEERING TECHNOLOGY	Frist Prize
7.	P.Akash	KAISER/NATIONAL LEVEL TECHNICAL SYMPOSIUM/Consentia	HINDUSTHAN COLLEGE OF ENGINEERING TECHNOLOGY	Second Prize
8.	P.Akash	KAISER/NATIONAL LEVEL TECHNICAL SYMPOSIUM/InsightSink	HINDUSTHAN COLLEGE OF ENGINEERING TECHNOLOGY	Third Prize
9.	V.Vigneshwaran	KAISER/NATIONAL LEVEL TECHNICAL SYMPOSIUM/Consentia	HINDUSTHAN COLLEGE OF ENGINEERING TECHNOLOGY	Third Prize

10.	V.Vigneshwaran	KAISER/NATIONAL LEVEL TECHNICAL SYMPOSIUM/InsightSink	HINDUSTHAN COLLEGE OF ENGINEERING TECHNOLOGY	First Prize
11.	A.Joshva Jagan	KAISER/NATIONAL LEVEL TECHNICAL SYMPOSIUM/InsightSink	HINDUSTHAN COLLEGE OF ENGINEERING TECHNOLOGY	Third Prize
12.	Sreeparvathy Vs	VirtusaJatayu	VIRTUSA	Rs 1,00,000 with Offer
13.	Ashok K	VirtusaJatayu	VIRTUSA	Rs 1,00,000 with Offer
14.	Yogalakshmi R	VirtusaJatayu	VIRTUSA	Rs 1,00,000 with Offer
15.	Sowgenya R	VirtusaJatayu	VIRTUSA	Rs 1,00,000 with Offer
16.	Manyam Sri Hari Priya	VirtusaJatayu	VIRTUSA	Rs 1,00,000 with Offer
17.	Sowgenya R	Unisys Innovation Program	UNISYS	Rs 2,00,000 with Offer
18.	Yogalakshmi R	Unisys Innovation Program	UNISYS	Rs 2,00,000 with Offer
19.	Ashok.K	Unisys Innovation Program	UNISYS	Rs 2,00,000 with Offer
20.	Sreeparvathy Vs	Unisys Innovation Program	UNISYS	Rs 2,00,000 with Offer

#### 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	MrR.Suresh	AICTE ToycationGovt of India Primary Evaluator
2	MrR.Suresh	AICTE Smart India Hackathon SPOC
3	MrR.Suresh	AICTE Internship Portal Coordinator
4	MrR.Suresh	AICTE MoU Portal Coordinator

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

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1	MrR.Suresh	ToycationGovt of India Primary Evaluator
2	MrR.Suresh	Wiley Software Practice and Experience
3	MrR.Suresh	Journal of Network and Computer Applications

#### 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	Mr.G.Prabu	TTT Outperforming Faculty towards Java Technology, Virtusa
2	MrR.Suresh	ToyathonMinistry of Education, Govt. of India

3	MrR.Suresh	5GHackathon NitiAayog,MEITY, DigitalIndia, Startup India,MSME,C-DoT, DST,TCOEIndia
4	MrR.Suresh	National LevelHardwareHackathon
5	MrR.Suresh	Topcoders,Virtusa
6	MrR.Suresh	CII PuducherryInnovationContest
7	MrR.Suresh	Yuva InnovatorsChallenge
8	MrR.Suresh	EY EntrepreneurOf The YearIndia
9	MrR.Suresh	FAER McAfeeScholarAwards
10	MrR.Suresh	Ministry ofEducation, Govt.
11	MrR.Suresh	VirtusaJatayu
12	MrR.Suresh	NitiAayog,MEITY, DigitalIndia, Startup India,MSME, C-DoT,DST, TCOEIndia
13	MrR.Suresh	Unisys,Bangalore
14	MrR.Suresh	Ministry of Education, Govt. of India

#### 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.Saravanan	Java full stack top up	TalnetNext	13 <sup>th</sup> june2022 to 24 <sup>th</sup> june2022	12 days
2	G.Prabu	Java Full stack Developer	Virtuse	June to July 2022	2 Month s

#### 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	Priority to be given for Funding Projects and Importance to be given for Grant Patent
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 conducted
Achievements	All relevant documents are verified
General Remarks	All the documents are arranged properly and maintained

**Signature of the Internal Academic Audit Experts**



Dr.A.G.Ganeshkumar  
Professor

Department of Mechanical Engineering,  
SMVEC



Dr.A.Jayachitra  
Associate Professor

Department of Electronics & Communication  
Engineering, SMVEC





**SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE**

An Autonomous Institution,  
Accredited by NAAC with 'A' grade  
Puducherry - 605107



**INTERNAL QUALITY ASSURANCE CELL**

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**ACADEMIC AND ADMINISTRATIVE AUDIT**

**DEPARTMENT OF  
MECHANICAL ENGINEERING**





**ACADEMIC AND ADMINISTRATIVE AUDIT**

(Academic Year 2022-23)

Internal Audit

**SECTION –1 : BASIC INFORMATION**

Audit Date	19.01.2023																									
Name of the Department	Mechanical Engineering																									
Year of Establishment	2008																									
Programs Offered	<table border="1"> <thead> <tr> <th>Name of the Program</th> <th>Approved Intake</th> </tr> </thead> <tbody> <tr> <td>B.Tech Mechanical Engineering</td> <td>180</td> </tr> <tr> <td>M.Tech Manufacturing Engineering</td> <td>24</td> </tr> <tr> <td>Ph.D Mechanical Engineering</td> <td>Tentative</td> </tr> </tbody> </table>		Name of the Program	Approved Intake	B.Tech Mechanical Engineering	180	M.Tech Manufacturing Engineering	24	Ph.D Mechanical Engineering	Tentative																
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.G.G.Sozhamannan																									
Number of full time Teachers	Professor	6																								
	Associate Professor	12																								
	Assistant Professor	36																								
Number of Technical Staff	4																									
Number of Students	<table> <thead> <tr> <th colspan="2">For B.Tech:</th> </tr> <tr> <th>Year</th> <th>Strength</th> </tr> </thead> <tbody> <tr> <td>First Year</td> <td>110</td> </tr> <tr> <td>Second Year</td> <td>-</td> </tr> <tr> <td>Third Year</td> <td>162</td> </tr> <tr> <td>Fourth Year</td> <td>160</td> </tr> <tr> <td>Total</td> <td>432</td> </tr> </tbody> </table> <table> <thead> <tr> <th colspan="2">For M.Tech</th> </tr> <tr> <th>Year</th> <th>Strength</th> </tr> </thead> <tbody> <tr> <td>First Year</td> <td>5</td> </tr> <tr> <td>Second Year</td> <td>-</td> </tr> <tr> <td>Total</td> <td>5</td> </tr> </tbody> </table>		For B.Tech:		Year	Strength	First Year	110	Second Year	-	Third Year	162	Fourth Year	160	Total	432	For M.Tech		Year	Strength	First Year	5	Second Year	-	Total	5
For B.Tech:																										
Year	Strength																									
First Year	110																									
Second Year	-																									
Third Year	162																									
Fourth Year	160																									
Total	432																									
For M.Tech																										
Year	Strength																									
First Year	5																									
Second Year	-																									
Total	5																									
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. Velmurugan. K	Chairman	B.Tech	IV / VII IV / VIII
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	
6	Dr. Ganesh Kumar. A.G.	Member	B.Tech	
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	II / IV	PE I: Product design and Development	U20MEE403	46
2	II / IV	PE I: Industrial Casting Technology	U20MEE404	30
3	II / IV	PE I: Non-Conventional Energy Sources	U20MEE405	32
4	III / V	PE II: Powder Metallurgy and Surface Coating	U20MEE507	53
5	III / V	PE II: Green Manufacturing	U20MEE508	50
6	IV / VII	PE IV: Advanced Welding Technology	U19MEE72	76
7	IV / VII	PE IV: Nano Technology	U19MEE74	57
8	IV / VIII	PE V: Lean Manufacturing	U19MEE80	66
9	IV / VIII	PE V: Total Quality Management	U19MEE84	67
10	IV / VIII	PE VI: Maintenance and Safety Engineering	U19MEE88	133

**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	II / IV	ECE	OE I: Engineering Computation with MATLAB	U20ECO401	34
2	II / IV	CSE	OE I: Web Development	U20CSO401	43
3	II / IV	ICE	OE I: Sensors and Transducers	U20ICO401	31
4	III / V	IT	OE II: Mobile App Development	U20ITO504	50
5	III / V	ECE	OE II: Automotive Electronics	U20ECO504	53
6	IV / VII	EEE	OE IV: Hybrid and Electrical Vehicle	U19EEO75	61
7	IV / VII	Mechatronics	OE IV: Automation in Manufacturing Systems	U19MCO72	72

## 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	SDC 1: Demonstration in Civil Engineering	U20MES101	75
2	II / III	SDC 2: Two wheeler Troubleshooting	U20MES302	111
3	II / IV	SDC 3: Four wheeler Troubleshooting	U20MES403	108
4	III / V	SDC 4: Foreign Language/ IELTS-I	U20MES504	103
5	III / V	SDC 5: Hands-on Training in 3D Printing	U20MES505	103
6	IV / VIII	SDC 10: NPTEL / MOOC - II	U19MES81	133

## 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	Python Programming	U20MEC174	75
2	I / II	AutoCAD for Mechanical	U20MEC215	75
3	II / III	CATIA	U20MEC325	111
4	II / IV	CREO (Modeling and Simulation)	U20MEC432	108
5	III / V	Solid Works	U20MEC582	103

## 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	U20MEM101	75
2	I / II	Environmental Science	U20MEM202	75
3	II / III	Physical Education	U20MEM303	111
4	II / IV	NSS	U20MEM404	108
5	III / V	Indian Constitution	U20MEM505	103

## SECTION –3: TEACHING, LEARNING AND EVALUATION

### 3.1 Course Delivery

I Year / II Semester - (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	Engineering Mathematics - II / U20BST215	Mr.R.Sivakumar	60	70	70
2	Programming in C / U20EST201	Dr.R.Ramachandiran	45	45	45
3	Manufacturing Processes	Mr.A.Jayachandran	45	45	45

	U20MET201	Mr.K.Navanithakrishnan			
4	Engineering Metallurgy U20MET202	Dr. A.Thiagarajan Dr.G.G.Sozhamannan	45	45	45
5	Concepts of Engineering Design U20MET203	Dr. L. Saravanan Dr. S.Jayabharathy	45	45	45
6	Engineering Thermodynamics U20MET204	Mr.A. Giriprasath	60	60	60
7	Programming in C Lab U20ESP202	Dr.R.Ramachandiran	30	30	30
8	Engineering Graphics (Auto CAD) U20ESP212	Mr.A. Giriprasath	30	30	30
9	Manufacturing Processes Lab U20MEP201	Mr.K.NavanithaKrishnan Mr.P.Sathiaprathap	30	30	30

**II Year / III Semester - (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	Complex Analysis and Applications of Partial Differential Equations U20BST320	Dr. B. Kanimozhi	60	60	60
2	Data Structures U20EST356	Dr Ramachandran Dr. Puspita Das	45	45	45
3	Electronic Devices and Circuits U20EST358	Mr. K. Jambulingam	45	45	45
4	Mechanics of Solids U20MET305	Mr.G.Harish Mr.M.Gunasekar	60	60	60
5	Computer Aided Design U20MET306	Dr.L.Martin Mr.G.Harish	45	45	45
6	Fluid Mechanics and Machinery U20MET307	Mr.K.NavanithaKrishnan Mr.A.Giriprasath	60	60	60
7	Data Structures Lab U20ESP357	Dr Ramachandran Dr. Puspita Das	30	30	30
8	Material Testing and Metallurgy Lab U20MEP302	Mr.G.Harish Mr.K.NavanithaKrishnan	30	30	30
9	Fluid Mechanics and Machinery Lab U20MEP303	Mr.M.Gunasekar	30	30	30
10	General Proficiency - I U20HSP301	Mrs. K. Madhanavathi	30	30	30

**II Year / IV Semester - (2020-2024)**

1	Probability and Queuing Theory U20BST433	Mr.T.Poovaragavan	45	45	45
2	Programming in JAVA U20EST467	Ms.S.Swetha	45	45	45
3	Kinematics of Machinery U20MET408	Dr.K.Hemalatha Mr.P.Jayakumar	60	60	60
4	Heat and Mass Transfer U20MET409	Mr.M.Santhoshkumar Mr.E.Manikandan	45	45	45
5	PE I: Product design and Development U20MEE403	Mr.A. Giriprasath	60	60	60
6	PE I: Industrial Casting Technology U20MEE404	Mr.K.Navanitha Krishnan	45	45	45

7	PE I: Non-Conventional Energy Sources U20MEE405	Dr.S. Jayabharathy	45	45	45
8	OE I: Engineering Computation with MATLAB U20ECO401	Mr.Pushparaj	30	30	30
9	OE I: Web Development U20CSO401	Dr.Ramachandiran	45	45	45
10	OE I: Sensors and Transducers U20ICO401	Ms.Kiruthika	45	45	45
11	General Proficiency – II U20HSP402	Mrs.P.Rajeswari	30	30	30
12	Programming in JAVA Lab U20ESP468	Dr.Ramachandiran Miss.S.Swetha	30	30	30
13	Computer Aided Machine Drawing Lab U20MEP404	Mr.P. Sathiaprathap Mr.G.Harish	30	30	30
14	Heat Transfer Lab U20MEP405	Mr.M.Santhosh Kumar Dr.R.Ravi Sankar	30	30	30

**III Year / V 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	Numerical Methods and Statistics U20BST548	Mr.T.Poovaragavan	60	60	60
2	Design of Machine Elements U20MET510	Mr.P. Sathiaprathap Mr.M.Gunasekar	60	60	60
3	Dynamics of Machinery U20MET511	Dr.K. Hemalatha Mr.P.Jayakumar	60	60	60
4	Metrology and Measurement U20MET512	Mr.K.NavanithaKrishnan Mr.A.Jeyachandran	45	45	45
5	PE II: Powder Metallurgy and Surface Coating U20MEE507	Mr.A.Giriprasath	45	45	45
6	PE II: Green Manufacturing U20MEE508	Mr.M.Santhosh Kumar	45	45	45
7	OE II: Mobile App Development U20ITO504	Mrs.Puspita Dash	45	45	45
8	OE II: Automotive Electronics U20ECO504	Mr.Pushparaj	45	45	45
9	Numerical Methods Lab U20BSP549	Mr.T.Poovaragavan	30	30	30
10	Metrology and Measurements Lab U20MEP506	Mr.K.NavanithaKrishnan Mr.A.Jeyachandran	30	30	30
11	Dynamics Lab U20MEP507	Dr.K. Hemalatha	30	30	30
12	CAD/CAM Lab U20MEP508	Mr.A.Giriprasath	30	30	30

**IV Year / VII 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	Production Planning and Cost Estimation U19MET71	Dr.T.Coumaressin Mr.E.Manikandan	45	45	45
2	Industrial Automation and Robotics U19MET72	Mr.R.Hemanth Kumar Mr.L.Martin	45	45	45
3	PE IV: Advanced Welding Technology U19MEE72	Dr.R.Ravi Sankar Dr.G.G.Sozhamannan	45	45	45
4	PE IV: Nano Technology U19MEE74	Mr. M.Gunasekar Dr.A.G.Ganesh Kumar	45	45	45
5	OE IV: Hybrid and Electrical Vehicle U19EEO75	Mr.Pushparaj	45	45	45
6	OE IV: Automation in Manufacturing Systems U19MCO72	Mr.R.Hemanth Kumar	45	45	45
7	Business Basics for Entrepreneur U19MEP71	Dr.A.Thiagarajan Dr.A.G.Ganesh Kumar	18	18	18
8	Automation and Robotics lab U19MEP72	Mr.L.Martin Mr.P.Jayakumar	30	30	30
9	Product Development Lab U19MEP73	Mr.R.Hemanth Kumar Mr.P.Sathiapratap	30	30	30
10	Comprehensive Viva Voce U19MEP74	Dr.T.Coumaressin Dr.K. Hemalatha	45	45	45
11	Project Phase – I U19MEW71	Dr.G.S.Sozhamannan Dr.A.G.Ganesh Kumar Dr. A.Thiagarajan	45	45	45
12	Internship / Inplant Training U19MEW72	Dr.A.G.Ganesh Kumar Dr.R.Ravi Sankar	45	45	45

### 3.2 Use of ICT Tools in Teaching Learning

I Year / II Semester - (2021-2025)

S. No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr.R.Sivakumar	Engineering Mathematics - II / U20BST215	PPT
2	Dr.R.Ramachandiran	Programming in C / U20EST201	PPT
3	Mr.A.Jayachandran Mr.K.Navanithakrishnan	Manufacturing Processes / U20MET201	PPT, Video
4	Dr. A.Thiagarajan Dr.G.G.Sozhamannan	Engineering Metallurgy / U20MET202	PPT, Video
5	Dr. L. Saravanan Dr. S.Jayabharathy	Concepts of Engineering Design / U20MET203	PPT, Video
6	Mr.A. Giriprasath	Engineering Thermodynamics / U20MET204	PPT, Video
7	Dr.R.Ramachandiran	Programming in C Lab / U20ESP202	PPT
8	Mr.A. Giriprasath	Engineering Graphics using AutoCAD / U20ESP212	PPT, Video
9	Mr.K.NavanithaKrishnan Mr.P.Sathiapratap	Manufacturing Processes Lab / U20MEP201	PPT, Video

II Year / III Semester - (2021-2025)

S. No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr. B. Kanimozhi	Complex Analysis and Applications of Partial Differential Equations / U20BST320	PPT
2	Dr Ramachandran	Data Structures / U20EST356	PPT

	Dr. Puspita Das		
3	Mr. K. Jambulingam	Electronic Devices and Circuits / U20EST358	PPT, Video
4	Mr.G.Harish Mr.M.Gunasekar	Mechanics of Solids / U20MET305	PPT, Video
5	Dr.L.Martin Mr.G.Harish	Computer Aided Design / U20MET306	PPT, Video
6	Mr.K.NavanithaKrishnan Mr.A.Giriprasath	Fluid Mechanics and Machinery / U20MET307	PPT, Video
7	Dr Ramachandran Dr. Puspita Das	General Proficiency - I / U20HSP301	PPT
8	Mr.G.Harish Mr.K.NavanithaKrishnan	Data Structures Lab / U20ESP357	PPT, Video
9	Mr.M.Gunasekar	Material Testing and Metallurgy Lab / U20MEP302	PPT, Video
10	Mrs. K. Madhanavathi	Fluid Mechanics and Machinery Lab / U20MEP303	PPT, Video

#### II Year / IV Semester - (2020-2024)

S. No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr.T.Poovaragavan	Probability and Queuing Theory U20BST433	PPT
2	Ms.S.Swetha	Programming in JAVA U20EST467	PPT
3	Dr.K.Hemalatha Mr.P.Jayakumar	Kinematics of Machinery U20MET408	PPT, Video
4	Mr.M.Santhoshkumar Mr.E.Manikandan	Heat and Mass Transfer U20MET409	PPT, Video
5	Mr.A. Giriprasath	PE I: Product design and Development U20MEE403	PPT, Video
6	Mr.K.Navanitha Krishnan	PE I: Industrial Casting Technology U20MEE404	PPT, Video
7	Dr.S. Jayabharathy	PE I: Non-Conventional Energy Sources U20MEE405	PPT
8	Mr.Pushparaj	OE I: Engineering Computation with MATLAB U20ECO401	PPT, Video
9	Dr.Ramachandiran	OE I: Web Development U20CSO401	PPT, Video
10	Ms.Kiruthika	OE I: Sensors and Transducers U20ICO401	PPT, Video
11	Mrs.P.Rajeswari	General Proficiency – II U20HSP402	PPT
12	Dr.Ramachandiran Ms.S.Swetha	Programming in JAVA Lab U20ESP468	PPT
13	Mr.P. Sathiaprathap Mr.G.Harish	Computer Aided Machine Drawing Lab U20MEP404	PPT, Video
14	Mr.M.Santhosh Kumar Dr.R.Ravi Sankar	Heat Transfer Lab U20MEP405	PPT, Video

#### III Year / V Semester - (2020-2024)

S. No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr.T.Poovaragavan	Numerical Methods and Statistics U20BST548	PPT
2	Mr.P. Sathiaprathap	Design of Machine Elements U20MET510	PPT

	Mr.M.Gunasekar		
3	Dr.K. Hemalatha Mr.P.Jayakumar	Dynamics of Machinery U20MET511	PPT, Video
4	Mr.K.NavanithaKrishnan Mr.A.Jeyachandran	Metrology and Measurement U20MET512	PPT, Video
5	Mr.A.Giriprasath	PE II: Powder Metallurgy and Surface Coating U20MEE507	PPT, Video
6	Mr.M.Santhosh Kumar	PE II: Green Manufacturing U20MEE508	PPT, Video
7	Mrs.Puspita Dash	OE II: Mobile App Development U20ITO504	PPT
8	Mr.Pushparaj	OE II: Automotive Electronics U20ECO504	PPT, Video
9	Mr.T.Poovaragavan	Numerical Methods Lab U20BSP549	PPT, Video
10	Mr.K.NavanithaKrishnan Mr.A.Jeyachandran	Metrology and Measurements Lab U20MEP506	PPT, Video
11	Dr.K. Hemalatha	Dynamics Lab U20MEP507	PPT
12	Mr.A.Giriprasath	CAD/CAM Lab U20MEP508	PPT

#### IV Year / VII Semester - (2019-2023)

S. No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr.T.Coumaressin Mr.E.Manikandan	Production Planning and Cost Estimation U19MET71	PPT
2	Mr.R.Hemanth Kumar Mr.L.Martin	Industrial Automation and Robotics U19MET72	PPT
3	Dr.R.Ravi Sankar Dr.G.G.Sozhamannan	PE IV: Advanced Welding Technology U19MEE72	PPT, Video
4	Mr. M.Gunasekar Dr.A.G.Ganesh Kumar	PE IV: Nano Technology U19MEE74	PPT, Video
5	Mr.Pushparaj	OE IV: Hybrid and Electrical Vehicle U19EEO75	PPT, Video
6	Mr.R.Hemanth Kumar	OE IV: Automation in Manufacturing Systems U19MCO72	PPT, Video
7	Dr.A.Thiagarajan Dr.A.G.Ganesh Kumar	Business Basics for Entrepreneur U19MEP71	PPT
8	Mr.L.Martin Mr.P.Jayakumar	Automation and Robotics lab U19MEP72	PPT, Video
9	Mr.R.Hemanth Kumar Mr.P.Sathiaprathap	Product Development Lab U19MEP73	PPT, Video
10	Dr.T.Coumaressin Dr.K. Hemalatha	Comprehensive Viva Voce U19MEP74	PPT, Video
11	Dr.G.S.Sozhamannan Dr.A.G.Ganesh Kumar	Project Phase – I U19MEW71	PPT
12	Dr.A.G.Ganesh Kumar Dr.R.Ravi Sankar	Internship / Inplant Training U19MEW72	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	Workshop on Career Opportunities for engineering Graduates	Mr.E.Vasikaran, Senior Executive, ACE Engg. Academy,	24.06.2022	133

		Chennai.		
2	Guest Lecture on Thermodynamics and Engineering	Dr.A.M.Saravanan, Professor, National University of Science and Technology, Oman.	09.07.2022	90
3	Technical Seminar on Procedure for filing and Grant patents	Mr.P.Jayakumar, Design Product Consultant, JS ARA Tech.	09.07.2022	90
4	Workshop on Advanced Design Tools	Er.S.Balasubramaniyan, Manager, Poclain Hydraulics, Puducherry.	15.07.2022	70
5	Workshop on Career Development	Mr.K.A.Prabhakar, CADD Centre, Puducherry.	18.08.2022	82
6	Guest lecture on Nano Science and its applications	Dr A Subramania, Professor, Pondicherry University.	05.10.2022	30
7	Workshop on Two Wheeler Troubleshooting	Mr.U.Suresh, Service Engineer, Chennai.	22.10.2022	110
8	Workshop on Two Wheeler Components and its Functions	Mr.R.Raja, Two Wheeler Mechanic, Villupuram.	02.11.2022	50
9	Guest Lecture on Brainstorming	Dr.S.Muthu Motivational Speaker, Coimbatore.	10.11.2022	100
10	Workshop on Art of Writing Research Proposal	Dr.T.Ram Prabhu, Scientist'E' and Joint Director, DRDO.	18.11.2022	62
11	Guest Lecture on Material Properties and Characterization	Mr.S.C.Atul, Executive founder and CEO, Diffusion Coatech LLP, Chennai.	19.11.2022	75
12	Guest Lecture on Design Tools in Engineering Design	Mr.Kalaivanan, Design Engineer, Chennai.	26.11.2022	75
13	Guest Lecture on Latest Technology in Mechanical Engineering	Mr.V.Naresh Kumar, Assistant System Engineer, Jasmin Infotech pvt. Ltd., Chennai.	26.11.2022	50
14	Guest Lecture on Heat Treatment	Mr.S.C.Atul, Executive founder and CEO, Diffusion Coatech LLP, Chennai.	28.11.2022	45
15	Guest Lecture on Tribology, Corrosion and Methods to Quantify: An Introduction	Mr.S.C.Atul, Executive founder and CEO, Diffusion Coatech LLP, Chennai.	03.12.2022	46
16	Design Now workshop on Fusion 360	Mr.S.R.Deviya Prasanth, Engineer Design, ICT Academy.	12.12.2022	100

### 3.4 Activities for Slow and Advanced Learners

I Year / II Semester - (2021-2025)

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 / U20BST215	Mr.R.Sivakumar	Yes	-	Yes
2	Programming in C / U20EST201	Dr.R.Ramachandiran	Yes	-	Yes
3	Manufacturing Processes U20MET201	Mr.A.Jayachandran Mr.K.Navanithakrishnan	Yes	-	Yes
4	Engineering Metallurgy U20MET202	Dr. A.Thiagarajan Dr.G.G.Sozhamannan	Yes	-	Yes
5	Concepts of Engineering Design U20MET203	Dr. L. Saravanan Dr. S.Jayabharathy	Yes	-	Yes
6	Engineering Thermodynamics U20MET204	Mr.A. Giriprasath	Yes	-	Yes

II Year / III Semester - (2021-2025)

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	Complex Analysis and Applications of Partial Differential Equations U20BST320	Dr. B. Kanimozhi	Yes	-	Yes
2	Data Structures U20EST356	Dr Ramachandran Dr. Puspita Das	Yes	-	Yes
3	Electronic Devices and Circuits U20EST358	Mr. K. Jambulingam	Yes	-	Yes
4	Mechanics of Solids U20MET305	Mr.G.Harish Mr.M.Gunasekar	Yes	-	Yes
5	Computer Aided Design U20MET306	Dr.L.Martin Mr.G.Harish	Yes	-	Yes
6	Fluid Mechanics and Machinery U20MET307	Mr.K.NavanithaKris hnan Mr.A.Giriprasath	Yes	-	Yes

II Year / IV 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	Probability and Queuing Theory U20BST433	Mr.T.Poovaragavan	Yes	-	Yes
2	Programming in JAVA U20EST467	Ms.S.Swetha	Yes	-	Yes
3	Kinematics of Machinery U20MET408	Dr.K.Hemalatha Mr.P.Jayakumar	Yes	-	Yes
4	Heat and Mass Transfer U20MET409	Mr.M.Santhoshkumar Mr.E.Manikandan	Yes	-	Yes
5	PE I: Product design and Development U20MEE403	Mr.A. Giriprasath	Yes	-	Yes
6	PE I: Industrial Casting Technology U20MEE404	Mr.K.Navanitha Krishnan	Yes	-	Yes
7	PE I: Non-Conventional Energy Sources U20MEE405	Dr.S. Jayabharathy	Yes	-	Yes
8	OE I: Engineering Computation with MATLAB U20ECO401	Mr.Pushparaj	Yes	-	Yes
9	OE I: Web Development U20CSO401	Dr.Ramachandiran	Yes	-	Yes
10	OE I: Sensors and Transducers U20ICO401	Ms.Kiruthika			

### III Year / V 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	Numerical Methods and Statistics U20BST548	Mr.T.Poovaragavan	Yes	-	Yes
2	Design of Machine Elements U20MET510	Mr.P. Sathiaprathap Mr.M.Gunasekar	Yes	-	Yes
3	Dynamics of Machinery U20MET511	Dr.K. Hemalatha Mr.P.Jayakumar	Yes	-	Yes
4	Metrology and Measurement U20MET512	Mr.K.Navanitha Krishnan Mr.A.Jeyachandran	Yes	-	Yes
5	PE II: Powder Metallurgy and Surface Coating U20MEE507	Mr.A.Giriprasath	Yes	-	Yes
6	PE II: Green Manufacturing U20MEE508	Mr.M.Santhosh Kumar	Yes	-	Yes
7	OE II: Mobile App Development U20ITO504	Mrs.Puspita Dash	Yes	-	Yes
8	OE II: Automotive Electronics U20ECO504	Mr.Pushparaj	Yes	-	Yes

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	Production Planning and Cost Estimation U19MET71	Dr.T.Coumaressin Mr.E.Manikandan	Yes	-	Yes
2	Industrial Automation and Robotics U19MET72	Mr.R.Hemanth Kumar Mr.L.Martin	Yes	-	Yes
3	PE IV: Advanced Welding Technology U19MEE72	Dr.R.Ravi Sankar Dr.G.G.Sozhamannan	Yes	-	Yes
4	PE IV: Nano Technology U19MEE74	Mr. M.Gunasekar Dr.A.G.Ganesh Kumar	Yes	-	Yes
5	OE IV: Hybrid and Electrical Vehicle U19EEO75	Mr.Pushparaj	Yes	-	Yes
6	OE IV: Automation in Manufacturing Systems U19MCO72	Mr.R.Hemanth Kumar	Yes	-	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
432		54	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: 75%
4	PSO and PO attainment through CO	Yes	

### 3.8 Student Performance in End Semester Examination

#### I Year / II Semester - (2021-2025)

S. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	110	-
2	Number of All Clear Students	101	-
3	Number of Students passed with Distinction	34	-
4	Number of Students passed with First Class	68	-
5	Number of Students passed with Second Class	1	-
6	Number of Students Failed	7	-
7	Passing Percentage	91.8%	-

#### II Year / III Semester - (2021-2025)

S. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	128	-
2	Number of All Clear Students	121	-
3	Number of Students passed with Distinction	19	-
4	Number of Students passed with First Class	96	-
5	Number of Students passed with Second Class	2	-
6	Number of Students Failed	11	-
7	Passing Percentage	94.5%	-

#### II Year / IV Semester - (2020-2024)

S. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	162	5
2	Number of All Clear Students	151	5
3	Number of Students passed with Distinction	44	3
4	Number of Students passed with First Class	107	2
5	Number of Students passed with Second Class	-	-
6	Number of Students Failed	11	-
7	Passing Percentage	93.2%	100%

#### III Year / V Semester - (2020-2024)

S. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	162	-
2	Number of All Clear Students	153	-
3	Number of Students passed with Distinction	32	-
4	Number of Students passed with First Class	121	-
5	Number of Students passed with Second Class	-	-
6	Number of Students Failed	9	-
7	Passing Percentage	94.4%	-

#### IV Year / VII Semester - (2019-2023)

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	Yes	
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	Yes	
3	Student Exit Survey conducted and Analysed	Yes	Yes	
4	Alumni Feedback conducted and Analysed	Yes	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
1	-	-	-	-	-

##### 5.2 Consultancy Works

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

##### 5.3 Faculty Publications

###### Publication Details (Last Four Years)

S. 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	2022-23	-	14	6	5	10.6
2	2021-22	1	12	10	-	8.2

3	2020-21	-	25	8	-	4.6
4	2019-20	-	5	6	-	4.0

#### Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	13
Number of Publication in International Journals	1
Number of Publication in National Conferences	-
Number of Publication in International Conferences	1
Number of Books / Book Chapters	2
Number of Patent (Filed)	5
Number of Patents Granted	5

#### National Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	ISBN / ISSN
1	Multi-Response Optimization And Investigation Of Dry Sliding Wear Behavior Of Al7075 Surface Hybrid Nanocomposite Using Response Surface Methodology	S. Gopalakannan	Surface Review and Letters	1793-6667
2	Experimental Heat transfer analysis of copper Fractal tree micro channel using Al <sub>2</sub> O <sub>3</sub> Nano-fluid	Manikandan E Velmurugan K Sozhamannan G G Ravisankar R V S K Venkatachalamapthy	Gradiva Review Journal	0363-8057
3	Synthesis and tensile characterization of Sic nanoparticles on STF treated Hybrid Foam Cored Sandwich Nano-composites	Jagadish Chandra Bose K Thiagarajan A Velmurugan K V S K Venkatachalamapthy	Gradiva Review Journal	0363-8057
4	Study on mechanical Behaviour of non-treated Natural fiber reinforced Vinylester green Composites	Ravindran S Sozhamannan G G Velmurugan K V S K Venkatachalamapthy	Gradiva Review Journal	0363-8057

5	Design and investigation of impact and micro hardness properties of the developed Glass-Jute-CGS Fiber Reinforced Hybrid Epoxy Polymer Composites	Arun K Mala D Gopalakannan S Prakash C	Journal of Testing and Evaluation	0090-3973
6	Design and Investigation of Dynamic Properties of the Developed Glass-Jute-CGS Fiber Reinforced Hybrid Epoxy Polymer Composites for High-Performance Applications	Arun K Mala D Gopalakannan S Prakash C	The Journal of The Textile Institute	1754-2340
7	Investigation on Mechanical Properties of Aluminium 6061, Silicon carbide and Titanium dioxide Hybrid Metal Matrix composite with and without Cryogenic Treatment	A. Jeyachandran,Dr. V. S. K. Venkatachalapathy, Dr. K. Velmurugan	Gradiva Review Journal	0363-8057
8	Characterization Of Flexural Toughness And Water Absorption Of Modified Functionalized Graphene By Polymer Composite and Low Temperature	Dr.A.Thiagarajan, Dr.K.Hemalatha, Dr.T.Coumaressin,Dr.A. G. Ganesh Kumar	European Chemical Bulletin	2063-5346
9	Investigation on parametric Process optimization of Al 7075/TiC Composite by CNC Turning with RSM method	P. Jayakumar, K.Velmurugan, V.S.K. Venkatachalapathy	Gradiva Review Journal	0363-8057
10	Investigation of mechanical properties	Hemanth Kumar R,V.S.K. Venkatachalapathy, Velmurugan K,Martin L	Bio Gecko Research Journal	2230-5807

	of Al7068/ SiC/ Al2O3 / Fly ash Hybrid Composite			
11	Biodiesel from Biomass Waste Feedstock Prosopis Juliflora as a Fuel Substitute for Diesel and Enhancement of Its Usability in Diesel Engines Using Decanol	Boopathi Duraisamy, Kandasamy Velmurugan, V S Karuppannan Venkatachalapathy, Dinesh Kumar Madheswaran, and Edwin Geo Varuvel	Energy Technology	2194-4296
12	Optimization of Heat transfer parameter in fractal tree Microchannel with Al2O3 Nanofluid using Taguchi and Gra Method.	Manikandan E Velmurugan K Sozhamannan G G Bala Muruga Mohana Raj G V S K Venkatachalapathy	Journal Of Ceramic Processing Research	1229-9162
13	Intelligent Controller Design and Fault Prediction for Renewable Energy Sources Using Bi- directional GRU and GEO Methods	Parijat Saurabh,K. Velmurugan,Nagabhooshanam N.,Gajanan Patange,G. Balamuruga Mohan Raj,	Electric Power Components and Systems	1532-5016

#### International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	Analysis of Prosopis Juliflora Methy Ester as a Fuel in the CI Engine	Boopathi Duraisamy Kandasamy Velmurugan V S Karuppannan Venkatachalapathy Arumugam Thiagarajan	International Journal of Research and Review	2454-2237	5

#### 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	Machine learning cloud Based Approach to Identify and classify Disease	T.Coumaressin	IEEE	Mysore Sub Section International Conference	978-1-6654-9790-9	IEEE

### Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	3D Printing and Polymer Processing Advancement	Dr.K.Velmurugan Dr.A.A.Arivalagar Dr.K.Hemalatha Dr.G.Balamuruga Mohan Raj	978-81-962332-8-0	Cosmas Scientific Publications, Chennai.
2	Artificial Intelligence applications In Human Resource Management	Dr. Yousef Abubaker El-Ebairy Dr. K.G. Senthilkumar Dr. T. Coumaressin Dr. A.K. Dasarathy Mr. M. Kalyan Ram	978-81-963112-0-9	Cosmas Scientific Publications, Chennai.
3	An Experimental Investigation on Mechanical and Tribological Behaviour of (AZ91D Mg Alloy + Graphene) Metal Matrix Composite	N. Satish Kumar, G. G. Sozhamannan & V. S. K. Venkatachalamapathy	978-981-16-6481-6	SpringerLink

### Patent

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

### 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.	Abinash.M	Code bind Technologies			7
2.	Akshay.A	Shenbaka Cars Private Limited (Maruti Suzuki)			14
3.	Bagan Raj V	Polyhose			12
4.	Chandru R	Schwing Stetter India Pvt Ltd			30
5.	Deepak S	PolyhoseTofle Pvt Limited			12
6.	Dhanashree.S	Lanson Toyota (India) Pvt.Ltd			10
7.	Dhaneesh Kumar R	Polyhose Tofle Pvt Ltd			12

8.	Dharanidharan.S	Lucas TVS			15
9.	Dharmalingam A	Rane Brakes Ltd			15
10.	Dinesh A	Lucas TVS			15
11.	DivyaDarshine G	Yamazaki Mazak Singapore Pte Ltd			10
12.	Elamparuthi P	PolehoseToflePvt. Ltd			12
13.	Gopalsamy N	5k Car Care Everlasting			20
14.	Gowtham R	Solara Active Pharma Science			14
15.	Gunalan S	5k Car Care			20
16.	Hari Prasanna V	Lucas-Tvs			15
17.	Hariesh A	Lanson Toyota (INDIA) PVT.LTD			10
18.	Hariraj C	Schneider Prototyping India Private Limited			15
19.	Harishangar.S	Zoho/Product Based It Company			6 Months
20.	HoemHarish A R	Solara Active Pharma Science			14
21.	KalaiselvanBaskaran	Adani Ports And Harbour			15
22.	Kanagabaranidharan.R	Rane Madras Limited			15
23.	Kanihiavelan K	Shenbaga Maruthi Suzuki			8
24.	Keerthivasan P	PolyhoseTofle Pvt Ltd			12
25.	Kirubakaran.J	5k Car Care Everlasting			20
26.	Krishnakumar P	Code bind			15
27.	Kumaraguru.S	PolyhoseToflePvt.Ltd			12
28.	Lakshmanan K	Accenture			10
29.	Lakshminathan N	Lanson Toyota(India) Private Limited			10
30.	Madhavan M	Metal Scope (India) Private Limited			11
31.	Naveen P	Lanson Toyota			10
32.	Padmanaban.K	Microtron India Technologies Pvt Ltd			14
33.	Praburaj S	Solara Active Pharma Science			15
34.	PrasannaKumar.A	Code bind Technologies			7
35.	Prasath R	Solara Active Pharma Sciences			15
36.	Praveen Kumar D	Benling India Pvt Ltd			15
37.	Ragul J	PolyhoseTofle			12
38.	Rajeev Aravind A	Tata Motors			10
39.	Rajesh D	Lanson Toyota (INDIA) PVT.LTD			10
40.	RajiniDevan P	Maulik Leather Industry			10
41.	Ruthreshwaran A	PolyhoseTofle Pvt Ltd			12
42.	Sabarish J	Mettur Thermal Power Station			7
43.	Saibalaji S	Shenbaka Cars Pvt Ltd(Maruti Suzuki Arena)			8
44.	Sanjai J	Lucas TVS Limited			15
45.	Seduram S	Kothari Petrochemical Limited			6
46.	Siv Santhosh S	Mtps-1(Mettur Thermal Power Station)			5
47.	Sivanesan	Rane			15
48.	Sivaprasath P	Brakes India Private			18

		Limited		
49.	Srivathsan. S	Codebind		7
50.	StepheneCarloman	PolyhoseTofle Pvt Ltd		12
51.	Surendhar S	Toyota		10
52.	Vasanthakumar.M	5k Car Care And Everlasting		20
53.	Velmurugan P.R	Rane Madras Limited		15
54.	Velmurugane N.D	Metal Scope India Pvt Limited		11
55.	Vigneshwaran P	Ongc		7
56.	VinithkumarV	Solara Active Pharma Sciences		15
57.	Yokesh B	Schwing Stetter		30
58.	Bhavanishanker G	Benling India Energy And Technology Pvt Ltd		15
59.	Monish J T	Benling India Pvt Ltd		15
60.	Sagilan.S	Benling India Energy And Technology .Pvt.Ltd		15
61.	Sameer Ahamed A	Benling Indian Pvt Ltd		15
62.	Santhoshkumar S	Benling India Pvt		15
63.	Sathish.P	Benling India Pvt Ltd		15
64.	Surya.P	Benling India Pvt Ltd		15
65.	Tamizharasan M	Benling India Pvt Ltd		15
66.	Wasim N	Benling India Pvt Ltd		14
67.	Bharath.B	Ponlait		14
68.	ChandiraMouli S	Oil And Natural Gas Corporation		7
69.	Deshwin J	Allianz Biosciences Pvt Ltd		15
70.	Devanathan R	Lucas - Tvs Ltd		5
71.	Dhinesh . K	Metal Scope (India) Private Limited		10
72.	Dinesh.G	Lucas Tvs		15
73.	Elango G	Maulik Leathercraft		10
74.	Ganesh J	Ranae Brake Lining Limited		14
75.	Hareeshhamed.N	Tvslucuspvt.Limited.		5
76.	Harikrishnan.S	Murugan Engineering		12
77.	Hariharan S	Oil And Natural Gas Corporation		7
78.	JeevaMuralitharan.P	Metal Scope India Pvt Ltd		11
79.	Jeffno.C	Eid Parry		15
80.	Kailash.S	Oil And Natural Gas Corporation		7
81.	Krishna. A	Oil And Natural Gas Corporation		7
82.	Krishnan.S	Lucas Tvs Limited		15
83.	Madhavan A	Vigneshmoteurs Pvt Ltd.		16
84.	Manikandan A	Nissan		14
85.	Mohan Raj. K	Schangalaya Motors/Pondykarnavathi		14
86.	Moogesh	Mauliklearthercraft		15
87.	Muraligowthaman. S	Metal Scope		11
88.	Omprakash.G	Manakular Motors		15
89.	Parthiban. J	Schangalaya Motors, Pondykarnavati Industrial		15

90.	Prakash.K	Manakular Motors			12
91.	Prasath.D	Oil And Natural Gas Corporation			7
92.	Praveen.S	Lucas Tvs Limited			5
93.	Praveen Kumar S	Lucas Tvs Limited			15
94.	PraveshSaaye N	Accenous Integrals			7
95.	Priyadharsan S	Kosh Innovations			14
96.	Raagul S	Rane Madras Pvt.Ltd.			15
97.	Sai Krishna. P	Oil And Natural Gas Corporation Limited			7
98.	Sanjai.R	Nissan Vignesh Motors			7
99.	Sanjay.A	Ponlait			14
100.	Saran.S	Lucas-Tvs Limited			5
101.	Saravanan S	Lucas Tvs			15
102.	Sathieswaran.B	Rane Break Lining			14
103.	Sayed Iliyas S	Lucas-Tvs			18
104.	Sethuram.B	Rane Brake Lining Limited			14
105.	Sharan .M	Lucas - Tvs			15
106.	Sharane S	Schangalaya Motors			14
107.	Sooriya Narayanan S	Maulik Leather Crafts Pvt Ltd			10
108.	Surender M	Accenture			10
109.	Tharakesh.S	Rane Brakes Lining Ltd.			14
110.	Udhaiyanan P	Schangalaya Motors			14
111.	Vasanthan A	Nissan Service			7
112.	Venkatesh K	Rane Madras Pvt Limited			14
113.	Videsh Narayan V	Malik Leathercraft			10
114.	Vignesh G	Maulik Leathercrafts (P) Ltd			10
115.	Vignesh. K	Tenneco Clean Air India Pvt Ltd.			10
116.	Vignesh.K	Lucas Tvs, Thiruvandarkoil			15
117.	Vinoth J	Deciduolp			15
118.	Vishnu Prasanth S	Vigneshmoteurs Pvt Ltd			16
119.	Vyshnav S	Oil And Natural Gas Corporation			7
120.	Yuvaraj C	Axiom Automation			10
121.	AdithyaCharan.B	Coromandel International Limited			12
122.	Ajithkumar. A	Coromandel International Limited			13
123.	Arunviswanath G	Metco Roof			9
124.	K.Balamurugan	Coramendal International Limited			13
125.	Harisankar D	Coromendal International Limited			13
126.	Jeeva S	Rane Madras Pvt.Ltd			15
127.	Jeffrey Miller .J	Kosh Innovations			14
128.	Karthik K	Allianz Bioscience Pvt Limited			15
129.	Keerthi S.N	Benling India Pvt Ltd			15
130.	Ram Prasath R	Coromendal International			13

		Limited			
131.	Vignesh S	Saravana Global Energy Limited			12
132.	Vigneshwaran. S	Tvs Brakes India Chennai Pvt Ltd			5
133.	Viswanath S	Benling India Energy And Technology Pvt Ltd			15

## 6.2 Sponsored / Industry Projects

S.No	Name of the Student/s	Project Title	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

## 6.4 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1	Motherson Sintermetal Technology Ltd.	2022	Internship, Guest Lecture	2 Years
2	NuTech Industrial Parts Pvt. Ltd.	2023	Internship, Guest Lecture	2 Years
3	Mannschaft Engineering Solutions Pvt. Ltd.	2023	Internship, Guest Lecture	2 Years

## SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	19
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	Harishangar.S	ZOHO	7 LPA
2	Bharath. B	TCS	3.36 LPA
3	Gunalan.S	TCS	3.36 LPA

4	Kalaiselvan Baskaran	TCS	3.36 LPA
5	Lakshmanan.K	TCS	3.36 LPA
6	Naveen.P	TCS	3.36 LPA
7	Prakash .K	TCS	3.36 LPA
8	Praveen Kumar .D	TCS	3.36 LPA
9	Sanjay.A	TCS	3.36 LPA
10	Sethuram.B	TCS	3.36 LPA
11	Vyshnav. S	TCS	3.36 LPA
12	Arun Viswanath G	TCS	3.36 LPA
13	Jeeva S	TCS	3.36 LPA
14	Dharanidharan	CTS	4 LPA
15	Ganesh	CTS	4 LPA
16	Kalaiselvan Baskaran	CTS	4 LPA
17	Naveen	CTS	4 LPA
18	Saran	CTS	4 LPA
19	Surender.M	CTS	4 LPA

## 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

## 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	Festo Automation – Hands-on Demonstration	Department	04.05.2022	State	190
2	Technical Seminar on MEP (Mechanical, Electrical and Plumbing)	Department	24.12.2022	State	175

### 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	Surendhar S	Inter College State Level Football Tournament	Manakula Vinayagar Institute of Technology	Third Prize
2	Baranidharan M	Industrial Automation	Manakula Vinayagar Institute of Technology	Participated
3	Jeeva S	Robotics, Electric And Hybird Vechile Workshop	IIT Madras Research Park, Chennai.	Participated
4	Vigneshvaran S	18 South Zone Senior National Softball Championship	Acharya Nagarjuna University, Guntur Andhra Pradesh 522510	Third Prize
5	Balaji B	Innovators Day 2022	Sri Manakula Vinayagar Engineering College, Pondicherry-605 107	Participated
6	Balaji B	Voluntary Blood Conducted By Jipmer, Participate As Volunteer.	Sri Manakula Vinayagar Engineering College, Pondicherry-605 107	Participated
7	Rohith S	Embedded Systems	IITM Research Park - 600113	Participated
8	Harini K	Technovation2022	Mailam Engineering College	Participated
9	Idris	Technovation 2022	Mailam Engineering College	Participated
10	Chandrahari. V	Technovation2022	Mailam Engineering College	Participated
11	Sathieswaran.B	Road Safety	NSS	Third Prize
12	Narmadha G	Technovation	Mailam Engineering College , Tindivanam Talk, Villupuram	Participated
13	Johny Maria Michael R	Mechathon (On Spot Speech)	Acharya College Of Engineering	First Prize
14	Sudarson.V	Robocest Line Follower And Scientific Work	Anna University Chennai	First Prize
15	Pradeep Siva G	Online 3 Day Workshop On Basics of CFD And Openfoam	IIT Bombay, Main Gate Rd, IIT Area, Powai, Mumbai, Maharashtra 400076	Participated
16	Balaji B	Openfoam Workshop(Cfd Software)	Fossee (Free And Open Source Software For Education) And The Projects, Moe, Government Of India.	Participated
17	Rohith S	Workshop On Basics Of Cfd And Openfoam	IIT Bombay	Participated
18	Vigneshwaran. M	Cfd Workshop Online	Indian Institute Of Technology, Bombay. 400076	Participated
19	Rohith S	Robotic Process Automation (Rpa) Virtual Internship	AICTE	Participated

20	Hariraj C	Internship	Prasanna Precision Tools, Metupalayam, Puducherry 605 009	Participated
21	Sanjaikumar	"Build & Fly Your Own Drone",	Puducherry Technological University	Participated
22	B. Harshavarthan	Build And Fly Your Own Drone	Puducherry Technological University	Participated
23	Balaji B	Build And Fly Your Own Drown	Puducherry Technological University	Participated
24	R. Sivaprakash	"Build & Fly Your Own Drone"	Puducherry Technological University,	Participated
25	Srinivas Ganapathi M	Designing And Modelling Of Iot,Ai And MI Systems	Workshop	Participated
26	Srinivas Ganapathi M	Inplant Training	Industrial Visit	Participated
27	Sathish D	3 Day Workshop On Basics Of CFD AND OPENFOAM	Workshop	Participated
28	Sathish D	Designing And Modelling Of Iot, Ai & MI Systems	Workshop	Participated
29	Baranidharan M	Build & Fly Your Own Drone	Puducherry Technological University,	Participated
30	Tiroumoudy Aravindan T	Industrial Automation	Manakula Vinayagar Institute Of Technology	Participated
31	Praveshsaaye N	Academic Internship	Schangalaya Motors - Mahindra & Mahindra	Participated
32	Jeeva S	Christ Tech 2k23	Christ college Of Engineering And Technology Mullakulam 605010	First Prize
33	Juffali M Y	Intership	Eid Parry India Limited - No. 138, Keel Arungunam, Road, Nellikuppam, Tamil Nadu 607105	Participated
34	Mohamed Mufariz K	Automotive Stereo Control	Chennai Institute Of Technology, Kundrathur, Chennai, 600069.	Participated
35	Suciendran V	Stereo Control	Chennai Institute Of Technology, Kundrathur, Chennai-600069.	Participated
36	Pradeep Siva G	Three Day Training On Ansys-Basics & Beyond Structures-Fluids	Vellore Institute of Technology Chennai - 600127	Participated
37	Vivek.V	Robots	SRM	Participated
38	Dinesh A	Two Day National Level Seminar	IFET College, Villupuram, Tamilnadu	Participated
39	Sathish D	Ansys-Basics & Beyond Structures-Fluids	Vellore Institute of Technology Chennai	Participated
40	Jeeva S	MAVERICKZ,	V.R.S College of Engineering & ISTE	First Prize

41	Kalaiselvan Baskaran	SCIMIT'23	Manakula Vinayagar Institute of Technology	First Prize (cash prize Rs 10,000)
42	Siv Santhosh S	SCIMIT'23	Manakula Vinayagar Institute of Technology.	
43	Yokesh. B	SCIMIT'23	Manakula Vinayagar Institute of Technology	
44	Johny Maria Michel.R	TECHNOSPARK '23	Rajiv Gandhi College of Engineering and Technology	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
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	Mr.P.Jayakumar	Best Paper/Conference

**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. Thiagarajan	Advancements in Thermal and Renewable Energy Technologies	Lakireddy Bali Reddy College of Engineering	6
2	Dr.K. Hemalatha	Advancements in Thermal and Renewable Energy Technologies	Lakireddy Bali Reddy College of Engineering	6
3	Mr. D.Karunakaran	Advancements in Thermal and Renewable Energy Technologies	Lakireddy Bali Reddy College of Engineering	6
4	Dr.L.Saravanan	Advancements in Thermal and Renewable Energy Technologies	Lakireddy Bali Reddy College of Engineering	6
5	Mr.S.Gopinath	Advancements in Thermal and Renewable Energy Technologies	Lakireddy Bali Reddy College of Engineering	6
6	Mr.R.Azhaguvvel	Advancements in Thermal and Renewable Energy Technologies	Lakireddy Bali Reddy College of Engineering	6

7	Mr.Manjesh Thilak.S	Advancements in Thermal and Renewable Energy Technologies	Lakireddy Bali Reddy College of Engineering	6
8	Mr. S. Jai Ganesh	Advancements in Thermal and Renewable Energy Technologies	Lakireddy Bali Reddy College of Engineering	6
9	Mr.S. Naveen Kumar	Advancements in Thermal and Renewable Energy Technologies	Lakireddy Bali Reddy College of Engineering	6
10	Mr. D.Karunakaran	Futuristic Research in Mechanical Engineering	SRM Institute of Science and	6
11	Mr.M.Santhosh Kumar	Futuristic Research in Mechanical Engineering	SRM Institute of Science and	6
12	Dr.K. Hemalatha	Interdisciplinary Translational Science & Engineering	Vellore Institute of Technology, Vellore	5
13	Dr. S.Jayabharathy	Interdisciplinary Translational Science & Engineering	Vellore Institute of Technology, Vellore	5
14	Dr.G.G.Sozhamannan	Inculcating Universal Human Values in Technical Education	AICTE	5
15	Dr.A.G.Ganesh Kumar	Inculcating Universal Human Values in Technical Education	AICTE	5
16	Dr.R.Ravisankar	Inculcating Universal Human Values in Technical Education	AICTE	5
17	Dr.K. Velmurugan	A New Era of Manufacturing - Challenges and Opportunities	D.Y. Patil College of Engineering and	6
18	Dr. S. Gopalakannan	Innovations in Mechanical Engineering	Vasireddy Venkatadri Institute	5
19	Dr. A. Thiagarajan	Innovations in Mechanical Engineering	Vasireddy Venkatadri Institute	5
20	Dr. T. Coumaressin	Innovations in Mechanical Engineering	Vasireddy Venkatadri Institute	5
21	Dr.J.Pavalavana Pandian	Innovations in Mechanical Engineering	Vasireddy Venkatadri Institute	5
22	Mr. E.Manikandan	Innovations in Mechanical Engineering	Vasireddy Venkatadri Institute	5
23	Dr. L. Martin	Innovations in Mechanical Engineering	Vasireddy Venkatadri Institute	5
24	Mr.A. Giriprasath	Innovations in Mechanical Engineering	Vasireddy Venkatadri Institute	5
25	Mr.V. Ashok Kumar	Innovations in Mechanical Engineering	Vasireddy Venkatadri Institute	5
26	Mr.G.Harish	Innovations in Mechanical Engineering	Vasireddy Venkatadri Institute	5
27	Mr.N.Ponraj	Innovations in Mechanical Engineering	Vasireddy Venkatadri Institute	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	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	Publication count need to be increased
Collaborations and Linkages	Sponsored or Industry Projects count need to be increased
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. D.Raja  
Associate Professor  
Department of EEE  
SMVEC



Dr.N.Jothy  
Associate Professor  
Department of ECE  
SMVEC





**SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE**

An Autonomous Institution,  
Accredited by NAAC with 'A' grade  
Puducherry - 605107



**INTERNAL QUALITY ASSURANCE CELL**

**ACADEMIC AND ADMINISTRATIVE AUDIT**

**DEPARTMENT OF**  
**INSTRUMENTATION AND CONTROL ENGINEERING**





**ACADEMIC AND ADMINISTRATIVE AUDIT**

(Academic Year 2022-2023)

**INTERNAL AUDIT**

**SECTION –1: BASIC INFORMATION**

Audit Date	19.1.2023	
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	2
	Assistant Professor	12
Number of Technical Staff		
Number of Students	For B.Tech:	
	Year	Strength
	First Year	47
	Second Year	45
	Third Year	31
	Fourth Year	32
	Total	155
For M.Tech		
	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
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.	Dr. L. M. Varalakshmi	Planner, Designer, Decision maker R-2020	All Courses	R-2020, R-2023
2.	Mrs. T. Sudha	Manager, Implementer	Computer Control of Processes	IV/VII

			Computer Control of Processes Lab	IV/VII		
			Modern Electronic Instrumentation	IV/VII PE		
			Industrial Safety	IV/VIII PE		
			Design of Process Control System Components	IV/VIII		
			<b>R-2023</b>			
			Curriculum design			
			<b>R-2020</b>			
			Process Automation	IV/VII		
			Process Automation Lab	IV/VII		
			System Identification and Adaptive Control	IV/VIII PE		
			Industrial Data Networks	IV/VIII PE		
			Web Based Instrumentation	IV/VIII PE		
			<b>R-2023</b>			
			Electron Devices and Circuits	I/II		
			Electron Devices and Circuits Laboratory	I/II		
			Curriculum design			
			<b>R-2020</b>			
			Automotive Instrumentation System	IV/ VII		
			Advanced Instrumentation System	IV/VIII		
			Safety Instrumented System	IV/VIII		
			<b>R-2023</b>			
			Transducer Engineering	I/II		
			Electron Devices and Circuits Laboratory	I/II		
			Transducer Engineering Laboratory	I/II		
			Curriculum design			
			<b>R-2020</b>			
			Industry 4.0	IV/VII		
			Fiber Optics and Laser Instrumentation	IV/VII		
			<b>R-2023</b>			
3.	Mr. J. Jeevanantham	Manager, Implementer				
4.	Dr. M. Rekha	Coordinator, Implementer, R-2020/ R-2019 Curriculum and Syllabus				
5.	Dr. D.Sivanandakumar	Evaluator				

			Fundamentals of Electrical Machines	I/I
			Fundamentals of Electrical Machines Laboratory	I/I
			Curriculum design	
			R-2020	
			Instrumentation in Process Industries	IV/VIII
			Power Plant Instrumentation	IV/VII PE
			Instrumentation for Agricultural and Food Processing Industries	IV/VIII PE
			R-2023	
			Curriculum design	
			Fundamentals of Electrical Machines	I/I
			Fundamentals of Electrical Machines Laboratory	I/I
6.	Mr. P. Naveen kumar	Implementer	R-2020	
			Cyber Security in Industrial Automation	IV/VIII
			Field Instrumentation and Cabling	IV/VIII
			R-2023	
			Transducer Engineering	I/II
			Transducer Engineering Laboratory	I/II
			Curriculum design	
7.	Ms. P. Kiruthika	Implementer	R-2020	

### 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	IV/VII	Computer Control of Processes	U19ICE71	32
2	II/IV	Communication Systems	U20ICE403	31

### 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	II/IV	AI&DS	Introduction to Data Science	U20ADO402	31
2	IV/VII	CSE	Artificial Intelligence	U19CSO76	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	II/IV	Skill Development Course 3: Calibration of Measuring Instruments	U20ICS403	31
2	I/II	Skill Development Course 1: Demonstration of Workshop Practices	U20ICS201	42

## 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 : Introduction to C Programming	U20ICC257	42
2	II/IV	Certification Course – IV: Java Programming	U20ICC460	31

## 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	NSS	U20ICM404	31
2	I/II	Environmental Science	U20ICM202	42

## SECTION –3: TEACHING, LEARNING AND EVALUATION

### 3.1 Course Delivery

IV Year / VII 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	Biomedical Instrumentation/ U19ICT71	Dr. K. Naveenkumar	45	45	45
2	Process Automation/U19ICT72	Mr. J.Jeevanantham	45	45	45
3	Computer Control of Processes/U19ICE71	Mrs. T. Sudha	45	45	45
4	Artificial Intelligence/U19CS076	Mrs.P.Bhavani	45	45	45
5	Business Basics for Entrepreneur/U19ICP71	Mr.R.Sivakumar	30	30	30
6	Process Automation lab/U19ICP72	Mr. J.Jeevanantham	30	30	30
7	Virtual Instrumentation Lab/U19ICP73	Dr. K. Naveenkumar	30	30	30

8	Comprehensive viva voce/U19ICP74	Ms.P.Kiruthika	30	30	30
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**II Year / IV 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	Probability and Statistics/U20BST430	Mrs.S.P.Lavanya	60	60	60
2	Programming in JAVA/U20EST467	Mrs.S.Subasree	45	45	45
3	Linear Control Systems/U20ICT408	Mrs. T. Sudha	60	60	60
4	Microcontroller Based System Design/U20ICT409	Dr. D. Sivanandhakumar	45	45	45
5	Communication Systems/U20ICE403	Dr. L. M. Varalakshmi	45	45	45
6	Introduction to Data Science/U20ADO402	Mrs.M.Maragadhavalli Meenakshi	45	45	45
7	General Proficiency - II/U20HSP402	Mrs.G.Namita	30	30	30
8	Programming in JAVA Lab/U20ESP468	Mrs.S.Subasree	30	30	30
9	Microcontroller Based System Design lab/U20ICP404	Dr. D. Sivanandhakumar	30	30	30
10	Simulation Lab/U20ICP405	Mrs. T. Sudha	30	30	30

**I Year / II Semester - (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	Engineering Mathematics – II (Multiple Integrals and Transforms) / U20BST215	Mrs.S.P.Lavanya	60	60	60
2	Programming in C / U20EST201	Mrs.S.Subasree	45	45	45
3	Circuit Theory / U20ICT201	Dr. K. Naveenkumar	60	60	60

4	Electronic Circuits / U20ICT202	Dr. M. Rekha	45	45	45
5	Signals and Systems / U20ICT203	Dr. D. Sivanandakumar	45	45	45
6	Transducer Engineering / U20ICT204	Ms. P. Kiruthika	45	45	45
7	Programming in C lab / U20ESP202	Mrs.S.Subasree	30	30	30
8	Electronic Circuits Lab / U20ICP201	Dr. M. Rekha	30	30	30
9	Transducer Engineering Lab / U20ICP202	Ms. P. Kiruthika	30	30	30

### 3.2 Use of ICT Tools in Teaching Learning

**I Year / II Semester - (2021-2025)**

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Ms.T. Kalaiselvi	Engineering Mathematics –II (Multiple Integrals and Transforms) / U20BST215	Board & Chalk
2	Ms.V.Swetha	Programming in C / U20EST201	Board & Chalk, PPT, VIDEO
3	Dr. K. Naveenkumar	Circuit Theory / U20ICT201	Board & Chalk, PPT, VIDEO
4	Mr. J.Jeevanantham	Electronic Circuits / U20ICT202	Board & Chalk, PPT, VIDEO
5	Mr.Pushparaj	Signals and Systems / U20ICT203	Board & Chalk, PPT, VIDEO
6	Dr. M. Rekha	Transducer Engineering / U20ICT204	Board & Chalk, PPT, VIDEO
7	Ms.V.Swetha	Programming in C lab / U20ESP202	PPT, VIDEO
8	Mr. J.Jeevanantham	Electronic Circuits Lab / U20ICP201	PPT, VIDEO
9	Dr. M. Rekha	Transducer Engineering Lab / U20ICP202	PPT, VIDEO

**IV Year / VII Semester - (2019-2023)**

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr. K. Naveenkumar	Biomedical Instrumentation/ U19ICT71	Board & Chalk, PPT, VIDEO
2	Mr. J.Jeevanantham	Process Automation/U19ICT72	Board & Chalk, PPT, VIDEO
3	Mrs. T. Sudha	Computer Control of Processes/U19ICE71	Board & Chalk, PPT, VIDEO
4	Mrs.P.Bhavani	Artificial Intelligence/U19CSO76	PPT, VIDEO
5	Mr.R.Sivakumar	Business Basics for Entrepreneur/U19ICP71	PPT, VIDEO, LMS
6	Mr. J.Jeevanantham	Process Automation lab/U19ICP72	PPT, VIDEO
7	Dr. K. Naveenkumar	Virtual Instrumentation Lab/U19ICP73	PPT, VIDEO
8	Ms.P.Kiruthika	Comprehensive viva voce/U19ICP74	PPT, VIDEO

### 3.3 List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1	Practical Applications of Arudino	Er. S. Balabasker, Founder, Ediylabs Technology solutions, Cuddalore	09.07.22	68
2	Programmable Device	Mr.A.Ashiq Ahamed, Managing Director and Chief Trainer, Bistate systems, Pondicherry.	06.08.22	105
3	Embedded system design using PLC2148 microcontroller	Mr.S.Bharath, Embedded engineer VI Microsystems PVT. LTD, Industrial Estate, Perungudi, Chennai	19.11.23	60
4	Excelling in Coding	Mr. Komalaselvan, System Engineer, Tata Consultancy Services, Chennai	31.10.22	47

### 3.4 Activities for Slow and Advanced Learners

IV Year / VII Semester - (2019-2023)

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.	Biomedical Instrumentation/ U19ICT71	Dr. K. Naveenkumar	Yes	05	Yes
2.	Process Automation/U19ICT72	Mr. J.Jeevanantham	Yes	04	Yes
3.	Computer Control of Processes/U19ICE71	Mrs. T. Sudha	Yes	05	Yes
4.	Artificial Intelligence/U19CSO76	Mrs.P.Bhavani	Yes	06	Yes
5.	Business Basics for Entrepreneur/U19ICP71	Mr.R.Sivakumar	Yes	00	Yes

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
152	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: Mention the target: (2018-2022) ➔ 75% (2019-2023) ➔ 60% (2020-2024) ➔ 70%
4	PSO and PO attainment through CO	Yes	

### 3.8 Student Performance in End Semester Examination

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	38	
2	Number of All Clear Students	36	
3	Number of Students passed with Distinction	10	
4	Number of Students passed with First Class	26	
5	Number of Students passed with Second Class	-	
6	Number of Students Failed	02	
7	Passing Percentage	95	

## 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	9	
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	5	
3	Student Exit Survey conducted and Analysed	Yes	32	
4	Alumni Feedback conducted and Analysed	Yes	30	

2	Robust Controller Based Power Frequency Regulation For Deregulated Power Systems With Case Study	Vinothkumar M, Naveenkumar K & Kamalakkannan. N	Journal of Harbin Institute of Technology	Issn: 0367-6234 Vol. 54 Iss. 8 2022	Scopus
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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
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	A Study Of Machine Learning, Iot And Bigdata In Smart Cities	S. Sathyapoobalan, R. Neela K Naveenkumar	International Conference on Emerging Innovative Technologies In Engineering (ICEITE'22)	International Conference on Emerging Innovative Technologies In Engineering (ICEITE'22)	-	SMVEC
2	Autonomous measuring system for photovoltaic's	M. Rekha	NCRETRE'22	NCRETRE'22	-	Adhiparasakthi College of Engineering, kalavai
3	Electromechanical analysis for Rectangular and T-Shaped rails over a Flat surface Armature	Dr. M. N. Saravana Kumar, Dr. R. Murugan, P.SureshKumar, Dr. D. Sivanandhakumar	International Conference on Emerging Innovative Technologies In Engineering (ICEITE'22)	International Conference on Emerging Innovative Technologies In Engineering (ICEITE'22)	-	SMVEC

#### Books / Book Chapters

S.No	Title of Book / Book Chapter	Name of the Authors	ISBN / ISSN	Publisher
1	Measurements and Instrumentation	Dr. K. Naveenkumar	978-93-84634-85-8	A.R.S. PUBLICATIONS

#### Patent

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

### 7.1 Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1	Dineshkumar . S	TCS	3.86 LAKHS
2	Thowfic Basha . S	TCS	3.86 LAKHS
3	Vadrot Dydimus . F	TCS	3.86 LAKHS
4	Mohamed Fawaz.K	CTS	4.0 LAKHS
5	Dhinakaran.V	AVALON TECHNOLOGY LTD	4.0 LAKHS
6	Manoj Kumar.R	FORD MOTORS	6.0 LAKHS
7	B.Gautam	HEXAWARE	6.0 LAKHS
8	B.Gautam	CTS	6.0 LAKHS
9	Swathi.N	SUPPORT STUDIO	3.0 LAKHS
10	Revathi.M	SUPPORT STUDIO	3.0 LAKHS
11	Danush Bala Harish V	EQUATION CALIBRATION PVT.LTD	2.0 LAKHS
12	Manoj P	EQUATION CALIBRATION PVT.LTD	2.0 LAKHS
13	Jagatheswaran.S	EQUATION CALIBRATION PVT.LTD	2.0 LAKHS
14	Sanjai.R	EQUATION CALIBRATION PVT.LTD	2.0 LAKHS
15	Mohamed Khalidh I	EQUATION CALIBRATION PVT.LTD	2.0 LAKHS
16	Vegneswaran.M	EQUATION CALIBRATION PVT.LTD	2.0 LAKHS
17	Lokesh.A	TECHNOLOGIES GLOBAL PVT.LTD	2.0 LAKHS
18	Daniel Sam .M.A	WTT INTERNATIONAL PVT.LTD	2.0 LAKHS
19	Guhan K	SUN INDUSTRIAL AUTOMATION PVT.LTD	2.0 LAKHS
20	Pradeep J	EQUATION CALIBRATION PVT.LTD	2.0 LAKHS
21	Praveen P	EQUATION CALIBRATION PVT.LTD	2.0 LAKHS
22	Mohamed Fawaz K	KOHAN CONTROL	2.5 LAKHS
23	Angalan R	KOHAN CONTROL	2.5 LAKHS

### 7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1	Krishnakumar.E	SMVEC	M.B.A
2	Vianny cibi Raymond	Ecole d'Ingenieurs en Informatique	M.S (CSE)
3	Romaric Sallustre	Ecole d'Ingenieurs en Informatique	M.S (CSE)

### 7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
			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. L. M. Varalakshmi	10 Year Achievement
2	Mrs.T.Sudha	Best Teacher Award
3	Mrs. T. Sudha	Mentor for NPTEL Certification course
4	Mr. J. Jeevanantham	9 Year Achievement

**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	Mr. J. Jeevanantham	Inculcating universal human values in Technical education.	AICTE National	5
2	Dr. M. Rekha	UHV -II	AICTE National	6
3	Ms. P. Kiruthika	UHV -II	AICTE National	6
4	Ms. P. Kiruthika	Inculcating universal human values in Technical education.	AICTE National	5
5	Dr. M. Rekha	Machine learning and its real time applications.	SMVEC National	5
6	Ms. P. Kiruthika	Academic Management in the Digital Era	SMVEC State	1
7	Ms. P. Kiruthika	Machine learning and its real time applications.	SMVEC National	5
8	Mrs. T. Sudha	How to improve your research skills.	Puducherry Technological University National	2
9	Dr. D. Sivanandakumar	Inculcating universal human values in Technical education.	AICTE National	5
10	Mrs. T. Sudha	Inculcating universal human values in Technical education.	AICTE National	5

**Recommendations:**

Section	Remarks
Curricular Aspects	-
Teaching, Learning and Evaluation	-
Structured Feedback	-
Research, Innovation and Publications	Require more focus and attention in research for receiving funds
Collaborations and Linkages	Need more attention with the industrial tie ups
Student Progression	-
Activity Conducted / Organized by the Department	-
Achievements	-
General Remarks	-

**Signature of the Internal Academic Audit Experts**



**Dr. R. Kurinjimalar**  
Professor  
Department of Electronics and Communication Engineering  
SMVEC, Puducherry



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



**SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE**

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**INTERNAL QUALITY ASSURANCE CELL**

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**ACADEMIC AND ADMINISTRATIVE AUDIT**

**DEPARTMENT OF**

**CIVIL ENGINEERING**



**ACADEMIC AND ADMINISTRATIVE AUDIT**

(Academic Year: 2022 - 2023)

**INTERNAL AUDIT**

**SECTION -1: BASIC INFORMATION**

Audit Date	19.01.2023															
Name of the Department	Civil Engineering															
Year of Establishment	2012															
Programs Offered	<table border="1"> <tr> <td>Name of the Program</td> <td>Approved Intake</td> </tr> <tr> <td>U.G programs -B.Tech</td> <td>60</td> </tr> </table>		Name of the Program	Approved Intake	U.G programs -B.Tech	60										
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	22														
Number of Technical Staff	1															
Number of Students	<table border="1"> <tr> <td colspan="2">For B.Tech:</td> </tr> <tr> <td>Year</td> <td>Strength</td> </tr> <tr> <td>First Year</td> <td>35</td> </tr> <tr> <td>Second Year</td> <td>-</td> </tr> <tr> <td>Third Year</td> <td>40</td> </tr> <tr> <td>Fourth Year</td> <td>35</td> </tr> <tr> <td>Total</td> <td>110</td> </tr> </table>		For B.Tech:		Year	Strength	First Year	35	Second Year	-	Third Year	40	Fourth Year	35	Total	110
For B.Tech:																
Year	Strength															
First Year	35															
Second Year	-															
Third Year	40															
Fourth Year	35															
Total	110															
<table border="1"> <tr> <td colspan="2">For M.Tech</td> </tr> <tr> <td>Year</td> <td>Strength</td> </tr> <tr> <td>First Year</td> <td>NA</td> </tr> <tr> <td>Second Year</td> <td>NA</td> </tr> <tr> <td>Total</td> <td>NA</td> </tr> </table>		For M.Tech		Year	Strength	First Year	NA	Second Year	NA	Total	NA					
For M.Tech																
Year	Strength															
First Year	NA															
Second Year	NA															
Total	NA															
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	-

**SECTION –3: TEACHING, LEARNING AND EVALUATION**

**3.1 Course Delivery:**

**ODD SEM**

**I Year / II Semester / 2021-2025**

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 conducte
1.	Engineering Mathematics - II Multiple Integrals and Transforms	U20BST215	Mrs.T.Kalai selvi	60	60	51
2.	Basic Electrical and Electronics Engineering	U20EST217	Ms. Suruthi	45	45	54
3.	Green Buildings	U20EST242	Ms .A. Aswini	45	45	46
4.	Mechanics of Solids - I	U20CET202	Mrs. D. Sathiyasree	60	60	56
5.	Fluid Mechanics and Machinery	U20CET203	Dr. S. Jayakumar	60	60	57
6.	Building Construction	U20CET204	Mr.S.Azhagarsamy	45	45	44

**PRACTICAL**

7.	Basic Electrical and Electronics Engineering Laboratory	U20ESP218	Ms. Suruthi	30	30	27
8.	Fluid Mechanics and Machines Laboratory	U20CEP203	Mr. K.S.Prasath	30	30	29
9.	Strength of Materials Laboratory	U20CEP204	Mrs.D.Sathiyasree	30	30	24

**II Year / IV 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 conducte
1.	Numerical Methods	U20BST434	Dr.K.Kamala	60	60	49
2.	Programming in Java	U20EST467	Mrs.Karthika	45	45	48
3.	Design of RC Elements	U20CET409	Mr. K.S.Prasath	60	60	57
4.	Geotechnical Engineering- II	U20CET410	Mr.C.Raj Govind	45	45	55
5.	Alternative Building Materials and Technologies	U20CEE405	Mrs.S.Banupriya	45	45	41
6.	Sensors and Transducers	U20ICO401	Mr.Ganesan	45	45	43

**PRACTICAL**

7.	General Proficiency - II	U20HSP402	Ms. Gajalakshmi	30	30	22
8.	Numerical Methods Laboratory	U20BSP435	Dr.K.Kamala	30	30	25
9.	Programming In Java Laboratory	U20ESP468	Mrs.Karthika	30	30	20
10.	Geotechnical Engineering Laboratory	U20CEP407	Mr.C.Raj Govind	30	30	30

12.	Mr.Ganesan	Sensors and Transducers	PPT/Lecture Videos
13.	Mr .K .Srinivasan	Hydrology and Water Resource Engineering	PPT/Lecture Videos
14.	Ms. G. Yamuna	Transportation Engineering	PPT/Lecture Videos
15.	Dr. S. Sundararaman	Site Investigation Methods and Practices	PPT/Lecture Videos
16.	Mrs.Karthika	Cloud Technology and its 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 Audience
1.	Architecture and Civil Engineering - An interface	Ar. R. Ramesh Babu, Principal Architect, Vedic Designs, Puducherry.	13.06.2022	97
2.	World Environmental Day (only one earth)	Dr.M.P.Ramanujam, Ph.D Member, State Higher Education Council, Govt. of Puducherry	22.06.2022	75
3.	Heritage Monuments	Er.S. Thirougnaname, Assistant Engineer, PWD, Puducherry	28.06.2022	40
4.	Accelerated bridge construction	Dr.U. Johnson Alengaram Associate Professor, Director, Department of Civil Engineering, Faculty of Engineering, University of Malaya, Kuala Lumpur, Malaysia	14.07.2022	20
5.	Self Compacting Concrete - An overview and practical application	Er.S. Thirougnaname, Assistant Engineer, PWD, Puducherry Smart city office	08.08.2022	40

### 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)
<b>I Year / II Semester / 2021-2025</b>					
1.	Engineering Mathematics - II Multiple Integrals and Transforms	Mrs.T.Kalai selvi	Yes	5	Yes
2.	Basic Electrical and Electronics Engineering	Ms. Suruthi	Yes	3	Yes
3.	Green Buildings	Ms .A. Aswini	Yes	4	Yes
4.	Mechanics of Solids - I	Mrs. D. Sathiyasree		3	
5.	Fluid Mechanics and Machinery	Dr. S. Jayakumar	Yes	5	Yes
6.	Building Construction	Mr.S.Azhagarsamy	Yes	4	Yes

### 3.8 Student Performance in End Semester Examination

#### ODD SEMESTER

#### I Year / II Semester / 2021-2025

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	35	Nil
2	Number of All Clear Students	29	
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	06	
7	Passing Percentage	82.85%	

#### II Year / IV Semester / 2020-2024

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	40	Nil
2	Number of All Clear Students	22	
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	55%	

#### IV Year / VII Semester / 2019-2023

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	35	Nil
2	Number of All Clear Students	31	
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	04	
7	Passing Percentage	88.57%	

#### 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	110	-
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	110	-
3	Student Exit Survey conducted and Analysed	No	51	-
4	Alumni Feedback conducted and Analysed	No	51	-

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. Sundararaman	Alochana Chakra Journal	ISSN NO: 2231- 3990.

### International Journal

#### Academic year 2019-20

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
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.Jayakumar	SSRG International Journal of Civil Engineering	Volume 7 Issue 5 – May 2020	-
4	Study on Properties of TRI Block Masonry	Dr.S.Jayakumar	The International Journal OF Analytical and Experiment Modal Analysis	ISSN 0886-9367 Volume XII , Issue V, May 2020.	-

#### Academic year 2020-21

1	Effect of nano silica on compressive strength and durability 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	Dr. S. Sundararaman	Journal of Xidian University,	Vol. 14, Issue 6, 2020, ISSN: 1001-	-

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	-
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	Aswini A	Scientific Research in Engineering and	Vol. 4, Issue 7, 2020	-

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:2 6/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	-

**Academic Year 2022-23**

Nil

#### National Conference

S. N o	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	Name of the Conference	ISBN / ISSN	Publisher
1	An Experimental Study on Purification of Leachate and Analysis of Its Application in Plant Growth	K. Srinivasan, D. Davakumar, A. Eshwaran M. Mouleeswar	Bloenergy & blo-products from Agro-Industrial sector and its associated Circular Economy (BACE-2023)	National conference	-	-

6	Experimental Investigation on Strength Parameters of Interlocking Block Using Magnetic Water, Rice Husk Ash And Steel Fiber - A Review	Mrs.D.Sathiyasree B. Kesavamoorthy R. Sasikumar K. Harish	Engineering Innovation development in Engineering Advances (ICC IDEA - 2023)	International Conference	-	-
7	Production of bio - ethanol and bio diesel from dairy industry wastewater using algae	Ms.G.Yamuna C.Shanmugapriya P.Agila M. Sagunthala Priyadharshini	Emerging trends in engineering, sciences & technology (ICETEST - 2023), Poornima University, Jaipur	International Conference	-	-
8	An experimental study on removal of oil and grease using laterite soil and moringa oleifera	Ms.G.Yamuna G.Logesh A.R. Naveen Kumar M.Deepan R. Naveen Prasad	Emerging trends in engineering, sciences & technology (ICETEST - 2023), Poornima University, Jaipur	International Conference	-	-
9	Experimental Studies on the Flexural Strength using Bagasse Ash and M-Sand in Concrete	Dr.S.Sundararaman S.Azhagarsamy	Engineering Innovation development in Engineering Advances (ICC IDEA - 2023)	International Conference	-	-
10	An experimental study on clay brick incorporated with egg shell powder, waste glass powder and wood saw dust- review	A.Kalyani K.Vijai Srei K.Haritha R.Nandini	Recent Trends in Science, Engineering & Management (ICRTSEM - 2023)	International Conference	978-93-5786-737-5	G.Balaji Publisher

### Books / Book Chapters

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

S. No	Name of the Students	Name of the Sponsored Industry / Research Institute / Partnering Institution	Duration		
			Duration	From	To
9.	Gopinath. V	Ravi Constructons	15 Days	07-06-2022	22/07/2022
10.	Harish. K	Goodluck Construction	15 Days	06-03-2022	15/06/2022
11.	Haritha. K	Pranash Consultant	15 Days	06-06-2022	25/06/2022
12.	Ilakkya. M.S.	Pranash Consultant	15 Days	06-06-2022	25/06/2022
13.	Keerthana. V	A.Soundaradjou P.W.D Contractor	15 Days	06-05-2022	21/06/2022
14.	Kesavamoorthy.B	OHM Creator	15 Days	30/05/2022	14/06/2022
15.	Logesh G	Ravi Constructons	15 Days	07-06-2022	22/07/2022
16.	Mouleeswar M	AFJ Associates	15 Days	06-01-2022	16/06/2022
17.	Nandini .R	A & B Construction	15 Days	16/06/2022	30/06/2022
18.	Naveen Kumar.A.R	S.Ganesan P.W.D Contractor	15 Days	07-06-2022	22/07/2022
19.	Naveen Prasad. R	K.Arunagiri Civil Engineering & Contractor	15 Days	30/05/2022	16/06/2022
20.	Premkumar. V	Pwd Water Resources Department	15 Days	30/05/2022	13/06/2022
21.	Rohith. J.V.K.	Pwd Water Resources Department	15 Days	30/05/2022	13/06/2022
22.	Sagundhala Priyadarshini	Goodluck Construction	15 Days	15/07/2022	31/07/2022
23.	Shanmuga Priya. C	Build-Tech Construction	15 Days	07-06-2022	22/07/2022
24.	Sivaguru.M	Phoenix Constructions	15 Days	30/05/2022	14/06/2022
25.	Sriram. B	K.Agilan Govt Contractor	15 Days	06-03-2022	15/06/2022
26.	Sriram. S	K.Agilan Govt Contractor	15 Days	06-03-2022	15/06/2022
27.	Thamizhselvan. M	P.Vishnuvarthan PWD Contractor	15 Days	28/06/2022	13/07/2022
28.	Tharsinee K	A.Soundaradjou P.W.D Contractor	15 Days	06-05-2022	21/06/2022
29.	Thirunavookarasu. B	S.Rajakugan Govt Pwd Contractor	15 Days	30/05/2022	15/06/2022
30.	Vijai Srei K	New Hi Tech Constructions	15 Days	07-06-2022	22/07/2022
31.	Vishwa. B	Sri Vedhaa Creations (P) Ltd	15 Days	30/05/2022	14/06/2022
32.	Sasikumar R	Kavi Builders And Promoters	15 Days	06-01-2022	18/06/2022
33.	Sree Shankar Raman.G	Phoenix Constructions	15 Days	30/05/2022	14/06/2022
34.	Shanthakumar.K	S.Ganesan P.W.D Contractor	15 Days	07-06-2022	22/07/2022
35.	Kabilan.K	P.Vishnuvarthan Pwd Contractor	15 Days	28/06/2022	13/07/2022

7.	Ilakkya.M.S	Stiffeners Property Valuers & Consultants	2.4 Lakhs/Annum
8.	Tharsinee.K	Stiffeners Property Valuers & Consultants	2.4 Lakhs/Annum

## 7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted to
1.	Ashwinkumar.A.M	Annamalai University	B.P.ED
2.	Gautham M	Vellore Institute of Technology	M.Tech Structural Engineering
3.	Mary Rosily S Menachery	College of Engineering, Thiruvananthapuram	Financial Engineering
4.	Remin Javad	Vellore Institute of Technology	M.Tech Structural Engineering
5.	Senthil Naarayanan.A	SRM Institute of Technology & Science (Deemed University)	M.Tech Structural Engineering
6.	Vimala.R	Sona College of Technology	M.E Structural Engineering
7.	Vijaya. D	Puducherry Technological University	M.Tech Environmental Engineering
8.	Vinay.S	SRM Institute of Technology & Science (Deemed University)	M.Tech Structural Engineering
9.	Vishwa.B	SRM Institute of Technology & Science (Deemed University)	M.Tech Structural Engineering
10.	Vimaladevi.K	Hindustan institute of Technology & Science	M.Tech (Structural and Concrete Engineering)
11.	Yamini.L	Hindustan institute of Technology & Science	M.Tech (Structural and Concrete Engineering)
12.	Yasika.G	SRM Institute of Technology & Science (Deemed University)	M.Tech Structural Engineering
13.	Yoshitha.A	SRM Institute of Technology & Science (Deemed University)	M.Tech Structural Engineering

## 7.3 Entrepreneur

S.No	Name of the Student	Name of the Company	Nature of Company	Location / Address
1	Er.M.Vijay	Vijay Construction , Villupuram	Building Planning, Designing, Estimation, PPA Works	No.7/24, Virattikuppam Pathai, Vandimedu, Villupuram - 605602 Ph. 9445149023
2	Er.K.Surya	Er.Surya Civil Engineering & Contractor, Pondicherry	Building Planning, Designing, Estimation, PPA Works	Thanakodi Building 1 floor, No.142, Anna Salai, Puducherry 605 001. Ph. 73972 44333
3	Er.K.Iraianban	Vism Builder's, Pondicherry	Building Planning, Designing, Estimation, PPA Works	No.172, 2nd Floor, Mission Street, Puducherry- 605001. Ph. 9498896147

8	Pradeep.p	Auto Cad Drawing Competition	V.R.S College of Engineering and Technology	1st Prize
9	Lokeshwaran.v	Paper Presentation	Rajiv Gandhi college of engineering and technology	1st 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	ACCE, ICI ,PONCEA, IEI, ISTE, Puducherry (State Level)
2	Dr.S.Sundararaman	Participated as chairperson for valuation Board at Pondicherry university (University Level )
3	Dr.S.Sundararaman	Question Paper Setter for Dhanalakshmi Srinivasan Engineering College and Anurag Engineering College, External Examiner to Evaluate the Thesis for Bharath University.
4	Dr.S.Jayakumar	ACCE, ISTE, ICI, PONCEA & IEI
5	Mrs.A.Kalyani	ISTE & External Examiner
6	Mr. K.Srinivasan	External Examiner
7	Ms.G. Yamuna	ISTE & External Examiner
8	Mrs.D.Sathiyasree	ACCE & External Examiner
9	Mrs.B.Pallavi	ISTE
10	Mr.Azhargarsamy	ACCE & External Examiner
11	Mrs.C.Sarika	PONCEA & IEI
12	Mrs.P.Poonthaleer	IEI
13	Mr.S.Tiroumalai	ACCE

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

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1	K.S.Prasath	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	Dr.S.Jayakumar	20 years of Academic Excellence award - SMVEC
2	Mr. K.Srinivasan	Best Teacher 2023 - SMVEC

10	Ms .A. Aswini	CK College of Engineering and Technology	Futuristic Research Scope in Civil Engineering	23.08.2022 to 27.08.2022
11	Ms.G.Yamuna	Mahatma Gandhi Institute of Technology	Smart tools and methodologies for Academic Research	01.08.2022 to 05.08.2022
		CK College of Engineering and Technology	Futuristic Research Scope in Civil Engineering	23.08.2022 to 27.08.2022
12	Ms.S.Nivedita	CK College of Engineering and Technology	Futuristic Research Scope in Civil Engineering	23.08.2022 to 27.08.2022
13	Mrs.D.Sathiyasree	Mahatma Gandhi Institute of Technology	Smart tools and methodologies for Academic Research	01.08.2022 to 05.08.2022
		CK College of Engineering and Technology	Futuristic Research Scope in Civil Engineering	23.08.2022 to 27.08.2022
14	Mr.S.Azhaarsamy	Mahatma Gandhi Institute of Technology	Smart tools and methodologies for Academic Research	01.08.2022 to 05.08.2022
		CK College of Engineering and Technology	Futuristic Research Scope in Civil Engineering	23.08.2022 to 27.08.2022
15	Mrs. A. Sathiya Priya	ABES Engineering College	Research Methodology and Tools	22.08.2022 to 26.08.2022
16	Mrs.B.Pallavi	CK College of Engineering and Technology	Futuristic Research Scope in Civil Engineering	23.08.2022 to 27.08.2022
17	Mr. G. Senthil Raj	CK College of Engineering and Technology	Futuristic Research Scope in Civil Engineering	23.08.2022 to 27.08.2022
18	Mr. R. Badhrinadhan	ABES Engineering College	Research Methodology and Tools	22.08.2022 to 26.08.2022
19	Mrs.C.Sarika	Mahatma Gandhi Institute of Technology	Smart tools and methodologies for Academic Research	01.08.2022 to 05.08.2022
		CK College of Engineering and Technology	Futuristic Research Scope in Civil Engineering	23.08.2022 to 27.08.2022
20	Mr.S.Madivanan	CK College of Engineering and Technology	Futuristic Research Scope in Civil Engineering	23.08.2022 to 27.08.2022

**Recommendations:**

Section	Remarks
Curricular Aspects	All relevant documents are verified
Teaching, Learning and Evaluation	For Professional and Elective choice a detailed break up of student choice to be made available
Structured Feedback	Sample viva questions can be given for each experiments so students can be able to understand better on the concepts
Research, Innovation and Publications	Need to publish books/ book chapters
Collaborations and Linkages	Publication on International conference to be improved. Placement in core company to be improved
Student Progression	All relevant documents are verified
Activity Conducted / Organized by the Department	All relevant documents are verified
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. R. Kurinjimalar**  
Professor

Department of Electronics & Communication Engineering,  
SMVEC



**Dr. K. Hemalatha**  
Associate Professor

Department of Mechanical Engineering,  
SMVEC





**SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE**

An Autonomous Institution,  
Accredited by NAAC with 'A' grade  
Puducherry - 605107



**INTERNAL QUALITY ASSURANCE CELL**

**ACADEMIC AND ADMINISTRATIVE AUDIT**

**DEPARTMENT OF**

**MECHATRONICS**





**ACADEMIC AND ADMINISTRATIVE AUDIT**

(Academic Year 2022-2023)

**Internal Audit**

**SECTION –1 : BASIC INFORMATION**

Audit Date	20.01.2023																									
Name of the Department	Mechatronics																									
Year of Establishment	2019																									
Programs Offered	<table border="1"> <tr> <th>Name of the Program</th> <th>Approved Intake</th> </tr> <tr> <td>B.Tech – Mechatronics</td> <td>60</td> </tr> </table>		Name of the Program	Approved Intake	B.Tech – Mechatronics	60																				
Name of the Program	Approved Intake																									
B.Tech – Mechatronics	60																									
Head of the Department	Dr.G.Balamuruga MohanRaj																									
Number of full time Teachers	<table border="1"> <tr> <td>Professor</td> <td>1</td> </tr> <tr> <td>Associate Professor</td> <td>-</td> </tr> <tr> <td>Assistant Professor</td> <td>11</td> </tr> </table>	Professor	1	Associate Professor	-	Assistant Professor	11																			
Professor	1																									
Associate Professor	-																									
Assistant Professor	11																									
Number of Technical Staff																										
Number of Students	<table border="1"> <tr> <td colspan="2">For B.Tech:</td> </tr> <tr> <th>Year</th> <th>Strength</th> </tr> <tr> <td>First Year</td> <td>-</td> </tr> <tr> <td>Second Year</td> <td>38</td> </tr> <tr> <td>Third Year</td> <td>30</td> </tr> <tr> <td>Fourth Year</td> <td>15</td> </tr> <tr> <td>Total</td> <td>85</td> </tr> </table>	For B.Tech:		Year	Strength	First Year	-	Second Year	38	Third Year	30	Fourth Year	15	Total	85	<table border="1"> <tr> <td colspan="2">For M.Tech</td> </tr> <tr> <th>Year</th> <th>Strength</th> </tr> <tr> <td>First Year</td> <td>-</td> </tr> <tr> <td>Second Year</td> <td>-</td> </tr> <tr> <td>Total</td> <td>-</td> </tr> </table>	For M.Tech		Year	Strength	First Year	-	Second Year	-	Total	-
For B.Tech:																										
Year	Strength																									
First Year	-																									
Second Year	38																									
Third Year	30																									
Fourth Year	15																									
Total	85																									
For M.Tech																										
Year	Strength																									
First Year	-																									
Second Year	-																									
Total	-																									
Faculty Student Ratio	1:8																									

**SECTION –2: CURRICULAR ASPECTS**

**2.1 Academic Plan**

S.No	Particular	Available (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.S.Jagan	Internal Member	B.Tech-MCTR	I,II,III and IV year
6.	Mr.J.Sivapriya	Internal Member	B.Tech-MCTR	I,II,III and IV year
7.	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.	IV/VII	Non-Destructive Testing Methods	U19MCE71	15
2.	II/IV	computer integrated manufacturing (CIM)	U20MCE403	30

**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.	IV/VII	Mech	Supply Chain Management	UI9MEO77	15
2.	II/IV	ECE	Consumer Electronics	U20ECO402	30

**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	Training on Arduino	U20MCS202	38

**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/IV	Electro Hydraulic Automation with PLC	U20MCC442	30
2.	I/II	Python Programming	U20MCC274	38

**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	NSS	U20MCM404	30
2.	I/II	Environmental Science	U20MCM202	38

### SECTION –3: TEACHING, LEARNING AND EVALUATION

#### 3.1 Course Delivery

IV Year / VII 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	PLC and Data Acquisition Systems U19MCT71	<b>Ms.AGALYA.E</b> Asst.Prof / ECE	45	45	45
2	Design of Mechatronics System U19MCT72	<b>Ms.R.SUNANTHA</b> Asst.Prof / ECE	60	60	60
3	Non-Destructive Testing Methods U19MCE71	Mr.P.Ramesh Kumar Asst Prof /Mechatronics	45	45	45
4	Supply Chain Management UI9MEO77	<b>Mr.S.Saravanan.</b> Asst Prof /Mechatronics	45	45	45
5	Business Basics for Entrepreneur U19MCP71	Mr.D.Karunakaran Asst.Prof / Mech	18	18	18
6	Computer Engineering Aided Lab U19MCP72	<b>Mr.S.Prakash</b> Asst.prof/ Mechatronics	30	30	30
7	Industrial Automation Lab U19MCP73	<b>Ms.AGALYA.E</b> Asst Prof/ ECE	30	30	30
8	Comprehensive Viva-voce U19MCP74	<b>Ms.R.SUNANTHA</b> Asst Prof/ ECE	30	30	30
9	Project Phase – I U19MCW71	<b>Mrs.G.Vasumathi</b> Asst Prof/ ECE	30	30	30
10	Internship / In plant Training U19MCW72	<b>Mrs.Kalaimani</b> Asst Prof/ ECE	-	-	-

II Year / IV 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	Numerical Methods and Statistics (NMS) U20BST438	Ms.D.Dheebia, AP/MATHS	60	60	60
2	Programming in JAVA U20EST467	Ms.C.Karthika, AP / CSE	45	45	45
3	Power Electronics and Drives (PED) U20MCT408	Ms.ALAGUSELVI.R AP / ECE	45	45	45
4	Theory of Machines (TM) U20MCT409	Dr.G.B.M.Mohanraj Prof / Mechatronics	60	60	60
5	PE-I: computer integrated	Mr.S.Prakash	45	45	45

	manufacturing (CIM) U20MCE403	AP / MCTR			
6	OE-I: Medical Electronics(ME) U20BMO401	Mr.Sivapriya.J AP/ ECE	45	45	45
7	General Proficiency-II U20HSP402	Mrs.K.Madhanavathi, AP/ ENGLISH	30	30	30
8	Numerical Methods Lab U20BSP439	Mrs.D.Dheebia, AP/MATHS	30	30	30
9	Programming in JAVA Laboratory U20ESP468	Ms.C.Kirthika, AP / CSE	30	30	30
10	Power Electronics and Drives Lab U20MCP405	Ms.ALAGUSELVI.R AP / ECE	30	30	30
11	Dynamics of Machinery Lab U20MCP406	Mr.S.Saravanan Prof / Mechatronics	30	30	30

I Year / II Semester - (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	Engineering Mathematics-II (Multiple Integrals and Transforms) U20BST215	Mr. R. Sivakumar, AP/MATHS	60	60	60
2	Programming in C U20EST201	Mr. Arokiaraj Christian Hubert, AP/ CSE	45	45	45
3	Engineering Mechanics U20EST219	Mr.S.Prakash AP / MCTR	60	60	60
4	Introduction to Electronics Engineering U20EST249	Mr.R PRADEEP AP / ECE	45	45	45
5	Materials Science and Metallurgy U20MCT202	Mr.K.Oudhayakumar, Professor/Physics	45	45	45
6	Manufacturing Technology U20MCT203	Mr.P.Ramesh Kumar Asso.Prof/ MECH	45	45	45
7	Programming in C laboratory U20ESP202	Mr. Arokiaraj Christian Hubert, AP/ CSE	30	30	30
8	Basic Electronics Engineering lab U20ESP250	Mr.Sivapriya.J , AP / ECE	30	30	30
9	Manufacturing Technology lab U20MCP202	Mr.P.Ramesh kumar AP / MCTR	30	30	30

### 3.2 Use of ICT Tools in Teaching Learning

IV Year / VII Semester - (2019-2023)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Ms.AGALYA.E Asso.Prof / ECE	PLC and Data Acquisition Systems U19MCT71	PPT& Video Lecture
2	Ms.R.SUNANTHA	Design of Mechatronics System	PPT& Video Lecture

	Asst..Prof / ECE	U19MCT72	
3	Mr.P.Ramesh kumar Asst Prof/Mechatronics	Non-Destructive Testing Methods U19MCE71	PPT& Video Lecture
4	Mr.D.Karunakaran Asst..Prof / Mech	Supply Chain Management UI9MEO77	PPT& Video Lecture
5	Mr.D.Karunakaran / Asst..Prof / Mech	Business Basics for Entrepreneur U19MCP71	PPT& Video Lecture

**II Year / IV Semester - (2020-2024)**

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Ms.C.Karthika, AP / CSE	Programming in JAVA U20EST467	PPT& Video Lecture
2	Ms.ALAGUSELVI.R AP / ECE	Power Electronics and Drives U20MCT408	PPT& Video Lecture
3	Mr.S.Saravanan AP / MCTR	PE-I: computer integrated manufacturing ( U20MCE403	PPT& Video Lecture
4	Mr.Sivapriya.J AP / ECE	OE-I: Medical Electronics(ME) U20BMO401	PPT& Video Lecture

**I Year / II Semester - (2021-2025)**

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr. Arokiaraj Christian Hubert,AP/ CSE	Programming in C U20EST201	PPT& Video Lecture
3	Mr.R Pradeep AP / ECE	Introduction to Electronics Engineering U20EST249	PPT& Video Lecture
4	Mr.K.Oudhayakumar, Professor/Physics	Materials Science and Metallurgy (MSM) U20MCT202	PPT& Video Lecture
5	Mr.P.Ramesh kumar Asso.Prof/ MECH	Manufacturing Technology U20MCT203	PPT& Video Lecture

**3.3 List of Expert Lectures / Workshop Conducted**

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1	AUGMENTED REALITY (AR)	Mr.Madhavan Sr. Manager – Project & Training Adroitec Engineering Solutions Pvt. Ltd	26.11.2022	72
2	DESIGN AUTOMATION	Mr.Madhavan Sr. Manager – Project & Training Adroitec Engineering Solutions Pvt. Ltd	3.12.2022	42
3	ROBOTICS AND DRONES	Mr.Balaji.T director Auto system pvt Ltd	30.12.2022	42

4	ENERGY CONSERVATION & MANAGEMENT IN BUILDINGS	Mr D.Dinesh Kumar, Sustainability Consultant Inspire Engineering Consultants	08.04.2023	68
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### 3.4 Activities for Slow and Advanced Learners

IV Year / VII 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 (NMS) U20BST438	Ms.D.Dheebia, AP/MATHS	Yes	3	Yes
2	Programming in JAVA U20EST467	Ms.C.Karthika, AP / CSE	Yes	3	Yes
3	Power Electronics and Drives (PED) U20MCT408	Ms.Alaguselvi.R AP / ECE	Yes	3	Yes
4	Theory of Machines (TM) U20MCT409	Dr.G.B.M.Mohanraj Prof / Mechatronics	Yes	3	Yes
5	PE-I: computer integrated manufacturing (CIM) U20MCE403	Mr.S.Saravanan AP / MCTR	Yes	3	Yes
6	OE-I: Medical Electronics(ME) U20BMO401	Mr.Sivapriya AP/ BME	Yes	3	Yes

II Year / IV 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	Numerical Methods and Statistics (NMS) U20BST438	Ms.D.Dheebia, AP/MATHS	Yes	4	Yes
2	Programming in JAVA U20EST467	Ms.C.Karthika, AP / CSE	Yes	4	Yes
3	Power Electronics and Drives (PED) U20MCT408	Ms.ALAGUSELVI.R AP / ECE	Yes	4	Yes
4	Theory of Machines (TM) U20MCT409	Dr.G.B.M.Mohanraj Prof / Mechatronics	Yes	4	Yes
5	PE-I: computer integrated manufacturing (CIM) U20MCE403	Mr.S.Prakash AP / MCTR	Yes	4	Yes
6	OE-I: Medical Electronics(ME)	Mr.Sivapriya.J AP/ ECE	Yes	4	Yes

	U20BMO401			
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### I Year / II Semester - (2021-2025)

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. R. Sivakumar, AP/MATHS	Yes	4	Yes
2	Programming in C U20EST201	Mr. Arokiaraj Christian Hubert, AP/ CSE	Yes	4	Yes
3	Engineering Mechanics U20EST219	Mr.S.Prakash AP / MCTR	Yes	4	Yes
4	Introduction to Electronics Engineering U20EST249	Mr.R PRADEEP AP / ECE	Yes	4	Yes
5	Materials Science and Metallurgy U20MCT202	Mr.K.Oudhayakumar, Professor/Physics	Yes	4	Yes
6	Manufacturing Technology U20MCT203	Mr.P.Ramesh Kumar Asso.Prof/ MECH	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
85	12	1:8

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

### 3.8 Student Performance in End Semester Examination

#### IV Year / VII Semester - (2019-2023)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	15	Nil
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	2	
7	Passing Percentage	86.66	

#### II Year / IV Semester - (2020-2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	30	Nil
2	Number of All Clear Students	28	
3	Number of Students passed with Distinction	4	
4	Number of Students passed with First Class	24	
5	Number of Students passed with Second Class	-	
6	Number of Students Failed		
7	Passing Percentage	93.33	

#### I Year / II Semester - (2021-2025)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	38	Nil
2	Number of All Clear Students	30	
3	Number of Students passed with Distinction	03	
4	Number of Students passed with First Class	27	
5	Number of Students passed with Second Class	-	
6	Number of Students Failed		
7	Passing Percentage	78.94	

### SECTION – IV: STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected	Remarks (if any)

### 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	3D PRINTING AND POLYMER PROCESSING ADVANCEMENT	Dr.K.Velmurugan Dr.A.A.Arivalagar Dr.K.Hemalatha Dr.G.Balamuruga Mohanraj-	978-81-962332-8-0	cosmos scientific publications
2.	RAPID PROTOTYPING AND ITS APPLICATIONS	Dr.G.Balamuruga Mohanraj	978-81-963112-2-3	cosmos scientific publications

### 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
		Nil			

1	Student Feedback on Teaching and Learning conducted with action taken report	-	85	
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	-	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
1	-	-	-	-	-

### 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 Impact Factor
		-	-	-	-	-

#### 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	2
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	-	-	-	-

## 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	Sanitary Napkin Incinerator	Mukesh.V Nagendraprasath.B Shanmugapriyan.R Vinoth.G	In-house	6 Months
2	3D Printer Filament Maker	Ajit.S Bharathraj.S Maadesh.A Vendarasan M	In-house	6 Months
3	Automation in Solar Panel Cleaning	Harish.C.S Dhinesh kumar.K.A Hemachanra V Yogeesh.G.R	In-house	6 Months
4	Pick and Place Robotic Arm	Ankit biswas Abinesh s Baranidharn.a	In-house	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
-	-	-	-	-

## SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	4
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	Mukesh.V	FABC Global Dubai(Blockchain Technology)	12 Lakhs
2	Ajit.S	TCS (Digital)	7 Lakhs
3	Baranidharan.A	TCS (Ninja)	3.5 Lakhs
4	DhineshKumar.K.A	Cognizant(CTS)	4 Lakhs

## 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 Mechatronics Engineers	Organized under(Department / Student Association/ Profession Chapter / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1	Hands on training program on Electronics Devices in Hardware	Department	31-01-2023	-	34

### 8.2 FDP /Workshop / STTP / Conference for Faculty

S.N o	Name of the Event / Workshop	Organized under (Department / Student Association/ Profession Chapter)	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.	Varadaraj .H& Team	Smart India Hackathon	AICTE(Odisha)	Winner Cash Prize of 1Lakhs
2.	Ruthresh.A	project contest	National Level Technical Symposium	Winner Cash Prize of 500 Hundred Rupees.

**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	S.Prakash	University Level – (NPTEL) (Inspection and Quality control) awarded gold medal

**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	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**  
Dr.G.Balamuruga MohanRaj

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**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	Publication count need to be increased
Collaborations and Linkages	Industry and sponsored projects need to be encouraged
Student Progression	Placement in core companies should be arranged.
Activity Conducted / Organized by the Department	More FDP/STTP need to be organized
Achievements	All relevant documents are verified
General Remarks	All relevant documents are verified

**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





**SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE**

An Autonomous Institution,  
Accredited by NAAC with 'A' grade  
Puducherry - 605 107



**INTERNAL QUALITY ASSURANCE CELL**

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**ACADEMIC AND ADMINISTRATIVE AUDIT**

**DEPARTMENT OF  
BIO MEDICAL ENGINEERING**





## ACADEMIC AND ADMINISTRATIVE AUDIT

(Academic Year 2022-2023)

Internal Audit

### SECTION –1 : BASIC INFORMATION

Audit Date	20.01.2023															
Name of the Department	BIOMEDICAL ENGINEERING															
Year of Establishment	2019															
Programs Offered	<table border="1"> <tr> <td>Name of the Program</td> <td>Approved Intake</td> </tr> <tr> <td>B.Tech – Biomedical Engineering</td> <td>60</td> </tr> </table>		Name of the Program	Approved Intake	B.Tech – Biomedical Engineering	60										
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	13														
Number of Technical Staff																
Number of Students	<table> <tr> <td colspan="2">For B.Tech:</td> </tr> <tr> <td>Year</td> <td>Strength</td> </tr> <tr> <td>First Year</td> <td></td> </tr> <tr> <td>Second Year</td> <td>39</td> </tr> <tr> <td>Third Year</td> <td>48</td> </tr> <tr> <td>Fourth Year</td> <td>35</td> </tr> <tr> <td>Total</td> <td>122</td> </tr> </table>		For B.Tech:		Year	Strength	First Year		Second Year	39	Third Year	48	Fourth Year	35	Total	122
For B.Tech:																
Year	Strength															
First Year																
Second Year	39															
Third Year	48															
Fourth Year	35															
Total	122															
Faculty Student Ratio	1:13															

### 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	<b>Dr.A.Vijayalakshmi</b> , Professor and Head Department of Biomedical Engineering	Chairman	B.Tech-BME 1.Digital Logic Circuits	II/III
			2.Linear Integrated Circuits	II/IV
			3. Linear Integrated Circuits Laboratory	II/IV
			2. Project Phase – I	IV/VII
			3. Communication Systems	I/II
			4. Project Phase – II	IV/VIII
2	<b>Dr.S.Senthil Kumar</b> Assistant Professor Specialization: Biomedical Instrumentation	Internal Member	B.Tech 1. Virtual Bioinstrumentation	IV/VII
			2. Virtual Bioinstrumentation Lab	IV/VII
			B.Tech 1. Hospital Equipment Safety and Management	II/IV
			2. Biosensors and Transducers	II/III
			3. Biosensors and Transducers Laboratory	II/III
			3. Human Anatomy and Physiology	I/I
			3. Biomechanics	II/III
3	<b>Mr.P.M.Bharath</b> Assistant Professor Specialization: Embedded System Technologies	Internal Member	B.Tech 1. PE-IV Acoustics and Optical Imaging	IV/VII
			2. Electron Devices and Circuits	I/II
			3. Electron Devices and CircuitsLaboratory	I/II
			3. Biosignals and Systems	II/III
			2. Microcontroller and Embedded Systems	III/V
			3. Microcontroller and Embedded Systems Laboratory	III/V

4	<b>Mr.R.Vignesh Raj</b> Assistant Professor Specialization:Nano Technology	Internal Member	B.Tech 1.Medical Electronics	II/IV
			B.Tech 1. Pathology and Microbiology	I/II
			2. Biophysics and Biochemistry	I/I
			3. Biophysics and Biochemistry Laboratory	I/I
			2. PE- V Nanotechnology in Medicine	IV/VIII
			3. Biology for Engineers	I/I
5	<b>Mrs.S.Arunthathi</b> Assistant Professor Specialization:Medical Electronics	Internal Member	B.Tech 1. Medical Image Processing	IV/VII
			2. Medical Image Processing Laboratory	IV/VII
			3. Comprehensive Viva-voce	IV/VII
			4. Biocontrol Systems	III/V
			5. Computation Laboratory	III/V
			6. PE-VI Wearable Systems	IV/VIII
			7. Digital Logic Circuits Laboratory	II/III
6	<b>Dr.N.Deepa</b> Assistant Professor Specialization:Applied Electronics	Internal Member	B.Tech 1. Measurements and Instruments	I/II
			2. Instrumentation Laboratory	I/II
			B.Tech 1.Biosignal Processing	II/IV
			2.Biosignal ProcessingLaboratory	II/IV
			3.PE-II VLSI Design	III/V
			3.Biomaterials and Artificial Organs	IV/VIII
7	<b>Mr.M.Manthiralakshmanan</b> Assistant Professor Specialization:Medical Electronics	Internal Member	B.Tech 1. Biomedical Instrumentation	III/V
			2. Biomedical Instrumentation Laboratory	III/V

8	Mrs.N.Radha Assistant Professor Specialization:Wireless Communication	Internal Member	B.Tech 1. Basic Electrical Circuits	I/I
			2. Basic Electrical Circuits Laboratory	I/I

### 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	IV/VII	Acoustics and Optical Imaging	U19BME74	35
2	II/IV	Hospital Equipment Safety and Management	U20BME404	48

### 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	IV/VII	IT	Augmented and Virtual Reality	U19ITO77	35
2	II/IV	AIDS	Introduction to Data Science	U20ADO402	48

### 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/IV	Trouble Shooting of Medical Instruments	U20BMS403	48
2	I/II	Demonstration of workshop Practices	U20BMS201	39

### 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/IV	IoT using Python	U20BMC459	48
2	I/II	Introduction to C++ Programming	U20BMC258	39

### 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	NCC/NSS	U20BMM404	48
2	I/II	Environmental Science	U20BMM202	39

### SECTION -3: TEACHING, LEARNING AND EVALUATION

#### 3.1 Course Delivery

IV Year / VII 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	Virtual Bioinstrumentation / U19BMT71	Dr.S.Senthil Kumar	45	45	60
2	Medical Image Processing / U19BMT72	Mrs.S.Arunthathi	45	45	52
3	Professional Elective – IV / Acoustics and Optical Imaging / U19BME74	Mr.P.M.Bharath	45	45	53
4	Open Elective – IV / Augmented and Virtual Reality / U19ITO77	Mr.S.Giridharan	45	45	46
5	Business Basics for Entrepreneur / U19BMP71	Dr.S.Uma	30	30	26
6	Virtual Bioinstrumentation Laboratory / U19BMP72	Dr.S.Senthil Kumar	30	30	33
7	Medical Image Processing Laboratory / U19BMP73	Mrs.S.Arunthathi	30	30	30
8	Comprehensive Viva-voce / U19BMP74	Ms.S.Gowthami Devi	30	30	26
9	Project Phase – I / U20BMW701	Dr.A.Vijayalakshmi	30	30	40

II Year / IV 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	Probability and Queuing Theory / U20BST433	Mrs.M.Sugasini	60	60	63
2	Programming in Java / U20EST467	Mr.N.Balaji	45	45	44

3	Biosignal Processing / U20BMT409	Ms.S.Rajalakshmi	60	60	54
4	Linear Integrated Circuits / U20BMT410	Mr.K.Dhivakar	45	45	43
5	Professional Elective –I / Hospital Equipment Safety and Management / U20BME402	Mr.R.S.Shiyamsundar	45	45	43
6	Open Elective-I / Introduction to Data Science / U20ADO402	MrsShivaeshwari	45	45	41
7	General Proficiency – II/ U20HSP402	Mrs.A.Madhanavathi	30	30	30
8	Programming in Java Laboratory / U20ESP468	Mr.N.Balaji	30	30	26
9	Biosignal Processing using MATLAB / U20BMP405	Ms.S.Rajalakshmi	30	30	26
10	Linear Integrated Circuits Laboratory / U20BMP406	Mr.K.Dhivakar	30	30	26

**I Year / II Semester - (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	Engineering Mathematics – II Multiple Integrals and Transforms / U20BST215	Mrs.M.Sugasini	60	60	62
2	Programming in C / U20EST201	Mrs.V.Swetha	45	45	47
3	Electron Devices and Circuits / U20BMT201	Mr.K.Prabhakaran	45	45	52
4	Pathology and Microbiology / U20BMT202	Mr.M.Manthiralakshmanan	45	45	43
5	Measurements and Instruments / U20BMT203	Dr.N.Deepa	45	45	47
6	Communication Systems / U20BMT204	Dr.A.Vijayalakshmi	45	45	45

7	Programming in C Laboratory / U20ESP202	Mrs.V.Swetha	30	30	27
8	Electron Devices and Circuits Laboratory / U20BMP201	Mr.K.Prabhakaran	30	30	33
9	Instrumentation Laboratory / U20BMP202	Dr.N.Deepa	30	30	26

### 3.2 Use of ICT Tools in Teaching Learning

IV Year / VII Semester - (2019-2023)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Dr.S.Senthil Kumar	Virtual Bioinstrumentation / U19BMT71	PPT&Video
2	Mrs.S.Arunthathi	Medical Image Processing / U19BMT72	PPT&Video
3	Mr.P.M.Bharath	Professional Elective – IV / Acoustics and Optical Imaging / U19BME74	PPT&Video
4	Mr.S.Giridharan	Open Elective – IV / Augmented and Virtual Reality / U19ITO77	PPT&Video
5	Dr.S.Uma	Business Basics for Entrepreneur / U19BMP71	PPT&Video
6	Dr.S.Senthil Kumar	Virtual Bioinstrumentation Laboratory / U19BMP72	PPT&LabVIEWVideo
7	Mrs.S.Arunthathi	Medical Image Processing Laboratory / U19BMP73	PPT&Matlab Simulation Video demonstration
8	Ms.S.Gowthami Devi	Comprehensive Viva- voce / U19BMP74	PPT
9	Dr.A.Vijayalakshmi	Project Phase – I / U20BMW701	PPT& Video demonstration

II Year / IV Semester - (2020-2024)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mrs.M.Sugasini	Probability and Queuing Theory / U20BST433	PPT&Video
2	Mr.N.Balaji	Programming in Java / U20EST467	PPT&Video
3	Ms.S.Rajalakshmi	Biosignal Processing / U20BMT409	PPT&Video
4	Mr.K.Dhivakar	Linear Integrated Circuits / U20BMT410	PPT&Video

5	Mr.R.S.Shiyamsundar	Professional Elective –I / Hospital Equipment Safety and Management / U20BME402	PPT&Video
6	MrsShivaeshwari	Open Elective-I / Introduction to Data Science / U20ADO402	PPT&Video
7	Mrs.A.Madhanavathi	General Proficiency – II/ U20HSP402	PPT&Video
8	Mr.N.Balaji	Programming in Java Laboratory / U20ESP468	PPT& Video demonstration
9	Ms.S.Rajalakshmi	Biosignal Processing using MATLAB / U20BMP405	Matlab Simulation
10	Mr.K.Dhivakar	Linear Integrated Circuits Laboratory / U20BMP406	PPT& Video demonstration

**I Year / II Semester - (2021-2025)**

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mrs.M.Sugasini	Engineering Mathematics – II Multiple Integrals and Transforms / U20BST215	PPT&Video
2	Mrs.V.Swetha	Programming in C / U20EST201	PPT&Video
3	Mr.K.Prabhakaran	Electron Devices and Circuits / U20BMT201	PPT&Video
4	Mr.M.Manthiralakshmanan	Pathology and Microbiology / U20BMT202	PPT&Video
5	Dr.N.Deepa	Measurements and Instruments / U20BMT203	PPT&Video
6	Dr.A.Vijayalakshmi	Communication Systems / U20BMT204	PPT&Video
7	Mrs.V.Swetha	Programming in C Laboratory / U20ESP202	PPT& Video demonstration
8	Mr.K.Prabhakaran	Electron Devices and Circuits Laboratory / U20BMP201	PPT& Video demonstration
9	Dr.N.Deepa	Instrumentation Laboratory / U20BMP202	PPT& Video 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	Opportunities and challenges in the Medical Devices Industry	Mr. G.Poovannan	07.06.2022	122
2	Biomedical Instrumentations and its Application	Mr. M.Balamurali	23.06.2022	87
3	Recent Trends in BioMEMS	Mr.G.Aswin Kumar Ms.G.Harini	20.07.2022	39
4	Management of Hospital Equipment	Dr. D.Murugan	06.08.2022	87
5	Career prospects, future aspects in medical coding	Mr. M.Akshay Mr. G.Poovannan	12.08.2022	45

### 3.4 Activities for Slow and Advanced Learners

IV Year / VII 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	Virtual Bioinstrumentation / U19BMT71	Mr.K.Prabhakaran	Yes	3	Yes
2	Medical Image Processing / U19BMT72	Mr.K.Dhivakar	Yes	3	Yes
3	Professional Elective – IV / Acoustics and Optical Imaging / U19BME74	Mr.R.Mohan	Yes	3	Yes
4	Open Elective – IV / Augmented and Virtual Reality / U19ITO77	Ms.S.Gowthami Devi	Yes	3	Yes

II Year / IV 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	Probability and Queuing Theory / U20BST433	Mrs.M.Sugasini	Yes	4	Yes
2	Programming in Java / U20EST467	Mr.N.Balaji	Yes	4	Yes

3	Biosignal Processing / U20BMT409	Ms.S.Rajalakshmi	Yes	4	Yes
4	Linear Integrated Circuits / U20BMT410	Mr.K.Dhivakar	Yes	4	Yes
5	Professional Elective -I / Hospital Equipment Safety and Management / U20BME402	Mr.R.S.Shiyamsundar	Yes	4	Yes
6	Open Elective-I / Introduction to Data Science / U20ADO402	MrsShivaeshwari	Yes	4	Yes

**I Year / II Semester - (2021-2025)**

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	Mrs.M.Sugasini	Engineering Mathematics – II Multiple Integrals and Transforms / U20BST215	Yes	4	Yes
2	Mrs.V.Swetha	Programming in C / U20EST201	Yes	4	Yes
3	Mr.K.Prabhakaran	Electron Devices and Circuits / U20BMT201	Yes	4	Yes
4	Mr.M.Manthiralakshmanan	Pathology and Microbiology / U20BMT202	Yes	4	Yes
5	Dr.N.Deepa	Measurements and Instruments / U20BMT203	Yes	4	Yes
6	Dr.A.Vijayalakshmi	Communication Systems / U20BMT204	Yes	4	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
177	14	1:13

### 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	<b>Mention the target:</b> 55%(2019-2023) 60%(2020-2024) 65% (2021-2025) 70%(2022-2026)
4	PSO and PO attainment through CO	Yes	

### 3.8 Student Performance in End Semester Examination

IV Year / VII Semester - (2019-2023)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	35	
2	Number of All Clear Students	34	
3	Number of Students passed with Distinction	25	
4	Number of Students passed with First Class	9	
5	Number of Students passed with Second Class	-	
6	Number of Students Failed	1	
7	Passing Percentage	97.1%	

II Year / IV Semester - (2020-2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	48	
2	Number of All Clear Students	43	
3	Number of Students passed with Distinction	12	
4	Number of Students passed with First Class	26	
5	Number of Students passed with Second Class	5	
6	Number of Students Failed	5	
7	Passing Percentage	89.58%	

I Year / II Semester - (2021-2025)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	39	
2	Number of All Clear Students	29	
3	Number of Students passed with Distinction	3	
4	Number of Students passed with First Class	23	
5	Number of Students passed with Second Class	3	
6	Number of Students Failed	10	
7	Passing Percentage	74.3%	

#### 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	35	
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	55	
3	Student Exit Survey conducted and Analysed	Yes	35	
4	Alumni Feedback conducted and Analysed	Yes	35	

#### 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	-	-	-	-	-

##### 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	2022-2023	-	-	-	-	-

###### 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

**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.	Dr.N.Deepa	Dr.N.Deepa	Chest strap for heart attack prediction using internet of medical things with deep learning algorithm	202041048476	India	Published
2	Dr.N.Deepa	Dr.N.Deepa	A machine learning technique to categorize the medicinal compositions using generic names and their uses	2020103250	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	-	-	-	-	-

### 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
2	ATHEENAPANDIAN PRIVATE LIMITED, Biomedical Industry, Tenkasi -627802	21.11.2022	Project Development, Faculty Development Programmes, Seminars, Workshops, Guest Lectures	10 Years
3	SULOSHAN HEALTHCARE PRIVATE LIMITED, Biomedical Industry, Tiruchirappalli.	08.01.2023	Project Development, Faculty Development Programmes, Seminars, Workshops, Guest Lectures	10 Years

## SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	12
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	JOHN VIANNY.J	TCS	7 LPA
2	NIDHARSHANA.G	ZifoRnD Solutions	4.76 LPA
3	ROSY.S	ZifoRnD Solutions	4.76 LPA
4	JOHN VIANNY.J	ZifoRnD Solutions	4.76 LPA
5	ISWARYA.V	CTS	4 LPA
6	KAVITHA.K	CTS	4 LPA
7	JOHN VIANNY.J	CTS	4 LPA
8	REOGAR.K	CTS	4 LPA
9	DEEPIKA.S	TCS	3.36 LPA
10	RAMYAA SRI.S	TCS	3.36 LPA
11	ROSY.S	TCS	3.36 LPA
12	SALMAN PARCEY.A	TCS	3.36 LPA

### 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	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	Opportunities and Relevance in the Medical Devices Industry	Biomedical engineering society of India	07.06.2022	National	122
2	Biomedical Instrumentations and its Application	Biomedical engineering society of India	23.06.2022	National	87
3	Recent Trends in BioMEMS	Biomedical engineering society of India	20.07.2022	National	39
4	Management of Hospital Equipment	IEEE Student branch	06.08.2022	National	87
5	Career prospects, future aspects in medical coding	Biomedical engineering society of India	12.08.2022	National	45

## 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	Opportunities and Challences in the Medical Devices Industry	Biomedical engineering society of India	07.06.2022	National	12
2	Biomedical Instrumentations and its Application	Biomedical engineering society of India	23.06.2022	National	8
3	Recent Trends in BioMEMS	Biomedical engineering society of India	20.07.2022	National	9
4	Career prospects, future aspects in medical coding	Biomedical engineering society of India	12.08.2022	National	5

## 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	Ms S Rosy	ICT ACADEMY YOUTHTALK 2022	ICT Academy	2nd prize
2	Hemachandran @ HighyaGreevaSivaa M, Nevedhaa. P and Soorya. K	CII INNOVATION CONTEST 2022	CII	Secured a position in top 5 teams
3	S.T Narendra Ganesh	EDUFEST 1.0	Edureka Learning Center	1st prize
4	S.Madhusneha and S.R Padmasri	English Slogan & Tamil Essay Writing	NSS,SMVEC	1st prize & 2nd prize
5	Rosy.S, Padmavathi.G and Lalitha.M	Short film competition	World Water Day	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	-	-

### 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	-	-	-	-

**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

**Recommendations:**

Section	Remarks
Curricular Aspects	
Teaching, Learning and Evaluation	
Structured Feedback	
Research, Innovation and Publications	Need to publish books / book chapters
Collaborations and Linkages	
Student Progression	
Activity Conducted / Organized by the Department	
Achievements	Staff need to apply for awards and other recognitions and document the same
General Remarks	

**Signature of the Internal Academic Audit Experts**



**Dr.G.G.Sozhamannan**

Professor

Department of Mechanical Engineering  
SMVEC, Puducherry



**Dr.S.Balaji**

Associate Professor

Department of Information Technology  
SMVEC, Puducherry

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**SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE**

An Autonomous Institution,  
Accredited by NAAC with 'A' grade  
Puducherry - 605107



**INTERNAL QUALITY ASSURANCE CELL**

## **ACADEMIC AND ADMINISTRATIVE AUDIT**

**DEPARTMENT OF**

**ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**





**ACADEMIC AND ADMINISTRATIVE AUDIT**

(ACADEMIC YEAR 2022 - 2023)

INTERNAL AUDIT

**SECTION –1 : BASIC INFORMATION**

Audit Date	20.01.2023															
Name of the Department	B.Tech(Artificial Intelligence and Data Science)															
Year of Establishment	15.06.2020															
Programs Offered	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Name of the Program</th> <th>Approved Intake</th> </tr> </thead> <tbody> <tr> <td>B.Tech(Artificial Intelligence and Data Science)</td> <td>120</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		Name of the Program	Approved Intake	B.Tech(Artificial Intelligence and Data Science)	120										
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	2														
	Assistant Professor	16														
Number of Technical Staff																
Number of Students	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">For B.Tech:</th> </tr> <tr> <th>Year</th> <th>Strength</th> </tr> </thead> <tbody> <tr> <td>First Year</td> <td>120</td> </tr> <tr> <td>Second Year</td> <td>112</td> </tr> <tr> <td>Third Year</td> <td>56</td> </tr> <tr> <td>Fourth Year</td> <td>-</td> </tr> <tr> <td>Total</td> <td>-</td> </tr> </tbody> </table>		For B.Tech:		Year	Strength	First Year	120	Second Year	112	Third Year	56	Fourth Year	-	Total	-
For B.Tech:																
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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 (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. J.MADHUSUDANAN	Board Chairman	UG courses	UG all years
<b>External Members</b>				
2.	Dr. M.Thangaraj	Subject Expert	UG courses	UG all years
3.	Dr. Chandra Mouli P.V.S.S.R	Subject Expert	UG courses	UG all years
4.	Dr.C.Muthu	Subject Expert	UG courses	UG all years
5.	Dr Mohanraj Vengadachalam	Member	UG courses	UG all years
6.	Dr J.Uthayakumar	Member	UG courses	UG all years
<b>Internal Members</b>				
7.	Dr.M.AUXILIA	Subject Expert member	UG courses	UG all years
8.	Dr.S.S.Boomiga	Subject Expert member	UG courses	UG all years
9.	K.PRAGASH	Subject Expert member	UG courses	UG all years
10.	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
1.	III / V	Java Programming	U20ADE507	56

**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	CSE	Platform Technology	U20CSO503	56

**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	112
2.	III / V	Foreign Language / IELTS	U20ADS504	56
3.	III / V	Presentation Skills using ICT	U20ADS505	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	120
2.	II/III	Java Programming - III	U20ADC360	112
3.	III / V	Internet of Things	U20ADC556	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	120
2.	II / III	Physical Education	U20ADM303	112
3.	III / V	Indian Constitution	U20ADM505	56

## 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
<b>I YEAR / I SEM</b>					
1.	Engineering Mathematics – I Calculus and Linear Algebra / U20BST101	Mr.R.Vijayakumar / Mrs . Chitra U	60	60	60
2.	Basic Electrical and Electronics Engineering / U20EST117	Dr. Gayathri R / Ms. K.Kavinnelavu	45	45	52
3.	Digital System Design / U20EST125	Ms. Shivaeshwary V / Mr.K.Muthukumaran	45	45	50
4.	Computer Programming – I (Programming In C) / U20EST127	Mr.K.Pragash / Dr. Boomiga S S	45	45	50
5.	Fundamental of Data Science / U20ADT101	Mrs.Geethalakshmi T / Mrs.Maragadhavalli	45	45	50
6.	Digital System Design Laboratory / U20ESP126	Ms. Shivaeshwary V / Mr.K.Muthukumaran	30	30	33
7.	Computer Programming - I Laboratory (Programming in C) / U20ESP128	Mr.K.Pragash / Dr. Boomiga S S	30	30	30
8.	Fundamental of Data Science Laboratory / U20ADP101	Mrs.Geethalakshmi T / Mrs.Maragadhavalli	30	30	33
<b>II YEAR / III SEM</b>					
9.	Probability and Statistics for Data Science	Mr.R.Vijayakumar	60	60	61
10.	Software Engineering and Agile Software Development	Dr.S.S.Boomiga / Mrs.Maragadhavalli	45	45	54
11.	Operating System Internals	Mr.K.Muthukumaran / Ms.V.Shivaeshari	45	45	53

12.	Algorithm Design and Analysis	Mrs.M.Kalaivani / Ms.T.Geethalakshmi	45	45	54
13.	Fundamentals of Artificial Intelligence	Mr.G.Kaliyaperumal / Mr.K.Pragash	45	45	52
14.	Basic Machine Learning Techniques	Ms.S.Aishwariya / Mrs.Lakshmipriya	45	45	54
15.	Statistical Laboratory	Ms. V.Shivaeeshwary	30	30	30
16.	Algorithm Design and Analysis Laboratory	Mrs.M.Kalaivani / Ms.S.Aishwarya	30	30	30
17.	Artificial Intelligence Laboratory	Ms.Abarna / Ms.Shanaz	30	30	30
18.	Basic Machine Learning Techniques Laboratory	Ms.S.Aishwariya / Mrs.Lakshmipriya	30	30	30

### III YEAR / V SEM

19.	Operational Research	Mr. R. VijayaKumar	60	60	61
20.	Deep Learning	Dr. M. Auxilia	45	45	54
21.	Image Processing and Computer Vision	Mr. R. Rajan	45	45	53
22.	Big Data Tools and Techniques	Dr. J. Madhusudanan	45	45	54
23.	Professional Elective - II (Programming in Java)	Ms. V. Abarna	45	45	52
24.	Open Elective – II (Platform Technology)	Mrs.P.Thulasi	45	45	54
25.	Deep Learning Laboratory	Dr. M. Auxilia	30	30	30
26.	Image Processing and Computer Vision Laboratory	Mr. R. Rajan	30	30	30
27.	Big Data Tools and Techniques Laboratory	Dr. J. Madhusudanan	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
<b>I YEAR / I SEM</b>			
1.	Mr.R.Vijayakumar / Mrs . Chitra U	Engineering Mathematics – I Calculus and Linear Algebra	PPT /lecture videos
2.	Dr. Gayathri R / Ms. K.Kavinnelavu	Basic Electrical and Electronics Engineering	PPT /lecture videos/animated videos
3.	Ms. Shivaeeshwary V / Mr.K.Muthukumaran	Digital System Design	PPT /lecture videos/animated videos
4.	Mr.K.Pragash / Dr. Boomiga S S	Computer Programming – I (Programming In C)	PPT /lecture videos/animated videos

5.	Mrs.Geethalakshmi T / Mrs.Maragadhavalli	Fundamental of Data Science	PPT /lecture videos/animated videos
<b>II YEAR / III SEM</b>			
6.	Mr.R.Vijayakumar	Probability and Statistics for Data Science	PPT /lecture videos
7.	Dr.S.S.Boomiga / Mrs.Maragadhavalli	Software Engineering and Agile Software Development	PPT /lecture videos/animated videos
8.	Mr.K.Muthukumaran / Ms.V.Shivaeeshari	Operating System Internals	PPT /lecture videos/animated videos
9.	Mrs.M.Kalaivani / Ms.T.Geethalakshmi	Algorithm Design and Analysis	PPT /lecture videos/animated videos
10.	Mr.G.Kaliyaperumal / Mr.K.Pragash	Fundamentals of Artificial Intelligence	PPT /lecture videos/animated videos
11.	Ms.S.Aishwariya / Mrs.Lakshmipriya	Basic Machine Learning Techniques	PPT /lecture videos/animated videos
<b>III YEAR / V SEM</b>			
12.	Mr. R. VijayaKumar	Operational Research	PPT /lecture videos
13.	Dr. M. Auxilia	Deep Learning	PPT /lecture videos/animated videos
14.	Mr. R. Rajan	Image Processing and Computer Vision	PPT /lecture videos/animated videos
15.	Dr. J. Madhusudanan	Big Data Tools and Techniques	PPT /lecture videos/animated videos
16.	Ms. V. Abarna	Professional Elective - II (Programming in Java)	PPT /lecture videos/animated videos
17.	Mrs.P.Thulasi	Open Elective – II (Platform Technology)	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
1	Problem Solving	Dr.V.Prasanna Venkatesan	22.04.2022	112

### 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)
<b>I YEAR / I SEM</b>					
1.	Engineering Mathematics – I Calculus and Linear Algebra	Mr.R.Vijayakumar /	Yes	03	Yes
2.	Basic Electrical and Electronics Engineering	Mrs . Chitra U	Yes	03	Yes
3.	Digital System Design	Dr. Gayathri R / Ms. K.Kavinnelavu	Yes	03	Yes
4.	Computer Programming – I (Programming In C)	Ms. Shivaeshwary V / Mr.K.Muthukumaran	Yes	03	Yes
5.	Fundamental of Data Science	Mr.K.Pragash /	Yes	03	Yes
<b>II YEAR / III SEM</b>					
6.	Probability and Statistics for Data Science	Mr.R.Vijayakumar	Yes	03	Yes
7.	Software Engineering and Agile Software Development	Dr.S.S.Boomiga / Mrs.Maragadhavalli	Yes	03	Yes
8.	Operating System Internals	Mr.K.Muthukumaran / Ms.V.Shivaeshari	Yes	03	Yes
9.	Algorithm Design and Analysis	Mrs.M.Kalaivani / Ms.T.Geethalakshmi	Yes	03	Yes
10.	Fundamentals of Artificial Intelligence	Mr.G.Kaliyaperumal / Mr.K.Pragash	Yes	03	Yes
11.	Basic Machine Learning Techniques	Ms.S.Aishwariya / Mrs.Lakshmipriya	Yes	03	Yes
<b>III YEAR / V SEM</b>					
12.	Operational Research	Mr. R. VijayaKumar	Yes	03	Yes
13.	Deep Learning	Dr. M. Auxilia	Yes	03	Yes
14.	Image Processing and Computer Vision	Mr. R. Rajan	Yes	03	Yes
15.	Big Data Tools and Techniques	Dr. J. Madhusudanan	Yes	03	Yes
16.	Professional Elective - II (Programming in Java)	Ms. V. Abarna	Yes	03	Yes
17.	Open Elective – II (Platform Technology)	Mrs.P.Thulasi	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	-
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No. of Students in Department	Number of Full Time Teachers in the Department	Mentor : Mentee Ratio
112	6	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	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: 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 – III (Batch 2021 – 2025)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	112	-
2	Number of All Clear Students	102	-
3	Number of Students passed with Distinction	45	-
4	Number of Students passed with First Class	50	-
5	Number of Students passed with Second Class	07	-
6	Number of Students Failed	10	-
7	Passing Percentage	91	-

#### Semester – V (Batch 2020 – 2024)

Sr. No	Particular	B.Tech	M. Tech
--------	------------	--------	---------

1	Number of Students appeared	56	-
2	Number of All Clear Students	55	-
3	Number of Students passed with Distinction	11	-
4	Number of Students passed with First Class	42	-
5	Number of Students passed with Second Class	02	-
6	Number of Students Failed	01	-
7	Passing Percentage	98	-

#### SECTION – IV : STRUCTURED FEEDBACK

S.No	Particular	Yes / No	Number of Feedback Collected			Remarks (if any)
			Batch(2020 – 2024) 56	Batch(2021 – 2025) 112	Batch(2022 – 2026) 120	
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	Batch(2020 – 2024) 56	Batch(2021 – 2025) 112	Batch(2022 – 2026) 120	-
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	30	80	105	-
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 Consultancy
1	Dr.J.Madhusudhanan.	Industrial Visit, Seminar, Guest Lecture, & Training	CHEMIN C&I PVT.LTD	Rs. 50,000/-	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 Impact Factor
			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	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
1.	Recurrent Neural Network-Based Concept for the Skin Cancer Classification Model	Dr.J.Madhusudanan	Telematique	1856-4194	-

#### 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.						

#### 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						

**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.	Swetha M	Chemin Contols and Instrumentation Private Limited	1 Year		
	Hariguptha A				
	Lalith Kanth D				
	Ganapathy SP				
	Gayathri S				
	Thrisha S				
	Feron.S				

**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.	SNIQSYS Technosphere Pvt Ltd Thiruvananthapuram, Kerala	23.09.2022	56	56
2.	Kochi software solutions, kerala	23.09.2022	56	56
3.	Spectrum , kerala	23.09.2022	56	56

#### 6.4 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1.	CHEMIN C&I PVT.LTD	16.11.2022	Industrial Visit, Seminar, Guest Lecture, & Training	1 YEAR

#### 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
1.	The Guest Lecture onFlutter	AI&DS Dept	17.12.2022	State	35
2.	The Seminar on ReactJS	AI&DS Dept	17.12.2022	State	35
3.	The Guest Lecture on	AI&DS Dept	17.12.2022	State	35

	NodeJS				
4.	The Guest Lecture on Introduction to Programming	AI&DS Dept	17.12.2022	State	60
5.	The Guest Lecture on Angular	AI&DS Dept	17.12.2022	State	35
6.	The Guest Lecture on Agile Methodologies	AI&DS Dept	24.12.2022	State	35
7.	The Guest Lecture on Big Data	AI&DS Dept	24.12.2022	State	35
8.	The Guest Lecture on UI/UX	AI&DS Dept	17.12.2022	State	35
9.	The Seminar on Machine Learning	AI&DS Dept	7.1.2023	State	35
10.	The Guest Lecture on Deep Learning	AI&DS Dept	7.1.2023	State	35
11.	The Guest Lecture on “Introduction to Cloud”	AI&DS Dept	2.11.2022	State	60
12.	The Guest lecture on the Impact of Latest	AI&DS Dept	7.1.2023	State	60

	Technological Trends				
13.	The Guest Lecture on “Computer Vision and Robotics”	AI&DS Dept	7.1.2023	State	35

### 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
S.No	Name of the Student	Event Name / Details	Event Date	Organized by	Achievement / Position / Prizes
1	Ashika S A	YouthTalk Tamil Nadu 2022	7 October 2022	ICT Academy	First Place
2	Leka Shree E	YouthTalk Tamil Nadu 2022	7 October 2022	ICT Academy	Runner up
3	Gokul Prasath R	Kore.ai – Botathon 2022	15 December 2022	Kore.ai	First Place Cash – 5.27 lakhs
	Vasan C				
	Ragul S				
	Hari Guptha A				
4	Aravindhan A	GDSC – 100 days of Coding Challenge	1 January 2023	Google Development Student Clubs	Cash - 1500
	Sharli S				
	Keerthana R				

### 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

### 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.	Dr. M. AUXILIA	FDPon "Innovation & Entrepreneurship"	Sree Vidyanikethan Engineering College, Tirupati	2.7.2022 to 23.7.2022

### 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

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Head of the Department

## Recommendations:

Section	Remarks
Curricular Aspects	-
Teaching, Learning and Evaluation	It is necessary to capture the follow-up of slow learners in the Assessment book in order to establish a comprehensive record of students' progress.
Structured Feedback	Recommend enhancing the feedback process by implementing regular surveys or focus groups to gather insights from students, enabling continuous refinement of teaching methods and addressing specific needs
Research, Innovation and Publications	Consultancy works initiated and faculty members are asked to publish their journals in reputed journals.
Collaborations and Linkages	-
Student Progression	-
Activity Conducted / Organized by the Department	Faculties are requested to participate in various professional bodies and encouraged to receive awards to their credit
Achievements	-
General Remarks	Establish a continuous improvement framework, fostering a culture of feedback, and implement regular self-assessment practices to ensure sustained excellence.

### Signature of the Internal Academic Audit Experts

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

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





**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**

**DEPARTMENT OF  
COMPUTER SCIENCE AND BUSINESS SYSTEMS**





**ACADEMIC AND ADMINISTRATIVE AUDIT**

Academic Year 2022-2023

Internal Audit

**SECTION –1: BASIC INFORMATION**

<b>Audit Date</b>	20.01.2023																						
<b>Name of the Department</b>	Computer Science and Business Systems																						
<b>Year of Establishment</b>	2020																						
<b>Programs Offered</b>	Name of the Program	Approved Intake																					
	B.Tech. CSBS	60																					
<b>Head of the Department</b>	Dr. N. Danapaquiam																						
<b>Number of full time Teachers</b>	Professor	01																					
	Associate Professor	00																					
	Assistant Professor	10																					
<b>Number of Technical Staff</b>																							
<b>Number of Students</b>	For B.Tech: <table border="1"> <tr><th>Year</th><th>Strength</th></tr> <tr><td>First Year</td><td>53</td></tr> <tr><td>Second Year</td><td>53</td></tr> <tr><td>Third Year</td><td>-</td></tr> <tr><td>Fourth Year</td><td>-</td></tr> <tr><td>Total</td><td>106</td></tr> </table>		Year	Strength	First Year	53	Second Year	53	Third Year	-	Fourth Year	-	Total	106	For M.Tech <table border="1"> <tr><th>Year</th><th>Strength</th></tr> <tr><td>First Year</td><td>-</td></tr> <tr><td>Second Year</td><td>-</td></tr> <tr><td>Total</td><td>-</td></tr> </table>	Year	Strength	First Year	-	Second Year	-	Total	-
Year	Strength																						
First Year	53																						
Second Year	53																						
Third Year	-																						
Fourth Year	-																						
Total	106																						
Year	Strength																						
First Year	-																						
Second Year	-																						
Total	-																						
<b>Faculty Student Ratio</b>	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	Yes	
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. N. Danapaquiam	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 departments

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/II	Skill Development Course 1 –Python Programming	U20CBS201	56
2	II/IV	Skill Development Course 3 - Graphic Design / Exploring GITHUB Platform / Aptitude Basics	U20CBS403	53

#### 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	U20CBC291	56
2	II/IV	Certification Course – IV: Advanced Java Programming	U20CBC403	53

#### 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	56
2	II/IV	NSS	U20CBM404	53

### SECTION –3: TEACHING, LEARNING AND EVALUATION

#### 3.1 Course Delivery

##### Semester : II (2022-2026)

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	Mr. K. Gurusamy	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	Mrs. V. Sivasankari	45	45	45
7	Statistical Methods Lab / U20BSP218	Mr. Devanathan	30	30	30
8	Principles of Electronics Lab /	Dr. S. Prem Kumar	30	30	30
9	Data Structures & Algorithms Lab / U20CBP201	Mrs. V. Sivasankari	50	50	30

Semester : IV (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	Business Communication & Value Science – III / U20HST404	Mrs. K. Mathanavathi	45	45	45
2	Introduction to Innovation, IP Management & Entrepreneurship / U20HST405	Mrs. P. Sureka	45	45	45
3	Operations Research / U20BST440	Dr. T. Gayathri	45	45	45
4	Operating Systems / U20CBT406	Mrs. K. Devika	45	45	45
5	Software Engineering / U20CBT407	Mr. T. Karthikeyan	45	45	45
6	Design And Analysis of Algorithms / U20CBT408	Mrs. P.P. Devi	45	45	45
7	Operations Research Lab	Mr. M. Devanathan	30	30	30
8	Operating Systems(Unix) Lab / U20CBP404	Mrs. K. Devika	30	30	30
9	Software Engineering Lab / U20CBP405	Mr. T. Karthikeyan	30	30	30
10	Design And Analysis of Algorithms Lab / U20CBP406	Mrs. P.P. Devi	30	30	30

Semester : V (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	Fundamentals of Management /U20HST507	Mr. R. Anbarasan	30	30	38

2	Business Strategy / U20HST508	Dr. A. Vinoth	30	35	40
3	Design Thinking	Mrs. V. Sivasankari	45	45	46
4	Software Design with UML / U20CBT509	Mrs. K. Devika	45	45	45
5	Compiler Design	Mrs. P. P. Devi	45	45	46
6	Cloud, Microservices& Application / U20CBE502	Mr. Karthikeyan	45	48	50
7	Business Process / U20CBE505	Mrs. S. Deepa	45	45	46
8	Software Design with UML Laboratory / U20CBP507	Mrs. K. Devika	30	30	33
9	Compiler Design Laboratory / U20CBP508	Mrs. P. P. Devi	30	30	30
10	Mini Project / U20CBP509	Dr. N. Danapaquame	30	30	30
11	Cloud, Microservices& Application Laboratory / U20CBEP52	Mr. Karthikeyan	30	30	36
12	Business Process Laboratory / U20CBE505	Mr. Santhosh	30	30	33

### 3.2 Use of ICT Tools in Teaching Learning

#### Semester: II (2022-2026)

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
2	Dr. A. Vinoth	Fundamentals of Economics / U20HST203	PPT
3	Mr. K. Gurusamy	Linear Algebra / U20BST216	PPT
4	Dr. T. Poovaragavan	Statistical Methods / U20BST217	PPT
5	Dr. S. Prem Kumar	Principles of Electronics / U20EST251	PPT
6	Mrs. V. Sivasankari	Data Structures & Algorithms / U20CBT201	PPT
7	Mr. Devanathan	Statistical Methods Lab / U20BSP218	PPT
8	Dr. S. Prem Kumar	Principles of Electronics Lab /	PPT
9	Mrs. V. Sivasankari	Data Structures & Algorithms Lab / U20CBP201	PPT

#### Semester: IV (2021-2025)

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
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1	Mrs. K. Mathanavathi	Business Communication & Value Science – III / U20HST404	PPT
2	Mrs. P. Sureka	Introduction to Innovation, IP Management & Entrepreneurship / U20HST405	PPT
3	Dr. T. Gayathri	Operations Research / U20BST440	PPT
4	Mrs. K. Devika	Operating Systems / U20CBT406	PPT
5	Mr. T. Karthikeyan	Software Engineering / U20CBT407	PPT
6	Mrs. P.P. Devi	Design And Analysis of Algorithms / U20CBT408	PPT
7	Mr. M. Devanathan	Operations Research Lab	PPT
8	Mrs. K. Devika	Operating Systems(Unix) Lab / U20CBP404	PPT
9	Mr. T. Karthikeyan	Software Engineering Lab / U20CBP405	PPT
10	Mrs. P.P. Devi	Design And Analysis of Algorithms Lab / U20CBP406	PPT

### 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

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	9	Yes
2.	Fundamentals of Economics / U20HST203	Dr. A. Vinoth	Yes	10	Yes
3.	Linear Algebra / U20BST216	Mr. K. Gurusamy	Yes	10	Yes
4.	Statistical Methods / U20BST217	Dr. T. Poovaragavan	Yes	10	Yes
5.	Principles of Electronics / U20EST251	Dr. S. Prem Kumar	Yes	8	Yes
6.	Data Structures & Algorithms / U20CBT201	Mrs. V. Sivasankari	Yes	10	Yes
7.	Statistical Methods Lab / U20BSP218	Mr. Devanathan	Yes	10	Yes

8.	Principles of Electronics Lab /	Dr. S. Prem Kumar	Yes	10	Yes
9.	Business Communication & Value Science – III / U20HST404	Mrs. K. Mathanavathi	Yes	10	Yes
10	Introduction to Innovation, IP Management & Entrepreneurship / U20HST405	Mrs. P. Sureka	Yes	10	Yes
11	Operations Research / U20BST440	Dr. T. Gayathri	Yes	10	Yes
12	Operating Systems / U20CBT406	Mrs. K. Devika	Yes	6	Yes
13	Software Engineering / U20CBT407	Mr. T. Karthikeyan	Yes	10	Yes
14	Design And Analysis of Algorithms / U20CBT408	Mrs. P.P. Devi	Yes	10	Yes
15	Operations Research Lab	Mr. M. Devanathan	Yes	10	Yes
16	Operating Systems(Unix) Lab / U20CBP404	Mrs. K. Devika	Yes	10	Yes
17	Software Engineering Lab / U20CBP405	Mr. T. Karthikeyan	Yes	9	Yes
18	Design And Analysis of Algorithms Lab / U20CBP406	Mrs. P.P. Devi	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
162	9	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 <b>Target: Level 3</b>
4	PSO and PO attainment through CO	Yes	-

### 3.8 Student Performance in End Semester Examination Semester – I (2021-2025)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	56	-
2	Number of All Clear Students	51	-
3	Number of Students passed with Distinction	07	-
4	Number of Students passed with First Class	40	-
5	Number of Students passed with Second Class	04	-
6	Number of Students Failed	05	-
7	Passing Percentage	91.07	-

### Semester – III (2020-2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	53	-
2	Number of All Clear Students	46	-
3	Number of Students passed with Distinction	03	-
4	Number of Students passed with First Class	35	-
5	Number of Students passed with Second Class	08	-
6	Number of Students Failed	07	-
7	Passing Percentage	88.46	-

### 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	162	-
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	Yes	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 Consultancy
			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 Factors
1	2022-2023	1	SCI	-	-	1.08

##### 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	1
Number of Publication in International Conferences	4
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

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	An effective fraud detection using competitive swarm	T.Karthikeyan	Measurement: Sensors	2665-9174	-

	optimization based deep neural network				
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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
1	A review on Deep learning in Medical Image Analysis	T.Karthikeyan	NCACT-2023	NCACT-2023	-	-

### 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	Codic-Edere	Dr.N.Danapaquiqme	ICICEECI'22	ICICEECI'22	-	-
2	A Survey to detect financial fraud using deep learning approach	T.Karthikeyan, K.Devika	ICICEECI'22	ICICEECI'22	-	-
3	System for Price Prediction based on User rating	T.Karthikeyan	ICUCPI 2023	ICUCPI 2023	-	-
4	Systemizing the Flow of Water From Reservoir to Farmland using Sensors and Arduino	V.Sivasankari, P.P.Devi	ICICEECI'22	ICICEECI'22	-	-

### 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	Mr. N. Gopinath	Ms. K. Devika	Automated Forest Fire Detection and Wild Animal Protection System	202341035602 & 23.05.2023	INDIA	Published on 16.06.2023

**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	Vijay K	verzo	12 week	1.05.2022	31.08.2022
2	Harish B	Encora Innovation Labs India Pvt. Ltd., Bengaluru	68 days	5.06.2022	10.09.2023

**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	M Squared Software Solutions	19.05.2023	41	41
2	KELTRON Communication Complex	20.05.2023	41	41
3	TechVolt Pvt.Ltd	16.06.2023	55	55
4	Code Bind Technologies Pvt. Ltd	17.06.2023	55	55

#### 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
1	Subhash Raj M	HACK2LEAP hackathon	SRM	II Prize, 50,000 cash
2	Darshanth V	SSE – PHRONESIS, CODE CHEF COMPETITION	SIMATS School of Engineering	III Position

### 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		NIL

### 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
1	Dr. N. Danapaquame	SPOC - NPTEL

**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)
		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**

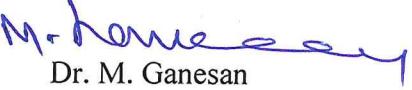
5000

**Recommendations:**

Section	Remarks
Curricular Aspects	The curriculum is up-to-date and relevant to the needs of students.
Teaching, Learning and Evaluation	Faculty members are well-prepared and knowledgeable about their subject matter.
Structured Feedback	Faculty members provide timely and constructive feedback to students.
Research, Innovation and Publications	The department has a robust process for evaluating research proposals.
Collaborations and Linkages	The department collaborations have contributed to the achievement of its strategic objectives.
Student Progression	The department has a comprehensive plan in place to support student progression.
Activity Conducted / Organized by the Department	The department effectively identifies and prioritizes activities that align with its strategic goals and the needs of its stakeholders.
Achievements	The department has effectively managed its resources.
General Remarks	To Promote Ethical Computing and Social Responsibility.

**Signature of the Internal Academic Audit Experts**

  
 Dr. P. Arunagiri  
 Associate Professor  
 Department of ECE,  
 SMVEC

  
 Dr. M. Ganesan  
 Associate Professor  
 Department of CSE,  
 SMVEC

1969.03.26. 2016.04.26.



**SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE**

An Autonomous Institution,  
Accredited by NAAC with 'A' grade  
Puducherry - 605107



**INTERNAL QUALITY ASSURANCE CELL**

**ACADEMIC AND ADMINISTRATIVE AUDIT**

**DEPARTMENT OF  
COMPUTER SCIENCE AND COMMUNICATION  
ENGINEERING**





## **ACADEMIC AND ADMINISTRATIVE AUDIT**

(Academic Year 2022 - 2023)

### **Internal Audit**

#### **SECTION -1: BASIC INFORMATION**

Audit Date	20.01.2023													
Name of the Department	Computer and Communication Engineering													
Year of Establishment	2020													
Programs Offered	<table border="1"> <tr> <td>Name of the Program</td> <td>Approved Intake</td> </tr> <tr> <td>B.Tech- Computer and Communication Engineering</td> <td>60</td> </tr> </table>		Name of the Program	Approved Intake	B.Tech- Computer and Communication Engineering	60								
Name of the Program	Approved Intake													
B.Tech- Computer and Communication Engineering	60													
Head of the Department	Dr. V. Bharathi													
Number of full time Teachers	Professor	1												
	Associate Professor	-												
	Assistant Professor	8												
Number of Technical Staff	-													
Number of Students	For B.Tech: <table border="1"> <tr> <th>Year</th> <th>Strength</th> </tr> <tr> <td>First Year</td> <td>57</td> </tr> <tr> <td>Second Year</td> <td>48</td> </tr> <tr> <td>Third Year</td> <td>-</td> </tr> <tr> <td>Fourth Year</td> <td>-</td> </tr> <tr> <td>Total</td> <td>105</td> </tr> </table>		Year	Strength	First Year	57	Second Year	48	Third Year	-	Fourth Year	-	Total	105
Year	Strength													
First Year	57													
Second Year	48													
Third Year	-													
Fourth Year	-													
Total	105													
Faculty Student Ratio	1:13													

#### **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.V.Bharathi Professor and Head Department of Computer and Communication Engineering	Chairman	B.Tech	III / V, VI
2	Dr. S. Premkumar Professor/ECE Specialization: Communication Systems	Internal Member	B.Tech	III / V, VI
3	Mrs.V.Logisvary Assistant Professor/ECE Specialization: Embedded Systems	Internal Member	B.Tech	III / V, VI
4	Mrs.V.Gomathi Assistant Professor/CCE Specialization: Networking	Internal Member	B.Tech	III / V, VI
5	Mrs.T.Sivarajanji Assistant Professor/CCE Specialization: Networking	Internal Member	B.Tech	III / V, VI
6	Ms.M.Indhumathi Assistant Professor/CCE Specialization: Machine learning	Internal Member	B.Tech	III / V, VI
7	Mr.M.Gobinath Assistant Professor/CCE Specialization: Networking	Internal Member	B.Tech	III / V, VI
8	Ms.S.Keerthana Assistant Professor/CCE Specialization: Database Systems	Internal Member	B.Tech	III / V, VI
9	Mr.Arokiaraj Christian St.Hubert Assistant Professor /CSE Specialization: CSE	Internal Member	B.Tech	III / V, VI
10	Mrs.G.Namita Assistant Professor /English Specialization: English	Internal Member	B.Tech	III / V, VI
11	Mrs.S.Geetha Assistant Professor /physics Specialization: Physics	Internal Member	B.Tech	III / V, VI
12	Dr. S. Savithri Assistant Professor /Chemistry Specialization: chemistry	Internal Member	B.Tech	III / V, VI
13	Mrs. D.Dheebia Assistant Professor /Chemistry Specialization: Mathematics	Internal Member	B.Tech	III / V, VI

**2.3 List of Open 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	U20CCO401	101
2	IV/VII	Data Science using python	U20CCO705	52

#### 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	II/ IV	ECE	Consumer Electronics	U20ECO402	57
2	III/V	MBA	Product Development and Design	U20HSO501	48
3	III/VI	CSE	Platform Technology	U20CSO603	48

#### 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	57
2	II/IV	Computer Hardware and Troubleshooting	U20CCS403	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	57
2	II/IV	CCNA (Routing and Switching)	U20CCC426	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/II	Environmental Science	U20CCM202	57
2	II/IV	NSS	U20CCM404	48

### SECTION –3: TEACHING, LEARNING AND EVALUATION

#### 3.1 Course Delivery

Semester: II (Batch: 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	Engineering Mathematics – II Multiple Integrals and Transforms / U20BST215	Mrs.D.Dheebia	60	60	60
2	Programming in C / U20EST201	Mrs.R.V.Nalinaa	45	45	60
3	Introduction to Web Technologies / U20CCT201	Mr.M.Gobinath	45	45	48
4	Electronic Circuits / U20CCT202	Ms.R.Jegadeeswari	45	45	52
5	Digital Electronics / U20CCT203	Dr.V.Bharathi	45	45	53

6	Computer Organization / U20CCT204	Ms.A.Thivya	45	45	50
7	Programming in C Laboratory / U20ESP202	Mrs.R.V.Nalinaa	30	30	36
8	Electronic Circuits Laboratory / U20CCP201	Ms.R.Jegadeeswari	30	30	36
9	Digital Electronics Laboratory / U20CCP202	Ms.A.Thivya	30	30	36

**Semester: IV (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	Probability and Stochastic Process / U20BST436	Mrs.D.Dheebia	60	60	63
2	Programming in Java / U20EST467	Mrs.T.Sivarajani	45	45	60
3	Principles of Data Communication / U20CCT408	Ms.R.Keerthana	45	45	54
4	Design and Analysis of Algorithms / U20CCT409	Ms.M.Indhumathi	45	45	59
5	Professional Elective- I Operating Systems / U20CCE405	Mrs.V.Gomathi	45	45	55
6	Open Elective-I Consumer Electronics / U20CCE409	Mrs.R.Gayathri	45	45	54
7	General Proficiency -II / U20HSP402	Mrs.Madhanavathi	30	30	33
8	Programming in Java Laboratory / U20ESP468	Mrs.T.Sivarajani	30	30	33
9	Data Communication Laboratory / U20CCP404	Ms.R.Keerthana	30	30	33
10	Design and Analysis of Algorithms Laboratory / U20CCP405	Ms.M.Indhumathi	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	Mrs.D.Dheebia	Engineering Mathematics -II Multiple Integrals and Transforms / U20BST215	PPT
2	Mrs.R.V.Nalinaa	Programming in C / U20EST201	PPT
3	Mr.M.Gobinath	Introduction to Web Technologies / U20CCT201	PPT
4	Ms.R.Jegadeeswari	Electronic Circuits / U20CCT202	PPT
5	Dr.V.Bharathi	Digital Electronics / U20CCT203	PPT
6	Ms.A.Thivya	Computer Organization / U20CCT204	PPT

7	Mrs.D.Dheebia	Probability and Stochastic Process / U20BST436	PPT
8	Mrs.T.Sivarajani	Programming in Java / U20EST467	PPT
9	Ms.R.Keerthana	Principles of Data Communication / U20CCT408	PPT
10	Ms.M.Indhumathi	Design and Analysis of Algorithms / U20CCT409	PPT
11	Mrs.V.Gomathi	Professional Elective - I Operating Systems / U20CCE405	PPT
12	Mrs.R.Gayathri	Open Elective-I Consumer Electronics / U20EC0402	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	Importance of Networking in Corporate Field	Mr.S.Stephenraj	19.11.2022	55
2	Unlock your skills	Mr.J.Lokeswaran	19.11.2022	46
3	Cyber Security	Mr.Sudeep Surendran	03.12.2022	48
4	Robotics	Mr.S.Gopishankar	26.12.2022	55
5	Digital Transformation and Decision making using Data Science	Mr.Jayamaran Ayilu	28.12.2022	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	Mrs.D.Dheebia	Yes	6	Yes
2	Programming in C / U20EST201	Mrs.R.V.Nalinaa	Yes	5	Yes
3	Introduction to Web Technologies / U20CCT201	Mr.M.Gobinath	Yes	5	Yes
4	Electronic Circuits / U20CCT202	Mrs.A.Jayachitra	Yes	6	Yes
5	Digital Electronics / U20CCT203	Dr.V.Bharathi	Yes	5	Yes
6	Computer Organization / U20CCT204	Ms.M.Indhumathi	Yes	6	Yes
7	Probability and Stochastic Process / U20BST436	Mrs.D.Dheebia	Yes	5	Yes
8	Programming in Java / U20EST467	Mrs.T.Sivarajani	Yes	6	Yes
9	Principles of Data Communication / U20CCT408	Dr.J.Pradeep	Yes	5	Yes
10	Design and Analysis of Algorithms / U20CCT409	Ms.M.Indhumathi	Yes	6	Yes

11	Professional Elective - I Operating Systems /	Mrs.V.Gomathi	Yes	5	Yes
12	Open Elective-I Consumer Electronics /	Mrs.R.Gayathri	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
106	8	1:13

### 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	<b>Mention the target:</b> Batch (2020-2024) - 55% Batch (2021-2025) - 60% (C Grade and above)
4	PSO and PO attainment through CO	Yes	-

### 3.8 Student Performance in End Semester Examination

Semester – II (Batch: 2021-2025)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	58	-
2	Number of All Clear Students	50	-
3	Number of Students passed with Distinction	11	-
4	Number of Students passed with First Class	36	-
5	Number of Students passed with Second Class	03	-
6	Number of Students Failed	08	-
7	Passing Percentage	86	-

**Semester – IV (Batch: 2020-2024)**

<b>Sr. No</b>	<b>Particular</b>	<b>B.Tech</b>	<b>M. Tech</b>
1	Number of Students appeared	48	-
2	Number of All Clear Students	46	-
3	Number of Students passed with Distinction	10	-
4	Number of Students passed with First Class	33	-
5	Number of Students passed with Second Class	3	-
6	Number of Students Failed	2	-
7	Passing Percentage	95.83	-

**SECTION – IV: STRUCTURED FEEDBACK**

<b>S.No</b>	<b>Particular</b>	<b>Yes / No</b>	<b>Number of Feedback Collected</b>	<b>Remarks (if any)</b>
1	Student Feedback on Teaching and Learning conducted with action taken report	Yes	35	Feedback received from all the students by conducting 3-Quality Circle Meeting in each semester for all the First and Second year students.
2	Parent Meet / Parent Feedback on Teaching conducted with action taken report	-	12	
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**

<b>S.No</b>	<b>Principle Investigator</b>	<b>Title of Project / Grants</b>	<b>Funding Agency</b>	<b>Amount (Rs. in Lakhs)</b>	<b>Duration of the project</b>
-	Nil	-	-	-	-

**5.2 Consultancy Works**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Nature of Consultancy</b>	<b>Funding Agency</b>	<b>Fund Generated</b>	<b>Duration of the Consultancy</b>
-	Nil	-	-	-	-

**5.3 Faculty Publications**

**Publication Details (Last Four Years)**

<b>S. No</b>	<b>Academic Year</b>	<b>Papers Published in peer reviewed Journals</b>	<b>Scopus, Web of Science Indexing Papers</b>	<b>Total Number of Citations</b>	<b>h-index</b>	<b>Impact Factor range / Average Impact Factors</b>
1	2019-2023	7 Papers Published	Out of which 4 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	9
Number of Publication in National Conferences	-
Number of Publication in International Conferences	2
Number of Books / Book Chapters	-
Number of Patent (Filed)	16
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	Prediction based Spatial Correlation Clustering Algorithm for Efficient Data Reduction in Wireless Sensor Network	Raja.P, DeepaT, V.Bharathi	International Journal of Advanced Intelligence Paradigms,	March 2019	Scopus
2	Itinerary Aware Data Delivery Technique for Underwater Acoustic Sensor Networks	V.Bharathi, S.Meenabavyakarthyaka	International Journal of Engineering and Advanced Technology	Vol. 9, No.2, pp.593-597, Dec 2019	Scopus
3	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/S2 0201395	Scopus
4	Detection of Wound in Human using HOG and HSV Algorithm	V.Bharathi. Oviya kirubanatham	Journal of Advanced Research In Dynamical & Control Systems	Vol. 12, Issue-06, 2020, DOI:10.5373/JARDCS/V12I2/S2 0201395	Scopus
5	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
6	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
7	Parkinson's Disease Classification Using Deep Convolutional Neural Network Based On Acoustic Signals	Dr.V.Bharathi, A. Devika, J.Jaya Nishanthini, A. PeriyaPrasanna, R. SaiCharanya	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
1	Itinerary Aware Data Delivery Technique for Underwater Acoustic Sensor Networks	V. Bharathi, P. Raja, S. Meenabavya, karthika, V. Logisvary	International Journal of Engineering and Advanced Technology (IJEAT)	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249 – 8958, Volume-9 Issue-2, December 2019	-
2	An Efficient Implementation of Mask and Temperature To Detect Covid-19 Patient and Report Online	V. Bharathi, K. Gayathri,	Proceedings of International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	International Conference on Emerging Innovative Technologies in Engineering (ICEITE-22)	978-93-94743-08-3	-

### 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	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Smart Refrigerator using Peltier Plate	202041033396 A & 21/08/2020	India	Published
2	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	A Furrower	202041033397 A & 21/08/2020	India	Published
3	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Mechanized System of Integrated Shoe Cleansing and Polishing	202041045087 A & 30/10/2020	India	Published
4	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Cost Effective Smart Sewage Treatment to Agriculture Fields	202041045102 A & 30/10/2020	India	Published

5	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Smart Organic Waste Composter	355941-002 & 31/12/2021	India	Published
6	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Smart Safety Helmet for Construction Workers	355944-001 & 31/12/2021	India	Published
7	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Shoe For Visually Impaired	350939-001 & 7/10/2021	India	Published
8	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Smart Shoe for Visually Impaired	350939-002 & 7/10/2021	India	Published
9	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Automobile Fuel Adulteration Detector	356036-002 & 11/03/2022	India	Published
10	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Fuel Adulteration Detecting Device for Vehicles	356036-001 & 8/04/2022	India	Published
11	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Driver Drowsiness Detecting and Warning System	356035-001 & 11/03/2022	India	Published
12	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Driver Drowsiness Detecting and Alerting Device	356035-001 & 4/03/2022	India	Published
13	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Portable Organic Waste Composter	355941-001 & 25/02/2022	India	Published
14	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Portable Mount Stand for Sun Tracking Solar Panel	355939-001 & 4/03/2022	India	Published
15	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Smart Stand for Sun Tracking Solar Panel	355936-001 & 4/03/2022	India	Published

16	Sri Manakula Vinayagar Engineering College	Dr.V.Bharathi	Safety Helmet with Camera and Solar Powered Fan For Construction Workers	355937-001 & 3/01/2022	India	Published
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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
1	Sivaprasath SJ	IEEE (Data Visvalaization & R Programing)	1 Month	June 2022	July 2022
2	Sridevi S	PALOALTO (Cyber Security)	3 Months	July 2022	September 2022
3	Abinaya S	CELONIS (Process Mining)	3 Months	July 2022	September 2022
4	Revanth D	CELONIS (Process Mining)	3 Months	July 2022	September 2022
5	Vijayaraja V	CELONIS (Process Mining)	3 Months	July 2022	September 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
1	Tech Volt Solutions Pvt Ltd	04.08.2022	II year CCE students	45
2	MAS Solar Systems Pvt Ltd	04.09.2022	II year CCE students	45

### 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)
-	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	Self-Introduction and Technical Quiz	Department	30.11.2021	SMVEC	44
2	Presentation on Technical Advancement	Department	30.11.2021	SMVEC	38
3	Creative Activity - Drawing	Department	01.11.2022	SMVEC	24
4	Creative Activity – Vegetable Carving	Department	31.10.2022	SMVEC	46
5	Creative Activity - Cooking without Fire	Department	02.11.2022	SMVEC	38
6	Self-Introduction and Technical Quiz	IEI Student Chapter	30.06.2022	SMVEC	36
8	Guest Lecture on Interactive Animation- Animate CC	IEEE Student Chapter	17.12.2022	SMVEC	46
9	Guest Lecture on Cyber Security	IEEE Student Chapter	03.12.2022	SMVEC	40

### 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

### 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
-	-	-

### 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
3	Dr.V.Bharathi	Long Time Service

### 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.V.Gomathi	Webinar on IPR-Patents, Design Filling Process under National Intellectual Property Awarness Mission	NIPAM	19.12.2022
2	Mrs.T.Sivaranjani	Webinar on IPR-Patents, Design Filling Process under National Intellectual Property Awarness Mission	NIPAM	19.12.2022

#### 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**  
**Dr.V.Bharathi**

## Recommendations

Section	Remarks
Curricular Aspects	
Teaching, Learning and Evaluation	
Structured Feedback	
Research, Innovation and Publications	Need to concentrate on research oriented projects to get funding from external agencies.
Collaborations and Linkages	MoU to be signed with reputed organization for betterment of students.
Student Progression	
Activity Conducted / Organized by the Department	
Achievements	Need participation of faculty in various committees to get more exposure on various events.
General Remarks	

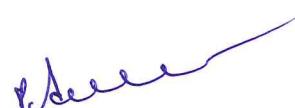
## Signature of the Internal Academic Audit Experts



**Dr.M.Ganesan**

Professor

Department of Computer Science and Engg.  
SMVEC, Puducherry



**Dr.P.Arunagiri**

Associate Professor

Department of Electronics and Communication Engg.  
SMVEC, Puducherry



**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**

**DEPARTMENT OF  
FASHION TECHNOLOGY**





**ACADEMIC AND ADMINISTRATIVE AUDIT**

(Academic Year 2022-2023)

(Internal Audit)

**SECTION -1 : BASIC INFORMATION**

Audit Date	19.01.2023																					
Name of the Department	Fashion Technology																					
Year of Establishment	2020																					
Programs Offered	<table border="1"> <tr> <th>Name of the Program</th> <th>Approved Intake</th> </tr> <tr> <td>B.Tech</td> <td>60</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>		Name of the Program	Approved Intake	B.Tech	60																
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	8																				
Number of Technical Staff																						
Number of Students	<p>For B.Tech:</p> <table border="1"> <tr> <th>Year</th> <th>Strength</th> </tr> <tr> <td>First Year</td> <td>-</td> </tr> <tr> <td>Second Year</td> <td>14</td> </tr> <tr> <td>Third Year</td> <td>22</td> </tr> <tr> <td>Fourth Year</td> <td>-</td> </tr> <tr> <td>Total</td> <td>36</td> </tr> </table>	Year	Strength	First Year	-	Second Year	14	Third Year	22	Fourth Year	-	Total	36	<p>For M.Tech</p> <table border="1"> <tr> <th>Year</th> <th>Strength</th> </tr> <tr> <td>First Year</td> <td>-</td> </tr> <tr> <td>Second Year</td> <td>-</td> </tr> <tr> <td>Total</td> <td>-</td> </tr> </table>	Year	Strength	First Year	-	Second Year	-	Total	-
Year	Strength																					
First Year	-																					
Second Year	14																					
Third Year	22																					
Fourth Year	-																					
Total	36																					
Year	Strength																					
First Year	-																					
Second Year	-																					
Total	-																					
Faculty Student Ratio																						

**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.J.Thanikai Vimal	BoS Chairman	B.Tech FT	III & IV / VI,VII&VIII
2	Mr.B. Mothilal	BoS Member	B.Tech FT	III & IV / VI,VII&VIII
3	Mrs.N.Kavitha	BoS Member	B.Tech FT	III & IV / VI,VII&VIII
4	Mrs.S.Padmapriya	BoS Member	B.Tech FT	III & IV / VI,VII&VIII
5	Mr.M.Elanthamilan	BoS Member	B.Tech FT	III & IV / VI,VII&VIII
6	Mr.M.Jawagar	BoS Member	B.Tech FT	III & IV / VI,VII&VIII
7	Mr.N.Rajaguru	BoS Member	B.Tech FT	III & IV / VI,VII&VIII
8	Mr.K.Thangadurai	BoS Member	B.Tech FT	III & IV / VI,VII&VIII
9	Mrs.R.B.Malathy	BoS Member	B.Tech FT	III & IV / VI,VII&VIII

**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	High Fashion Designing	U20FTE405	22

**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	II / IV	Mechanical	Industrial Engineering for Textile	U20MEO403	22

**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	Design and Data Collection	U20FTS201	21
2	II/IV	Computer Colour Matching	U20FTS403	22

**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	Fusion 360	U20FTC250	14
2	II/IV	Digital Marketing	U20FTC439	22

**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	U20FTM202	14
2	II/IV	NSS	U20FTM404	22

**SECTION -3: TEACHING, LEARNING AND EVALUATION**

**3.1 Course Delivery**

**Semester : II (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	U20BST219 Basics Textile Chemistry	Dr.Savithri	45	45	50
2	U20EST253 Applied Mechanics for Textile Technologists	Dr.L.martin	45	45	55
3	U20EST254 Basic Engineering Graphics for Textile Designing	Mr.Giriprasath	45	45	55
4	U20FTT203 Basics of Yarn and Fabric Manufacturing	Mr.K.Thangadurai	45	45	56
5	U20FTT204 Concepts of Fashion and Design	Mrs.S.Padmapriya	45	45	52
6	U20FTT205 Fabric Surface Design	Mr.M.Jawagar	30	30	30
7	U20ESP255 Basic Engineering Graphics for Textile Designing Lab	Mr.Giriprasath	30	30	30
8	U20FTP202 Textile manufacturing Lab	Mr.K.Thangadurai	30	30	30
9	U20FTP203 Fashion And Design Concept Lab	Mrs.S.Padmapriya	30	30	30

**Semester : IV(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	U20FTT410 Pattern Engineering -II	Mrs.S.Padmapriya	45	45	56
2	U20FTT411 Textile Chemical Processing	Mr.Mothilal	45	45	60
3	U20FTT412 Apparel machinery and Equipment	Mr.K.Thangadurai	45	45	55
4	U20FTT413 Garment Construction – I	Mrs.N.Kavitha	45	45	55
5	U20FTE405 High Fashion Designing	Mrs.S.Padmapriya	45	45	56
6	U20MEO403 Industrial Engineering for Textile	Dr.Ravishanker	30	30	52
7	U20HSP401 General Proficiency - I	Mrs.Madanavathi	30	30	30
8	U20FTP407 Pattern Engineering -II Lab	Mrs.S.Padmapriya	30	30	30
9	U20FTP408 Textile Chemical Processing Lab	Mr.Mothilal	30	30	30
10	U20FTP409 Garment Construction – I Lab	Mrs.N.Kavitha	30	30	30

### 3.2 Use of ICT Tools in Teaching Learning

Semester: II & IV

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr.K.Thangadurai	U20FTT203 Basics of Yarn and Fabric Manufacturing	PPT
2	Mrs.S.Padmapriya	U20FTT204 Concepts of Fashion and Design	PPT
3	Mr.M.Jawagar	U20FTT205 Fabric Surface Design	PPT
4	Mr.Mothilal	U20FTT411 Textile Chemical Processing	PPT
5	Mr.K.Thangadurai	U20FTT412 Apparel machinery and Equipment	PPT
6	Mrs.N.Kavitha	U20FTT413 Garment Construction – I	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	#LOOKBOOK	Department	24.06.2022	36
2				

### 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	5	Yes
2	U20FTT204 Concepts of Fashion and Design	Mrs.S.Padmapriya	Yes	6	Yes
3	U20FTT411 Textile Chemical Processing	Mr.Mothilal	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
36	9	1:4

### 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 (2021-2025)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	14	-
2	Number of All Clear Students	13	-
3	Number of Students passed with Distinction	2	-
4	Number of Students passed with First Class	11	-
5	Number of Students passed with Second Class	-	-
6	Number of Students Failed	1	-
7	Passing Percentage	92.85	-

#### Semester – IV (2020-2024)

Sr. No	Particular	B.Tech	M. Tech
1	Number of Students appeared	22	-
2	Number of All Clear Students	20	-
3	Number of Students passed with Distinction	4	-
4	Number of Students passed with First Class	16	-
5	Number of Students passed with Second Class	-	-
6	Number of Students Failed	2	-
7	Passing Percentage	90.90	-

### 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 Consultancy
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 Impact Factor
	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						

### 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	Gokaldas Exports Ltd, Bangalore	05.08.2022	I/II/A	14
2	Gokaldas Exports Ltd, Bangalore	05.08.2022	II/IV/A	22
3	Motherland Garments Private Limited, Bangalore	06.08.2022	I/II/A	14
4	Motherland Garments Private Limited, Bangalore	06.08.2022	II/IV/A	22

#### 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
1	#LOOKBOOK	Department	24.06.2022		

#### 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
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 Hyderabad	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

**Recommendations:**

Section	Remarks
Curricular Aspects	Document evidences for preference, allotment of courses to faculty and electives chosen by students needs proper documentation and recorded for traceability
Teaching, Learning and Evaluation	Nil
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 those societies/ bodies.
General Remarks	Nil

**Signature of the Internal Academic Audit Experts**



Dr. A.G. Ganeshkumar  
Professor  
Department of Mechanical Engineering,  
SMVEC



Dr. A. Jayachitra  
Associate Professor  
Department of Electronics & Communication  
Engineering, SMVEC



**SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE**

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Puducherry - 605 107



**INTERNAL QUALITY ASSURANCE CELL**

**ACADEMIC AND ADMINISTRATIVE AUDIT**

**SCHOOL OF ARCHITECTURE**





**ACADEMIC AND ADMINISTRATIVE AUDIT**  
(Academic Year 2022-2023)  
**INTERNAL AUDIT**

**SECTION –1: BASIC INFORMATION**

Audit Date	19.01.2023					
Name of the Department	School of Architecture					
Year of Establishment	2017					
Programs Offered	<table border="1"> <tr> <td>Name of the Program</td> <td>Approved Intake</td> </tr> <tr> <td>B.Arch. (Bachelor of Architecture)</td> <td>40</td> </tr> </table>		Name of the Program	Approved Intake	B.Arch. (Bachelor of Architecture)	40
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	3				
	Assistant Professor	10				
Number of Technical Staff	1					
Number of Students	For B.Arch.:					
	Year	Strength				
	First Year	26				
	Second Year	16				
	Third Year	25				
	Fourth Year	24				
	Fifth Year	11				
Faculty Student Ratio	Total	102				
	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	CHAIRMAN	-	-
2	Ar.R.Ragavendira	Committee member	Architectural Studios	ALL YEARS /SEM.
3	Ar.T.Mugesh	Committee member	Professional electives	ALL YEARS /SEM.
4	Ar.B.Kanimozhi	Committee member	Theory cum studio	ALL YEARS /SEM.
5	Ar.G.Venkatramanan	Committee member	Theory	ALL YEARS /SEM.
6	Ar.S.Adithyan	Committee member	Theory	ALL YEARS /SEM.
7	Ar.R.Nivetha	Committee member	Theory	ALL YEARS /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	IV / VII	Energy Efficient Architecture	U20EL05710	24
2	IV / VII	Sustainable Architecture and Planning	U20EL0713	24
3	X / IX	Architectural Photography and Journalism	U20EL0607	11
4	III / V	Vernacular Architecture	U20EL0501	25
5	V / X	Earthquake Resistant Architecture	ARE18	11
6	III / VI	Interior Design	U20EL0603	25
7	III / VI	Glass Architecture and Design	U20EL0607	25
8	V / IX	Architectural Photography and Journalism	ARE16	24

**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 / II	Architectural Graphics - II	U20ST0209	16
2	I / II	Architectural Model Making Workshop	U20ST0210	16
3	I / II	Architectural Design Studio - I	U20ST0211	16
4	II / V	Building Services - I	U20TS0420	25

5	II / V	Computer Aided Design	U20ST0422	25
6	II / V	Architectural Design Studio - III	U20ST0423	25
7	IV / VII	Building Services -III	ARP71	24
8	IV / VII	Architectural Design Studio - VI	ARS71	24
9	V / IX	Architectural Design VII	ARS81	11
10	I / I	Visual Arts	U20ST0103	26
11	I / I	Architectural Graphics - I	U20ST0104	26
12	I / I	Basic Design Studio	U20ST0105	26
13	II / III	Site Surveying and Planning	U20TS0314	16
14	II / III	Climate and Built Environment	U20TS0315	16
15	II / III	Architectural Design studio - II	U20ST0317	16

## 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: Odd Sem (I, III, V 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.	Mathematics / U20TH0100	Mr.V.Ganesan	45	45	45
2.	History of Architecture & Culture – I / U20TH0101	Ar.R.Nivetha	45	45	45
3.	Communication English / U20TS0102	Dr..Jayachitra	60	60	60
4.	Visual Arts / U20ST0103	Ar.S.Adithyan	90	90	90
5.	Architectural Graphics – I / U20ST0104	Ar.R.Balaaji	75	75	75
6.	Basic Design Studio / U20ST0105	Ar.S.Adithyan	180	180	180
7.	Mechanics of Structures – II / U20TH0312	Ms.G.Yamuna	45	45	45
8.	History of Architecture and Culture - II U20TH0313	Ar.S.Adithyan	45	45	45
9.	Site Survey and Planning / U20TS0314	Ar.T.Mugesh	60	60	60

10.	Climate and Built Environment U20TS0315	Ar.R.Nivetha	60	60	60
11.	Building Materials & Construction – II / U20ST0316	Ar.R.Ragavendira	75	75	75
12.	Architectural Design Studio – II / U20ST0317	Ar.T.Mugesh	210	210	210
13.	Design of Structures-II / U20TH0524	Ms.G.Yamuna	45	45	45
14.	History of Architecture and Culture - III U20TH0525	Ar.B.Kanimozhi	45	45	45
15.	Vernacular Architecture / U20 EL0501	Ar.G.Venkatramanan	45	45	45
16.	Building Services – II / U20TS0526	Ar.B.Kanimozhi	60	60	60
17.	Building Materials and Construction-IV	Ar.G.Venkatramanan	75	75	75
18.	Architectural Design Studio – IV / U20ST0528	Ar.R.Ragavendira	210	210	210
19.	Human Settlement and Planning / ART 81	Ar.S.Harshini	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.N.Syed Tajudeen	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.T.Mugesh	Site Survey and Planning / U20TS0314	
2.	Ar.B.Kanimozhi	History of Architecture and Culture - III U20TH0525	
3.	Ar.G.Venkatramanan	Building Materials and Construction-IV	
4.	Ar.R.Balaaji	Architectural Graphics – I / U20ST0104	
5.	Ar.S.Adithyan	Environment Science for Built Environment/ U20TH0419	
6.	Ar.R.Nivedha	Climate and Built Environment / U20TS0315	

### 3.3 List of Expert Lectures / Workshop Conducted

S.No	Topic of Lecture / Workshop	Expert Speaker / Resource Person	Date of Conduction	Target Audience
1.	AutoCAD & Google Sketch up	Vector Solutions - Pondicherry	22-05-2023	16
2.	Revit Architecture	Vector Solutions - Pondicherry	02-05-2023	25
3.	Heritage walk White Town (Seminar)	Ar.Ashok Panda -Intach, Pondicherry	13/08/2022	26

### 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	History of architecture I	Ar.Nivedha	Yes	2	Yes

### 3.5 Counseling and Mentoring

S. No	Particular	Yes / No	Remarks (if any)
1	Mentor allocation	Yes	-

No. of Students in Department	Number of Full Time Teachers in the Department	Mentor: Mentee Ratio
102	14	1:13

### 3.6 Internal Evaluation Systems

S. No	Particular	Yes / No	Remarks (if any)
1	Continuous Assessment Test Record	Yes	
2	Seminar	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, 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	V Yr
1	Number of Students appeared	26	16	25	24	11
2	Number of All Clear Students	17	16	21	24	11
3	Number of Students passed with Distinction	-	-	-	-	8
4	Number of Students passed with First Class	-	-	-	-	3
5	Number of Students passed with Second Class	-	-	-	-	-

6	Number of Students Failed	9	-	4	-	-
7	Passing Percentage	65	100	84	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	102	-
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
Nil					

##### 5.2 Consultancy Works

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

##### 5.3 Faculty Publications (2022-23)

###### 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	2019-20	-	-	-	-	-
2	2020-21	2	-	-	-	-
3	2021-22	-	-	-	-	-
4	2022-23	1	-	-	-	-

**Publication Details for Academic Year consider for Auditing (2022-23)**

Number of Publication in National Journals	1
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	Green Building : the impact of Humanity on the Environment	ARR.R.RAGAVENDIRA /	Gradiva Review Journal	0363-8057

**International Journal:(2022-23)**

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
			Nil			

**Books / Book Chapters**

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

**Patent**

S.N o	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
1	Aishwarya.B	Infinity Architects, Chennai	98 days	21.11.2022
2	Anusha.H	Cheralathan Associates, Chennai	90 days	15.11.2022
3	Anushaw.M	SaSu Architects, Bangalore	104 days	14.11.2022
4	Deepika.N	Cheralathan Associates, Chennai	91 days	21.11.2022
5	Dhanigaivel.E	Le Arch, Chennai	90 days	22.11.2022
6	Hari Gowtham.AT	F3 Design, Chennai	90 days	21.11.2022
7	Harikaran.S	Cheralathan Associates, Chennai	111 days	16.11.2022
8	Jamila Shameena.M	Rayan Architects, Chennai	90 days	24.11.2022
9	Jothikha.B	Nest Architecture, Chennai	105 days	25.11.2022
10	Kishore. P	Fourth Dimension, Coimbatore	90 days	25.11.2022
11	Logeshwar. T.S.	KSD Architects, Chennai	90 days	21.11.2022
12	Lokesh.J	Taamasek Consortium, Chennai	90 days	21.11.2022
13	Mohamed Afzidi.M	Studio 361 , Salem	97 days	21.11.2022
14	Mohamed Fayas.A	F3 Design, Chennai	90 days	22.11.2022
15	Mohana Priya.S	Unispace, Chennai	90 days	25.11.2022
16	Neeharika.V	Auroville	100 days	28.11.2022
17	Nivetha.L	Rayan Architects, Chennai	84 days	24.11.2022
18	Praveen Kumar.A	Taamasek Consortium, Chennai	103 days	22.11.2022
19	Praveen.A	L & T, Mumbai	90 days	28.12.2022
20	Rishavarthini.M	Sundaram Architects, Bangalore	90 days	01.12.2022
21	Roopavathi. S	Tash Architectsm, Bangalore	124 days	21.11.2022
22	Sarumathi.M	Fourth Dimension, Coimbatore	119 days	28.11.2022
23	Srinivas.G	Cheralathan Associates, Chennai	101 days	15.11.2022
24	Suruthi. M	Infinity Architects, Chennai	98 days	21.11.2022

### 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				

### Industrial Visits

S.No	Name of the Industry / Company / Research Institute	Date of Visit	Target Audience	Number of Students Participated
1	INTACH (Heritage site documentation)	13.08.2022	26	26

### 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	6
Number of Students opted Higher Studies	3
Number of Entrepreneur	-

#### 7.1 Placements

S.No	Name of the Student	Name of the Company	Salary Package (per annum)
1	Rasika R	L' Arch, Pondicherry	Rs.2,50,000
2	Shanmuga priya . K	Design Collaborative Pvt. Ltd., Pondicherry	Rs.2,00,000
3	Amudhaselvan K	Desire designs, Pondicherry	Rs.2,50,000
4	Gowri shankar	SPACEMAST, Bangalore	Rs.2,00,000
5	Kavitha kumari . V	Sri Ragavendra construction, Pondicherry	Rs.2,50,000
6	Dhivya a	Creative architect and interior design	Rs. 1,80,000

#### 7.2 Higher Studies

S.No	Name of the Student	Name of the Institution	Name of Program admitted
1	Gopika	Sathyabama University, Chennai	M.Arch
2	Velayudham. S	Lanchester University, UK	M.Arch
3	Vignesh kumar. A	University of Liverpool, UK	M.Arch
4	Priyanka. K	Birmingham University, UK	M.Arch

#### 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 /	No. of Participants

		/ Student Association/ Profession Chapter / Student Club)		International)	
-1	Indian temple architecture	Department	10-05-2022	State	16
5	Heritage Walk White town	Department	13.08.2022	State	26

### 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	Workshop on Effective teaching techniques	Department	08-08-2022 to 12-08-2022	State	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	Sathya. R	Suenolucedo Event	State event	1st prize
2	Sathya. R	Bamboo design competition	National event	3rd prize
3	Sreenithi B. S	Office design competition	Inter University	1st prize
4	Sowmiya V.R	Dance competition	Inter University	2nd prize
5	Mathevathanaa C	Set design workshop	Inter University	Participation

### 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	<ul style="list-style-type: none"> <li>● Member, Council of Architecture</li> <li>● Member, Indian Institute of Architects</li> </ul>
2	Ar.R.Ragavendira	<ul style="list-style-type: none"> <li>● Member, Council of Architecture</li> </ul>
3	Ar.T.Mugesh	<ul style="list-style-type: none"> <li>● Member, Council of Architecture</li> </ul>
4	Ar.B.Kanimozhi	<ul style="list-style-type: none"> <li>● Member, Council of Architecture</li> </ul>
5	Ar.R.Balaaji	<ul style="list-style-type: none"> <li>● Member, Council of Architecture</li> </ul>
6	Ar.G.Venkatramanan	<ul style="list-style-type: none"> <li>● Member, Council of Architecture</li> </ul>
7	Ar.S.Adithyan	<ul style="list-style-type: none"> <li>● Member, Council of Architecture</li> <li>● Member, Indian Institute of Architects</li> </ul>
8	Ar.R.Nivedha	<ul style="list-style-type: none"> <li>● Member, Council of Architecture</li> </ul>
9	Ar.N.Syed Tajudeen	<ul style="list-style-type: none"> <li>● Member, Council of Architecture</li> </ul>
10	Ar.S.Harshini	<ul style="list-style-type: none"> <li>● Member, Council of Architecture</li> </ul>

### 9.2 Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers

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

### 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
1	Ar.R.Ragavendira	Best Teacher Award (INSC-Institute of Scholars)

### 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	Research Methods and Techniques in Architecture and Planning (Professional Development Programme)	11.04.2022 to 15.04.2022
2	Ar. R. Ragavendira	Barrier-free design and Universal Design Principles in Architecture and Planning (Professional Development Programme)	14.11.2022 to 18.11.2022
3	Ar. S. Adithyan	Barrier-free design and Universal Design Principles in Architecture and Planning (Professional Development Programme)	14.11.2022 to 18.11.2022
4	Ar. R. Nivedha	Barrier-free design and Universal Design Principles in Architecture and Planning (Professional Development Programme)	14.11.2022 to 18.11.2022

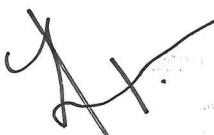
#### Declaration by (Principal SOA/SMVEC)

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

~~5000~~ ~~5000~~

1000



**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**





**ACADEMIC AND ADMINISTRATIVE AUDIT**

(Academic Year 2022-2023)

Internal Audit

**SECTION –1 : BASIC INFORMATION**

Audit Date	26/06/2023			
Name of the Department	Master of Computer Applications			
Year of Establishment	2002			
Programs Offered	Name of the Program	Approved Intake		
	P.G programs -MCA	120		
Head of the Department	Dr. A. Ramalingam			
Number of full time Teachers	Professor	02		
	Associate Professor	03		
	Assistant Professor	11		
Number of Technical Staff	01			
Number of Students	For MCA		For M.Tech	
	Year	Strength	Year	
	First Year	117	First Year	NIL
	Second Year	117	Second Year	NIL
	Third Year		Total	NIL
	Fourth Year			
	Total	234		
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.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  
ODD(III Sem/Nov 2022 – Mar 2023) &(I sem/Dec 2022 – May 2023)**

S.No	Year / Sem	Name of the Elective Course	Course Code	Number of Students Registered
1	II/III	Professional Elective-2 Data science in Big Data	P20MCE301	117
<b>April 2023 – Sep 2023</b>				
1.	I/II	Professional Elective-1: web services	P20MCE203	117
2.	II/IV	Professional Elective-3: Software Project Management and Quality Assurance	P20MCE404	117

**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
<b>May 2023 – Aug 2023(EVEN)</b>				
1	I/II	Skill Development Course-II (NPTEL / MOOC / SWAYAM)	P20MCS201	117
2	II/IV	Certificate Course-IV CCNA (Wireless)	P20MCC408	117
<b>Nov 2022 – May 2023(ODD)</b>				
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	117

**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	117

**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 2022 – Mar 2023) Batch(2022-24)

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. V. Vasanth	60	60	60
2	P20MCT102	Dr.T.Amalraj Victoire	45	45	45
3	P20MCT103	Mr. R. Ramakrishnan	45	45	45
4	P20MCT104	Ms. Angelamary M	45	45	45
5	P20MCT105	Ms. V. Padmapriya	45	45	45
<b>PRACTICAL</b>					
6	P20MCP101	Dr.T.Amalraj Victoire	40	40	40
7	P20MCP102	Mr. R. Ramakrishnan	40	40	40
8	P20MCP103	Ms. Angelamary M	40	40	40

**III Semester : (Nov 2022 – Mar 2023) 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	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. A. Karunamurthy	45	45	45
5	P20MCE301	Mrs. M. Vasuki	45	45	45
<b>PRACTICAL</b>					
6	P20MCP301	Dr.T.Amalraj Victoire	40	40	40
7	P20MCP302	Dr. A. Karunamurthy	40	40	40
8	P20MCP303	Mr. R. Ramakrishnan	40	40	40

### 3.2 Use of ICT Tools in Teaching Learning

Semester: Nov 2022 – Mar 2023

S.No	Name of the Faculty	Name of the Course for which ICT used	ICT Tool / Technique Used
1	Mr. V. Vasanth	Mathematical Foundations of Computer Applications	PPT/Lecture Videos, Digital writing Board
2	Dr.T.Amalraj Victoire	Object Oriented	PPT/Lecture Videos

		Programming in C++	
3	Mr. R. Ramakrishnan	Advanced Database Management Systems	PPT/Lecture Videos
4	Ms. Angelamary M	Accounting and Financial Management	PPT/Lecture Videos, Digital writing Board
5	Mrs. V. Padmapriya	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. Karunamurthy	Mobile Application Development	PPT/Lecture Videos, Digital writing Board
10	Mrs. M. Vasuki	Professional Elective-2: Big Data	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
1	Mr. S. Guruprasad, Software Engineer, Accenture, Chennai	Usability, Interfaces and Testing	08 January 2023	117
2	Mr.R.Vimal Raj, TCS, Chennai	Applications of Data Science	22 January 2023	60
3	Mr. Ramachandira Velankani, Hattussa IT Solutions	Introduction To Block Chain	12 February 2023	60
4	Toufeek Ahamed A, Associate Trainer, CCC Digital Quantum hub, Visakhapatnam	Artificial Intelligence	26 February 2023	117
5	Ms.Jaisri , Software Developer, Allsec Technologies,Chennai.	Mongo DB	12 March 2023	60
6	P.Vignesh , Software Developer, Allsec Technologies Chennai.	Oracle Database and Financial	19 March 2023	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)
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(Nov 2022 – Mar 2023)

I Year / I Sem Batch (2022-2024)

1	Mathematical Foundations of Computer Applications	Mr. V. Vasanth	Yes	5	Yes
2	Object Oriented Programming in C++	Dr.T.Amalraj Victoire	Yes	4	Yes

3	Advanced Database Management Systems	Mr. R. Ramakrishnan	Yes	4	Yes
4	Accounting and Financial Management	Ms. Angelamary M	Yes	6	Yes
5	Problem Solving Approach	Mrs. V. Padmapriya	Yes	3	Yes

#### **II year / III Sem Batch (2021-2023)**

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. Karunamurthy	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	16	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**

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 Failed	-
6	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	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 Consultancy
	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 ImpactFactos
1	2019-2020	4	1	-	1	-
2	2020-2021	8	2	-	-	-
3	2021-2022	3	-	-	-	-
4	2022-2023	4	1	-	-	-

###### Publication Details for Academic Year consider for Auditing

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

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
		<b>NIL</b>		

### International Journal

S.No	Title of the Paper	Name of the Authors	Name of the Journal	Vol, issue, pp, ISBN/ISSN	Indexing
1	HANA: A performance based machine learning and neural Network Approach for climent Perrilient Agriculture	1.G.Revathy, 2.P.Archana,3.R.Madonna Arieth 4.N.S.Kavitha 5.A.Ramaligam 6.Kiran Ramaswamy	Hindawi	1687-4129	1
2	Variational mode decomposition combined fuzzy—Twin support vector machine model with deep learning for solar photovoltaic power forecasting	Gobu Balraj, Aruldoss Albert Victoire, <b>Amalraj Victoire</b>	Plos one	<a href="https://doi.org/10.1371/journal.pone.0273632">https://doi.org/10.1371/journal.pone.0273632</a>	2
3	Deep Learning LSTM Recurrent Neural Network Model for Prediction of Electric Vehicle Charging Demand	Jaikumar Shanmuganathan, Aruldoss Albert Victoire, Gobu Balraj, <b>Amalraj Victoire</b>	Sustainability	<a href="https://doi.org/10.3390/su141610207">https://doi.org/10.3390/su141610207</a>	3
4	Energy Harvesting and Optimization Using Broadcast Channel Approach for MIMO Systems in Wireless Sensor Networks	Gandikota Ramua , Narayanan R C, <b>Karunamurthy</b> , Alfrin Vickson V S	ECS Transactions	<b>DOI</b> 10.1149/10701.16519ecst	4
5	Analyzing Performance Of Placement Students Record Using Different Clustering Algorithm	<b>Vasuki M</b> ,Dr S Revathy	Indian Journal of Computer Science and Engineering	0976-5166	5
6	Managing IoT Devices with Routing Information Protocol	<b>A. Karunamurthy</b> 1, <b>T. Amalraj Victoire</b> 2, <b>M.Vasuki</b> 3, <b>V. Lawrence Britto</b>	A Journal for New Zealand Herpetology , BioGecko	2230-5807	6
7	Novelty Algorithm for Climate Change Mitigation and Adaption :Dynamic Carbon Pricing with AI- Driven emissions Forecasting	<b>A.Karunamurthy</b> , K.Sacthivel, T.Karthikeyan	Madhya Bharathi	0974-0066	7

### 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	System for price	T. Karthikeyan Karunamurthy,	ubiquitous computing and	ICUCPI 2023	78-81-966001-	Joseph arts and science

	prediction based on user rating	R	pervasive intelligence		4-3	college, Tirunavallur
2	CODIC-EDERE	Dr. A. Ramalingam	Innovative and cutting edge technologies in Electrical, Electronics, Computer Engineering and Information Technology	ICICEECI'22	-	Mailam Engineering college
3	VIRTUAL MOUSE	Dr. A. Ramalingam	Innovative and cutting edge technologies in Electrical, Electronics, Computer Engineering and Information Technology	ICICEECI'22	-	Mailam Engineering college

#### 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	Intelligent Outlier Detection for Smart Farming Application using Deep Neural Network	N Murali, A Sasi Kumar, A Karunamurthy, R Suseendra, S Manikandan	2022 IEEE 2nd International Conference on Mobile Networks and Wireless Communications	ICMNWC	978-1-6654-9111-2/22	IEEE

#### 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	Bitcoin and Cryptocurrency Technology	Dr.Sanjeev kumar Mandal Dr.Sanjay B.waykar Dr.A.Ramalingam Rajadurai Narayananamurthy	ISBN NO-13:978-93-95-331-23-4	RK publication
3	An Investigation on Diabetes Using Multi-Layer Perceptron	J. Surendharan, A. Karunamurthy, R. Praveena, K. Shebagadevi	ISBN-10:9395331232,	AAP
4	Automata Languages and Computation	Dr. A. Ramalingam	978-93-5577-184-1/2022	Charulatha Publications
5	Research Trend and Role of Artificial	Dr. Bhrgabjyoti Saikia, Dr. A. Karunamurthy	978-93-5823-455-8	Books clinic Publishing
6	Integration of Higher EducationPathway using	Dr. Revathi. R, Dr. A. Karunamurthy	978-93-5823-455-8	Books clinic Publishing

#### Patent

S.N o	Name of the Applicant	Name of the Inventor (s)	Title	Applicatio n No. &	Countr y	Current Status
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	(s)			Patent Filed Date		
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	-	Aritifical Intelligence and Machine Learning
3	Bitcoin and Cryptocurrency Technology	Dr.Sanjeev kumar Mandal Dr.Sanjay B.waykar Dr.A.Ramalingam Rajadurai Narayananmurthy	ISBN NO-13:978-93-95-331-23-4 ISBN-10:9395331232,	RK publication	-	Bitcoin and Cryptocurrency Technology
4	An Investigation on Diabetes Using Multi-Layer Perceptron	J. Surendharan, A. Karunamurthy, R. Praveena, K. Shebagadevi	ISBN:9781774914717	AAP	-	An Investigation on Diabetes Using Multi-Layer Perceptron

## 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.	ANUSUYA M	FINANCIAL SOFTWARE & SYSTEMS, CHENNAI	6 Months	04.02.2023	04.08.2023
2.	DEVIPRIYA V	FINANCIAL SOFTWARE & SYSTEMS, CHENNAI	6 Months	04.02.2023	04.08.2023
3.	DHARSHINI S	FINANCIAL SOFTWARE & SYSTEMS, CHENNAI	6 Months	04.02.2023	04.08.2023
4.	EDWARD KEVIN A	FINANCIAL SOFTWARE & SYSTEMS, CHENNAI	6 Months	04.02.2023	04.08.2023
5.	SIVAGAMI S	FINANCIAL SOFTWARE & SYSTEMS, CHENNAI	6 Months	04.02.2023	04.08.2023
6.	SHAHITHYA J	FINANCIAL SOFTWARE & SYSTEMS, CHENNAI	6 Months	04.02.2023	04.08.2023
7.	YUVARAJ M	FINANCIAL SOFTWARE & SYSTEMS, CHENNAI	6 Months	04.02.2023	04.08.2023

8.	HEMA S	FINANCIAL SOFTWARE & SYSTEMS, CHENNAI	6 Months	04.02.2023	04.08.2023
9.	PRIYA DHARSHINI V	FINANCIAL SOFTWARE & SYSTEMS, CHENNAI	6 Months	04.02.2023	04.08.2023
10	MOHAMED FARIDH M	FINANCIAL SOFTWARE & SYSTEMS, CHENNAI	6 Months	04.02.2023	04.08.2023
11	KEERTHIKA B	HATTUSA IT SOLUTION, PUDUCHERRY	6 Months	28.12.2022	28.06.2023
12	KRISHNAKUMAR K	HATTUSA IT SOLUTION, PUDUCHERRY	6 Months	28.12.2022	28.06.2023
13	MANOJ KUMAR P	HATTUSA IT SOLUTION, PUDUCHERRY	6 Months	28.12.2022	28.06.2023
14	PALANISHANKAR E	HATTUSA IT SOLUTION, PUDUCHERRY	6 Months	28.12.2022	28.06.2023
15	RAJASHREE M	HATTUSA IT SOLUTION, PUDUCHERRY	6 Months	28.12.2022	28.06.2023
16	SUBITSHA B	HATTUSA IT SOLUTION, PUDUCHERRY	6 Months	28.12.2022	28.06.2023
17	ERAIARASAN A	ZOHO, CHENNAI	6 Months	22.09.2022	22.03.2023
18	MUTHAMIZH M	ZOHO, CHENNAI	6 Months	22.09.2022	22.03.2023
19	Vishwa Alias Survesvar M	COGNIZANT TECHNOLOGY SOLUTIONS, CHENNAI	6 Months	30.09.2022	30.03.2023
20	ERAIARASAN A	COGNIZANT TECHNOLOGY SOLUTIONS, CHENNAI	6 Months	30.09.2022	30.03.2023
21	MANJU V	COGNIZANT TECHNOLOGY SOLUTIONS, CHENNAI	6 Months	30.09.2022	30.03.2023
22	Regina E	COGNIZANT TECHNOLOGY SOLUTIONS, CHENNAI	6 Months	30.09.2022	30.03.2023
23	SNEGA T	COGNIZANT TECHNOLOGY SOLUTIONS, CHENNAI	6 Months	30.09.2022	30.03.2023
24	POTHYESWARI G	COGNIZANT TECHNOLOGY SOLUTIONS, CHENNAI	6 Months	30.09.2022	30.03.2023

## 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
	NILS			

## SECTION – VII: STUDENT PROGRESSION

Number of Students Placed	66
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.	LAWRENCE BRITTO V	TCS	3.36 Lakhs
2.	Yuvaraj M	TCS Digital	7.3 Lakhs
3.	Yuvaraj M	TCS Ninja	3.36 Lakhs
4.	Lakshmi C	TCS	3.36 Lakhs
5.	SOUNDARYA. D	TCS	3.36 Lakhs
6.	JANANE.S	TCS	3.36 Lakhs
7.	THINESHKUMAR. S	TCS	3.36 Lakhs
8.	THENMOZHI V	TCS	3.36 Lakhs
9.	HARIPRIYA N	TCS	3.36 Lakhs
10.	PAVITHRA B	TCS	3.36 Lakhs
11.	ERAIARASAN A	ZOHO	6 Lakhs
12.	Vishwa Alias Survesvar M	CTS (GENC)	4 Lakhs
13.	ERAIARASAN A	CTS (Elevate)	4 Lakhs
14.	MANJU V	CTS (GENC)	4 Lakhs
15.	Regina E	CTS (GENC)	4 Lakhs
16.	SNEGA T	CTS (GENC)	4 Lakhs
17.	POTHYESWARI G	CTS (GENC)	4 Lakhs
18.	ANUSUYA M	FSS	4 Lakhs
19.	DEVIPRIYA V	FSS	4 Lakhs
20.	DHARSHINI S	FSS	4 Lakhs
21.	EDWARD KEVIN A	FSS	4 Lakhs
22.	SIVAGAMI S	FSS	4 Lakhs
23.	SHAHITHYA J	FSS	4 Lakhs

24.	YUVARAJ M	FSS	4 Lakhs
25.	HEMA S	FSS	4 Lakhs
26.	PRIYA DHARSHINI V	FSS	4 Lakhs
27.	MOHAMED FARIDH M	FSS	4 Lakhs
28.	KEERTHIKA B	Hattussa	1.4 lakhs
29.	KRISHNAKUMAR K	Hattussa	1.4 lakhs
30.	MANOJ KUMAR P	Hattussa	1.4 lakhs
31.	PALANISHANKAR E	Hattussa	1.4 lakhs
32.	RAJASHREE M	Hattussa	1.4 lakhs
33.	SUBITSHA B	Hattussa	1.4 lakhs
34.	ANANDHARAMAN R	Integra	3.5 Lakhs
35.	DHEEBA A	Integra	3.5 Lakhs
36.	MUTHAMIZH M	Integra	3.5 Lakhs
37.	SURIYA D	Integra	3.5 Lakhs
38.	VIGNESHWAR V	Integra	3.5 Lakhs
39.	SYED ABUTHAKIR A	Integra	1.8 Lakhs
40.	PRAVEEN RAJ N	Integra	1.8 Lakhs
41.	ASVINTHRAJ T	Integra	1.8 Lakhs
42.	PRAVEEN M	Integra	1.8 Lakhs
43.	SRIRAM R	Integra	1.8 Lakhs
44.	MUHAMMAD MAZIN MARICAN	Integra	1.8 Lakhs
45.	SAKTHIVEL P	Integra	1.8 Lakhs
46.	NIVEDA A	Integra	1.8 Lakhs
47.	SUNALI S	Integra	1.8 Lakhs
48.	SHARA BANU S	Integra	1.8 Lakhs
49.	RUTHRI N	Integra	1.8 Lakhs
50.	HEMA S	Integra	1.8 Lakhs
51.	PRATHIBA M	Integra	1.8 Lakhs
52.	SUBASHINI K	Integra	1.8 Lakhs
53.	RAJALAKSHMI S	Integra	1.8 Lakhs
54.	SRIRAM R	Justdial	2.5-3.0 Lakhs
55.	AJAY RAKESH T A M	Justdial	2.5-3.0 Lakhs
56.	RAJKUMAR G	Justdial	2.5-3.0 Lakhs
57.	ELAVARASAN K	Justdial	2.5-3.0 Lakhs
58.	MANO BERTIN A	Justdial	2.5-3.0 Lakhs
59.	ARULARASAN V	Justdial	2.5-3.0 Lakhs
60.	MANO BERTIN A	LSE	2.6 Lakhs
61.	SYED ABUTHAKIR A	LSE	2.6 Lakhs
62.	RAJALAKSHMI S	LSE	2.6 Lakhs
63.	SARUMATHI S	LSE	2.6 Lakhs
64.	HEMA S	LSE	2.6 Lakhs
65.	ANANDHARAMAN R	Kumaian Systems	2.5 Lakhs
66.	MUTHAMIZH M	Kumaian Systems	2.5 Lakhs

## 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
1	Vishwa@Surveshwar. M	Paper Presentation	School Of Engineering- Simats-Phronesis- 2022	II Prize
2	Karthik Sree .S	Push up Challange	Podicherry Engineering College- Rejouir'23	I Prize
3	Aruna.I	Poster Drawing	Sri Manakula Vinayagar Engineering College- Women's Day Celebration	I Prize
4	Badhri Narayanan.s & Kalidas	Bugbot	Sri Manakula Vinayagar Engineering College- Second Southern Regional Conclave of students' Chapter	I prize Cash 1500
5	Kiruthivasan.R	Tech Quiz	Chirst College of Engineering and Technology -Bizmet 2023	I Prize
6	Yuvalakshmi.D	Tech Quiz	Chirst College of Engineering and Technology- Bizmet 2023	I 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

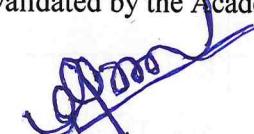
S.No	Name of the Faculty	Name of Awards / Recognition
1	Dr.A.Ramalingam	Best Teacher
2	Mr.R.Ramakrishnan	Best Teacher

**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	Wireless Networks :5G and Beyond	SRM Institute of science and Technology	01.02.23 and 02.02.23
2	Mr.R.Ramakrishnan	Wireless Networks :5G and Beyond	SRM Institute of science and Technology	01.02.23 and 02.02.23
3	Mrs.M.Vasuki	Wireless Networks :5G and Beyond	SRM Institute of science and Technology	01.02.23 and 02.02.23
4	Dr.T.Amalraj Victoire	Wireless Networks :5G and Beyond	SRM Institute of science and Technology	01.02.23 and 02.02.23
5	Dr. A. Karunamurthy	Policy initiatives and quality enhancement in higher education	ACT Academy Tamil Nadu Association with Academic and Research	27.03.23 to 01.04.23
6	Dr. A. Karunamurthy	Artificial intelligent and machine learning	Sri Ranganathar Institute of Engineering and Technology	20.02.23 to 24.02.23
7	Dr. A. Karunamurthy	Participative experiential and collaborative learning methods in higher education	Arasu College of Arts and Science for Women,karur	06.03.23 to 07.03.23

**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	-
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	Need initiation by faculty to get more industry projects
Student Progression	-
Activity Conducted / Organized by the Department	-
Achievements	Need documentary evidences on receiving of awards /recognition
General Remarks	-

**Signature of the Internal Academic Audit Experts**



Dr. A.G. Ganeshkumar

Professor

Department of Mechanical Engineering,  
SMVEC



Dr. A. Jayachitra

Associate Professor

Department of Electronics & Communication  
Engineering, 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**

## **DEPARTMENT OF MANAGEMENT STUDIES**





**ACADEMIC AND ADMINISTRATIVE AUDIT**

(Academic Year 2022-2023)

Internal Audit

**SECTION –1: BASIC INFORMATION**

Audit Date	26/06/2023									
Name of the Department	Master of Business Administration									
Year of Establishment	2005									
Programs Offered	<table border="1"> <thead> <tr> <th>Name of the Program</th> <th>Approved Intake</th> </tr> </thead> <tbody> <tr> <td>MBA</td> <td>180</td> </tr> <tr> <td>Ph.D.</td> <td>4</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>		Name of the Program	Approved Intake	MBA	180	Ph.D.	4		
Name of the Program	Approved Intake									
MBA	180									
Ph.D.	4									
Head of the Department	Dr.N.S.N. Cailassame									
Number of full time Teachers	Professor	03								
	Associate Professor	03								
	Assistant Professor	18								
Number of Technical Staff										
Number of Students	<p>MBA</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Strength</th> </tr> </thead> <tbody> <tr> <td>First Year</td> <td>180</td> </tr> <tr> <td>Second Year</td> <td>181</td> </tr> <tr> <td>Total</td> <td>361</td> </tr> </tbody> </table>		Year	Strength	First Year	180	Second Year	181	Total	361
Year	Strength									
First Year	180									
Second Year	181									
Total	361									
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.CAILASSAME	Member	MBA	I&II/II & IV
3	Dr.POUGAJENDY	Member	MBA	I&II/II & IV
4	Dr.ELAMURUGAN	Member	CSBS	III/IV
5	Dr.SIVAKUMAR	Member	AIDS	II/IV
6	Dr.VINOTH	Member	MBA	I&II/II & IV
7	Mr.T.CHANDRAMOHAN	Member	FT	II/IV
8	Mr.ANBARASAN	Member	MBA	I&II/II & IV
9	Ms.VISALAKSHI	Member	MBA	I&II/II & IV
10	JANAKIRAMA	Member	MBA	I&II/II & IV
11	Mr.MATHIAZHAGAN	Member	MBA	I&II/II & IV

**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
<b>Applied Elective</b>				
1	II/III	Finance Analytics	P20MST303	88
2	II/III	HR Analytics	P20MST304	80
3	II/III	Marketing Analytics	P20MST305	13
<b>Functional Elective</b>				
1	II/III	Financial Services Management	P20MSEF02	125
2	II/III	Integrated Marketing Communications	P20MSEM05	28
3	II/III	Data Mining and Analytics	P20MSES04	28
4	II/III	Training And Development	P20MSEH02	181
5	II/III	Industrial Relations and Labour Legislation	P20MSEH03	181
6	II/III	Financial Services Management	P20MSEF02	125
7	II/III	Integrated Marketing Communications	P20MSEM05	28

**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	Career Readiness	P20MSP307	181
2	II/III	Selling and Negotiation Skills	P20MSP308	181
3	I/I	Business Communication Lab	P20MSP108	180
4	I/I	Data Analytics Lab	P20MSP109	180

**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	P20MSC01	180
2	II/III	Data Science Using R	P20MSC03	180

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.Vinod	40	40	41
29	Organizational Behavior/P20MST101	Mr.G.Venkatesan	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	Ms.C.Sasikala	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	Ms.C.Sasikala	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	Dr.J.Manimagalai	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 Course for which ICT used	Name of the Faculty	ICT Tool / Technique Used
1	Business Statistics-P20MST105	Dr. N.S.N. Cailassame	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
2	Accounting for Management-P20MST102	Mr.G.Venkatesan	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
3	Data Mining and Analytics-P20MSES04	Dr.G. Bala Sendhil Kumar	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc

**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
			<b>NIL</b>	

**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	Mr.G. Venkatesan	40	40	42
4	Social Immersion project- P20MSP110	Mr.G. Venkatesan	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
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.Jeeja	40	40	43
24	Financial Services and Management-P20MSEF02	Ms. S. Visalakshi	40	40	40

4	Data Analytics Lab-P20MST109	Dr.G. Bala Sendhil Kumar	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
5	Business Law-P20MST104	Dr.S.Pougajendy	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
6	Data Analytics Lab-P20MST109	Dr.S.Pougajendy	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
7	Consumer Behaviour - P20MSEM02	Dr.L.Kavitha	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
8	Corporate Ethics and Social Responsibility-P20MST107	Dr.L.Kavitha	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
9	HR Analytics- P20MST304	Dr.B.Elamurugan	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
10	Economics for Business Decisions-P20MST103	Dr.B.Elamurugan	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
11	Finance Analytics-P20MST303	Dr.S.Uma	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
12	Accounting for Management- P20MST102	Dr.S.Uma	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
13	Business Policy and Strategic Management- P20MST301	Dr.R.Sivakumar	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
14	Business Policy and Strategic Management- P20MST301	Dr.R.Sivakumar	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
15	Data Analytics Lab-P20MST109	Dr.R.Sivakumar	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
16	Business Statistics-P20MST105	Mr.T.Chandramohan	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
17	Integrated Marketing Communications- P20MSEM05	Mr.T.Chandramohan	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
18	Accounting for Management- P20MST102	Ms. S. Visalakshi	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
19	Indian Financial System- P20MSEF03	Ms.S.Jeeja	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
20	Financial Services and Management-P20MSEF02	Ms. S. Visalakshi	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
21	Training and Development- P20MSEH02	Mr.A.Mathiazhagan	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
22	Organizational Behavior/P20MST101	Mr.A.Mathiazhagan	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
23	Major Project	Mr.A.Mathiazhagan	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
24	Economics for Business Decisions-P20MST103	Dr.A.Vinoth	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc

25	Organizational Behavior/P20MST101	Mr.G.Venkatesan	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
26	Business Law-P20MST104	Ms. R. Kumuthavalli Revathy	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
27	Business Law-P20MST104	Ms. R. Kumuthavalli Revathy	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
28	Information Systems for Managers-P20MST106	Ms. R. Kumuthavalli Revathy	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
29	Organizational Behavior- P20MST101	Ms.C.Sasikala	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
30	Corporate Ethics and Social Responsibility-P20MST107	Mr.R.Anbarasan	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
31	Entrepreneurship- P20MST302	Mr.R.Anbarasan	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
32	Marketing Analytics- P20MST305	Mr.R.Anbarasan	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
33	Entrepreneurship- P20MST302	Ms.S.Jaanaki Rama	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
34	Social Immersion project- P20MSP110	Ms.S.Jaanaki Rama	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
35	Business Statistics-P20MST105	Mrs.S.Sasi	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
36	Entrepreneurship- P20MST302	Ms.C.Sasikala	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
37	Finance Analytics-P20MST303	Mrs.S.Sasi	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
38	Economics for Business Decisions-P20MST103	Dr.A. Vinoth	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
39	Corporate Ethics and Social Responsibility-P20MST107	Mrs. P. Nithiya	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
40	Information Systems for Managers- P20MST106	Mrs. P. Nithiya	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
41	Indian Financial System- P20MSEF03	Dr.J.Manimegalai	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
42	Industrial Relations And Labour Legislation- P20MSEH03	Ms.Divya.M	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
43	Information Systems for Managers-P20MST106	Ms.Divya.M	NPTEL Videos, Video Lecture, You tube Videos,PPTs...etc
44	Business Policy and Strategic Management- P20MST301	Mr.Shanmuga Raja.A	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 Audiences
1	Data Analytics	Mr.Raju Data Analyst, Uber India, Bangalore	02-06-2022	181
2	Mutual Fund	Ms.Edwin Joshua, Registered Mutual fund distributor	05-07-2022	181
3	Operations of HR departments	Ms. Jeromi, Operations Manager	12-07-2022	181
4	Banking Operations	Mr Suresh Krishna HDFC Bank, Manager, Pondicherry	15-07-2022	181
5	Finance Job Opportunities	Mr.Gokul ,Maersk, Financial Analyst	05-08-2022	181
6	Puducherry CEO Talk series	Mr.B.Soundararajan, Co-Founder and Chairman, Suguna Foods	28-12-2022	175
7	Setting the goal & prioritze	Dr.A.Subrahmanyam Associate Professor GITAM University Visakhapatnam	05-01-2023	175
8	Digital Marketing	Mr. Kathikeyan T, Vice President,Mercy Group of companies, Chennai	07-01-2023	32
9	Digital Distribution and its Impacts	Mrs. G. Subbulakshmi, HR Executive, DiligentSquad Technologies Pvt.Ltd	06-04-2023	28
10	HR practice in corporate companies	Mr.Goutham Vasu HR, Infosis Chennai	28-04-2023	160

### 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	Accounting for Management- P20MST102	Mr.G.Venkatesan	Yes	5	Yes
3	Data Mining and Analytics- P20MSES04	Dr.G. Bala Sendhil Kumar	Yes	5	Yes
4	Data Analytics Lab- P20MST109	Dr.G. Bala Sendhil Kumar	Yes	5	Yes
5	Business Law-P20MST104	Dr.S.Pougajendy	Yes	5	Yes
6	Data Analytics Lab- P20MST109	Dr.S.Pougajendy	Yes	5	Yes
7	Consumer Behaviour - P20MSEM02	Dr.L.Kavitha	Yes	5	Yes
8	Corporate Ethics and Social Responsibility-P20MST107	Dr.L.Kavitha	Yes	5	Yes
9	HR Analytics- P20MST304	Dr.B.Elamurugan	Yes	5	Yes
10	Economics for Business Decisions-P20MST103	Dr.B.Elamurugan	Yes	5	Yes
11	Finance Analytics- P20MST303	Dr.S.Uma	Yes	5	Yes
12	Accounting for Management- P20MST102	Dr.S.Uma	Yes	5	Yes
13	Business Policy and Strategic Management- P20MST301	Dr.R.Sivakumar	Yes	5	Yes
14	Business Policy and Strategic Management- P20MST301	Dr.R.Sivakumar	Yes	5	Yes

15	Data Analytics Lab-P20MST109	Dr.R.Sivakumar	Yes	5	Yes
16	Business Statistics-P20MST105	Mr.T.Chandramohan	Yes	5	Yes
17	Integrated Marketing Communications-P20MSEM05	Mr.T.Chandramohan	Yes	5	Yes
18	Accounting for Management-P20MST102	Ms. S. Visalakshi	Yes	5	Yes
19	Indian Financial System-P20MSEF03	Ms.S.Jeeja	Yes	5	Yes
20	Financial Services and Management-P20MSEF02	Ms. S. Visalakshi	Yes	5	Yes
21	Training and Development-P20MSEH02	Mr.A.Mathiazhagan	Yes	5	Yes
22	Organizational Behavior/P20MST101	Mr.A.Mathiazhagan	Yes	5	Yes
23	Major Project	Mr.A.Mathiazhagan	Yes	5	Yes
24	Economics for Business Decisions-P20MST103	Dr.A.Vinoth	Yes	5	Yes
25	Organizational Behavior/P20MST101	Mr.G.Venkatesan	Yes	5	Yes
26	Business Law-P20MST104	Ms. R. Kumuthavalli Revathy	Yes	5	Yes
27	Business Law-P20MST104	Ms. R. Kumuthavalli Revathy	Yes	5	Yes
28	Information Systems for Managers-P20MST106	Ms. R. Kumuthavalli Revathy	Yes	5	Yes
29	Organizational Behavior-P20MST101	Ms.C.Sasikala	Yes	5	Yes
30	Corporate Ethics and Social Responsibility-P20MST107	Mr.R.Anbarasan	Yes	5	Yes
31	Entrepreneurship-P20MST302	Mr.R.Anbarasan	Yes	5	Yes
32	Marketing Analytics-P20MST305	Mr.R.Anbarasan	Yes	5	Yes
33	Entrepreneurship-P20MST302	Ms.S.Jaanaki Rama	Yes	5	Yes
34	Social Immersion project-P20MSP110	Ms.S.Jaanaki Rama	Yes	5	Yes
35	Business Statistics-P20MST105	Mrs.S.Sasi	Yes	5	Yes
36	Entrepreneurship-P20MST302	Ms.C.Sasikala	Yes	5	Yes
37	Finance Analytics-P20MST303	Mrs.S.Sasi	Yes	5	Yes
38	Economics for Business Decisions-P20MST103	Dr.A. Vinoth	Yes	5	Yes
39	Corporate Ethics and Social Responsibility-P20MST107	Mrs. P. Nithiya	Yes	5	Yes
40	Information Systems for Managers- P20MST106	Mrs. P. Nithiya	Yes	5	Yes
41	Indian Financial System-P20MSEF03	Dr.J.Manimegalai	Yes	5	Yes
42	Industrial Relations And Labour Legislation-P20MSEH03	Ms.Divya.M	Yes	5	Yes
43	Information Systems for Managers-P20MST106	Ms.Divya.M	Yes	5	Yes
44	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
361	24	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	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	Yes	

### 3.8 Student Performance in End Semester Examination

#### Semester – I SEM

Sr. No	Particular	MBA
1	Number of Students appeared	178
2	Number of All Clear Students	167
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	93%

#### SEM-III

Sr. No	Particular	MBA
1	Number of Students appeared	181
2	Number of All Clear Students	179
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	1
7	Passing Percentage	98.8%

#### 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 analyzed	Yes		
4	Alumni Feedback conducted and analyzed	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
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

###### 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 Factor
1	2022-23	E-Learners Preference in online courses	UGC Listed	Nil	Nil	Nil
2	2022-23	A study on the impact of cost control on profitability with reference to Sunbeam Generators Pvt.Ltd.Puducherry	UGC Listed	Nil	Nil	Nil
3	2022-23	A study on the performance of deposits and loans and its effects on the profitability with reference to the Pondicherry Co-operative Urban Bank	UGC Listed	Nil	Nil	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
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	Marketing Management (Book)	Ms.Jagrtiti Gupta, Dr.S.Pougajendy, Mr.Saumyabrata Nath,Dr.K.Latha	978-93-95978-17-0	Alpha International Publication (AIP)
2	Digital Farming a Crucial Enabler for Sustainable Indian Agriculture	Dr.B. Elamurugan	978-981-5049-26-8	Bentham Science is a science, technology, and medical 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.S.Pougajendy	Dr.S.Pougajendy	Customer satisfaction towards modern brands of clothing industry in India	202241057070 & Oct 22	India	Under process
2	Dr.S.Pougajendy	Dr.S.Pougajendy	Industrial ERP system over Block chain Technology	20221025755A& 8/7/22	India	Under process
3	Dr.S.Pougajendy	Dr.S.Pougajendy	Management Information system using Block chain Technology in E-Commerce Enterprise	202241025600A & 13/05/22	India	Published

### SECTION – VI: COLLABORATIONS AND LINKAGES

4	2022-23	A study on market potential for smart automation products with reference to Chemin C & I pvt ltd Puducherry	UGC Listed	Nil	Nil	Nil
5	2022-23	A study on Green HRM practices and its effect on environmental sustainability with reference to Goodman Pharmaceuticals Ltd	UGC Listed	Nil	Nil	Nil

#### Publication Details for Academic Year consider for Auditing

Number of Publication in National Journals	Nil
Number of Publication in International Journals	05
Number of Publication in National Conferences	Nil
Number of Publication in International Conferences	Nil
Number of Books / Book Chapters	2
Number of Patent (Filed)	03
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	E- Learners Preference in online courses	Dr.S.Pougajendy	International Journal of Innovative Research in Technology	Vol-9,Issue-4,PP -483-487,2022/2349-6002	UGC Listed Journal
2	A study on the impact of cost control on profitability with reference to Sunbeam Generators Pvt.Ltd.Puducherry	Dr.S.Pougajendy & Parveen Banu .S	International Journal of Creative Research Thoughts	Vol-11,Issue-2,PP -483-487,2023/2320-2882/	UGC Listed Journal
3	A study on the performance of deposits and loans and its effects on the profitability with reference to the pondicherry Co-opertive Urban Bank	Dr.S.Pougajendy & Felcy .S	International Journal of Creative Research Thoughts	Vol-11,Issue-2,PP -483-487,2023/2320-2882	UGC Listed Journal
4	A study on market potential for smart automation products with reference to Chemin C & I pvt ltd Puducherry	Anandhan.S & Dr.S.Pougajendy	International Journal of Creative Research Thoughts	Vol-11,Issue-2,PP -483-487,2023/2320-2882	UGC Listed Journal
5	A study on Green HRM practices and its effect on environmental sustainability with reference to Goodman Pharmaceuticals Ltd	Dr.S.Pougajendy & Meenarohini.M	International Journal of Creative Research Thoughts	Vol-11,Issue-2,PP -483-487,2023/2320-2882	UGC Listed Journal

## 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	Afrin Begam.M	Rane Madras Ltd.	30	9/30/2022	11/2/2022
2	Anjali Kumari A	Wipro	60	4/25/2022	6/25/2022
3	Arun.M	Whirpool	30	10/5/2022	11/6/2022
4	Balachandar M	Asian Paints	5	11/29/2022	12/3/2022
5	Balaji H	Wipro	60	4/25/2022	6/25/2022
6	Dharshini V	Appaswamy Associates	30	10/10/2022	11/9/2022
7	Gokulakrishnan.M	Tvs-Padi	30	10/27/2022	11/25/2022
8	Gurumoorthi N	Sbi-Reddiyarpalayam Branch	45	10/10/2022	11/24/2022
9	Haripreetha G	Vignesh Nison	10	1.10.2022	10.11.2022
10	Jayashree M	Ganges International Pvt. Ltd.	10	10/26/2022	11/5/2022
11	Mohanapriya. M	Hidesign Pvt.Ltd.	15	10/1/2022	10/15/2022
12	Monika.S	Eid Parry	23	10/6/2022	10/29/2022
13	Mukesh.A	Whirpool	30	10/5/2022	11/6/2022
14	Priadarshni. M	Wipro	60	4/25/2022	6/25/2022
15	Priyadarshini.M	Pondicherry Co-Operative Urban Bank	30	10/18/2022	11/18/2022
16	Ramyadevi.R	Pondicherry Co-Operative Urban Bank	31	10/18/2022	11/18/2022
17	Ruthra Kumar R	Pipdic	30	10/5/2022	11/6/2022
18	Sai Janani Yadav .G.V	Oriental Insurance Company Ltd.	17	10/10/2022	11/3/2022
19	Santhiya R	Hindustan Unilever Limited	30	10/10/2022	11/11/2022
20	Sarulatha D	Aditya Brila Mutual Fund	16	10/6/2022	10/28/2022
21	Sarumathi.J	Eaton-Setharapet Puducherry	30	10/6/2022	11/4/2022
22	Selvamani. J	Tvs-Kovkadu Puducherry	30	9/30/2022	10/31/2022
23	Surya N	Virtusa	90	7/14/2022	10/15/2022
24	Surya S N	Iob-Thavalakuppam Branch	14	10/6/2022	10/22/2022
25	Vetrivel B	Mahatma Gandhi National Council Of Rural Education	150	6/2/2022	11/2/2022
26	Vishnu Priya R	Iob-Thavalakuppam Branch	14	10/6/2022	10/22/2022
27	N.Aarthi	Bank Of Baroda	33	10/1/2022	11/2/2022
28	Abarna.S	Munsami&Co	10	10/7/2022	10/18/2022
29	Amarvathy.S	Twlight It Solution	30	10/1/2022	11/1/2022
30	Aswathi.C	Hindustan Unilever	8	10/20/2022	10/29/2022
31	Barathy.C	Lumina Datamatics	30	10/6/2022	11/4/2022
32	Felcy.S	Pondicherry Coopreative Urban Bank	30	10/18/2022	11/18/2022
33	Gayathri.C	Wipro Ltd	60	4/25/2022	6/25/2022
34	Guberan.C	Amcor	13	11/9/2022	11/21/2022
35	Hema.I	Sbi	28	10/13/2022	11/5/2022
36	Manobarathy	Sbi	15	11/4/2022	11/19/2022
37	J.Nishanthi	Primary Agri Cooperative Society	25	10/11/2022	11/4/2022
38	S.Nivedha	Puduavai Bharathiyar Grama Bank	22	10/14/2022	11/4/2022
39	Praveen Banu.S	Pondicherry Coopreative Urban Bank	10	11/8/2022	11/18/2022
40	Pavithra.C	Poclain Hydraulics	7	10/27/2022	11/2/2022

41	Rajasree.R	Central Cooperative Bank	15	10/12/2022	10/30/2022
42	Rinthiga.S	Super Auto Forge	27	10/7/2022	11/3/2022
43	K.A Sakthi Priya	Lucas Tvs	15	10/8/2022	11/21/2022
44	Samitha.D	Central Cooperative Bank	15	10/10/2022	10/25/2022
45	V Sanjeth	Pipdic	30	10/5/2022	11/5/2022
46	Santhanalakshmi.R	Pipdic	30	10/5/2022	11/5/2022
47	Santhosh Balaji.R	Rajashree Sugar&Chemical	15	10/12/2022	10/26/2022
48	Sharukhan.S	Pccsb,Wipro	60	4/25/2022	6/25/2022
49	Siamala Devi.R	Lucas Tvs	15	10/8/2022	11/21/2022
50	Subashree.D	Manatec	30	10/7/2022	11/8/2022
51	Susai Raj.E	Manatec	30	10/7/2022	11/8/2022
52	B.Bakkhya	Sbi	30	10.10.2022	11.11.2022
53	A.Gayathri	Royal Enfield	30	19.10.2022	18.11.2022
54	S.R.Gayathri	Supreme Industries	31	01.10.2022	31.11.2022
55	V.Jayashree	Clenefab Alkalic	13	04.08.2022	18.08.2022
56	S.Kavyarasi	Auditor Office (Vpm)	10	07.11.2022	18.11.2022
57	M.Madhumitha	Clenefab Alkalic	13	04.08.2022	18.08.2022
58	S.Madhumitha	Indian Bank	30	17.10.2022	18.11.2022
59	V.Madhumitha	Indian Bank	30	17.10.2022	18.11.2022
60	E.Palanivelu	Whirlpool	30	05.10.2022	06.11.2022
61	A.Sivabharathi	Nextgen Solution	15	06.11.2022	25.11.2022
62	S.Sujatha	Nextgen Solution	15	06.11.2022	25.11.2022
63	V.Sunanthaa	Clenefab Alkalic	30	18.10.2022	17.11.2022
64	M.Swarnakalyan	Sharekhan Company Limited	26	13.10.2022	.7.11.2022
65	R.Tharani	Indian Overseas Bank (Lawspet)	13	13.10.2022	29.10.2022
66	P.Vidya	Auditor Office (Vpm)	10	07.11.2022	18.11.2022

## 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
1	SEA Blue Shipyard Limited, Puthuvype, Kochi, Kerala-682508.	23/06/23	MD & Shipyard Workers	150

## 6.4 Functional Memorandum of Understanding (MoU)

S.No	Name of the Industry / Company / Research Institute	Date of Commencement	Purpose	Duration
1	PDY HR Circle		Enhancing Industry-Academia Linkages, Curriculum Development and Innovation, Organizing Joint Seminars and Knowledge Sharing Events..etc	3 Year
2	CII Puducherry Chapter			1 Year

## 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
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 / Student Club)	Date of Event	Level (State / National / International)	No. of Participants
1	Research Methodology	Dr.Kasilingam,Professor, Department of Management studies, Pondicherry University	08.08.2022	State	192
2	How to impress Angel Investors	Mr.Rohit Jhunjhunwala Senior Manager- Investment The Chennai Angels	05-01-2023	State	350

### 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	Personal Finance	Department of Management Studies	04/05/2023	State	210

## SECTION – IX: ACHIEVEMENTS

### 9.1 Awards and Prizes Received by Students

Sl.No	Name of the Student	Event Name / Details	Organized by	Achievement / Position / Prizes
1	Lakshmi Narayanan.R	Tamilnadu T20 Cricket Championship	State	Runner (First prize)
2	Lakshmi Narayanan.R	All India T20 Cricket Championship	National	Winner (First prize)
3	Lakshmi Narayanan.R	Indo-Nepal T20 Cricket Championship	International	Winner (First prize)
4	Sujatha.S	Best Manager	Inter University	Second Prize
5	SivaBharathi.A	Business Plan	Inter University	Second Prize
6	Kiruthika.K.A	Business Plan	Inter University	Second Prize
7	Devi.J	Business Plan	Inter University	Second Prize
8	Varsha.S	Business Plan	Inter University	Second Prize
9	SivaBharathi.A	Corporate Walk	Inter University	Participation
10	Kiruthika.K.A	Corporate Walk	Inter University	Participation
11	Devi.J	Corporate Walk	Inter University	Participation
12	Varsha.S	Corporate Walk	Inter University	Participation
13	Lakshmi Narayanan.R	Treasure Hunt	Inter University	First prize
14	SubhaSri.D	Treasure Hunt	Inter University	First prize
15	ManoBharathi.J	Treasure Hunt	Inter University	First prize
16	Anandhan.S	AdZap	Inter University	Second Prize
17	Vishwa.P	AdZap	Inter University	Second Prize
18	Varsha.S	Best Manager	Inter University	Second Prize
19	Sujatha.S	Business Plan	Inter University	Second Prize
20	Kiran.J	Quiz	Inter University	Participation
21	Vasanth.T	Quiz	Inter University	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	Dr.N.S.N . Caillasame	PDY HR Circle
2	Dr.N.S.N . Caillasame	CII Puducherry Chapter

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

S.No	Name of the Faculty	Name of Editorial Boards / Conferences
1	Dr. Bala Sendhil Kumar G.	Universal Journal of Industrial and Business Management, ISSN: 2332-3310 (Print), ISSN: 2332-3329 (Online) Horizon Research Publishing (HRPUB), USA August 2014 Onwards
2	Dr. Bala Sendhil Kumar G.	International Journal Business and Finance Management Research, ISSN: 2053-1842 BluePen Journals Limited, UK June 2014 Onwards
3	Dr. Bala Sendhil Kumar G.	American Journal of Management Science and Engineering(AJMSE), ISSN Print: 2575-193X ISSN Online: 2575-1379 Science Publishing Group, USA November 2020 Onwards

**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	Mr.A.Mathiazhgan	State Level Best Speaker 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	Dr.S. Pougajendy	National Level FDP On Research Methodology	Sri Kanyaka Parameswari Arts & Science College for Women-Chennai	5 Days
2	Dr.S.Pougajendy	FDP on Advanced methodology for research and quality publication	New Prince Shri Bhavani Arts and Science College	5 Days
3	R. Anbarasan	National Level FDP On Research Methodology	Sri Kanyaka Parameswari Arts & Science College for Women-Chennai	5 Days
4	G.Ramya	National Level FDP On Research Methodology	Sri Kanyaka Parameswari Arts & Science College for Women-Chennai	5 Days
5	Dr.S.Uma	The Fundamentals of Digital Marketing(Short term Courses)	Europ Academy -European Open University	1 Day
6	Ms.Visalakshi	The Fundamentals of Digital Marketing(Short term Courses)	Europ Academy -European Open University	1 Day
7	Deepa Selvam	The Fundamentals of Digital Marketing(Short term Courses)	Europ Academy -European Open University	1 Day
8	Dr.S.Uma	Bank Management(Short term course)	Europ Academy -European Open University	1 Day
9	Dr.S.Uma	Employee Engagement(Short term Course)	Europ Academy -European Open University	1 Day
10	Deepa Selvam	Benchmarking(Short term Course)	Europ Academy -European Open University	1 Day
11	R. Anbarasan	Research Guidelines - Literature Review, Questionnaire Designing and Application of Statistical Tools	Sivananda Sarma Memorial R.V. College	3days
12	R. Anbarasan	Digital Business Transformation	Arab Open University - Oman	1 Day
13	R. Anbarasan	Hallway Biz' 23	Dwaraka Doss Goverdhan Doss Vaishnav College	5Days
14	R. Anbarasan	How to Catch Fake Journals	Birla Institute of Technology	1 Day
15	R. Anbarasan	Global Marketing Management	IIT - Roorkee	NPTEL-4Months
16	Dr.S.Pougajendy	Digital Business Transformation	Arab Open University - Oman	1 Day
18	Dr.S.Pougajendy	Consumer Behaviour	IIT - Kharagpur	NPTEL-4Months

**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

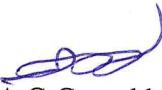


**Recommendations:**

22/06/2018

Section	Remarks
Curricular Aspects	--
Teaching, Learning and Evaluation	--
Structured Feedback	--
Research, Innovation and Publications	Need more concentration on it.
Collaborations and Linkages	--
Student Progression	There is no any data available.
Activity Conducted / Organized by the Department	--
Achievements	Need to produce hard copy of all the certificates
General Remarks	--

**Signature of the Internal Academic Audit Experts**

  
Dr. A.G. Ganeshkumar  
Professor  
Department of Mechanical Engineering,  
SMVEC

  
Dr. A. Jayachitra  
Associate Professor  
Department of Electronics & Communication  
Engineering, SMVEC





**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  
NON COMPLIANCE - REPORT**

**ACADEMIC YEAR 2022-2023**





SMVEC / IQAC / INT / AAA/ 2022-23 /01

25-01-2023

**NON-CONFORMANCES IN AAA**

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 / 23 dated 03-01-2023

\*\*\*\*\*

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 19<sup>th</sup> January 2023.

The following non-conformances were observed during the audit.

<b>Section No.</b>	<b>Particulars</b>	<b>Remarks Given</b>
<b>SECTION – II: CURRICULAR ASPECTS</b>		
2.7	List of Mandatory Courses offered by the department	Supporting Documents need to be maintained for Physical Education
<b>SECTION – III: TEACHING, LEARNING AND EVALUATIONS</b>		
3.3	List of Expert Lectures / Workshop Conducted	Need to arrange more workshops.
<b>SECTION – IX: ACHIEVEMENTS</b>		
9.5	Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level	Faculty participation in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences has to 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 February 23, 2023

Thanking You  
Yours Truly

Dr.AA. Arivalagar  
IQAC Coordinator





**SRI MANAKULA VINAYAGAR  
ENGINEERING COLLEGE**

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Puducherry - 605 107



**INTERNAL QUALITY ASSURANCE CELL**

SMVEC / IQAC / INT / AAA/ 2022-23 /01

25-01-2023

**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 / 23 dated 03-1-2023

\*\*\*\*\*

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 19 January 2023  
The following non-conformance was observed during the audit.

<b>Secti on No.</b>	<b>Particular</b>	<b>Remarks</b>
1	Curricular Aspects	All relevant documents are verified
2	Teaching, Learning and Evaluation	Supporting documents for Certificate Courses and Mandatory Courses to be provided
3	Structured Feedback	All relevant documents are verified
4	Research, Innovation and Publications	Need improvement
5	Collaborations and Linkages	Need improvement
6	Student Progression	All relevant documents are verified
7	Activity Conducted / Organized by the Department	Club activities can be increased
8	Achievements	All relevant documents are verified
		Most of the documents are available 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 February 23, 2022

Thanking You  
Yours Truly

Dr.AA. Arivalagar  
IQAC Coordinator





## SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

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Puducherry - 605 107



## INTERNAL QUALITY ASSURANCE CELL

SMVEC / IQAC / INT / AAA/ 2022-23 /01

25-01-2023

### NON-CONFORMANCES IN AAA

To  
**The Head of the Department**  
Department of Computer Science and 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 / 23

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An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 19<sup>th</sup> January 2023. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>		
6.4	Functional Memorandum of Understanding (MoU)	Need to focus on functional MoU's.
<b>SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT</b>		
8.1	Technical Event / Workshop for Student	Need a minimum of 2 programme per year
8.2	FDP /Workshop / STTP / Conference for Faculty	
<b>SECTION – IX: ACHIEVEMENTS</b>		
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	

9.3	Details of Faculty Appointed / Nominated on Editorial Boards /Reviewers	Needs encouragement for faculty to participate in events organized outside the institution
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 February 23, 2023

Thanking You  
Yours Truly

  
Dr.AA. Arivalagar  
IQAC Coordinator



SMVEC / IQAC / INT/ AAA/ 2022-23 /01

25-01-2023

**NON-CONFORMANCES IN AAA**

To  
**The Head of the Department**  
Department of Information 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 03-01-2023

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An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 19<sup>th</sup> January 2023. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>		
5.1	Research grants, Projects completed and on-going from various funding agencies	Priority to be given for Funding Projects
5.3.7	Number of Patents Granted	Importance to be given for Grant Patent
<b>SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT</b>		
8.1	Technical Event / Workshop for Student	A minimum of 2 programme per semester to be conducted

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before 23<sup>rd</sup> February 2023.

Thanking You  
Yours Truly

Dr.A.A. Arivalagar  
IQAC Coordinator

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SMVEC / IQAC/INT/AAA/ 2022-23 /03

25-01-2023

**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 / 03 / CIRCULAR / 23 dated 03-01-2023

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An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 19<sup>th</sup> January 2023. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
<b>SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS</b>		
5.3	Faculty Publications	Publication count need to be increased
<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>		
6.2	Sponsored / Industry Projects	Sponsored or Industry Projects count need to be increased
<b>SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT</b>		
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 February 23, 2023

Thanking You  
Yours Truly

Dr.AA. Arivalagar  
IQAC Coordinator





SMVEC / IQAC / INT / AAA/ 2022-23 /01

25-01-2023

**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 / 23 dated 3-01-2023

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An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 19<sup>th</sup> January 2023. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>		
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	Require more focus and attention in research for receiving funds
<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>		
6.2	Sponsored / Industry Projects	Need more attention for more exposure in the industrial requirements

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before February 23, 2023

Thanking You  
Yours Truly

Dr. AA. Arivalagar  
IQAC Coordinator





SMVEC / IQAC/INT/AAA/ 2022-23 /03

25-01-2023

**NON-CONFORMANCES IN AAA**

To

**The Head of the Department**

Department of Civil 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 / 03 / CIRCULAR / 23 dated 03-01-2023**

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An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 19<sup>th</sup> January 2023. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
<b>SECTION – II: CURRICULAR ASPECTS</b>		
2.1	Academic Plan (Elective choices from the Students)	For Professional and Elective choice a detailed break up of student choice to be made available
<b>SECTION – III: TEACHING, LEARNING AND EVALUATION</b>		
3.1	Course Delivery	Sample viva questions can be given for each experiments so students can be able to understand better on the concepts
<b>SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS</b>		
5.3	Faculty Publications	Publication on International conference to be improved
5.4	Placement	Placement in core company to be improved

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before February 23, 2023

Thanking You

Yours Truly

  
Dr. AA. Arivalagar  
IQAC Coordinator





SMVEC / IQAC/INT/AAA/ 2022-23 /03

25-01-2023

**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 / 03 / CIRCULAR / 23 dated 03-01-2023

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An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 20<sup>th</sup> January 2023. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>		
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	Need to initiate to get Funding Agencies
5.2	Consultancy Works	Need to initiate to get Consultancy Works
5.3	Patent	Focus on work to get Patent in Future.
<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>		
6.2	Sponsored / Industry Projects	Industry and sponsored projects need to be encouraged
<b>SECTION – VII: STUDENT PROGRESSION</b>		
7.1	Placement	Need to improve the placement

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before February 23, 2023

Thanking You  
Yours Truly

Dr.A.A. Arivalagar  
IQAC Coordinator

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SMVEC / IQAC/INT/ AAA / 2022-23 / 03

25-01-2023

**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 / 03 / CIRCULAR / 23 dated 03-01-2023

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An Academic and Administrative Audit (AAA) was conducted by the External Expert Members nominated by IQAC for the Academic Year 2021-22 in your department on 20<sup>th</sup> January 2022. The following non-conformances were observed during the audit.

<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>		
5.3	Number of Books / Book Chapters	Need to publish books / book chapters

<b>SECTION – IX: ACHIEVEMENTS</b>		
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 February 23, 2022.

Thanking You

Yours Truly

Dr. AA. Arivalagar  
IQAC Coordinator





SMVEC / IQAC/INT/AAA/ 2022-23 /03

25-01-2023

**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 / 03 / CIRCULAR / 23 dated 03-01-2023**

\*\*\*\*\*

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 20<sup>th</sup> January 2023. The following non-conformances were observed during the audit.

<b>Section No.</b>	<b>Particular</b>	<b>Remarks</b>
<b>SECTION –3: TEACHING, LEARNING AND EVALUATION</b>		
3.4	Activities for Slow and Advanced Learners	<b>Slow learners follow up need to be documented in Assessment book to have a clear track record of students.</b>
<b>SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT</b>		
8.2	FDP /Workshop / STTP / Conference for Faculty	<b>Need to organize a minimum of 2 programme per year</b>

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before February 23, 2023

Thanking You  
Yours Truly

Dr.AA. Arivalagar  
IQAC Coordinator





## SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

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Puducherry - 605 107



## INTERNAL QUALITY ASSURANCE CELL

SMVEC / IQAC/INT/AAA/ 2022-23 /03

25-01-2023

### 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 / 03 / CIRCULAR / 23 dated 03-01-2023**

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An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 20<sup>th</sup> January 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
3.3	List of Expert Lectures / Workshop Conducted	Need to conduct more Expert Lectures / workshop

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before February 23, 2023

Thanking You  
Yours Truly,

Dr. AA. Arivalagar  
IQAC Coordinator





**SRI MANAKULA VINAYAGAR  
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Puducherry - 605 107



**INTERNAL QUALITY ASSURANCE CELL**

SMVEC / IQAC /INT/ AAA/ 2022-23 /01

25-01-2023

**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 / 23 dated 31-01-2023**

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An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 20<sup>th</sup> January 2023. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>		
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	Need to concentrate on R &D for research oriented projects to get funding from external agencies, publish paper in reputed journals and Books.
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	
<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>		
6.4	Functional Memorandum of Understanding (MoU)	MoU to be signed with reputed organization for better placements, internship etc.,

### SECTION - IX: ACHIEVEMENTS

9.2	Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies	Faculty need to participate in various professional bodies and receive awards to their credit. Supporting documents need to be evidenced on the achievements a faculty has obtained.
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You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before February 23, 2023.

Thanking You

Yours Truly

  
Dr.AA. Arivalagar  
IQAC Coordinator



SMVEC / IQAC /02 / AAA/ 2022-23 /01

25-01-2023

**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 03-01-2023**

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An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 19<sup>th</sup> January 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
<b>SECTION – 2 : CURRICULAR ASPECTS</b>		
2.1	<b>Academic Plan</b>	
2.1.2	Faculty Subject Preferences	
2.1.3	Elective choices from the Students	
2.1.4	Course allotment to the Faculty	Document evidences for preference, allotment of courses to faculty and electives chosen by students needs proper documentation and recorded for traceability
<b>SECTION – IV : STRUCTURED FEEDBACK</b>		
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
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>		
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	<b>MoU's to be signed for better linkages and collaboration with industry and they must be functional.</b>
6.4	Functional Memorandum of Understanding (MoU)	

#### SECTION – IX: ACHIEVEMENTS

9.1	Awards and Prizes Received by Students	<b>Need initiation by faculty and students for active participation in various professional societies and get recognition through those societies/ bodies.</b>
9.2	Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level 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 February 23, 2023.

Thanking You  
Yours Truly

  
Dr. AA. Arivalagar  
IQAC Coordinator



## SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

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Puducherry - 605 107



## INTERNAL QUALITY ASSURANCE CELL

SMVEC / IQAC / INT / AAA / 2022-23 / 01

25-01-2023

### 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 / 23 dated 03-01-2023**

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An Academic and Administrative Audit (AAA) were conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your school on 11<sup>th</sup> March 2022. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>		
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	<b>Need to concentrate on publishing research papers in reputed journals and file patents. Documentary evidence essential for receiving funds from external agencies</b>
5.2	Consultancy Works	
5.3	<b>Faculty Publications</b>	
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)	

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. AA. Arivalagar  
IQAC Coordinator



28-06-2023

SMVEC / IQAC/INT/AAA/ 2022-23 /01

**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 / 23 dated 26-06-2023**  
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An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in your department on 26<sup>th</sup> June 2023. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>		
5.3.5	Number of Books / Book Chapters	Need to maintained proper documents.
5.3.6	Number of Patent (Filed)	
5.3.7	Number of Patents Granted	
<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>		
6.2	Sponsored / Industry Projects	Need initiation by faculty to get more industry projects,

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before July 15, 2023

Thanking You

Yours Truly

  
Dr. AA. Arivalagar  
IQAC Coordinator





SMVEC / IQAC / 02 / AAA/ 2022-23 /01

28-06-2023

**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 26-06-2023

\*\*\*\*\*

An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23(Odd Semester) in your department on 26th June 2023. The following non-conformances were observed during the audit.

Section No.	Particular	Remarks
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>		
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	There is no any data available in these sections need more concentration on it.
5.2	Consultancy Works	
	International and National Conference	
<b>SECTION – VII: STUDENT PROGRESSION</b>		
7.1	Placements	There is no any data available.
7.2	Higher Studies	
7.3	Entrepreneurs	
<b>SECTION – IX: ACHIEVEMENTS</b>		
9.1	Awards and Prizes Received by Students	Need to produce hard copy of all the certificates

You are requested to take necessary steps to close the above observations and submit a detailed action taken report to IQAC on or before July 15, 2023

Thanking You  
Yours Truly

Dr. AA. Arivalagar  
IQAC Coordinator

28/06/2023





**SRI MANAKULA VINAYAGAR  
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**INTERNAL QUALITY ASSURANCE CELL**

**ACADEMIC AND ADMINISTRATIVE AUDIT  
ACTION TAKEN REPORT**

**ACADEMIC YEAR 2022-2023**

400



SMVEC / HEAD – EEE /INT / AAA/ 23

22-02-2023

**ACTION TAKEN REPORT**

To

**Dr.AA. Arivalagar**  
IQAC Coordinator  
Sri Manakula Vinayagar Engineering College  
Madagadipet, Puducherry – 605 107

Dear Sir

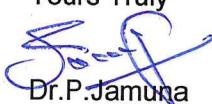
**Sub :** Action taken Report submission for Non-Conformances in AAA – Reg  
**Ref :** SMVEC / IQAC /INT / AAA/ 2022-23 /01

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An Academic and Administrative Audit (AAA) was conducted by the Internal Expert Members nominated by IQAC for the Academic Year 2022-23 in our department on 19<sup>th</sup> January 2023. 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
<b>SECTION – II: CURRICULAR ASPECTS</b>			
2.7	List of Mandatory Courses offered by the department	Supporting Documents need to be maintained for Physical Education	For the mandatory course (physical education), various activities like chess, Kabadi, etc were conducted in both indoor and outdoor. All the activity reports were collected and maintained in the department.
<b>SECTION – III: TEACHING, LEARNING AND EVALUATIONS</b>			
3.3	List of Expert Lectures / Workshop Conducted	Need to arrange more workshops.	In the upcoming semester more hands on training / workshops will be planned and executed in all Saturdays.
<b>SECTION – IX: ACHIVEMENTS</b>			
9.5	Details of Faculty participated in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences at National and International Level	Faculty participation in Refresher Courses, Orientation Courses, Seminars, Workshops, Conferences has to increased	All the faculties are encouraged to participate in the various FDPs, STTPs and workshops.

Thanking You  
Yours Truly

  
Dr.P.Jamuna





## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SMVEC/ECE/IQAC/INT/AAA/2022-23/01

17.2.2023

**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/ 2022-23 /01 dated 25.01.23

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 2022-23 in ECE on 19 January 2023.

Section No.	Particular	Remarks
1	Teaching, Learning and Evaluation	Provide supporting documents for certificate courses and mandatory courses.
2	Research, Innovation and Publications	Require enhancements
3	Collaborations and Linkages	Require enhancements
4	Activity Conducted / Organized by the Department	Increase the scope of club activities.

In response to the previously mentioned non-conformance the following measures are being put into effect.

Section No.	Particular	Action Taken
1	Teaching, Learning and Evaluation	Emphasized the maintenance of supporting documents for Certificate Courses and Mandatory Courses.
2	Research, Innovation and Publications	Communicate with the Research and Development team, to take necessary actions
3	Collaborations and Linkages	Prompt the Placement team to take necessary actions for effective outcomes.
4	Activity Conducted / Organized by the Department	Emphasized the need to increase club activities.

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



## 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 COMPUTER SCIENCE AND ENGINEERING

SMVEC / Head-CSE /INT / AAA/ 23

23-02-2023

Sir,

**Sub:** Action taken report for Non-conformances in AAA – Reg.

**Ref:** SMVEC / IQAC /INT/ AAA/ 2022-23 /01

Action taken report for Non-conformances in AAA, which was held on 19-01-2023. The following sections are Non-conformances and their action plan.

Section No.	Particular	Comments	Action Plan
<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>			
6.4	Functional Memorandum of Understanding (MoU)	Need to focus on functional MoU's.	MoU will be signed in the upcoming semester
<b>SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT</b>			
8.1	Technical Event / Workshop for Student	Need a minimum of 2 programme per year	FDP is planned to conduct in the month of March-23
8.2	FDP /Workshop / STTP / Conference for Faculty		
<b>SECTION – IX: ACHIEVEMENTS</b>			
9.1	Awards and Prizes Received by Students		Faculties are instructed to publish papers in the reputed journals in the upcoming year
9.2	Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies	Needs encouragement for faculty to participate in events organized outside the institution	
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		

Yours faithfully

HOD/CSE  
Dr.K.Premkumar





# SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)

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Madagadipet, Puducherry - 605 107



## DEPARTMENT OF INFORMATION TECHNOLOGY

SMVEC/Head-IT/INT/AAA/23

20.02.2023

Sir,

**Sub:** Action Taken Report for Non-Conformances in AAA – Reg.

**Ref:** SMVEC / IQAC / INT / AAA/ 2022-23 /02

Action Taken Report for Non-Conformances in AAA, which was held on 19<sup>th</sup> January 2023.

Section No.	Particular	Comments	Remarks
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>			
5.1	Research grants, Projects completed and on-going from various funding agencies	Priority to be given for Funding Projects	Various projects initiated for attracting the funding agencies
5.3.7	Number of Patents Granted	Importance to be given for Grant Patent	Applied for Patent Grant
<b>SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT</b>			
8.1	Technical Event / Workshop for Student	A minimum of 2 programme per semester to be conducted	Various Technical event planned through the Clubs in the department

Thanking you

Yours Truly

**HoD / IT**  
(Dr.R.Raju)

2. N



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### DEPARTMENT OF MECHANICAL ENGINEERING

SMVEC/ Head-Mechanical /INT/AAA/23

15.02.2023

Sir,

**Sub:** Action Taken Report for Non-Conformances in AAA – Reg.

**Ref:** SMVEC / IQAC / INT/ AAA / 2022-23 / 01

Action Taken Report for Non-Conformance in AAA, which was held on 25.01.2023.

Section No.	Particular	Comments	Remarks
<b>SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS</b>			
5.3	Faculty Publications	Publication count need to be increased	Informed to faculties to publish minimum two publication per year
<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>			
6.2	Sponsored / Industry Projects	Sponsored or Industry Projects count need to be increased	Made MoU with industries and contacted non-government agencies for sponsored projects
<b>SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT</b>			
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.G.G.Sozhamannan)





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## DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

SMVEC/Head-ICE/INT/AAA/23

20.02.2023

Sir,

**Sub:** Action Taken Report for Non-Conformances in AAA – Reg.

**Ref:** SMVEC / IQAC /INT / AAA/ 2022-23 /01

Action Taken Report for Non-Conformances in AAA, which was held on 19.01.2023.

Section No.	Particular	Contents	Remarks
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>			
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	Require more focus and attention in research for receiving funds	Will Put more efforts to increase the research grants and Projects
<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>			
6.2	Sponsored / Industry Projects	Need more attention for more exposure in the industrial requirements	Will focus more towards the sponsored and industry projects to get the better exposure.

Thanking you

Yours faithfully

**HoD – ICE**  
(Dr.L.M.Varalakshmi)





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## DEPARTMENT OF CIVIL ENGINEERING

SMVEC/Head-Civil/INT/AAA/23

15.02.2023

Sir,

**Sub:** Action Taken Report for Non-Conformances in AAA – Reg.

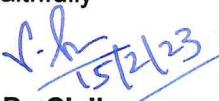
**Ref:** SMVEC / IQAC / INT/ AAA / 2022-23 / 01

Action Taken Report for Non-Conformance in AAA, which was held on 25.01.2023.

Section No.	Particular	Comments	Remarks
<b>SECTION – II: CURRICULAR ASPECTS</b>			
2.1	Academic Plan (Elective choices from the Students)	For Professional and Elective choice a detailed break up of student choice to be made available	Professional elective course analysis is carried and available in department.
<b>SECTION – III: TEACHING, LEARNING AND EVALUATION</b>			
3.1	Course Delivery	Sample viva questions can be given for each experiments so students can be able to understand better on the concepts	Viva questions included for all laboratory courses
<b>SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS</b>			
5.3	Faculty Publications	Publication on International conference to be improved	Motivated staff and students to be present more papers in International conference
5.4	Placement	Placement in core company to be improved	Placement in core company are planned in the forthcoming month

Thanking you

Yours faithfully

  
HoD –Civil  
(Dr.S.Sundararaman)





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## DEPARTMENT OF MECHATRONICS

SMVEC/Head-Mctr/INT/AAA/23

23.02.2023

Sir,

**Sub:** Action Taken Report for Non-Conformances in AAA – Reg.

**Ref:** SMVEC / IQAC / INT/ AAA / 2022-23 / 01

Action Taken Report for Non-Conformance in AAA, which was held on 25.01.2023.

Section No.	Particular	Comments	Remarks
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>			
5.1	Research Grants, Projects completed and on going from various Funding Agencies	Need to initiate to get Research works and Funding Agencies	To publish a Research paper in the month of August 2023.
5.2	Consultancy Works	Need to initiate to get Consultancy Works	Informed to the faculty member to concentrate the consultancy works and patent publications.
5.3	Patent	Focus on work to get Patent in Future.	
<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>			
6.2	Sponsored / Industry Projects	Industry and sponsored projects	Made MoU with industries and contacted non-government agencies for sponsored projects
<b>SECTION – VII: STUDENT PROGRESSION</b>			
7.1	Placement	Placement in core companies should be arranged	Made MoU with core industries for placement

Thanking you

Yours faithfully

**HoD –Mechatronics**  
(Dr.G.Balamuruga MohanRaj)

7/15





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## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

SMVEC/ Head-AI&DS /INT/AAA/23

23.02.2023

Sir,

**Sub:** Action Taken Report for Non-Conformances in AAA – Reg.

**Ref:** SMVEC / IQAC / INT/ AAA / 2022-23 / 01

Action Taken Report for Non-Conformance in AAA, which was held on 25.01.2023.

Section No.	Particular	Comments	Remarks
<b>SECTION –3: TEACHING, LEARNING AND EVALUATION</b>			
3.4	Activities for Slow and Advanced Learners	<b>Slow learners follow up need to be documented in Assessment book to have a clear track record of students.</b>	Engaging activities cater to the unique pace of both slow and advanced learners, fostering a supportive environment that encourages continuous growth and achievement. Slow learner's documents are maintained periodically.
<b>SECTION – VIII: ACTIVITY CONDUCTED / ORGANIZED BY THE DEPARTMENT</b>			
8.2	FDP /Workshop / STTP / Conference for Faculty	Need to conduct at least 2 programme per year	Planned Workshop/STTP in the month of April/May 2023.

Thanking you

Yours faithfully

2.2.1/-

**HoD – AI&DS**  
(Dr.J.Madhusudanan)





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

**DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS**

SMVEC/Head-CSBS/INT/AAA/23

23.01.2023

Sir,

**Sub: Action Taken Report for Non-Conformances in AAA – Reg.**

**Ref: SMVEC / IQAC / INT/ AAA / 2022-23 / 01**

Action Taken Report for Non-Conformance in AAA, which was held on 20.01.2023.

Section No.	Particular	Comments	Remarks
<b>SECTION –3: TEACHING, LEARNING AND EVALUATION</b>			
3.3	List of Expert Lectures / Workshop Conducted	Need to conduct more Expert Lectures / workshop	Developed a schedule of expert lectures and workshops.

Thanking you

Yours faithfully

**HoD –CSBS**

(Dr. N. Danapaquiam)

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Madagadipet, Puducherry - 605 107



### DEPARTMENT OF COMPUTER AND COMMUNICATION ENGINEERING

SMVEC/Head-CCE/INT/AAA/23

22.02.2023

Sir,

**Sub:** Action taken report for Non-conformances in AAA – Reg.

**Ref:** SMVEC / IQAC /INT/ AAA/ 2022-23 /01

Action taken report for Non-conformances in AAA, which was held on 20.01.2023. The following section are Non-conformances and their action plan.

S.No	Particular	Comments	Action plan
<b>Section-V: Research, Innovation and Publications</b>			
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies		
5.2	Consultancy Works		
5.3	Faculty Publications		
5.3.3	Number of Publication in National Conferences	Need to concentrate on research oriented projects to get funding from external agencies, publish paper in reputed journals and books.	Faculties are insisted to publish Journals, Books and Patents and also approached for consultancy work in Industries.
5.3.5	Number of Books/ Book Chapters		
5.3.7	Number of Patents Granted		
<b>Section-VI: Collaborations and Linkages</b>			
6.2	Sponsored / Industry Projects	MoU to be signed with reputed organization for better placements, internship etc.,	Approached the Industry. To be achieved in upcoming academic year.
6.4	Functional Memorandum of Understanding (MoU)		
<b>Section – IX: Achievements</b>			
9.2	Participation of teachers in various activities as a Members of Committees at University Level / State Level / National Level / International Level bodies	Faculty need to participate in various professional bodies and receive awards to their credit. Supporting documents need to be evidenced on the achievements a faculty has obtained.	Motivated the faculty to participate in various activities and they will be recognized for their achievements.

Thanking you  
Yours faithfully

HOD/CCE  
Dr.V.Bharathi

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**Department of Fashion Technology**

23-02-2023

**Action Taken report for - NON-CONFORMANCES IN AAA**

Section No.	Particular	Remarks	Action Taken
<b>SECTION - 2 : CURRICULAR ASPECTS</b>			
2.1	<b>Academic Plan</b>		
2.1.2	Faculty Subject Preferences		Internal Circular sent to subject faculty and get the willingness
2.1.3	Elective choices from the Students		Got Student willingness Signed letter
2.1.4	Course allotment to the Faculty	Document evidences for preference, allotment of courses to faculty and electives chosen by students needs proper documentation and recorded for traceability	Through internal circular information sent to the staff With undersigned
<b>SECTION - IV : STRUCTURED FEEDBACK</b>			
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.
<b>SECTION - V : RESEARCH, INNOVATION AND PUBLICATIONS</b>			
5.1	Research Grants, Projects completed and ongoing from various Funding 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		
5.3.4	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	Research, consultancy, publications of journals, patent filing by faculty members needs to be initiated and require most attention in generating funds.	Under process

<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>			
6.2	Sponsored / Industry Projects	MoU's to be signed for better linkages and collaboration with industry and they must be functional.	Under process
6.4	Functional Memorandum of Understanding (MoU)		Planning is going on
<b>SECTION – IX: ACHIEVEMENTS</b>			
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 those 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		Already 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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Madagadipet, Puducherry - 605 107



## SCHOOL OF ARCHITECTURE

SMVEC/Principal-B.Arch.INT/AAA/23

23.02.2023

Sir,

**Sub: Action Taken Report for Non-Conformances in AAA – Reg.**

**Ref: SMVEC / IQAC / 01/ AAA / 2022-23 / 01**

Action Taken Report for Non-Conformances in AAA, which was held on 19.01.2023.

Section No.	Particular	Comments	Remarks
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>			
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies		
5.2	Consultancy Works		
5.3	<b>Faculty Publications</b>		
5.3.1	Number of Publication in National Journals	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.
5.3.2	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		
<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>			
6.2	Sponsored / Industry Projects	Industry sponsored projects need to be accelerated and documented.	Industrial projects proposals will be identified
6.4	Functional Memorandum of Understanding (MoU)	Functional MoU's required for training, placements, internship etc.,	MoU's with Industry and Institution will be Identified

Thanking you

Yours faithfully

Principal –School of Architecture  
(Ar.S.Manoharan)

East River Park



## SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

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Madagadipet, Puducherry - 605 107



### DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

SMVEC/Head-MCA/INT/AAA/23

13.07.2023

Sir,

**Sub:** Action Taken Report for Non-Conformances in AAA – Reg.

**Ref:** SMVEC / IQAC / INT/ AAA / 2022-23 / 01

Action Taken Report for Non-Conformance in AAA, which was held on 28.06.2023.

Section No.	Particular	Comments	Remarks
<b>SECTION – V : RESEARCH, INNOVATION AND PUBLICATIONS</b>			
5.3.5	Number of Books / Book Chapters	Need to maintained proper documents.	All the documents related to books, patents received are maintained properly
5.3.6	Number of Patent (Filed)		
5.3.7	Number of Patents Granted		
<b>SECTION – VI: COLLABORATIONS AND LINKAGES</b>			
6.2	Sponsored / Industry Projects	Need initiation by faculty to get more industry projects,	In main project guided the students to do industry projects only. Documents are maintained.

Thanking you

Yours faithfully

HOD-MCA

(Dr. A. Ramalingam)

Alb. (18)  
C. (18)



**DEPARTMENT OF MANAGEMENT STUDIES**

SMVEC/Head-MBA/01/AAA/23

13.07.2023

Sir,

**Sub:** Action Taken Report for Non-Conformances in AAA – Reg.

**Ref:** SMVEC / IQAC / 02/ AAA / 2022-23 / 01

Action Taken Report for Non-Conformances in AAA, which was held on 26.06.2023.

Section No.	Particular	Comments	Remarks
<b>SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS</b>			
5.1	Research Grants, Projects completed and ongoing from various Funding Agencies	There is no any data available in these sections need more concentration on it.	We have submitted applications for research grants and are currently awaiting the outcomes. Additionally, we have approached several organizations and are in anticipation of their approvals.
5.2	Consultancy Works		
<b>SECTION – VII: STUDENT PROGRESSION</b>			
7.1	Placements		As it is the third semester, we are initiating the placement process. Given that we are currently midway through the academic year, there is limited opportunity for pursuing higher studies or engaging in entrepreneurial activities at this point.
7.2	Higher Studies		
7.3	Entrepreneurs	There is no any data available	
<b>SECTION – IX: ACHIEVEMENTS</b>			
9.1	Awards and Prizes Received by Students	Need to produce hard copy of all the certificates	Hard copies of the documents are now accessible.

Thanking you

Yours faithfully

**HoD –Management Studies**  
(Dr.N.S.N. Cailassame)

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

**DEPARTMENT OF BIOMEDICAL ENGINEERING**

SMVEC / Head-BME / INT / AAA / 23

23.02.2023

**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/ 2022-23 / 01

Section No.	Particular	Comments	Remarks
<b>SECTION – V: RESEARCH, INNOVATION AND PUBLICATIONS</b>			
5.3	Number of Books / Book Chapters	Need to publish books / book chapters	Book and Chapters published in the month of February 2023.
<b>SECTION – IX: ACHIEVEMENTS</b>			
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	Staff recognized with Long Service Excellence Award and Best Teacher Award



Dr.A.Vijayalakshmi  
**HOD/BME**





**Sri Manakula Vinayagar**  
**Engineering College**  
**(An Autonomous Institution)**  
Puducherry - 605 107