



**DEPARTMENT
OF
ELECTRICAL AND ELECTRONICS ENGINEERING**

Minutes of 10th Meeting of BoS (UG)

Venue : Seminar Hall, Third Floor
Department of Electrical and Electronics Engineering
Engineering Block,
Sri Manakula Vinayagar Engineering College

Date and Time : 29th January 2026 at 10.00 A.M

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Minutes of 10th Meeting of BoS (UG)

Table of Contents

S. No.	Contents		Page No.
1	Minutes of 10 th Meeting of BoS (UG)		
2	Annexure – I	(i) Minutes of Curriculum Advisory Committee	
		(ii) Curriculum R-2026	
3	Annexure – II	Syllabi of I year / I and II semesters under R-2026 regulations	
4	Annexure – III	Syllabi of Common Courses offered by EEE to other branches under R-2026	
5	Annexure – IV	Regulations, Curriculum, Syllabi of Honour / Minor degree Programme under R-2023, Academic calendar and details of students registered	
6	Annexure – V	Details of SWAYAM/ MOOC Courses	
7	Annexure – VI	End Semester Examinations Result Analysis of Odd Semester for the academic year 2025 – 2026.	
8	Annexure – VII	Academic Calendar followed for the Academic year 2025 – 2026.	
9	Annexure – VIII	Details of Professional and Open Elective courses offered under R-2020 and R-2023	
10	Annexure – IX	Recommendations of Panel of Examiners to the Academic Council	
11	Annexure – X	Details of Guest Lectures, Workshops, Hands on Training, Seminar and Engineering Clinic activities	
12	Annexure – XI	Details of Research Activities carried out during AY:2025-26	
13	Annexure – XII	Details of Placement and various Achievements during AY:2025-26	
14	Annexure – XIII	Equivalent courses between R2020 and R2023 regulations	



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Minutes of 10th Meeting of Board of Studies (UG)

The Tenth meeting of Board of Studies in Electrical and Electronics Engineering Department was held on **29th January 2026 at 10:00 A.M** in the Seminar Hall, Department of Electrical and Electronics Engineering, Sri Manakula Vinayagar Engineering College, with Head of Department in the Chair.

The following members were present for the BoS meeting

Sl. No.	Name of the Member	Designation
1. Head of the Department concerned (Chairperson)		
1	Dr. P. Jamuna, M.E., Ph.D., Professor Specialization: Power Electronics and Drives Years of Experience: 20 Sri Manakula Vinayagar Engineering College jamuna@smvec.ac.in 9789544379	Chairperson
2. All faculty members of the Department		
2	Dr. D. Raja, M. Tech., Ph.D., Professor Specialization: Electrical Drives and Control Years of Experience: 19 Sri Manakula Vinayagar Engineering College rajaapeee@gmail.com 9944337970	Member
3	Dr. S. Ganesh Kumaran, M.E., Ph.D., Associate Professor Specialization: Electrical Machines Years of Experience: 15 Sri Manakula Vinayagar Engineering College ganeshphd4u@gmail.com 9677624378	Member
4	Dr. D. Sivaraj, M. Tech., Ph.D., Associate Professor Specialization: Electric Drives and Control Years of Experience: 15 Sri Manakula Vinayagar Engineering College sivarajdeee@smvec.ac.in 9043117533	Member

5	Dr. P. Meganathan, M.E., Ph.D., Associate Professor Specialization: Power System Engineering Years of Experience: 17 Sri Manakula Vinayagar Engineering College meganathan.eee@smvec.ac.in 8870984192	Member
6	Dr. B. Puspha M.Tech., Ph.D., Associate Professor Specialization: Hybrid Renewable Energy Years of Experience: 15 Sri Manakula Vinayagar Engineering College pushpa.eee@smvec.ac.in 9600767735	Member
7	Mr. B. Parthiban. M. E., (Ph.D) Assistant Professor Specialization: Power Electronics and Drives Years of Experience:17 Sri Manakula Vinayagar Engineering College parthibaneee@smvec.ac.in 9842102111	Member
8	Mr. S. John Powl, M.Tech., Assistant Professor Specialization: Electrical Drives and Control Years of Experience:16 Sri Manakula Vinayagar Engineering College johnpowl@smvec.ac.in 9894817748	Member
9	Mr. K. Thangaraj, M.Tech., Assistant Professor Specialization: Electrical Drives and Control Years of Experience:13 Sri Manakula Vinayagar Engineering College thangaraj@smvec.ac.in 8056477840	Member
10	Mr. J. Muruganandham, M.Tech., Assistant Professor Specialization: Electrical Drives and Control Years of Experience:13 Sri Manakula Vinayagar Engineering College muruganandham, jeeva@smvec.ac.in 9994358048	Member
11	Mr. I. Shivasankkar, M.Tech., Assistant Professor Specialization: Electrical Drives and Control Years of Experience:8 Sri Manakula Vinayagar Engineering College shivasankkar@smvec.ac.in 8682936091	Member
12	Mr. G. Rajavel, M. Tech., Assistant Professor Specialization: Electrical Drives and Control Years of Experience:10 Sri Manakula Vinayagar Engineering College g.rajavel61@gmail.com 7871678713	Member

13	Mr. R. Vignesh, M. E., Assistant Professor Specialization: High Voltage Engineering Years of Experience:8 Sri Manakula Vinayagar Engineering College vickiee21@gmail.com 9791058626	Member
14	Ms. T. Abinayasaraswathy, M. Tech., Assistant Professor Specialization: Power Electronics and Drives Years of Experience:8 Sri Manakula Vinayagar Engineering College abinayasaraswathy.eee@smvec.ac.in 9487639243	Member
15	Mr. S. Elanthamizh. M. E., Assistant Professor Specialization: Power Electronics and Drives Years of Experience: 6 Sri Manakula Vinayagar Engineering College elanthamizh.eee@smvec.ac.in 6381903843	Member
16	Mr. B. Raghunath, M.Tech., Assistant Professor Specialization: Power Electronics and Drives Years of Experience: 7 Sri Manakula Vinayagar Engineering College raghunath@smvec.ac.in 9944769901	Member
17	Mr. S. Mugundhan M.Tech., MBA Assistant Professor, Specialization: Electric Drives and Control Years of Experience: 3.5(Industry)+ 1 (SMVEC) Sri Manakula Vinayagar Engineering College mugundhan.eee@smvec.ac.in 9487640898	Member
18	Mrs. T. Porselvi, M. Tech., (Ph.D) Assistant Professor, Specialization: Electric Drives and Control Years of Experience: 3.5(Industry)+ 1 (SMVEC) Sri Manakula Vinayagar Engineering College porselvi.eee@smvec.ac.in 9600690144	Member
19	Mrs. R. Vinothini M.E., Assistant Professor Specialization: Power Electronics and Drives Years of Experience: 4.8(Industry)+ 9 month (SMVEC) Sri Manakula Vinayagar Engineering College vinothini.eee@smvec.ac.in 8220094929	Member
20	Dr. K. Raja Associate Professor, Dept. of Mathematics, Year of Experience:13 Sri Manakula Vinayagar Engineering College raja@smvec.ac.in 9361122495	Member

21	Dr. H. Rosi Assistant Professor, Dept. of Chemistry, Year of Experience:10 Sri Manakula Vinayagar Engineering College rosimphil@gmail.com 9786013088	Member
22	Mrs. G. Namitha Associate Professor, Dept. of English, Years of Experience: 16 Sri Manakula Vinayagar Engineering College namithadedeshna@gmail.com 9894669916	Member
23	Mrs. S. Geetha Assistant Professor, Dept. of Physics, Years of Experience: 15 Sri Manakula Vinayagar Engineering College geethaphysics@smvec.ac.in 9942355656	Member
3. Two subject experts from outside the Parent University are nominated by the Academic Council.		
25	Dr. R. Gunabalan, M. Tech, Ph. D., Assistant Professor Specialization: Electrical Drives and Control Years of Experience:21 Department of Electrical and Electronics Engineering, VOC College of Engineering, Thoothukudi Anna University gunabalan1979@gmail.com 9894919269	Subject Expert
26	Dr. S. Karthick, M.E., Ph.D., Professor Specialization: Applied Electronics Years of Experience:23 Department of Electrical and Electronics Engineering, Erode Sengunthar Engineering College (Autonomous) Perundurai, Erode – 638 057. resumekarthick@gmail.com 9486937253 / 9842557879	Subject Expert
4. One expert is nominated by the Vice-Chancellor from a panel of six recommended by the Autonomous College Principal as a University Nominee.		
27	Dr. M. Sudhakaran, M.E., Ph.D., Professor Specialization: Smart Grid Years of Experience:24 Department of EEE, Puducherry Technological University, Puducherry-605 014. sudhakaran@ptuniv.edu.in 9994071997	Subject Expert
5. One representative from industry/corporate sector/allied areas is nominated by the Principal as a Industry Nominee.		

28	Mr. Anandh Krishnamoorthy, B.Tech., MBA., Head-Functional Excellence & Servicing Siting, Vestas Technology R&D Chennai Pvt. Ltd., Chennai, Year of Experience: 16 anacr@vestas.com 97866 88993	Industry Expert
6. One member of the College alumni is nominated by the Principal		
29	Dr. Srinivasan Pradabane, M. E., Ph.D., Assistant Professor Years of Experience:15 Department of Electrical Engineering National Institute of Technology, Warangal. spradabane@nitw.ac.in, 8702462244, 8332969289	Member
7. Experts from outside the Autonomous College, whenever special courses of studies are to be formulated, is nominated by the Principal.		
30	Dr. P. Samundiswary, M. Tech., Ph.D., Professor / ECE Specialization: Wireless Communication & Networks, VLSI Design and Optical Communication Years of Experience:26 Department of Electronics Engineering, School of Engineering and Technology, Pondicherry University sam.dee@pondiuni.edu.in 9443268949	Member

Agenda of the Meeting	
Agenda 1/ BoS / 10 /2026 /EEE /UG	Welcome Address, Confirmation of minutes of 9 th meeting of BoS.
Agenda 2/ BoS /10 /2026 /EEE /UG	(i) To apprise the BoS about Regulations R-2020, Curriculum and syllabi followed for the students admitted in the academic year 2022-23. (ii) To apprise the BoS about Regulations R-2023 Curriculum and syllabi followed for the students admitted in the academic years 2023-24, 2024-25 and 2025-26.
Agenda 3/ BoS/ 10 /2026 /EEE /UG	To discuss and approve the syllabi of IV year (VII and VIII semesters) under Autonomous regulations R-2023 (Modifications if any) for the B.Tech – Electrical and Electronics Engineering students admitted in the academic year 2023-2024.
Agenda 4/	(i) To appraise the BoS about the minutes of Curriculum Advisory Committee meeting conducted for the revision of

BoS / 10 /2026 /EEE /UG	curriculum and syllabi under Regulation R-2026 (ii) To discuss the BoS about the proposed Regulation R-2026 for the students admitted from the academic year 2026-2027. (iii) To discuss and approve the proposed curriculum under R-2026 regulations for the students admitted from the academic year 2026-2027.
Agenda 5/ BoS/ 10 /2026 /EEE /UG	To discuss and approve the syllabi of I year (I and II semesters) under Autonomous Regulations R-2026 for the B.Tech – Electrical and Electronics Engineering for the students admitted from the academic year 2026-2027.
Agenda 6/ BoS/ 10 /2026 /EEE /UG	To discuss and approve the syllabi of common courses offered to other branch of engineering under R-2026 regulations for the students admitted from the academic year 2026-2027.
Agenda 7/ BoS / 10 /2026 /EEE /UG	a) To apprise the Regulations, Curriculum and syllabi of the Honours/Minor Degree Programme under Autonomous Regulations R-2023. b) To approve the following points regarding the Honours/Minor Degree programme under Autonomous Regulations R-2023. (i) To discuss the syllabi of Honours/Minor Degree Programme (Modifications if any). (ii) Academic Calendar of Honours / Minor Degree Programme. (iii) Details of students registered for Honours/Minor Degree Programme under Autonomous Regulations R-2023 for the batches of 2023-2027 and 2024-2028.
Agenda 8/ BoS / 10 /2026 /EEE /UG	To apprise the details of online SWAYAM/ MOOCS courses Registered/Completed by the students and Staff.
Agenda 9 / BoS / 10 /2026 /EEE /UG	To apprise the End Semester Examinations, Result Analysis of Odd Semester for the academic year 2025 – 2026.
Agenda 10 / BoS / 10 /2026 /EEE /UG	To discuss and approve the Academic Calendar followed in Odd / Even semesters for the Academic year 2025 – 2026.
Agenda 11 / BoS / 10 /2026 /EEE /UG	To approve the Professional and Open Elective courses offered to the students during the period December 2025 to May 2026. (i) Professional Elective courses and open Elective courses to the III year / VI sem students (Batch: 2023 – 2027, R2023 Regulations) (ii) Professional Elective courses to the IV year / VIII semester

	students (Batch: 2022 – 2026, R2020 Regulations) and II year / IV semester students (Batch: 2024-2028, R-2023 regulations).
Agenda 12 / BoS / 10 /2026 /EEE /UG	To approve the Certification Courses offered to the III year / VI semester (Batch: 2023 – 2027) and II Year / IV semester (Batch: 2024 – 2028), I Year / II semester (Batch: 2025 – 2029) for the Students under R-2023 regulations.
Agenda 13 / BoS / 10 /2026 /EEE /UG	To discuss and recommend the panel of examiners to the Academic Council.
Agenda 14 / BoS / 10 /2026 /EEE /UG	To apprise about various academic activities carried out in the department during the Academic Year 2025-2026 (i) Guest Lectures, Workshops, Hands on Training, Seminar etc., (ii) Engineering Clinic activities
Agenda 15 / BoS / 10 /2026 /EEE /UG	To apprise the various Research activities in the department during the Academic Year 2025-2026 (i) Patents Publication and submission (ii) Submission of research proposals (iii) Journal publications and submission
Agenda 16 / BoS / 10 /2026 /EEE /UG	To apprise the following activities and achievements during the Academic Year 2025-2026. (i) Placement details (ii) Institution credentials (iii) Faculty Achievements (iv) Students Achievements (Two batches won first prize in the Smart India Hackathon 2025, Hardware Edition)
Agenda 17 / BoS / 10 /2026 /EEE /UG	Any other additional points to be discussed with the permission of Chair. (i) To approve the equivalent courses commonly available between R2020 and R2023 Regulations

Minutes of the Meeting

Dr. P. Jamuna, Chairperson, BoS opened the meeting by welcoming the External members, Internal members and the meeting thereafter deliberated on agenda items that had been approved by the Chairperson.

Agenda 1 / BoS / 10 / 2026 / EEE / UG

Welcome Address, Confirmation of minutes of 9th meeting of BoS.

Chairperson confirmed the Minutes of 9th meeting of BoS and its implementation.

BoS noted the Agenda.

Agenda 2 / BoS / 10 / 2026 / EEE / UG

- (i) To apprise the BoS about Regulations R-2020, Curriculum and syllabi followed for the students admitted in the academic year 2022-23.
- (ii) To apprise the BoS about Regulations R-2023 Curriculum and syllabi followed for the students admitted in the academic years 2023-24, 2024-25 and 2025-26.

The chairperson of BoS apprised the R-2020 Regulations, Curriculum and Syllabi followed for the students admitted in the academic year 2022-23 and also R-2023 Regulations, Curriculum and syllabi followed for the students admitted in the academic years 2023-24, 2024-25 and 2025-26. **BoS noted the Agenda.**

Agenda 3 / BoS / 10 / 2026 / EEE / UG

To discuss and approve the syllabi of IV year (VII and VIII semesters) under Autonomous regulations R-2023 (Modifications if any) for the B. Tech – Electrical and Electronics Engineering students admitted in the academic year 2023-2024.

The Chairperson of the BoS presented that there is no modifications in the syllabi which was already approved in the 9th meeting of BoS for the IV year (VII and VIII semesters) under Autonomous Regulations R-2023 for the B. Tech in Electrical and Electronics Engineering students admitted in the academic year 2023–2024.

BoS noted the Agenda.

Agenda 4 / BoS / 10 / 2026 / EEE / UG

- (i) To appraise the BoS about the minutes of Curriculum Advisory Committee meeting conducted for the revision of curriculum and syllabi under Regulations R-2026
- (ii) To discuss the BoS about the proposed Regulations R-2026 for the students admitted from the academic year 2026-2027.
- (iii) To discuss and approve the proposed curriculum under R-2026 regulations for the students admitted from the academic year 2026-2027.

(i) The chairperson of BoS apprised the minutes of Curriculum Advisory Committee meeting conducted for the revision of curriculum and syllabi under Regulation R-2026. The minutes of meeting is given in the **Annexure I (i)**.

(iii) The chairperson of the BoS discussed the modifications to be made in the B.Tech regulations to frame the new regulations R-2026. The following suggestions were received from BoS members regarding the incorporation in Regulations R-2026.

- Modifications in the evaluation pattern of theory courses - 40 marks as CAM and 60 marks as ESM
- Modifications in the Letter grade O, A+, A, B+, B and C, etc

(iii) The proposed curriculum under R-2026 regulations were presented and approved by BoS members for the students admitted from the academic year 2026-2027. **(given in annexure I (ii))**

BoS noted and approved the Agenda.

Agenda 5 / BoS / 10 / 2026 / EEE / UG

To discuss and approve the syllabi of I year (I and II semesters) under Autonomous Regulations R-2026 for the B.Tech – Electrical and Electronics Engineering students admitted from the academic year 2026-2027.

The syllabi of I-year / I & II semesters, under R-2026 Regulations are discussed and the following suggestions were given by BoS members

Table 1: suggestions for syllabi modifications

S. No.	Regulation	Year / Semester	Course Name with Code	Unit	Changes Incorporated
1.	R-2026	I/I	Engineering Science for Electrical Engineering	IV	Power Cycles can be added in the unit-IV - IC Engines and Power Cycles
2.	R-2026	I/II	Artificial Intelligence for Electrical Engineers	V	Electrical applications can be included in the unit-V - AI Tools and its Applications
3.	R-2026	I/II	Electronic Devices and Circuits	II	Nano devices can be included in the special device category

The above suggestions were incorporated and the updated Syllabi of I and II Semesters under Autonomous regulations R-2026 were approved by the BoS members for the students admitted from the Academic Year 2026-27 onwards. **(given in Annexure- II)**

Agenda 6 / BoS / 10 / 2026 / EEE / UG

To discuss and approve the syllabi of common courses offered to other branch of engineering under R-2026 regulations for the students admitted from the academic year 2026-2027.

The syllabi of common courses offered by the department of Electrical and Electronics Engineering under R-2026 Regulations to other branches are discussed and the following suggestions were given by BoS members

Table 2: suggestions for common course syllabi modifications

S. No.	Regulation	Year / Semester	Course Name with Code	Unit	Changes Incorporated
1.	R-2026	1/ II	Electrical Technology Lab	-	Study of Electrical tools and accessories and wiring experiments can be added

The above suggestions were incorporated and the updated Syllabi of common courses under Autonomous regulations R-2026 were approved by the BoS members for the students admitted from the Academic Year 2026-27 onwards. **(given in Annexure- III)**

Agenda 7 / BoS / 10 / 2026 / EEE / UG

- a) To apprise the Regulations, Curriculum and syllabi of the Honours/Minor Degree Programme under Autonomous Regulations R-2023.
- b) To approve the following points regarding the Honours/Minor Degree programme under Autonomous Regulations R-2023.
 - (i) To discuss the syllabi of Honours/Minor Degree Programme (Modifications if any).
 - (ii) Academic Calendar of Honours / Minor Degree Programme.
 - (iii) Details of students registered for Honours/Minor Degree Programme under Autonomous Regulations R-2023 for the batches of 2023-2027 and 2024-2028.

The chairperson of BoS apprised the Regulations and Curriculum of the Honours/Minor Degree Programme under Autonomous Regulations R-2023.

- (i) The syllabi of courses in VII and VIII semesters were presented and the **BoS approved the Agenda.**
- (ii) The Academic Calendar and Time Table for the Honours / Minor Degree Programme for the batches of 2023-2027 and 2024-2028 were presented and approved by the BoS members.
- (iii) The details of the students registered for Honours / Minor Degree Programme - Electric Vehicles offered by the department of Electrical and Electronics were presented and the **BoS approved the Agenda. (given in Annexure- IV)**

Agenda 8 / BoS / 10 / 2026 / EEE / UG

To apprise the details of online SWAYAM/ MOOCS courses Registered/Completed by the students and Staff.

- The details of online SWAYAM / MOOCS courses completed during July 2025 to December 2025 and registered during Jan 2026 to April 2026 by the staff and students were presented and **approved by the BoS members. (given in Annexure- V)**

Agenda 9 / BoS / 10 / 2026 / EEE / UG

To apprise the End Semester Examinations, Result Analysis of Odd Semester for the academic year 2025 – 2026.

The result analysis of the ODD semesters of the academic year 2025-26 **was presented, and the BoS noted the agenda. (given in Annexure- VI)**

Agenda 10 / BoS / 10 / 2026 / EEE / UG

To discuss and approve the Academic Calendar followed for the Academic year 2025 – 2026.

The chairperson of BoS apprised the Academic Calendars followed in the ODD Semester (I, III, V, VII) and EVEN Semester (II, IV, VI, and VIII semesters) for the academic year 2025-26, which includes the schedule for CAT, Model Exam, QCM, various events, and continuous assessment marks distributions. **BoS Noted and approved (given in Annexure VII)**

Agenda 11 / BoS / 10 / 2026 / EEE / UG

To approve the Professional and Open Elective courses offered to the students during the period December 2025 to May 2026.

- (i) Professional Elective courses and open Elective courses to the III year / VI sem students (Batch: 2023 – 2027, R2023 Regulations)
- (ii) Professional Elective courses to the IV year / VIII semester students (Batch: 2022 – 2026, R2020 Regulations) and II year / IV semester students (Batch: 2024-2028, R-2023 regulations).

The Chairperson of BoS apprised Professional Elective courses and open Elective courses opted by the students during the academic year 2025-26. **BoS Noted and approved.**

- (i) The Professional Elective courses opted by the students of IV year (Batch: 2022 – 2026, R2020 Regulations) and III year & II year (Batch: 2024-2028, Batch: 2025-2029, R-2023 regulations) were presented **(given in Table 3, 4(a) & (b)) and approved by the BoS members. (given in Annexure VIII)**

Table 3: List of Professional Elective Courses opted by the III and IV year Students – odd sem

S. No.	Year/Sem	Regulation	Course Name	Course Code
Open Elective – I				
1	III / V	R2023	New Product Development	U23HSOC02
2	III / V	R2023	Marketing Management	U23HSOC05
Professional Elective – II				
1	III / V	R2023	Utilization of Electrical Energy	U23EEE506
2	III / V	R2023	Automotive Electronics for Electrical Engineering	U23EEE509
Open Elective – III				
1	IV / VII	R2020	Internet of Things	U20ECCM04
2	IV / VII	R2020	Artificial Intelligence Applications	U20ADO706
Professional Elective – IV				
1	IV/ VII	R2020	Fuzzy Logic and Neural Networks	U20ICCM01
2	IV/ VII	R2020	Special Electrical Machines	U20EEE720

Table 4(a): List of Professional and Open Elective Courses opted by the III year Students – Even sem

S. No.	Year/Sem	Regulation	Course Name	Course Code
Professional Elective – III				
1	III / VI	R-2023	Intelligent Control techniques for Electrical Applications	U23EEE614
2	III / VI	R-2023	Internet of Things for Smart System	U23EEE615
Open Elective – II				
1	III / VI	R-2023	Structured Query Language	U23CSOC01
2	III / VI	R-2023	Cloud Technologies	U23CSOC02

Table 4 (b): List of Professional Elective Courses opted by the II and IV year Students – Even sem

S. No.	Year/Sem	Regulation	Course Name	Course Code
Professional Elective – V				
1	IV / VIII	R-2020	FACTS	U20EEE822
2	IV / VIII	R-2020	Fundamentals of Solar Photovoltaic System and Applications	U20EEE825
Professional Elective – VI				
1	IV / VIII	R-2020	Smart Grid	U20EEE826
2	IV / VIII	R-2020	Power Electronics for Renewable Energy Systems	U20EEE830
Professional Elective – I				

1	II / IV	R-2023	Electrical Safety Engineering	U23EEDC01
2	II / IV	R-2023	Energy Storage Technology	U23EEE404

Agenda 12 / BoS / 10 / 2026 / EEE / UG

To approve the Certification Courses offered to the III year (Batch: 2023 – 2027) and II Year (Batch: 2024 – 2028), I Year (Batch: 2025 – 2029) for the Students under R-2023 regulations.

The Certification Courses offered to the III year (Batch: 2023 – 2027) and II Year (Batch: 2024 – 2028), I Year (Batch: 2025 – 2029) for the Students under R-2023 regulations were presented **(given in Table 5)** and **approved by the BoS members.**

Table 5: Certification Courses for ODD and EVEN Semester of Academic Year 2025-2026

S. No.	Regulations	Year/Sem	Course Name	Course Code
Certification Course – I				
1.	R2023	I / I	Web Application Development (HTML, CSS, JS)	U23EEC176
Certification Course – II				
2.	R2023	I / II	Angular JS	U23EEC238
Certification Course – III				
3.	R2023	II / III	Databases	U23EEC372
Certification Course – IV				
4.	R2023	II / IV	Advance Java Programming	U23EEC436
Certification Course – V				
5.	R2023	III / V	Advance Java Programming	U23EEC536
Certification Course – VI				
6.	R2023	III / VI	Devops	U23EEC666

Agenda 13 / BoS / 10 / 2026 / EEE / UG

To discuss and recommend the panel of examiners to the Academic Council.

The panel of examiners for Question Paper Setting and Evaluation were presented to the BoS members. **The BoS noted and recommended to the Academic Council. (given in Annexure-IX)**

Agenda 14 / BoS / 10 / 2026 / EEE / UG

To apprise about various academic activities carried out in the department during the Academic Year 2025-2026

- (i) Guest Lectures, Workshops, Hands on Training, Seminar etc.,
- (ii) Engineering Clinic activities

The various academic activities like Guest Lectures, Workshops, Hands on Training, Seminar and Engineering Clinic Activities carried out during the academic year 2025-26 in the department of Electrical and Electronics Engineering were presented **(given in Annexure-X)** and the **BoS noted the Agenda.**

Agenda 15 / BoS / 10 / 2026 / EEE / UG

To apprise the various Research activities in the department during the Academic Year 2025-2026

- (i) Patents Publication and submission
- (ii) Submission of research proposals
- (iii) Journal publications and submission

The Chairperson of BoS apprised the various Research activities carried out such as Patents Publications, Research proposals and Journal publications in the department during the Academic Year 2025-2026 and **BoS noted the Agenda (given in Annexure XI).**

Agenda 16 / BoS / 10 / 2026 / EEE / UG

To apprise the following activities and achievements during the Academic Year 2025-2026.

- (i) Placement details
- (ii) Institution credentials
- (iii) Faculty Achievements
- (iv) Students Achievements (Two batches won first prize in the Smart India Hackathon 2025, Hardware Edition)

The Chairperson of BoS apprised the Placement details, Institution credentials and Students and faculty Achievements during the Academic Year 2025-2026. **BoS noted the Agenda (given in Annexure XII).**

Agenda 17 / BoS / 10 / 2026 / EEE / UG

Any other additional points to be discussed with the permission of Chair.

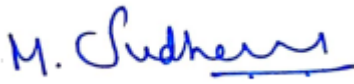
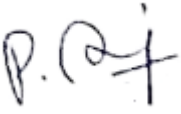
To approve the equivalent courses common between Regulations R2020 and R2023.

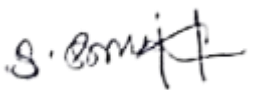
The courses common between R2020 and R2023 Regulations are identified and it will be used for the purpose of common question paper setting. **(Given in Annexure XIII).**

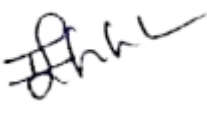
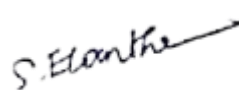
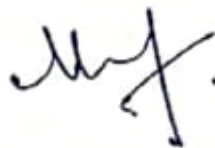
The BoS noted and approved.

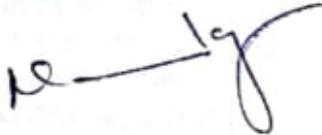
The Tenth Meeting of BoS approval was concluded at 1.00 P.M by Dr. P. Jamuna, Chairperson, Board of Studies, Department of Electrical and Electronics Engineering, Sri Manakula Vinayagar Engineering College.

Sl.No.	Name of the Member	Designation	Signature
1.	Dr. P. Jamuna, M.E., Ph.D., Professor Sri Manakula Vinayagar Engineering College jamuna@smvec.ac.in 9789544379	Chairperson	

2.	Dr. M. Sudhakaran, M.E., Ph.D., Professor Department of EEE, Puducherry Technological University, Puducherry-605 014. sudhakaran@ptuniv.edu.in 9994071997	Subject Expert (University Nominee)	
3.	Dr. R. Gunabalan, M. Tech, Ph.D., Assistant Professor Specialization: Electrical Drives and Control Years of Experience:21 Department of Electrical and Electronics Engineering, VOC College of Engineering, Thoothukudi Anna University gunabalan1979@gmail.com 9894919269	Subject Expert (Academic Council Nominee)	
4.	Dr. S. Karthick, M.E., Ph.D., Professor / EEE Erode Sengunthar Engineering College (Autonomous) Perundurai, Erode – 638 057. resumekarthick@gmail.com 9486937253 / 9842557879	Subject Expert (Academic Council Nominee)	
5.	Mr. Anandh Krishnamoorthy, B.Tech., MBA., Head-Functional Excellence & Servicing Siting, Vestas Technology R&D Chennai Pvt. Ltd., Chennai, Year of Experience: 16 anakr@vestas.com 97866 88993	Industry Nominee	
6.	Dr. Srinivasan Pradabane, M.E., Ph.D., Assistant Professor Department of Electrical Engineering National Institute of Technology, Warangal. spradabane@nitw.ac.in, 8702462244, 8332969289	Alumnus Nominee	
7.	Dr. P. Samundiswary, M.Tech., Ph.D., Professor / ECE Department of Electronics Engineering, School of Engineering and Technology, Pondicherry University sam.dee@pondiuni.edu.in 9443268949	Academic Expert	
8.	Dr. D. Raja, M.Tech., Ph.D., Professor Sri Manakula Vinayagar Engineering College rajaapeee@gmail.com 9944337970	Member	

9.	Dr. S. Ganesh Kumaran, M.E., Ph.D., Associate Professor Sri Manakula Vinayagar Engineering College ganeshphd4u@gmail.com 9677624378	Member	
10.	Dr. D. Sivaraj, M. Tech., Ph.D., Associate Professor Sri Manakula Vinayagar Engineering College sivarajdeee@smvec.ac.in 9043117533	Member	
11.	Dr. P. Meganathan, M.E., Ph.D., Associate Professor Specialization: Power System Engineering Years of Experience: 17 Sri Manakula Vinayagar Engineering College meganathan.eee@smvec.ac.in 8870984192	Member	
12.	Dr. B. Puspha M.Tech., Ph.D., Associate Professor Specialization: Hybrid Renewable Energy Years of Experience: 15 Sri Manakula Vinayagar Engineering College pushpa.eee@smvec.ac.in 9600767735	Member	
13.	Mr.B. Parthiban. M.E., (Ph.D) Assistant Professor Sri Manakula Vinayagar Engineering College parthibaneee@smvec.ac.in 9842102111	Member	
14.	Mr.S.John Powl, M.Tech., Assistant Professor Sri Manakula Vinayagar Engineering College johnpowl@smvec.ac.in 9894817748	Member	
15.	Mr.K. Thangaraj, M.Tech., Assistant Professor Sri Manakula Vinayagar Engineering College thangaraj@smvec.ac.in 8056477840	Member	
16.	Mr.J.Muruganandham, M.Tech., Assistant Professor Sri Manakula Vinayagar Engineering College muruganandham, jeeva@smvec.ac.in 9994358048	Member	

17.	Mr. I. Shivasankkar, M.Tech., Assistant Professor Sri Manakula Vinayagar Engineering College shivasankkar@smvec.ac.in 8682936091	Member	
18.	Mr. G. Rajavel, M. Tech., Assistant Professor Sri Manakula Vinayagar Engineering College g.rajavel61@gmail.com 7871678713	Member	
19.	Mr. R. Vignesh, M.E., Assistant Professor Sri Manakula Vinayagar Engineering College vickiee21@gmail.com 9791058626	Member	
20.	Ms.T. Abinayasaraswathy, M. Tech., Assistant Professor Sri Manakula Vinayagar Engineering College abinayasaraswathy.eee@smvec.ac.in 9487639243	Member	
21.	Mr. S. Elanthamizh. M.E., Assistant Professor Sri Manakula Vinayagar Engineering College elanthamizh.eee@smvec.ac.in 6381903843	Member	
22.	Mr. B. Raghunath, M.Tech Assistant Professor Sri Manakula Vinayagar Engineering College raghunath.eee@smvec.ac.in 9944769901	Member	
23.	Mr.S. Mugundhan M.Tech.,MBA Assistant Professor, Sri Manakula Vinayagar Engineering College mugundhan.eee@smvec.ac.in 9487640898	Member	
24.	Mrs. T. Porselvi, M. Tech., (Ph.D) Assistant Professor, Specialization: Electric Drives and Control Years of Experience: 3.5(Industry)+ 1 (SMVEC) Sri Manakula Vinayagar Engineering College porselvi.eee@smvec.ac.in 9600690144	Member	

25.	Mrs. R. Vinothini M.E., Assistant Professor Specialization: Power Electronics and Drives Years of Experience: 4.8(Industry)+ 9 month (SMVEC) Sri Manakula Vinayagar Engineering College vinothini.eee@smvec.ac.in 8220094929	Member	
26.	Dr. K. Raja Associate Professor, Dept. of Mathematics, SMVEC raja@smvec.ac.in 9361122495	Member	
27.	Dr. H. Rosi Assistant Professor, Dept. of Chemistry, Year of Experience:10 Sri Manakula Vinayagar Engineering College rosimphil@gmail.com 9786013088	Member	
28.	Mrs. G. Namitha Associate Professor, Dept. of English, SMVEC namithadedeshna@gmail.com 9894669916	Member	
29.	Mrs. S. Geetha Assistant Professor, Dept. of Physics, SMVEC geethaphysics@smvec.ac.in 9942355656	Member	

Annexure – I
**(i) Minutes of Curriculum Advisory
Committee**
(ii) Curriculum R-2026



Department of Electrical and Electronics Engineering

Curriculum Advisory Committee (DAC) Meeting

Venue: EEE Seminar Hall

Date: 13.09.2025

MINUTES OF THE MEETING

The Curriculum Advisory Committee (CAC) meeting for the B.Tech Programme of the Department of Electrical and Electronics Engineering was held on 13th September 2025 at 10.00 A.M. in the Seminar Hall, Department of EEE, Sri Manakula Vinayagar Engineering College, with the Head of the Department in the Chair.

Agenda of the Meeting

- 1. Agenda 1/CAC/ 2025 /EEE /UG: Welcome Address**
- 2. Agenda 2/ CAC 2025 /EEE /UG: To apprise the CAC about the R2023 regulations followed for the students admitted from the academic year 2023-24 onwards.**
- 3. Agenda 3/ CAC /2025 /EEE /UG: To discuss the suggestions for new regulations R2026.**
 - CAM and ESM distribution
 - Provision for NPTEL credit transfer
 - Passing criteria of various courses
 - Letter grades, etc.
- 4. Agenda 4/ CAC /2025 /EEE /UG: To apprise about the Curriculum and Syllabi followed in the Department of Electrical and Electronics Engineering, under Autonomous Regulations R-2023.**
- 5. Agenda 5/ CAC /2025 /EEE /UG: To discuss the modifications to be carried out in the Curriculum by incorporating the following components and their weightages.**
 - Theory, Practical and Theory-cum-Practical Courses
 - Micro, Mini and Major Project Courses
 - Professional and Open Elective Courses
 - Certification Courses
 - Skill Enhancement Courses
 - Mandatory Courses
- 6. Agenda 6/ CAC /2025 /EEE /UG: To discuss the modifications to be carried out in the Syllabi of various courses of Electrical and Electronics Engineering.**
- 7. Agenda 7/CAC /2025 /EEE /UG: To discuss the modifications to be carried out in the B.Tech with Honours / Minor Degree Programme.**
- 8. Agenda 8 /CAC /2025 /EEE /UG: Any other additional points to be discussed with the permission of the Chair.**

Minutes of the meeting

Agenda 1/CAC/ 2025 /EEE /UG: Welcome Address

The Chairperson welcomed the Academic Experts, Industrial Experts, Alumni, Faculty Members and Final Year Students. The preamble of the institution was presented, highlighting its 25 years of excellence, autonomous status, placement records, Centres of Excellence (IDEA Lab, Electric Vehicle CoE, IBM AI Lab), and achievements in research, patents, and student innovation.

Agenda 2/ CAC 2025 /EEE /UG: To apprise the CAC about the R2023 Regulations followed for the students admitted from the academic year 2023-24 onwards.

- The Committee was apprised in detail about the Academic Regulations R-2023 implemented for students admitted to the B.Tech. Electrical and Electronics Engineering programme from the academic year 2023-24 onwards.
- The following salient features of R-2023 were highlighted:
 - The structure of the curriculum as per AICTE guidelines includes specified credits for Humanities and Social Sciences (HS), Basic Science (BS), Engineering Science (ES), Professional Core (PC), Professional Electives (PE), Open Electives (OE), Project Work and Internship (PA), Ability Enhancement Courses (AEC), and Mandatory Courses (MC), totaling 170 credits for graduation.
 - Semester-wise credit and course distribution, including Theory, Practical, Theory cum Practical, Ability Enhancement, and Mandatory Courses, was reviewed. The committee noted the inclusion of micro, mini, and major projects at various stages.
 - The continuous assessment Test (CAT) and the End Semester Examination (ESM) system for evaluation of students was explained, including the distribution of marks for CATs, assignments, attendance, and final examinations as per schemes.
 - Presented the eligibility criteria and structure for the Honours/Minor Degree Program.
 - Regulatory provisions such as letter grades, passing criteria, and special components like certification and Ability Enhancement courses were mentioned for clarity.
- The Committee took note of the detailed presentation on R-2023 regulations and expressed satisfaction with the structured regulations.
- Members agreed that these regulations address the latest AICTE model curriculum standards and align with contemporary technological and employability demands.

Agenda 3/ CAC /2025 /EEE /UG: To discuss the suggestions for new regulations R2026.

CAM and ESM distribution, Provision for NPTEL credit transfer, Passing criteria of various courses, Letter grades, etc.

1. Distribution of CAM and ESM

- The Committee reviewed the current structure for Continuous Assessment Marks (CAM) and End Semester Marks (ESM).
- After examination, it was agreed that the existing framework is satisfactory and will be retained for R-2026.

2. Passing Criteria for Various Courses

- The Committee deliberated on the passing criteria for theory, practical, and theory-cum-practical courses.
- Members agreed to continue with the present system as it balances rigor with opportunities for student remediation.

3. Letter Grades and Grading System

- The Committee reviewed the current system of awarding letter grades and grade points.
- It was resolved that the existing grading scale is clear, transparent, and comparable, and hence will be maintained without modification.

4. Credit Transfer through NPTEL

- The Committee recommended implementing a formal provision for credit transfer of NPTEL/SWAYAM courses into the regular curriculum, aligned with AICTE/UGC norms.
- Students may transfer a maximum of 3 credits per semester through NPTEL, course to equivalence approval by the Department Curriculum Committee.

5. Provision for Course Withdrawal

- The Committee members recommended an option for students to withdraw from a registered course in a particular semester due to an emergency situation.
- This flexibility is expected to reduce academic stress while ensuring academic continuity.
- The committee recommended that R-2026 regulations retain the existing provisions for CAM/ESM distribution, passing criteria, and grading system.

Agenda 4/ CAC /2025 /EEE /UG: To apprise about the Curriculum and Syllabi followed in the Department of Electrical and Electronics Engineering, under Autonomous Regulations R-2023.

- The Committee was appreciated the structure and implementation of the R-2023 Curriculum and Syllabi for the B.Tech. Electrical and Electronics Engineering programme.
- The credit distribution, course categories (HS, BS, ES, PC, PE, OE, Projects, AEC, and MC), and sequencing across semesters were presented.

- Members noted that the curriculum was framed in line with AICTE guidelines and incorporates industry-relevant courses, certification programs, and provision for B.Tech with Honour/Minor degree programme.
- The syllabi were reviewed to ensure alignment with Programme Outcomes (POs), Programme Educational Objectives (PEOs), and Programme Specific Outcomes (PSOs).
- The Committee expressed satisfaction with the comprehensive structure and relevance of the R-2023 Curriculum and Syllabi.

Agenda 5/ CAC /2025 /EEE /UG: To discuss the modifications to be carried out in the Curriculum by incorporating the following components and their weightages.

Theory, Practical and Theory-cum-Practical Courses, Micro, Mini and Major Project Courses, Professional and Open Elective Courses, Certification Courses, Skill Enhancement Courses, Mandatory Courses

The Committee reviewed the proposed curriculum structure under R-2026 and discussed possible modifications. The following **suggestions were made by members:**

1. Restructuring of First and Second Semester Courses

- *Programming in Python* to be shifted from **Semester II** → **Semester I**.
- *Programming in C* to be shifted from **Semester I** → **Semester II**.
- *Fundamentals of Artificial Intelligence* to be introduced in **Semester II**.
- *Computation Fluid and Aerodynamics* may be included in **Semester I**.
- *Electromagnetic Theory (EMT)* to be shifted to **Semester II**.

2. Course Structure Adjustments

- All **core subjects** should be placed under *Theory-cum-Practical* category instead of allocating such slots to non-core courses.
- *Electric Circuits and Networks* course to be **renamed as “Network and Graph Theory”** for better conceptual clarity.

3. New Course Inclusions

- *Green Energy Technology*
- *Hydrogen and Fuel Cell Technology* to be added as an elective/specialized course in line with global sustainability trends.

Agenda 6/ CAC /2025 /EEE /UG: To discuss the modifications to be carried out in the Syllabi of various courses of Electrical and Electronics Engineering.

The Committee reviewed the current syllabi of core and elective courses in the department.

- Suggestions were discussed to include recent industry-oriented topics, software tools, and case studies to enhance practical relevance.
- Emphasis was placed on updating laboratory syllabi to include simulations and modern software packages (e.g., MATLAB, Python applications in EEE).
- It was also suggested to include sustainability aspects and contemporary energy technologies wherever appropriate.

- The drafts will be consolidated and presented in the forthcoming **Board of Studies** meeting for approval.

Agenda 7/CAC /2025 /EEE /UG: To discuss the modifications to be carried out in the B.Tech with Honours / Minor Degree Programme.

- The Committee appreciated the existing Honours / Minor degree Programme framework under R-2023 and agreed to retain it without major changes.
- Regarding the Minor degree programme, members suggested to reduce the eligibility criteria.
- The experts suggestions will be discussed with Head of the Institution for the students who secure a CGPA in the range of 7.5 and above as the eligibility criteria for Minor degree program.
- Suggestions were also received to introduce new tracks under Honours/Minor degree programmes, such as:
 - *Green Energy and Sustainability*
 - *Artificial Intelligence and Machine Learning*
 - *Hydrogen and Fuel Cell Technologies*
- The updated framework will be drafted and forwarded to the Board of Studies for approval.

Agenda 8 /CAC /2025 /EEE /UG: Any other additional points to be discussed with the permission of the Chair.

- Members discussed the importance of strengthening **industry-institute interaction** through internships, guest lectures, and joint projects.



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)

Puducherry

B.TECH. ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC REGULATIONS 2026
(R-2026)

CURRICULUM AND SYLLABI
Volume – I

COLLEGE VISION AND MISSION**Vision**

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

Mission**M1: Quality Education:**

To provide comprehensive academic system that amalgamates the cutting edge technologies with best practices.

M2: Research and Innovation:

To foster value based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.

M3: Employability and Entrepreneurship:

To inculcate the employability and entrepreneurial skills through value and skill based training.

M4: Ethical Values:

To instill deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.

DEPARTMENT VISION AND MISSION**Vision**

To promote proficiency in the field of Electrical and Electronics Engineering by creating a stimulating environment for research, innovation and entrepreneurship

Mission**M1: Quality Education:**

To impart high quality technical education with problem solving capabilities by innovative pedagogy in emerging technologies.

M2: Industrial and Societal Needs:

To cater the dynamic needs of the industry and society by strengthening industry-institute interaction.

M3: Research and Innovation:

To nurture the spirit of research attitude by carrying out innovative technologies pragmatically.

M4: Placement and Entrepreneurship:

To inculcate the professionalism in career by advancing synergetic skills to compete in the corporate world.

PROGRAMME OUTCOMES (POs)

- PO1 Engineering Knowledge:** Apply the knowledge of mathematics, natural science, computing, engineering fundamentals, and an engineering specialization to develop the solution of complex engineering problems.
- PO2 Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions with considerations for sustainable development.
- PO3 Design/Development of solutions:** Design solutions for complex engineering problems and design/develop systems/components/process to meet identified needs with considerations for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required.
- PO4 Conduct investigations of complex problems:** Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analyses & interpretation of data to provide valid conclusions.
- PO5 Engineering tool usage:** Create, select and apply appropriate techniques, resources, and modern engineering & IT tools, including prediction and modeling recognizing their limitations to solve complex engineering problems.
- PO6 The Engineer and the World:** Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment.
- PO7 Ethics:** Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws.
- PO8 Individual and Collaborative Teamwork:** Function effectively as an individual, and as a member or leader in diverse teams/multi-disciplinary teams.
- PO9 Communication:** Communicate effectively and inclusively within the engineering community and society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, considering cultural, language and learning differences.
- PO10 Project management and finance:** Apply knowledge and understanding of the engineering and management principles and economic decisions-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.
- PO11 Life-long learning:** Recognize the need for, and have the preparation and ability i) Independent and Life-Long learning ii) Adaptability to new and emerging technologies and iii) Critical Thinking in the broader context of technological change.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)**PEO1: Professional Knowledge:**

To possess strong educational foundation in Electrical and Electronics Engineering to attain successful career with professional responsibility

PEO2: Innovative Skills:

To enrich the skills to design and develop innovative solutions for engineering problems in a multidisciplinary environment

PEO3: Ethics:

To actively embrace leadership qualities for achieving professional goals with ethical values

PEO4: Adaptability:

To enhance intellectual competency along with technical skills by adapting to the current trends through eternal learning.

PROGRAMME SPECIFIC OUTCOMES (PSOs)**PSO1: Core Proficiency:**

Utilize the engineering core knowledge to identify, formulate, design, and investigate the complex engineering problems of Power Electronics, Electrical Machines and Power Systems.

PSO2: Cutting Edge Technologies:

Explore the new cutting-edge technologies in the field of Electric Vehicle, Automation, Artificial Intelligence, Robotics and Renewable Energy to compete in global market

PSO3: Design and Evolution:

Capability to comprehend the technological advancements with the usage of modern design tools for analysing and designing systems to confront the rapid pace of industrial innovations.

STRUCTURE FOR UNDERGRADUATE ENGINEERING PROGRAMME

Sl. No	Course Category	Breakdown of Credits
1	Humanities and Social Sciences including Management courses (HS)	17
2	Basic Science Courses (BS)	20
3	Engineering Science including workshop, drawing, basics of electrical / mechanical / computer etc. (ES)	21
4	Professional Core Courses (PC)	76
5	Professional Electives Courses (PE)	12
6	Open Electives Courses (OE)	06
7	Project Work and Internship (PA)	14
8	Skill Enhancement Courses (SEC)	06
9	Ability Enhancement Courses (AEC*)	-
10	Mandatory Courses (MC*)	-
Total		172

SCHEME OF CREDIT DISTRIBUTION – SUMMARY

Sl. No	AICTE Suggested Course Category	Credits per Semester								Total Credits
		I	II	III	IV	V	VI	VII	VIII	
1	Humanities and Social Science (HS)	3	5	1	1	1	3	3	-	17
2	Basic Sciences (BS)	7	4	5	4	-	-	-	-	20
3	Engineering Sciences (ES)	8	9	-	4	-	-	-	-	21
4	Professional Core (PC)	4	4	18	15	19	12	4	-	76
5	Professional Electives (PE)	-	-	-	-	-	3	9	-	12
6	Open Electives (OE)	-	-	-	-	3	3	-	-	06
7	Project Work (PA)	-	-	-	-	-	-	4	8	12
8	Internship (PA)	-	-	-	-	-	2	-	-	02
9	Skill Enhancement Courses (SEC)	1	1	1	1	1	1	-	-	06
10	Ability Enhancement Courses (AEC*)	-	-	-	-	-	-	-	-	-
10	Mandatory courses (MC*)	-	-	-	-	-	-	-	-	-
Total		23	23	25	25	24	24	20	8	172

* AEC and MC are not included for CGPA calculation

HONOUR / MINOR DEGREE PROGRAMME:

The student is permitted to opt for earning an Honour / Minor degree in the same discipline of engineering in addition to the degree in his/her own discipline. To earn an Honour / Minor degree the student is required to earn an additional 18 - 20 credits (over and above the total 170 credits prescribed in the curriculum) starting from fourth semester onwards by completing 5 additional courses offered in respective semesters. A student is eligible to exercise this option if he/she has passed all the courses offered upto third semester in the first attempt itself and has earned a CGPA / GPA* (*for lateral entry)

SEMESTER – I										
Sl. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Theory										
1	U26MATC01	Engineering Mathematics - I	BS	3	1	-	4	40	60	100
2	U26BSTC01	Physical Science for Engineers	BS	3	-	-	3	40	60	100
3	U26EET101	Fundamentals of Electrical and Electronics Engineering	PC	3	-	-	3	40	60	100
4	U26ESTCXX	Programming in C	ES	3	-	-	3	40	60	100
5	U26EST102	Engineering Science for Electrical Engineering	ES	3	-	-	3	40	60	100
Theory cum Practical										
6	U26ENBC01	Communicative English - I	HS	2	-	2	3	50	50	100
Practical										
7	U26ESPCXX	Design Thinking and Idea Lab	ES	-	-	2	1	50	50	100
8	U26EEP101	Fundamentals of Electrical and Electronics Engineering Lab	PC	-	-	2	1	50	50	100
9	U26ESPCXX	Programming in C Lab	ES	-	-	2	1	50	50	100
Ability Enhancement Course										
10	U26AEC1XX	Certification Course – I**	AEC	-	-	4	-	100	-	100
11	U26SEC1XX	Aptitude I*	SEC	-	-	2	1	100	-	100
Mandatory Course										
12	U26EEM101	Student Induction Program	MC	3 Weeks			-	-	-	-
							23	600	500	1100

SEMESTER – II										
Sl. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Theory										
1	U26MATC02	Engineering Mathematics - II	BS	3	1	-	4	40	60	100
2	U26HSTC01	Universal Human Values - II	HS	2	-	-	2	40	60	100
3	U26EET202	Artificial Intelligence for Electrical Engineers	ES	3	-	-	3	40	60	100
4	U26EET203	Electronic Devices and Circuits	PC	3	-	-	3	40	60	100
5	U26ESTCXX	Data Structures	ES	3	-	-	3	40	60	100
Theory cum Practical										
6	U26ENBC02	Communicative English - II	HS	2	-	2	3	50	50	100
Practical										
7	U26EEP202	Electronic Devices and Circuits Lab	PC	-	-	2	1	50	50	100
8	U26ESPCXX	Digital Engineering Graphics and 3D Modelling	ES	-	-	2	1	50	50	100
9	U26ESPCXX	Data Structures Lab	ES	-	-	2	1	50	50	100
10	U26EEP203	AI Tools Lab for Electrical Engineers	ES	-	-	2	1	50	50	100
Ability Enhancement Course										
11	U26AEC2XX	Certification Course – II**	AEC	-	-	4	-	100	-	100
12	U26SEC2XX	Aptitude II*	SEC	-	-	2	1	100	-	100
Mandatory Course										
13	U26EEM202	Sports Yoga and NSS	MC	-	-	2	-	100	-	100
							23	750	550	1300

** Certification courses are to be selected from the list given in Annexure III (A)

* Skill Enhancement Courses (I and II) are to be selected from the list given in Annexure III (B)

SEMESTER – III										
Sl. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Theory										
1		Probability and Statistics	BS	3	1	-	4	40	60	100
2		DC Machines and Transformers	PC	3	-	-	3	40	60	100
3		Electro Magnetic Theory	PC	3	-	-	3	40	60	100
4		Digital Electronics and VHDL	PC	3	-	-	3	40	60	100
5		Analog and Digital Integrated Circuits	PC	3	-	-	3	40	60	100
Theory cum Practical										
6		Electric Circuits and Networks	PC	2	-	2	4	50	50	100
Practical										
7		General Proficiency – I	HS	-	-	2	1	50	50	100
8		Engineering Mathematics Lab	BS	-	-	2	1	50	50	100
9		DC Machines and Transformers Lab	PC	-	-	2	1	50	50	100
10		Digital and Integrated Circuits Lab	PC	-	-	2	1	50	50	100
Ability Enhancement Course										
11		Certification Course – III **	AEC	-	-	4	-	100	-	100
12		Aptitude III*	SEC	-	-	2	1	100	-	100
Mandatory Course										
13		Climate Change	MC	2	-	-	-	100	-	100
							25	750	550	1300
SEMESTER – IV										
Sl. No	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Theory										
1		Numerical Methods and Optimization	BS	3	1	-	4	40	60	100
2		Programming in JAVA	ES	3	-	-	3	40	60	100
3		AC machines and Special Electrical Machines	PC	3	-	-	3	40	60	100
4		Electrical Measurements and Instruments	PC	3	-	-	3	40	60	100
5		Generation, Transmission and Distribution	PC	3	-	-	3	40	60	100
Theory cum Practical										
6		Control Systems	PC	2	-	2	4	50	50	100
Practical										
7		General Proficiency – II	HS	-	-	2	1	50	50	100
8		AC machines and Special Electrical Machines Lab	PC	-	-	2	1	50	50	100
9		Electrical Measurements and Instruments Lab	PC	-	-	2	1	50	50	100
10		Programming in JAVA Lab	ES	-	-	2	1	50	50	100
Ability Enhancement Course										
11		Certification Course – IV**	AEC	-	-	4	-	100	-	100
12		Aptitude IV*	SEC	-	-	2	1	100	-	100
Mandatory Course										
13		Right to Information and Good Governance	MC	2	-	-	-	100	-	100
							25	750	550	1300

** Certification courses are to be selected from the list given in Annexure III (A)

* Skill Enhancement Courses (I and II) are to be selected from the list given in Annexure III (B)

SEMESTER – V										
Sl. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Theory										
1		Power Electronics and Drives	PC	3	-	-	3	40	60	100
2		Microprocessors & Microcontrollers	PC	3	-	-	3	40	60	100
3		Electrical Machine Design	PC	3	-	-	3	40	60	100
4		Electric Vehicle Technology	PC	3	-	-	3	40	60	100
5		Open Elective – I ^{\$}	OE	3	-	-	3	40	60	100
Theory cum Practical										
6		Power Systems	PC	2	-	2	4	50	50	100
Practical										
7		Research Methodology	HS	-	-	2	1	50	50	100
8		Power Electronics and Drives Lab	PC	-	-	2	1	50	50	100
9		Microprocessors & Microcontrollers Lab	PC	-	-	2	1	50	50	100
10		E-Mobility Lab	PC	-	-	2	1	50	50	100
Ability Enhancement Course										
11		Certification Course – V**	AEC	1	1	4	-	100	-	100
12		Aptitude V*	SEC	-	-	2	1	100	-	100
Mandatory Course										
13		Essence of Indian Traditional Knowledge	MC	2	-	-	-	100	-	100
							24	750	550	1300
SEMESTER – VI										
Sl. No	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Theory										
1		Management 1	HS	3	-	-	3	40	60	100
2		Embedded & Real-Time Systems	PC	3	-	-	3	40	60	100
3		Sustainable Energy Technology	PC	3	-	-	3	40	60	100
4		Deep Learning and Machine Learning for Electrical Engineering	PC	3	-	-	3	40	60	100
5		Professional Elective – I [#]	PE	3	-	-	3	40	60	100
6		Open Elective – II ^{\$}	OE	3	-	-	3	40	60	100
Practical										
7		Embedded & Real-Time Systems Lab	PC	-	-	2	1	50	50	100
8		Sustainable Energy Systems Lab	PC	-	-	2	1	50	50	100
9		Deep Learning and Machine Learning Lab	PC	-	-	2	1	50	50	100
Project Work										
10		Mini Project	PA	-	-	2	2	100	-	100
Ability Enhancement Course										
11		Certification Course – VI**	AEC	-	-	4	-	100	-	100
12		Aptitude VI*	SEC	-	-	2	1	100	-	100
Mandatory Course										
13		Gender Equality	MC	2	-	-	-	100	-	100
							24	790	510	1300

Professional Electives are to be selected from the list given in Annexure I

\$ Open electives are to be selected from the list given in Annexure II

** Certification courses are to be selected from the list given in Annexure III (A)

* Skill Enhancement Courses (I and II) are to be selected from the list given in Annexure III (B)

SEMESTER – VII										
Sl. No	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Theory										
1		Management 2	HS	3	-	-	3	40	60	100
2		Smart Sensors and IOT Applications	PC	3	-	-	3	40	60	100
3		Professional Elective - II [#]	PE	3	-	-	3	40	60	100
4		Professional Elective - III [#]	PE	3	-	-	3	40	60	100
5		Professional Elective -IV [#]	PE	3	-	-	3	40	60	100
Practical										
6		Smart Sensors and IOT lab	PC	-	-	2	1	50	50	100
Project Work										
7		Project Phase - I	PA	0	0	4	2	50	50	100
8		Internship / In plant Training	PA	-	-	-	2	100	-	100
							20	400	400	800

SEMESTER – VIII										
Sl. No.	Course Code	Course Title	Category	Periods			Credits	Max. Marks		
				L	T	P		CAM	ESM	Total
Project Work										
1		Project Phase II	PA	-	-	16	8	50	100	150
							8	50	100	150

Professional Electives are to be selected from the list given in Annexure I

Annexure – I**PROFESSIONAL ELECTIVE COURSES**

Professional Elective – I (Offered in Semester VI)		
Sl. No.	Course Code	Course Title
1		Sensors and Actuators
2		Special Electrical Machines
3		Utilization of Electrical Energy
4		SMPS and UPS
5		Smart Grid
Professional Elective – II (Offered in Semester VII)		
Sl. No.	Course Code	Course Title
1		Robotics and Automation
2		Automotive Electronics for Electrical Engineering
3		Advanced Electric Drives and Control
4		Optimization Techniques
5		Finite Element Analysis of Electrical Machines
Professional Elective – III (Offered in Semester VII)		
Sl. No.	Course Code	Course Title
1		Artificial Intelligent Techniques for Electric Vehicles
2		Protection and Switchgear
3		Internet of Things for Smart System
4		Digital Twin Technology
5		Avionics
Professional Elective – IV (Offered in Semester VII)		
Sl. No.	Course Code	Course Title
1		Digital Signal Processing for Electrical Engineering
2		Electrical Energy Audit and Conservation
3		Energy Storage Systems and Controllers
4		Industry 4.0 for Electrical systems
5		Restructured Power System

Annexure – II**OPEN ELECTIVE COURSES**

Sl. No.	Course Code	Course Title	Offering Department	Permitted Department
Open Elective – I (Offered in Semester V)				
1.		Electrical Safety Engineering	EEE	Offered in Semester V for EEE, ECE, ICE, CIVIL, BME, CCE, FT Offered in Semester VI for CSE, IT, MECH, MECHATRONICS, AI&DS
2.		Solar Photovoltaic Fundamental and Applications	EEE	
Open Elective – II (Offered in Semester VI)				
1.		Electric and Hybrid Vehicles	EEE	ECE, ICE, MECH, CIVIL, MCTR, CCE, BME, IT, CSE, FT, AI&DS, CSBS
2.		Energy Conservation and Management	EEE	ECE, ICE, MECH, CIVIL, MCTR, CCE, BME, IT, CSE, FT, AI&DS, CSBS

Annexure – III**ABILITY ENHANCEMENT COURSES – (A) CERTIFICATION COURSES**

S. No	Course Code	Course Title
1	U26EECX01	Adobe Photoshop
2	U26EECX02	Adobe Animate
3	U26EECX03	Adobe Dreamweaver
4	U26EECX04	Adobe After Effects
5	U26EECX05	Adobe Illustrator
6	U26EECX06	Adobe InDesign
7	U26EECX07	Autodesk AutoCAD -ACU
8	U26EECX08	Autodesk Inventor - ACU
9	U26EECX09	Autodesk Revit - ACU
10	U26EECX10	Autodesk Fusion 360 - ACU
11	U26EECX11	Autodesk 3ds Max - ACU
12	U26EECX12	Autodesk Maya - ACU
13	U26EECX13	Cloud Security Foundations
14	U26EECX14	Cloud Computing Architecture
15	U26EECX15	Cloud Foundation
16	U26EECX16	Cloud Practitioner
17	U26EECX17	Cloud Solution Architect
18	U26EECX18	Data Engineering
19	U26EECX19	Machine Learning Foundation
20	U26EECX20	Robotic Process Automation / Medical Robotics
21	U26EECX21	Advance Programming Using C
22	U26EECX22	Advance Programming Using C ++
23	U26EECX23	C Programming
24	U26EECX24	C++ Programming
25	U26EECX25	CCNP Enterprise: Advanced Routing
26	U26EECX26	CCNP Enterprise: Core Networking
27	U26EECX27	Cisco Certified Network Associate - Level 2
28	U26EECX28	Cisco Certified Network Associate- Level 1
29	U26EECX29	Cisco Certified Network Associate- Level 3
30	U26EECX30	Fundamentals Of Internet of Things
31	U26EECX31	Internet Of Things / Solar and Smart Energy System with IoT
32	U26EECX32	Java Script Programming
33	U26EECX33	NGD Linux Essentials
34	U26EECX34	NGD Linux I
35	U26EECX35	NGD Linux II
36	U26EECX36	Advance Java Programming

37	U26EECX37	Android Programming / Android Medical App Development
38	U26EECX38	Angular JS
39	U26EECX39	Catia
40	U26EECX40	Communication Skills for Business
41	U26EECX41	Coral Draw
42	U26EECX42	Data Science Using R
43	U26EECX43	Digital Marketing
44	U26EECX44	Embedded System Using C
45	U26EECX45	Embedded System with IOT / Arduino
46	U26EECX46	English For IT
47	U26EECX47	Plaxis
48	U26EECX48	Sketch Up
49	U26EECX49	Financial Planning, Banking and Investment Management
50	U26EECX50	Foundation Of Stock Market Investing
51	U26EECX51	Machine Learning / Machine Learning for Medical Diagnosis
52	U26EECX52	IOT Using Python
53	U26EECX53	Creo (Modelling & Simulation)
54	U26EECX54	Soft Skills, Verbal, Aptitude
55	U26EECX55	Software Testing
56	U26EECX56	MX-Road
57	U26EECX57	CLO 3D
58	U26EECX58	Solid works
59	U26EECX59	Staad Pro
60	U26EECX60	Total Station
61	U26EECX61	Hydraulic Automation
62	U26EECX62	Industrial Automation
63	U26EECX63	Pneumatics Automation
64	U26EECX64	Agile Methodologies
65	U26EECX65	Block Chain
66	U26EECX66	Devops
67	U26EECX67	Artificial Intelligence
68	U26EECX68	Cloud Computing
69	U26EECX69	Computational Thinking
70	U26EECX70	Cyber Security
71	U26EECX71	Data Analytics
72	U26EECX72	Databases
73	U26EECX73	Java Programming
74	U26EECX74	Networking
75	U26EECX75	Python Programming
76	U26EECX76	Web Application Development (HTML, CSS, JS)
77	U26EECX77	Network Security
78	U26EECX78	MATLAB

79	U26EECX79	Azure Fundamentals
80	U26EECX80	Azure AI (AI-900)
81	U26EECX81	Azure Data (DP -900)
82	U26EECX82	Microsoft 365 Fundamentals (SS-900)
83	U26EECX83	Microsoft Security, Compliance and Identity (SC-900)
84	U26EECX84	Microsoft Power Platform (PI-900)
85	U26EECX85	Microsoft Dynamics Fundamentals 365 – CRM
86	U26EECX86	Microsoft Excel
87	U23EECX87	Microsoft Excel Expert
88	U26EECX88	Securities Market Foundation
89	U26EECX89	Derivatives Equinity
90	U26EECX90	Research Analyst
91	U26EECX91	Portfolio Management Services
92	U26EECX92	Cyber Security
93	U26EECX93	Cloud Security
94	U26EECX94	PMI – Ready
95	U26EECX95	Tally – GST & TDS
96	U26EECX96	Advance Tally
97	U26EECX97	Associate Artist
98	U26EECX98	Certified Unity Programming
99	U26EECX99	VR Development

ABILITY ENHANCEMENT COURSES – (B) SKILL ENHANCEMENT COURSES

Sl. No.	Course Code	Course Title
1	U26EES101	Aptitude I
2	U26EES202	Aptitude II
3	U26EES303	Aptitude III
4	U26EES404	Aptitude IV
5	U26EES505	Aptitude V
6	U26EES606	Aptitude VI

Annexure – II
Syllabi of I year / I and II semesters under
R-2026 regulations



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)

Puducherry

B.TECH. ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC REGULATIONS 2026
(R-2026)

SYLLABI of I Year
(I and II Semesters)

Department	Mathematics			Programme: B.Tech.						
Semester	I			Course Category Code: BS			End Semester Exam Type: TE			
Course Code	U26MATC01			Periods/Week			Credit	Maximum Marks		
				L	T	P	C	CAM	ESE	TM
Course Name	ENGINEERING MATHEMATICS – I			3	1	-	4	40	60	100
(Common to ALL Branches Except CSE&BS)										
Prerequisite	Basic Mathematics									
Course Outcome	On completion of the course, the students will be able to								BT Mapping (Highest Level)	
	CO1	Analyze matrices using rank, eigenvalues, diagonalization, and apply the Cayley–Hamilton theorem for matrix inversion and power.							K4	
	CO2	Solve higher-order linear differential equations using standard solution methods and variation of parameters.							K3	
	CO3	Apply partial differentiation techniques to analyze functions of several variables and solve optimization problems.							K4	
	CO4	Evaluate areas and volumes using double and triple integrals over appropriate regions.							K3	
	CO5	Apply vector calculus concepts along with integral theorems to analyze and solve physical and engineering problems.							K4	
UNIT – I	MATRICES						Periods:12			
Rank of a Matrix by Row echelon forms – Consistency and inconsistency of a Systems of Linear Equations – Characteristic equation of a matrix – Cayley Hamilton Theorem (excluding proof) – Verification – Application (Finding Inverse and Power of a matrix) – Eigen values and Eigen vectors of a real and symmetric Matrix – Properties of Eigen values and Eigen vectors (excluding proof) – Diagonalization of a Matrices – Diagonalization by orthogonal transformation.										CO1
UNIT – II	DIFFERENTIAL EQUATIONS (HIGHER ORDER)						Periods:12			
Homogeneous Linear Differential equations of higher order with constant coefficients – Euler’s linear equation of higher order with variable coefficients – Homogeneous linear differential equations using Method of Variation of parameters.										CO2
UNIT – III	FUNCTIONS OF SEVERAL VARIABLES						Periods:12			
Partial differentiation – Partial derivatives of first order and second order Differential equation – Partial differentiation of implicit functions – Total derivatives – Euler’s theorem on homogeneous functions – Jacobians – properties (excluding proof) – Taylor’s series for functions of two variables – Maxima and minima of functions of two variables – Lagrange’s Method of multipliers										CO3
UNIT – IV	MULTIPLE INTEGRALS						Periods:12			
Double integration (Cartesian form) – constant limits – variable limits – Region of Integration – Application of double integrals – Area by double integration – Change of order of Integration – Triple Integration (Cartesian form) – constant limits- variable limits – Application of triple integrals – Volume by triple integration.										CO4
UNIT – V	VECTOR CALCULUS						Periods:12			
Vector Differentiation – Scalar and vector point functions – Gradient of a Scalar point functions – Directional derivatives – Angle between two surfaces – Divergence and Curl of a vector point function – Properties (Statement only) – Solenoidal and Irrotational vector fields – Scalar potential –Conservative Field – Application of Vector Integration: Gauss Divergence Theorem and Stoke’s Theorem (excluding proof).										CO5
Lecture Periods: 45			Tutorial Periods: 15			Practical Periods: -		Total Periods: 60		
Text Books										
1. N. P. Bali and Dr. Manish Goyal, “A Text Book of Engineering Mathematics”, University science press, 11 th Edition, 2022.										
2. Dr. B. S. Grewal, “Higher Engineering Mathematics”, Khanna Publishers, New Delhi (India), 45 th Edition, 2024.										
3. M.K. Venkataraman, “Engineering Mathematics”, The National Publishing Company, 2 nd Edition Chennai, 2010.										
Reference Books										
1. G. Balaji, “Matrices and Calculus (Engineering Mathematics – I)” Balaji Publications, 9 th Edition June 2023										
2. A. Singaravelu, “Engineering Mathematics – I”, Meenakshi publications, 2019.										
3. Erwin Kreyszig, “Advanced Engineering Mathematics “, Wiley, 11 th Edition, 2020.										
4. B.V. Ramana,” Higher Engineering Mathematics”, Tata McGraw – Hill, New Delhi, 6 th Edition, 2018.										
5. C W. Evans, “Engineering Mathematics”, A Programmed Approach, 3 rd Edition, 2019.										
Web References										
1. http://www.yorku.ca/yaoguo/math1025/slides/chapter/kuttler-linearalgebra-slides- systems of equation-handout.pdf										
2. http://www.math.cum.edu/~wn0g/2ch6a.pdf										
3. https://wvanwijngaarden.info.yorku.ca/courses/linear-algebra-math-1025/										
4. https://en.wikipedia.org/wiki/System_of_linear_equations										
5. https://archive.nptel.ac.in/content/syllabus_pdf/111105121.pdf										

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	-	1	-	2	1	-	-	-	-	1	3	-	-
2	3	-	1	1	-	1	-	-	-	-	1	3	-	-
3	3	2	1	1	-	1	-	-	-	-	1	3	-	-
4	3	2	1	1	-	1	-	-	-	-	1	3	-	-
5	3	2	1	-	-	1	-	-	-	-	1	3	-	-

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	Physics / Chemistry	Programme: B.Tech.						
Semester	I/II	Course Category Code: BS				End Semester Exam Type: TE		
Course Code	U26BSTC01	Periods/Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	PHYSICAL SCIENCE FOR ENGINEERS	3	-	-	3	40	60	100
(Common to all Branches)								
Prerequisite	Physics of 12 th standard or equivalent / Chemistry of 12 th standard or equivalent.							
Course Outcome	On completion of the course, the students will be able to						BT Mapping (Highest Level)	
	CO1	Understand the basic of properties of magnetic and dielectric materials.						K2
	CO2	Identify the wave nature of the particles, physical significance of wave functions						K3
	CO3	Understand the basic principles, types of laser and fiber optics						K2
	CO4	Understand and familiar with Industrial and Municipal water treatment.						K3
	CO5	Understand the electrode potential for its feasibility in electrochemical reaction and uses of various batteries and Global scenario of E-waste in India-Case Studies.						K2
	CO6	Understand the specific operating condition under which corrosion occurs and Green Chemistry in electronic materials.						K2
SECTION A - PHYSICS								
UNIT-I	MAGNETIC MATERIALS, DIELECTRIC MATERIALS AND SUPERCONDUCTING MATERIALS				Periods: 8			
Introduction to magnetic materials, Ferromagnetism- Domain Theory-Types of energy-Hysteresis-Hard and Soft magnetic materials – Ferrites. Dielectric materials-Types of polarization – Langevin - Debye Equation-Frequency effects on polarization – Dielectric loss - Dielectric breakdown – Basic concept of Piezoelectric, Pyroelectric and ferroelectric materials. Superconducting materials Types and their properties.								CO1
UNIT-II	QUANTUM MECHANICS				Periods: 7			
Matter Waves – De-Broglie Wavelength – Heisenberg Uncertainty Principle –Physical Significance of wave functions - Schrodinger wave Equation - Time Dependent - Time Independent - Application to Particle in a One-Dimensional Box – Tunnel Diode (Principle, Construction and Working). Quantum Computing – Basic concept of Bit, Qubit – Properties and its Applications.								CO2
UNIT-III	LASER AND FIBER OPTICS				Periods: 7			
Lasers - Principles of Laser - Spontaneous and Stimulated Emissions - Einstein's Coefficients - Population Inversion and Laser Action –components of laser - Types of Lasers – Nd-YAG Laser, CO ₂ laser, Semiconductor Laser (Principle, Construction and Working) – Applications Fiber Optics - Principle and Propagation of light in optical fiber - Numerical aperture and acceptance angle - Types of optical fibers (material, refractive index, mode) – Fiber optical communication.								CO3
SECTION B – CHEMISTRY								
UNIT-IV	WATER AND ITS TREATMENT				Periods: 8			
Water: Sources and impurities, water parameters, Hardness of water – Cause, types, units, disadvantages of using hard water in boiler. Industrial Application – water softening method -Internal Treatment, External Treatment– ion exchange and zeolite process, water purification methods - Reverse osmosis. Municipal water treatment: primary treatment and disinfection method.								CO4
UNIT-V	ELECTROCHEMISTRY AND ENERGY STORAGE				Periods: 8			
Introduction - Galvanic cells, single electrode potential – Derivation of Nernst Equation, electrochemical series. EMF of a cell and its measurement. Reference electrodes-hydrogen and calomel electrode Batteries – introduction, representation of battery, Types - Alkaline battery, Lithium-ion battery- Types and its Applications. Fuel cell H ₂ -O ₂ fuel cell - applications. Industrial applications - E-Waste Management-Global scenario of E-waste-E-waste in India-Case Studies								CO5
UNIT-VI	CORROSION AND GREEN CHEMISTRY				Periods: 7			
Corrosion –Introduction - factors – types – chemical, electrochemical corrosion (galvanic, differential aeration), corrosion protectin – sacrificial anodic method and impressed current cathodic method. Metallic Coatings – Anodic coating, cathodic coating, Industrial Application -Automotive and Aerospace. Principles of Green Chemistry, future trends in ecofriendly electronic materials.								CO6
Lecture Periods: 45		Tutorial Periods: -		Practical Periods: -		Total Periods: 45		
Text Books								
1. M N Avadhanulu., P G Kshirsagar., TVS Arun Murthy, “A Textbook of Engineering Physics”, 11 th Edition, S.Chand Publications, New Delhi 2019.								
2. S.S Dara – “A text book of Engineering Chemistry” - 15 th Edition, 2021. S.Chand Publications.								
3. C.Jain, Monica Jain, —” Engineering ChemistryII” 17 th Ed. Dhanpat Rai Pub. Co., New Delhi, (2015).								
Reference Books								
1. V Rajendran, “Engineering Physics”, 2 nd Edition, TMH, New Delhi 2011.								
2. William D Callister Jr., “Material Science and Engineering”, 6 th Edition, John Wiley and sons, 2009.								
3. Jain & Jain “Engineering chemistry”, 23 rd Edition, DhanpatRai Publishing Company. 2022								
4. Mars Fontana “Corrosion Engineering”, July 2017								
5. JinaRedlin. “Handbook of Electrochemistry”. March 28. 2005								

Web References

1. https://www.sciencedaily.com/terms/materials_science.htm.
2. <https://edurev.in/t/428745/Quantum-Computing>
3. <https://mechanicalc.com/reference/engineering-materials>
4. <https://study.com/academy/lesson/semiconductors-superconductors-definition-properties.html>
5. <https://mechanicalc.com/reference/engineering-materials>

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	2	2	2	2	-	-	-	-	-	-	-	-	-
2	3	-2	3	2	-	-	-	-	-	-	-	-	-	-
3	3	2	3	2	-	-	-	-	-	-	-	-	-	-
4	3	1	-	-	-	-	-	-	-	-	-	-	-	-
5	3	1	-	-	-	-	-	-	-	-	-	-	-	-
6	3	1	-	-	-	-	-	-	-	-	-	-	-	-

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	Electrical and Electronics Engineering				Programme: B.Tech.						
Semester	I				Course Category Code: PC		End Semester Exam Type: TE				
Course Code	U26EET101				Periods/Week		Credit	Maximum Marks			
					L	T	P	C	CAM	ESE	TM
Course Name	FUNDAMENTALS OF ELECTRICAL AND ELECTRONICS ENGINEERING				3	-	-	3	40	60	100
EEE											
Prerequisite	Mathematics, Physics, Chemistry										
Course Outcomes	On completion of the course, the students will be able to										BT Mapping (Highest Level)
	CO1	Evaluate the current, voltage and power using different laws in DC circuits									K3
	CO2	Analyze the different AC circuits and impart the concepts of poly phase system.									K4
	CO3	Apply the various wiring with the preventive safety measures.									K3
	CO4	Acquire knowledge about semiconductor devices and their characteristics for applications like rectifiers, clippers, clampers and regulator circuits.									K2
	CO5	Gain knowledge of transistor biasing techniques and stability considerations for applications like amplifier and switching circuits.									K2
UNIT-I	DC Circuits							Periods:09			
Concept of Potential difference, current, work, power, energy -Electrical networks and its types – active and passive elements - ideal and practical sources, concept of dependent and independent sources - Ohm’s law, Kirchhoff’s laws, Current and voltage division rule, Simplification of networks using series, parallel connection - Network solutions using Mesh and Nodal analysis, Star/Delta transformation.											CO1
UNIT-II	AC Circuits							Periods:09			
AC waveform definitions - form factor, peak factor, R-L, R-C, RLC series circuit, R-L-C parallel circuit, phasor representation in polar and rectangular form, concept of impedance, admittance, active, reactive, apparent and complex power, power factor, Resonance in series and parallel circuits, band-width and quality factor, Three Phase balanced AC Circuits (Y-Δ and Y-Y) – Power Measurement – Two Wattmeter method.											CO2
UNIT-III	Electrical Safety and Wiring							Periods:09			
Safety measures in electrical system – Layout of electrical power system and its functions– Insulators, fuses, relays and circuit breakers- Electrical shock and rescue methods – Applications. Types of earthing – Difference between neutral and earth wire. Electrical tools and accessories–Wiring Standards – Domestic power distribution - Types of wiring – domestic wiring: Staircase, fluorescent lamp. industrial wiring: Factory wiring – Godown wiring, Commercial wiring.											CO3
UNIT-IV	Semiconductor Diodes and Applications							Periods:09			
Semiconductor – PN junction diode: Forward and Reverse bias – Effect of temperature – Static and Dynamic resistance – Equivalent models – Transition and diffusion capacitances – Reverse Recovery time. Diode applications: Rectifier, Half wave and Full wave rectifier. Clippers and Clampers. Zener diode: VI Characteristics – Zener as regulator – Introduction to SiC diodes.											CO4
UNIT-V	Bipolar Junction Transistor							Periods:09			
BJT: NPN and PNP transistors – Ebers - Moll Model – CB, CE and CC configurations – Transistor characteristics – Biasing – DC and AC load line – Operating point – Stabilization – Bias compensation techniques – Thermal stability and runaway – Amplification – Transistor switching times – Base width modulation – Breakdown voltage – Voltage in open emitter configuration and open base configuration – BJT ratings – Introduction to HBT and SJT.											CO5
Lecture Periods:45			Tutorial Periods:-			Practical Periods:-			Total Periods:45		
Text Books											
1. R. K. Rajput, “Basic Electrical and Electronics Engineering”, University Science Press, 2 nd Edition, 2017.											
2. Dr. R. Saravanakumar, Dr.V. Jegathesan, Dr. K. Vinoth Kumar, Dr. K. Kowsalya, “Basic Electrical and Electronics Engineering”, Wiley Publisher, 2 nd Edition, 2022.											
3. R. Muthusubramaniam, S. Salivahanan and K. A. Mureleedharan, “Basic Electrical Electronics and Computer Engineering”, Tata McGraw Hill, 2018.											
Reference Books											
1. A. Sudhakar and S. P. Shyam Mohan, “Circuits and Networks: Analysis and Synthesis”, Tata McGraw Hill Publishing Company Ltd., New Delhi, 4 th Edition, 2017.											
2. D. P. Kothari and I. J. Nagrath, “Electric Machines”, Tata McGraw Hill, New Delhi, 5 th Edition, 2017.											
3. B. L. Theraja, A. K. Theraja, “A Textbook of Electrical Technology – Volume - II”, S Chand & Co. Ltd., New Delhi, 24 th Edition, 2024.											
4. David. A. Bell, “Electronic Devices and Circuits”, PHI Learning Private Ltd, India, 4 th Edition, 2020											
5. Wayne Tomasi, “Electronic Communication Systems- Fundamentals Theory Advanced”, Pearson Education, 6 th Edition, 2018.											
Web References											
1. https://www.electrical4u.com/											
2. https://www.allaboutcircuits.com/											
3. https://nptel.ac.in/courses/108105112/											
4. https://nptel.ac.in/courses/108108076/											
5. https://demonstrations.wolfram.com/											

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	3	3	1	2	-	-	-	-	-	1	3	2	3
2	3	3	3	1	2	-	-	-	-	-	1	3	2	3
3	3	3	3	1	2	-	-	-	-	-	1	3	2	3
4	3	3	3	1	2	-	-	-	-	-	1	3	2	3
5	3	3	3	1	2	-	-	-	-	-	1	3	2	3

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	Computer Science and Engineering			Programme: B.Tech						
Semester	I			Course Category: ES			End Semester Exam Type: TE			
Course Code	U26ESTCXX			Periods/Week			Credit		Maximum Marks	
				L	T	P	C	CAM	ESE	TM
Course Name	PROGRAMMING IN C			3	-	-	3	40	60	100
Prerequisite	Basic Computer Knowledge									
Course Outcome	On completion of the course, the students will be able to							BT Mapping (Highest Level)		
	CO1	Apply basic C programming constructs to solve simple computational problems.							K3	
	CO2	Use arrays and functions effectively to modularize and structure C programs.							K2	
	CO3	Implement data organization using structures, unions, and related advanced concepts.							K3	
	CO4	Develop programs using pointers and perform various file operations in C.							K3	
	CO5	Utilize dynamic memory techniques and preprocessors to build efficient C applications.							K4	
UNIT - I	FUNDAMENTALS OF C PROGRAMMING							Periods: 09		
Introduction to C Language Programming – Conversion from Source Code to Object Code – Constants, Variables and Data Types – Operators and Expressions – Managing Input and Output Operations – Decision Making and Branching – Looping.									CO1	
UNIT - II	ARRAYS, FUNCTIONS AND STRINGS							Periods: 09		
Arrays: One Dimensional Arrays – Two-Dimensional Arrays – Character arrays. Functions: Types of Functions – Built-in Functions – User Defined Functions – Category of Functions – Nested Functions – Recursive Functions. Strings: String Manipulation using String functions.									CO2	
UNIT - III	STRUCTURES AND UNIONS							Periods: 09		
Structures: Declaration and usages of Structures – Array of Structure – Structure within Structure – Self Referential Structure – Structures and Functions. Union: Size of Structures – Declaration and usages of Unions - Bit Fields.									CO3	
UNIT - IV	POINTERS AND FILE MANAGEMENT							Periods: 09		
Pointers: Declaration and usages – Pointer operators – Pointer Expressions – Pointer Arithmetic – Pointers and Arrays – Pointers and Char Arrays – Call by values and Call by Reference. File Management: Opening a File – Modes of the files – I/O operations on Files – Error Handling During I/O operations – Command Line Arguments.									CO4	
UNIT - V	DYNAMIC MEMORY ALLOCATION, PREPROCESSORS AND COMMAND LINE ARGUMENTS							Periods: 09		
Dynamic Memory Allocation using functions. Preprocessors: Macro Substitution – File Inclusion – Compiler Control Directives. Command Line Arguments: argv[] and argc.									CO5	
Lecture Periods: 45			Tutorial Periods: -			Practical Periods: -			Total Periods: 45	
Text Books										
1. E. Balagurusamy, " Programming in ANSI C", McGraw Hill, 8 th Edition, 2023. 2. Jens Gustedt, "Modern C", Manning Publications, 3 rd Edition, 2025. 3. Robert C. Seacord, "Effective C: An Introduction to Professional C Programming", No Starch Press, 2 nd Edition, 2024. 4. Manmohan Singh, Rahul Sharma, Neeraj K. Rathore, Urmila S. Soni, "C Programming", Arcler Press, 1 st Edition, 2024. 5. Yashavant Kanetkar, "Let Us C", BPB Publications, 19 th Edition, 2022.										
Reference Books										
1. Reema Thareja, Computer Fundamentals and Programming in C, Oxford University Press, 3 rd Edition, 2023. 2. Dr. Bhoomi Shah, Dr. Pratik Kanani & Dr. Rajesh Bansode, Practice Problems in C, RIGI Publications, 1 st Edition, 2024. 3. Dr. Dipali P. Meher, Prof. Meenal K. Jabde, Prof. Alaknanda N. Pawar & Prof. Nikita S. Gaikwad, Learning By Doing:C Programming, Bhumi Publishing, 1 st Edition, 2024. 4. G. Samidurai, C Programming, Iterative International Publishers (IIP), 1 st Edition, 2024. 5. Y. S. Rathore & S. K. Gupta, C Programming: A Practical Approach, Dreamtech Press, 1 st Edition, 2023.										
Web References										
1. https://www.tutorialspoint.com/cprogramming/index.htm 2. https://www.geeksforgeeks.org/c-programming-language/ 3. https://www.w3schools.com/c/ 4. https://www.learn-c.org/ 5. https://www.gnu.org/software/libc/manual/										

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	3	2	2	1	-	-	-	-	1	2	3	2	3
2	3	3	3	2	1	-	-	-	-	1	2	2	2	-
3	3	2	2	2	1	-	1	-	-	1	2	3	3	3
4	3	3	3	3	2	-	-	-	-	1	2	3	3	-
5	3	3	3	3	2	-	1	-	-	1	2	2	2	-

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	Electrical and Electronics Engineering				Programme: B.Tech							
Semester	I				Course Category: ES			End Semester Exam Type: TE				
Course Code	U26EST102				Periods/Week			Credit	Maximum Marks			
					L	T	P	C	CAM	ESE	TM	
Course Name	ENGINEERING SCIENCE FOR ELECTRICAL ENGINEERING				3	-	-	3	40	60	100	
Prerequisite	Mathematics, Physics, Chemistry											
Course Outcomes	On completion of the course, the students will be able to								BT Mapping (Highest Level)			
	CO1	Identify and analyze the electrical properties of materials using free electron and band theories and classify conductors, semiconductors, and insulators.								K4		
	CO2	List the properties and applications of modern engineering materials.								K1		
	CO3	Understand thermodynamic laws and heat transfer mechanisms and apply them to cooling of electrical equipment.								K2		
	CO4	Describe and analyze the working principles and performance of IC engines and power cycles including Otto, Diesel, Brayton, and Rankine cycles.								K2		
	CO5	Describe the working principles of pumps, turbines and refrigeration								K2		
UNIT – I		Electrical Properties of Materials						Periods:9				
Classical free electron theory – postulates – expression for electrical conductivity – expression for thermal conductivity – Wiedemann–Franz law – success and failures – quantum free electron theory – postulates – Fermi-Dirac statistics – density of energy states – band theory of solids – postulates – Bloch theorem – energy bands from electron wave reflections – metals, semiconductors and insulators – electron effective mass (qualitative) – concept of hole											CO1	
UNIT – II		Modern Engineering Materials						Periods:9				
Superconductors: Basic phenomena - excitations and energy gap - Meissener effect - Type-I and Type-II superconductors - High-temperature superconductors- Preparation and Applications. Advanced materials: Liquid crystals Display (LCD) - types - shape memory alloys (SMA) - properties and applications of SMA – Metallic Glasses - Nanomaterials - methods of synthesis (CVD AND PVD)- properties and applications of nanomaterials - carbon nanotubes (CNT) - synthesis (Electric Arc Discharge and LASER ablation), properties. Applications of nanotechnology: Aerospace components, sensors, medicine.											CO2	
UNIT – III		Thermodynamics and Heat Transfer						Periods:9				
Basic concepts – System, surroundings, properties – Zeroth law – First law of thermodynamics – Internal energy and enthalpy – Heat engines and refrigerators – Second law – Entropy – Heat transfer modes: conduction, convection, radiation – Applications in electrical equipment cooling.											CO3	
UNIT – IV		IC Engines and Power Cycles						Periods:9				
IC Engine: Classifications - Basic components and terminology of IC engines - working of two stroke/four stroke - SI and CI engine - application of IC engines. Power Cycles: Otto cycle - Diesel cycle - Dual cycle - Brayton cycle – Rankine cycle											CO4	
UNIT – V		Pumps, Turbines, Refrigeration and Air-Conditioning						Periods:9				
Pumps: Basic concepts of centrifugal and reciprocating pumps - constructional details and working principle; Turbines: Principle and working of Pelton wheel, Francis and Kaplan turbine; Refrigeration and air conditioning: Principle and working of vapour compression and absorption systems, layout of typical domestic refrigerator; window and split type room air conditioners											CO5	
Lecture Periods: 45			Tutorial Periods:			Practical Periods: -			Total Periods: 45			
Text Books												
1. R.K. Gaur and S.L. Gupta, Engineering Physics, 8 th Edition, Dhanpat Rai Publications, New Delhi, 2001. 2. S.O. Pillai, Solid State Physics, 10 th Edition, New Age International Publishers, New Delhi, 2022. 3. R.K. Rajput, Thermal Engineering, 11 th Edition, Laxmi Publications, New Delhi, 2023. 4. S. Arumugam, Engineering Physics, Revised Edition, Vikas Publishing House Pvt. Ltd., New Delhi, 2010.												
Reference Books												
1. David Halliday, Robert Resnick and Jearl Walker, Fundamentals of Physics, 12 th Edition, Wiley, 2021. 2. R.K. Bansal, Thermal Engineering, 5 th Edition, Laxmi Publications, New Delhi, 2010. 3. A.K. Ghatak and K. Thyagarajan, Optical Electronics, 1 st Edition, Cambridge University Press, 1989. 4. R.S. Khurmi and J.K. Gupta, A Textbook of Thermal Engineering, 14 th Edition, S. Chand & Company Ltd., New Delhi, 2015. 5. William D. Callister Jr. and David Rethwisch, Materials Science and Engineering: An Introduction, 9 th Edition, Wiley, 2014.												

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1. <https://onlinecourses.nptel.ac.in/>
2. <https://ocw.mit.edu/courses/materials-science-and-engineering/>
3. <http://hyperphysics.phy-astr.gsu.edu/>
4. <https://www.electronics-tutorials.ws/optical/optical-fiber.html>
5. <https://www.britannica.com/science/thermodynamics>

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	2	2	3	–	–	–	–	–	–	1	1	1	1
2	3	3	2	3	–	1	–	–	–	–	1	1	1	1
3	3	3	3	2	2	1	–	–	–	–	1	1	1	1
4	3	3	3	3	1	1	–	–	–	–	1	1	1	1
5	3	3	2	2	2	1	–	–	–	–	1	1	1	1

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	English			Programme: B. Tech.						
Semester	I			Course Category: HS		End Semester Exam Type: TE				
Course Code	U26ENBC01			Periods/Week		Credit	Maximum Marks			
				L	T	P	C	CAM	ESE	TM
Course Name	COMMUNICATIVE ENGLISH - I			2	-	2	3	50	50	100
(Common to ALL Branches except CSBS)										
Prerequisite	Basics of English Language									
Course Outcomes	On completion of the course, the students will be able to									BT Mapping (Highest Level)
	CO1	Comprehend the communication flow within organizations and explain their objectives								K2
	CO2	Apply appropriate grammatical structures to write technical content with clarity and accuracy								K2
	CO3	Articulate with correct pronunciation and overcome vernacular impact in speaking								K3
	CO4	Enhance communication skills and confidence through structured activities								K2
	CO5	Apply LSRW skills effectively in interpersonal contexts								K3
UNIT - I	Foundations of Communication & Grammar					Periods:10				
Communication, Definition, Process, Channels, Barriers, Strategies for Effective Communication, Verbal and Nonverbal Communication - Listening, Types, Barriers, Enhancing Listening Skills - Basic Grammar: Parts of Speech, Introduction to Tenses										CO1
UNIT - II	Comprehension Strategies and Common Errors in Writing					Periods:10				
Reading Comprehension: Technical Passage, Strategies: Skimming, Scanning, Prediction, Intensive and Extensive Reading, Spotting Errors: Concord, Articles, Prepositions, Tense										CO2
UNIT - III	Phonetics					Periods:10				
Pronunciation Guidelines to consonants and vowels, Sounds Mispronounced, Silent and Non-silent Letters, Intonation, Spelling Rules and Words often misspelled, Mother Tongue Influence (MTI), Various Techniques for Neutralization of Mother Tongue										CO3
UNIT - IV	Communication Practice - I					Periods:15				
List of Exercises Listening: Self Introduction videos Speaking: Self-Introduction Reading: Non-Technical Comprehension Passage Writing: Free Writing										CO4
UNIT - V	Interpersonal Communication - I					Periods:15				
List of Exercises Listening: Native Speaker's Speech Speaking: Extempore Reading: Assertive Vs Aggressive Communication Writing: Dialogue Writing										CO5
Lecture Periods: 30		Tutorial Periods: -		Practical Periods: 30		Total Periods: 60				
Text Books										
1. Rizvi, M. Ashraf & Priyadarshi Patnaik, <i>Effective Technical Communication</i> , 3rd Edition, McGraw Hill Education (India), 2024. 2. Richa Mishra, Ratna Rao, " <i>A textbook of English Language Communication Skills</i> ", Macmillan Publishers India Private Ltd., Revised Edition 2021. 3. T. Balasubramanian, "A Textbook of English Phonetics for Indian Students", Macmillan Education, Revised Edition, 2019.										
Reference Books										
1. George Yule, " <i>The Study of Language</i> ", Cambridge University Press, 7 th Edition, 2020. 2. Debashish Gupta, " <i>Interpersonal Communication</i> ", Concept Publishing Company, Latest Edition, 2019. 3. B. Priestly, " <i>English Pronunciation and Speech</i> ", Pearson Education, Latest Edition, 2019. 4. Michael Swan, " <i>Practical English Usage</i> ", Oxford University Press, 4 th Edition, 2016. 5. Adrian Doff & Christopher Jones, " <i>Language in Use (Upper-Intermediate)</i> ", Cambridge University Press, Latest Edition, 2018.										
Web References										
1. https://lemongrad.com/subject-verb-agreement-rules/ 2. https://www.grammarly.com/blog/sentence-structure/ 3. https://www.wikihow.com/Write-a-Summary 4. https://www.skillsyouneed.com/ips/communication-skills.html 5. https://pronuncian.com/english-pronunciation-guide										

* TE – Theory Exam, LE – Lab Exam

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	1	-	-	-	-	-	1	-	3	-	2	-	-	-
2	1	-	-	-	-	-	1	-	3	-	2	-	-	-
3	1	-	-	-	-	-	1	-	3	-	2	-	-	-
4	1	-	-	-	-	-	1	-	3	-	2	-	-	-
5	1	-	-	-	-	-	1	-	3	-	2	-	-	-

Correlation Level: 1-Low, 2-Medium, 3-High

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	3	3	3	3	-	-	-	2	-	1	3	2	2
2	3	3	3	3	3	-	-	-	3	-	2	3	2	2
3	3	3	3	3	3	-	-	-	3	-	1	3	2	2
4	3	3	3	3	3	-	-	-	3	-	1	3	2	2
5	3	3	3	3	3	-	-	-	3	-	2	3	2	2

Correlation Level: 1 – Low, 2 – Medium, 3 – High

Department	Electrical and Electronics Engineering			Programme: B.Tech						
Semester	I			Course Category: PC			End Semester Exam Type: LE			
Course Code	U26EEP101			Periods/Week			Credit	Maximum Marks		
				L	T	P	C	CAM	ESE	TM
Course Name	FUNDAMENTALS OF ELECTRICAL AND ELECTRONICS ENGINEERING LAB			-	-	2	1	50	50	100
EEE										
Prerequisite	Physics									
Course Outcomes	On completion of the course, the students will be able to								BT Mapping (Highest Level)	
	CO1	Implement the knowledge of electrical tools, accessories, symbols, fuses, circuit breakers, and safety precautions in practical electrical installations.							K3	
	CO2	Analyze and execute domestic wiring systems such as staircase, doctor's room, godown, and ceiling fan wiring according to standard practices.							K4	
	CO3	Measure and determine RMS, average, peak values, and three-phase power in AC circuits using appropriate instruments and techniques.							K3	
	CO4	Evaluate the performance of diodes, rectifiers, clamper circuits, and Zener voltage regulators using experimental methods.							K3	
	CO5	Design and verify common-emitter characteristics and voltage divider biasing circuits using BJT operating principles.							K3	
List of Experiments:										
Study of electrical tools, accessories, joints, symbols and safety precautions. Study of different types of Fuses, Circuits breakers, AC and DC meters.										
1. Domestic Wiring Practice (i) Staircase wiring and Doctor's room wiring (ii) Godown wiring and Ceiling fan 2. Measurement of RMS, Average and Peak Values of AC waveform 3. Design of Domestic power distribution. 4. Estimation of material requirement for Residential building/Flat wiring 5. Estimation of material requirement for industrial wiring 6. Measurement of Power in a Three-Phase Balanced Load Using Two-Wattmeter Method 7. Determination of V–I Characteristics of PN Junction Diode and Zener Diode 8. Performance Analysis of Half-Wave and Full-Wave Rectifiers with Capacitor Filter 9. Design and Analysis of Diode-Based Clamper Circuits for DC Level Shifting 10. Design and Implementation of a Zener Diode Based Voltage Regulator 11. Determination of Input and Output Characteristics of BJT in Common-Emitter Configuration 12. Design and Analysis of Voltage Divider Bias Circuit for BJT										
Lecture Periods: -			Tutorial Periods: -			Practical Periods: 30		Total Periods: 30		
TextBooks										
1. R. K. Rajput, "Basic Electrical and Electronics Engineering", University Science Press, 2nd Edition, 2017. 2. Dr. R. Saravanakumar, Dr.V. Jegathesan, Dr. K. Vinoth Kumar, Dr. K. Kowsalya, "Basic Electrical and Electronics Engineering", Wiley Publisher, 2nd Edition, 2022. 3. R. Muthusubramaniam, S. Salivahanan and K. A. Mureleedharan, "Basic Electrical Electronics and Computer Engineering", Tata McGraw Hill, 2018.										
Reference Books										
1. A. Sudhakar and S. P. Shyam Mohan, "Circuits and Networks: Analysis and Synthesis", Tata McGraw Hill Publishing Company Ltd., New Delhi, 4 th Edition, 2017. 2. D. P. Kothari and I. J. Nagrath, "Electric Machines", Tata McGraw Hill, New Delhi, 5 th Edition, 2017. 3. B. L. Theraja, A. K. Theraja, "A Textbook of Electrical Technology – Volume - II", S Chand & Co. Ltd., New Delhi, 24 th Edition, 2024. 4. David. A. Bell, "Electronic Devices and Circuits", PHI Learning Private Ltd, India, 4 th Edition, 2020 5. Wayne Tomasi, "Electronic Communication Systems- Fundamentals Theory Advanced", Pearson Education, 6 th Edition, 2018.										
Web References										
1. https://www.electrical4u.com/ 2. https://www.allaboutcircuits.com/ 3. https://nptel.ac.in/courses/108105112/ 4. https://nptel.ac.in/courses/108108076/ 5. https://demonstrations.wolfram.com/										

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	3	3	3	3	-	-	-	2	-	1	3	2	2
2	3	3	3	3	3	-	-	-	3	-	2	3	2	2
3	3	3	3	3	3	-	-	-	3	-	1	3	2	2
4	3	3	3	3	3	-	-	-	3	-	1	3	2	2
5	3	3	3	3	3	-	-	-	3	-	2	3	2	2

Correlation Level: 1 – Low, 2 – Medium, 3 – High

Department	Computer Science and Engineering			Programme: B.Tech						
Semester	I			Course Category: ES			End Semester Exam Type: TE			
Course Code	U26ESPCXX			Periods/Week		Credit	Maximum Marks			
				L	T	P	C	CAM	ESE	TM
Course Name	PROGRAMMING IN C LAB			-	-	2	1	50	50	100
Prerequisite	Basic Computer Knowledge									
Course Outcomes	On completion of the course, the students will be able to							BT Mapping (Highest Level)		
	CO1	Apply basic C programming constructs to solve simple computational problems.							K3	
	CO2	Use arrays and functions effectively to modularize and structure C programs.							K2	
	CO3	Implement data organization using structures, unions, and related advanced concepts.							K3	
	CO4	Develop programs using pointers and perform various file operations in C.							K3	
	CO5	Utilize dynamic memory techniques and preprocessors to build efficient C applications.							K4	
CYCLE I	FUNDAMENTALS OF C PROGRAMMING						Periods: 06			
1. Write Program in C to find Area of a Triangle. 2. Write Program in C to check odd or even. 3. Write a Program in C to print the sum of n numbers. 4. Write a Program in C to print the Fibonacci series.									CO1	
CYCLE II	ARRAYS AND FUNCTIONS						Periods: 06			
5. Write a Program in C to search an element in an array using Linear Search. 6. Write a program in C to sort an array using Bubble Sorting. 7. Write a program in C to find the factorial of a given number using Recursive function.									CO2	
CYCLE III	STRUCTURES AND UNIONS						Periods: 06			
8. Write a program in C to achieve Structure within Structure and Self-Referential Structure. 9. Write a program in C to create a Union for a student details.									CO3	
CYCLE IV	POINTERS AND FILE MANAGEMENT						Periods: 06			
10. Write a program in C to achieve Call by Reference. 11. Write a program in C to read the content of a file and remove all the vowels and store the remaining string in another file. 12. Write a program in C to do an addition of two numbers using Command Line Arguments.									CO4	
CYCLE V	DYNAMIC MEMORY ALLOCATION AND PREPROCESSORS						Periods: 06			
13. Write a program in C to allocate multiple block of memory and also to release the used space from the allocated memory. 14. Write a program in C include user-defined header files using preprocessors.									CO5	
Lecture Periods: -		Tutorial Periods: -		Practical Periods: 30		Total Periods: 30				
Reference Books										
1. Reema Thareja, Computer Fundamentals and Programming in C, Oxford University Press, 3 rd Edition, 2023. 2. Dr. Bhoomi Shah, Dr. Pratik Kanani & Dr. Rajesh Bansode, Practice Problems in C, RIGI Publications, 1 st Edition, 2024. 3. Dr. Dipali P. Meher, Prof. Meenal K. Jabde, Prof. Alaknanda N. Pawar & Prof. Nikita S. Gaikwad, Learning By Doing: C Programming, Bhumi Publishing, 1 st Edition, 2024. 4. G. Samidurai, C Programming, Iterative International Publishers (IIP), 1 st Edition, 2024. 5. Y. S. Rathore & S. K. Gupta, <i>C Programming: A Practical Approach</i> , Dreamtech Press, 1 st Edition, 2023.										

Web References

1. <https://www.tutorialspoint.com/cprogramming/index.htm>
2. <https://www.geeksforgeeks.org/c-programming-language/>
3. <https://www.w3schools.com/c/>
4. <https://www.learn-c.org/>
5. <https://www.gnu.org/software/libc/manual/>

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	3	2	2	1	-	-	-	-	1	2	3	2	3
2	3	3	3	2	1	-	-	-	-	1	2	2	2	-
3	3	2	2	2	1	-	1	-	-	1	2	3	3	3
4	3	3	3	3	2	-	-	-	-	1	2	3	3	-
5	3	3	3	3	2	-	1	-	-	1	2	2	2	-

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	Electrical and Electronics Engineering	Programme: B.Tech						
Semester	I	Course Category: AEC				End Semester Exam Type:		
Course Code	U26AEC1XX	Periods/Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	CERTIFICATION COURSE - I	0	0	4	-	100	-	100

EEE

Prerequisite

-

Students shall choose an international certification course offered by the reputed organizations like Google, Microsoft, IBM, Texas Instruments, Bentley, Autodesk, Eplan and CISCO, etc. The duration of the course is 40-50 hours specified in the curriculum, which will be offered through Centre of Excellence.

Pass / Fail will be determined on the basis of participation, attendance, performance and completion of the course. If a candidate Fails, he/she has to repeat the course in the subsequent years. Pass in this course is mandatory for the award of degree.

Department	EEE	Programme: B. Tech						
Semester	I	Course Category: HS				End Semester Exam Type: -		
Course Code	U26EEM101	Periods / Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	STUDENT INDUCTION PROGRAM	3 Weeks			-	-	-	-
(Common to all Branch)								
Prerequisite	-							
Course Outcomes	On completion of the course, the students will be able to						BT Mapping (Highest Level)	
	Understand and reflect on their own values, relationships, and responsibilities through the process of self-exploration						K2	
	Adopt and practice basic health-enhancing routines for physical fitness and well-being.						K2	
	Understand their department's academic scope, institutional environment, and opportunities for innovation and contribution.						K2	
	Observe and relate to the local social, cultural, and community environment through experiential exposure.						K2	
	Gain insights from the experiences of eminent personalities to broaden their perspective on career, values, and life skills.						K2	
	Improve their basic competencies in communication, interpersonal skills, and expression for academic preparedness.						K2	
	Appreciate and interpret literary works to understand cultural, ethical, and contemporary human values.						K2	
	Express their creativity and appreciate humanistic values through participation in various art forms such as music, dance, drama, and visual arts.						K2	
	Engage in diverse extra-curricular and hobby-based activities that support their holistic development beyond academics.						K2	
SIP Module-1	Universal Human Values I (UHV I)				Periods: 20			
Welcome and Introductions - Getting to know each other, Aspirations and Concerns - Individual Academic and Career, Expectations of Family, Peers, Society, Nation, Fixing one's Goals, Self-Management - Self-confidence, Peer Pressure, Time Management, Anger, Stress Personality Development, Self-improvement, Health - Health issues, Healthy diet, Healthy lifestyle, Hostel life, Relationships - Home sickness, Gratitude towards Parents, Teachers and others Ragging and interaction, Competition and Cooperation, Peer Pressure, Society – Participation in Society, Natural Environment - Participation in Nature, Sum Up - Role of Education, Need for a Holistic Perspective, Self-evaluation and Closure - Sharing and feedback.							CO1	
SIP Module -2	Physical Health and Related Activities				Periods:30			
Importance of Physical Health and Fitness - Principles of a Healthy Lifestyle - Warm-up and Cool-down Techniques - Daily Exercise Routine: Flexibility, Endurance, Strength -Games and Sports – Indoor and Outdoor Activities - Yoga for Health: Basic Asanas, Breathing Practices, Relaxation Techniques -Hygiene Practices and Preventive Health - Posture Awareness and Ergonomics for Students - Healthy Habits for Hostel and Campus Life Importance of Sleep, Rest and Recovery - Self-Assessment: Tracking Fitness and Progress.							CO2	
SIP Module 3	Familiarization of Department/ Branch and Innovation				Periods: 06			
Introduction to the Institution: Vision, Mission, Core Values - Overview of the Department / Branch: Programs, Laboratories, Facilities - Structure of Curriculum, Credit System, Examination and Evaluation - Introduction to Faculty Members and Mentors - Exposure to Industry Trends Related to the Branch - Innovation and Creativity: Need, Process, and Opportunities - Institutional Innovation Council (IIC) and Start-up – cosystem - Departmental Clubs, Technical Societies, and Student Chapters - Career Prospects and Emerging Areas in the Discipline - Student Responsibilities, Code of Conduct, and Academic Integrity - Interaction and Q&A with Departmental Team.							CO3	
SIP Module 4	Visit to a Local Area				Periods: 8			
Purpose and Importance of Community Exposure - Identification of Local Areas for Visit (Village, Historical Site, Industry, NGO, Local Governance Unit, Ecosystems) - Interaction with Local Community Members - Understanding Local History, Culture, Traditions, and Practices - Observation of Social, Environmental, and Economic Aspects - Exposure to Local Issues, Challenges, and Resources - Community Participation and Civic Sense - Reflection and Group Discussion after Visit - Report Preparation, Presentation, and Sharing of Learning.							CO4	
SIP Module 5	Lectures by Eminent People				Periods: 06			

Introduction to Eminent Speakers from Academia, Industry, Arts, Social Work, and Innovation - Inspirational Life Journeys and Experiences of Speakers - Awareness Sessions on Career Planning, Emerging Technologies, and Higher Education - Talks on Human Values, Leadership, Ethics, and Social Contribution - Sessions on Art, Culture, Literature, and Creative Expression - Interaction with Alumni Achievers - Open Q&A Sessions with Resource Persons - Reflection: Key Takeaways and Personal Learning Logs.		CO5
SIP Module 6	Proficiency Modules	Periods:06
Basics of English Communication: Listening, Speaking, Reading, Writing - Vocabulary Building and Pronunciation Practice - Fundamentals of Grammar for Effective Communication - Interpersonal Communication and Presentation Skills - Digital Literacy: Basic Tools and Productivity Software - Introduction to Professional Etiquette and Body Language - Awareness of Regional and National Languages - Basic Exposure to NLP (Neuro Linguistic Programming) Concepts - Activities: Group Discussions, Role Play, Speech Practice - Self-Assessment and Feedback for Improvement.		CO6
SIP Module 7	Literature / Literary Activities	Periods:20
Introduction to Local, National, and International Literature - Reading Sessions: Short Stories, Poems, Essays, Biographies - Themes of Literature: Values, Culture, Society, Human Emotions - Literary Appreciation: Understanding Plot, Character, Tone, Message - Comparative Reading Across Cultures - Creative Writing: Poems, Short Stories, Personal Narratives - Book Review Activities and Group Discussions - Exposure to Classical and Contemporary Literary Works - Dramatization, Recitation, and Storytelling - Reflection on Values Derived from Literature - சிறப்பு சொற்பொழிவு - தமிழர் மரபு மற்றும் தமிழர் தொழில்நுட்பம்.		CO7
SIP Module 8	Creative Practices	Periods:20
Importance of Creativity and Humanistic Culture - Introduction to Art Forms: Music, Dance, Drama, Painting, Sculpture, Pottery - Basic Techniques and Hands-on Practice in Selected Art Forms - Creative Expression and Emotional Communication - Group Activities: Skits, Songs, Art Exhibitions - Campus Cultural Mapping and Talent Discovery - Role of Arts in Personal Growth and Community Harmony - Presentation of Creative Work and Peer Appreciation - Reflection on Experience and Learning through Art.		CO8
SIP Module 9	Extra Curricular Activities	Periods:06
Orientation to Various Clubs: Sports, Music, Arts, Photography, Debate, Quiz, Gardening, Social Service - Participation in Club Activities and Competitions - Development of Hobbies and Personal Interests - Leadership and Team-Building Through Activities - Planning and Organizing Events - Cultural and Festival Celebrations - Campus Cleanliness Drives and Volunteer Activities - Encouraging Long-term Participation Beyond SIP - reflection and Sharing of Experience.		CO9
		Total Periods: 120
Reference Books		
1. A Foundation Course in Human Values and Professional Ethics, R.R Gaur, R. Asthana, G.P. Bagaria, 2nd Revised Edition, Excel Books, New Delhi, 2019. ISBN 978-93-87034-47-1 (AICTE Recommended) 2. "Principles and Labs for Fitness and Wellness" – W.K. Hoeger & S.A. Hoeger - 2014 3. "Engineering Exploration: A Practice-Oriented Introduction to Engineering" – S.R. Prasad - 2013 4. "Research Methodology: Methods and Techniques" – C.R. Kothari - 2004 (2nd Edition) 5. "Wings of Fire" - A.P.J. Abdul Kalam - 1999 6. "Technical Communication" – Meenakshi Raman & Sangeeta Sharma - 2015 (3rd Ed.) 7. "World Literature: An Anthology of Great Short Stories, Poetry and Drama" – McGraw Hill - 2004 8. "Dance: A Creative Art Experience" – Margaret H'Doubler - 1998 Edition 9. "Co-Curricular Activities in School Education" – NCERT - 2015 10. தமிழக வரலாறு - மக்களும் பண்பாடும், பிள்ளை, கே. கே. , சென்னை : உலகத் தமிழாராய்ச்சி நிறுவனம் , 2002. 11. கணிணித்தமிழ் - முனைவர் இல.சுந்தரம், விகடன் பிரசுரம். 12. கீழடி - வைகை நதிக்கரையில் சங்க கால நகர நாகரிகம், தமிழக தொல்லியல் துறை. 13. "The Seven Habits of Highly Effective People" - Stephen R. Covey - 1989 14. "Fitness and Wellness" – Carol K. Armbruster - 2017 15. "Engineering Exploration: A Practice-Oriented Introduction to Engineering" – S.R. Prasad - 2013		
Web References		
1. https://www.aicte-india.org/uhv 2. https://fitindia.gov.in 3. https://www.aicte-india.org/education 4. https://www.incredibleindia.org 5. https://media.un.org/en		6. https://nlpu.com 7. https://www.poetryfoundation.org 8. https://www.khanacademy.org/humanities/art-history 9. https://www.hobbyindia.com

Semester-II

Department	Mathematics			Programme: B.Tech.						
Semester	II			Course Category Code: BS			End Semester Exam Type: TE			
Course Code	U26MATC02			Periods/Week		Credit	Maximum Marks			
				L	T	P	C	CAM	ESE	TM
Course Name	ENGINEERING MATHEMATICS – II			3	1	-	4	40	60	100
(Common to ALL Branches Except CSE&BS)										
Prerequisite	Basic Mathematics									
Course Outcome	On completion of the course, the students will be able to									BT Mapping (Highest Level)
	CO1	Understand and apply Fourier series for periodic functions including half-range expansions and Parseval's identity.								K3
	CO2	Analyze functions using Fourier transforms and their properties including convolution and Parseval's identity.								K4
	CO3	Apply Laplace transforms to solve differential equations using properties and theorems.								K3
	CO4	Analyze and solve linear ordinary differential equations using inverse Laplace transforms and convolution theorem.								K4
	CO5	Analyze Z-transforms to solve difference equations arising in discrete-time systems.								K4
UNIT – I	FOURIER SERIES						Periods:12			
Periodic functions – Continuous and Discontinuous function – Dirichlet's conditions – General Fourier series – Fourier series expansion of Odd and Even functions – Half-Range expansion of sine series and cosine series – Change of intervals in Fourier series – Root mean square – Parseval's Identity on Fourier coefficients.										CO1
UNIT – II	FOURIER TRANSFORMS						Periods:12			
Fourier transform of a function – Existence of Fourier Transforms – Fourier sine and cosine Transforms – Inverse Fourier Transform - Inverse Fourier sine and cosine Transforms – Properties of Fourier Transform – Properties of Fourier Sine and Cosine Transform (excluding proof) – Parseval's Identity for Fourier transform - Convolution of Fourier transform (excluding proof).										CO2
UNIT – III	LAPLACE TRANSFORMS						Periods:12			
Condition for the Existence of Laplace Transform – Laplace transforms of some elementary functions – Basic properties of Laplace Transform (excluding proof) – Laplace transforms of derivatives – Laplace transforms of integrals – Laplace transforms of Periodic functions – Initial and final value theorems of Laplace Transform.										CO3
UNIT – IV	INVERSE LAPLACE TRANSFORMS						Periods:12			
Inverse Laplace Transforms – Resolve in to Partial Fraction – Convolution theorem (excluding proof) – Solutions of Linear second order Ordinary Differential Equations with constant coefficients.										CO4
UNIT – V	Z – TRANSFORMS						Periods:12			
Z-transform – Linear Property – Z Transform of Elementary Functions – Inverse Z-transforms using method of partial fraction and Z-transforms using Residues Theorem - Convolution theorem (excluding proof) – Solution of difference equations using Z - transform.										CO5
Lecture Periods: 45			Tutorial Periods: 15		Practical Periods: -			Total Periods: 60		
Text Books										
1. N. P. Bali and Dr. Manish Goyal, "A Text Book of Engineering Mathematics", University science press, 11 th Edition, 2022.										
2. Dr. B. S. Grewal, " <i>Higher Engineering Mathematics</i> ", Khanna Publishers, New Delhi (India), 45 th Edition, 2024.										
3. T. Veerarajan, "Engineering Mathematics", Tata McGraw Hill, New Delhi, 3 rd Edition, 2019.										
Reference Books										
1. P. Kandasamy, K. Thilagavathy, and K. Gunavathi, "Volume - III",U.N. Dhur and Sons Private Limited, 2016.										
2. P. Sivaramakrishna Das and C. Vijayakumari, "Engineering Mathematics", Pearson India Education services Pvt. Ltd, India 1 st 2017.										
3. Erwin Kreyszig, "Advanced Engineering Mathematics", John Wiley & Sons, New Delhi, 10 th Edition, 2019.										
4. G. Balaji, "Engineering Mathematics - Transforms and Partial Differential Equations", G. Balaji Publishers, 9 th Edition June 2023.										
5. B.V. Ramana, "Higher Engineering Mathematics", Tata McGraw Hill, New Delhi, 2017.										
Web References										
1. https://nptel.ac.in/courses/111105121/										
2. https://ocw.mit.edu										
3. https://mathworld.wolfram.com										
4. https://www.khanacademy.org										
5. https://nptel.ac.in/courses/111/103/111103021/										

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	3	2	1	-	1	-	-	-	-	1	1	1	-
2	3	3	2	1	-	1	-	-	-	-	1	2	1	-
3	3	3	2	1	-	1	-	-	-	-	1	2	1	-
4	3	3	2	1	-	1	-	-	-	-	1	2	1	-
5	3	3	2	1	-	1	-	-	-	-	1	2	-	1

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	EEE				Programme: B. Tech.						
Semester	II				Course Category: HS			End Semester Exam Type: TE			
Course Code	U26HSTC01				Periods / Week		Credit	Maximum Marks			
					L	T	P	C	CAM	ESE	TM
Course Name	UNIVERSAL HUMAN VALUES - II				2	-	-	2	40	60	100
(Common to all Branches)											
Prerequisite	UHV - I										
Course Outcomes	On completion of the course, the students will be able to										BT Mapping (Highest Level)
	CO1	Interpret the concept of value education and its role in realizing right understanding, harmonious relationships, and physical well-being									K2
	CO2	Describe the co-existence of the self and body and interpret how harmony within and between them ensures self-regulation and health.									K2
	CO3	<i>Interpret</i> the values of trust, respect, and justice in relationships and <i>explain</i> how they contribute to harmony in family and society.									K2
	CO4	<i>Summarize</i> the interconnectedness and mutual fulfillment among the four orders of nature and <i>explain</i> the holistic harmony in existence.									K2
	CO5	<i>Describe</i> the implications of holistic understanding for ethical conduct, professional responsibility, and value-based living.									K2
UNIT - I	Introduction to Value Education							Periods: 06			
Right Understanding, Relationship and Physical Facility (Holistic Development and the Role of Education) - Understanding Value Education - Self-exploration as the Process for Value Education - Basic Human Aspirations - Happiness and Prosperity - Current Scenario- Method to Fulfill the Basic Human Aspirations.											CO1
UNIT - II	Harmony in the Human Being							Periods: 06			
Understanding Human being as the Co-existence of the Self and the Body-Distinguishing between the Needs of the Self and the Body-The Body as an Instrument of the Self-Understanding Harmony in the Self-Harmony of the Self with the Body-Programme to ensure self-regulation and Health.											CO2
UNIT - III	Harmony in the Family and Society							Periods: 06			
Harmony in the Family - Basic Unit of Human Interaction- 'Trust' - Foundational Value in Relationship - 'Respect' - as the Right Evaluation - Other Feelings, Justice in Human-to-Human Relationship - Understanding Harmony in the Society-Vision for the Universal Human Order.											CO3
UNIT - IV	Harmony in the Nature / Existence							Periods: 06			
Understanding Harmony in the Nature-Interconnectedness, Self-regulation and Mutual Fulfilment among the Four Orders of Nature - Realizing Existence as Co-existence at All Levels - Holistic Perception of Harmony in Existence.											CO4
UNIT - V	Implications of the Holistic Understanding - A Look at Professional Ethics							Periods: 06			
Natural Acceptance of Human Values - Definitiveness of (Ethical) Human Conduct - Basis for Humanistic Education, Humanistic Constitution and Universal Human Order-Competence in Professional Ethics-Holistic Technologies, Production Systems and Management Models-Typical Case Studies-Strategies for Transition towards Value - Based Life and Profession.											CO5
Lecture Periods: 30			Tutorial Periods: -			Practical Periods: -			Total Periods: 30		
Text Book											
1. R. R. Gaur, R. Asthana, G. P. Bagaria, "A Foundation Course in Human Values and Professional Ethics", Excel Books, 2 nd Revised Edition, New Delhi, 2019.											
2. R.R Gaur, R Asthana, G P Bagaria, "Teachers' Manual for A Foundation Course in Human Values and Professional Ethics", 2 nd Revised Edition, Excel Books, New Delhi, 2019. ISBN 978-93-87034-53.											
3. Premvir Kapoor, "Professional Ethics and Human Values", ISBN: 978-93-86173-652, Khanna Book Publishing Company, New Delhi, 2022.											
Reference Books											
1. A Nagraj, Jeevan Vidya Prakashan, Amarkantak, "Jeevan Vidya: EkParichaya", 2013.											
2. A.N. Tripathi, "Human Values", New Age International Publishers, New Delhi, 3 rd Edition, 2019.											
3. Annie Leonard, "The Story of Stuff", Free Press, Reprint Edition, 2011.											
4. Mohandas Karam chand Gandhi, "The Story of My Experiments with Truth – Mahatma Gandhi Autobiography", Finger print Publisher, 2009.											
5. E. F Schumacher, "Small is Beautiful", Vintage Publisher, 1993.											
6. Cecile Andrews, "Slow is Beautiful", New Society Publishers, 2006.											
7. J. C. Kumarappa, "Economy of Permanence", Sarva Seva Sangh Prakashan, 2017.											
8. Pandit Sunderlal, "Bharat Mein Angreji Raj", Prabhat Prakashan Publisher, 2021.											
9. Dharampal, "Rediscovering India", Stosius Inc/Advent Books Division Publisher, 1983.											
10. Mohandas K. Gandhi, "Hind Swaraj or Indian Home Rule", Gyan Publishing House, 2023.											
11. Maulana Abdul Kalam Azad, "India Wins Freedom", Orient Black Swan Publisher, 1 st Edition, 1988.											
12. Life of Vivekananda, "Romain Rolland (English)", Advaita Ashrama Publisher, India, 4 th Edition, 2010.											
13. Mahatma Gandhi, "Romain Rolland (English)", Srishti Publishers & Distributors, 2020.											

Web References

10. <https://www.uhv.org.in/uhv-ii>
11. <http://www.storyofstuff.com>
12. https://www.youtube.com/channel/UCQxWr5QB_eZUnwxSwxXEkQw
13. https://fdp-si.aicte-india.org/8dayUHV_download.php
14. <https://www.youtube.com/watch?v=8ovkLRYXIjE>

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	-	-	-	-	-	2	3	2	2	-	-	3	1	-	-
2	-	-	-	-	-	2	3	2	2	-	-	3	1	-	-
3	-	-	-	-	-	3	3	2	2	-	-	3	1	-	-
4	-	-	-	-	-	2	3	2	2	-	-	3	1	-	-
5	-	-	-	-	-	2	3	2	2	-	-	3	1	-	-

Correlation Level: 1 – Low, 2 – Medium, 3 – High

Department	Electrical and Electronics Engineering				Programme: B. Tech.						
Semester	II				Course Category: ES		End Semester Exam Type: TE				
Course Code	U26EET202				Periods/Week		Credit	Maximum Marks			
					L	T	P	C	CAM	ESE	TM
Course Name	ARTIFICIAL INTELLIGENCE FOR ELECTRICAL ENGINEERS				3	-	-	3	40	60	100
EEE											
Prerequisite	Fundamentals of Electrical Engineering, Basic Programming										
Course Outcomes	On completion of the course, the students will be able to										BT Mapping (Highest Level)
	CO1	Understand AI concepts, agents, environments, rationality, and learning									K2
	CO2	Apply Python programming, libraries, and data handling techniques									K2
	CO3	Analyze, preprocess, and visualize data using Python effectively.									K2
	CO4	Apply machine learning techniques for regression, classification, clustering									K2
	CO5	Analyze electrical data and apply AI for system optimization									K2
UNIT – I	Introduction to Artificial Intelligence							Periods:09			
Definition of Artificial Intelligence – Scope and benefits of AI – State of the art of AI – AI Terminology – Agent and Environment – Rationality – Structure of Intelligent Agents and Types of Intelligent Agents										CO1	
UNIT – II	Fundamental of Python							Periods:09			
Introduction to Python – Tokens, Keywords and Identifiers – Variables and Data Types – Operators and Expressions – Input and Output Statements – Control Flow Statements – Functions and Modules – File Handling – Introduction to Python Libraries: NumPy, Pandas, Matplotlib										CO2	
UNIT – III	Foundations of Data							Periods:09			
Data Understanding – Data Collection – Data Cleaning – Data Preprocessing: Mean Removal, Scaling, Normalization – Data Exploration – Data Visualization – Visualization Techniques: Univariate Plots, Box Plots, Scatter Plots										CO3	
UNIT – IV	Machine Learning							Periods:09			
Overview of Machine Learning –Types of Machine Learning – Supervised Learning Concepts: Classification and Regression – Classification Model: Logistic Regression – Regression Model: Linear Regression – Unsupervised Learning Concepts: Clustering and Dimensionality Reduction. Image based classification approaches.										CO4	
UNIT – V	AI Tools and its Applications							Periods:09			
Data collection from sensors and meters; exploration and understanding of electrical data; Machine learning in electrical applications; supervised learning—for Prediction of Power Consumption, unsupervised learning—for disturbance identification, fault detection in electrical systems.										CO5	
Lecture Periods: 45		Tutorial Periods: -			Practical Periods: -			Total Periods: 45			
Text Books											
1. Jake Vander Plas, “Python Data Science Handbook - Essential Tools for Working with Data”, O'Reilly Media Inc, 2016. 2. Sturat J Russell, Peter Norving. Artificial Intelligent: A Modern approach, 3 rd Edition, 2015. 3. Elaine Rich and Kevin Knigh, Introduction to Artificial Intelligence, McGraw Hill, 3 rd Edition, 2017. 4. Michael Negnevitsley, Artificial Intelligence: A guide to Intelligent Systems, Addison Wesley, 3 rd Edition, 2017.											
Reference Books											
1. Y. Zhang, “An Introduction to Python and Computer Programming”, Springer Publications, 2016. 2. Ethem Alpaydin, Introduction to Machine Learning, Fourth Edition,MIT Press, 2020. 3. Andrew Glassner, Deep Learning: From Basics to Practice, First Edition, The Imaginary Institute, Seattle, 2018.											
Web References											
1. https://www.python.org/ 2. https://onlinecourses.nptel.ac.in/noc22_cs56/preview 3. https://nptel.ac.in/courses/106102220 4. https://onlinecourses.nptel.ac.in/noc26_cs62/preview 5. https://www.mathworks.com/products/matlab.html											

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	3	3	1	2	-	-	-	-	-	1	2	3	3
2	3	3	3	1	2	-	-	-	-	-	1	2	3	3
3	3	3	3	1	2	-	-	-	-	-	1	2	3	3
4	3	3	3	1	2	-	-	-	-	-	1	2	3	3
5	3	3	3	1	2	-	-	-	-	-	1	2	3	3

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	Electrical and Electronics Engineering				Programme: B.Tech.							
Semester	II				Course Category Code: PC		End Semester Exam Type: TE					
Course Code	U23EET203				Periods/Week		Credit	Maximum Marks				
					L	T	P	C	CAM	ESE	TM	
Course Name	ELECTRONIC DEVICES AND CIRCUITS				3	-	-	3	40	60	100	
EEE												
Prerequisite	Fundamentals of Electrical and Electronics Engineering											
Course Outcomes	On completion of the course, the students will be able to									BT Mapping (Highest Level)		
	CO1	Explain the construction, operation, characteristics and applications of JFET and MOSFET.									K2	
	CO2	Describe the working principles and applications of special semiconductor devices, optoelectronic devices, and nano devices used in modern electronic systems.									K2	
	CO3	Gain knowledge about small signal and large signal amplifier circuits for audio and radio frequency applications.									K3	
	CO4	Comprehend the operation of tuned amplifiers in frequency selective circuits and analyze time base circuits for oscillator applications.									K3	
	CO5	Analyze the performance of oscillators and feedback amplifiers for signal generation and processing.									K3	
UNIT-I	Field Effect Transistor Fundamentals							Periods:09				
Junction Field Effect Transistor (JFET): Construction and operation- drain and transfer characteristics- pinch-off voltage and drain saturation current- JFET as amplifier. Metal Oxide Semiconductor Field Effect Transistor (MOSFET): D-MOSFET and E-MOSFET- NMOS and PMOS-MOSFET as switch and amplifier - Basic CMOS inverter.										CO1		
UNIT-II	Special Devices, Optoelectronic Devices and Nano Devices							Periods:09				
Special Devices: Varactor diode – PIN diode – Tunnel diode – Schottky diode - UJT. Optoelectronic Devices: Photo diodes – Photo transistors – PV cells – Opto couplers – LED – LDR – LCD. Nano Devices: FinFETs/GAAFETs-Carbon Nanotubes.										CO2		
UNIT-III	Small Signal and Large Signal Amplifiers							Periods:09				
Small Signal Amplifiers: Transistor hybrid model and H-parameters – Graphical determination of h-parameters – Analysis and comparison of CB, CE and CC amplifier using h-parameter model. Large Signal Amplifiers: High frequency transistor model – Class A amplifier – Direct coupled and transformer coupled – Class B amplifier – Push-pull arrangement and complementary symmetry amplifier – Conversion efficiency calculations – Distortion in Power amplifier – Class AB amplifier – Class C amplifier.										CO3		
UNIT-IV	Multistage Amplifiers and Time Base Circuits							Periods:09				
Multistage Amplifiers: Cascade amplifier – Direct and RC coupled two stage CE amplifiers – Darlington pair. Tuned amplifier: Single tuned – Double tuned. Time Base Circuits: UJT sweep circuits – Voltage and current saw tooth sweeps – Fixed amplitude sweep – Miller and bootstrap time base. Schmitt trigger and multi-vibrators circuits.										CO4		
UNIT-V	Feedback Amplifiers and Oscillators							Periods:09				
Feedback Amplifiers: Feedback concept – Gain with feedback – General characteristics of negative feedback amplifiers – Four basic types of feedback and the effect on gain, input and output resistances. Oscillators: Conditions for sustained oscillations – Barkhausen criterion. Tuned oscillators: Hartley, Colpitt and Crystal Oscillators. RC Oscillators: Phase shift and Wien-bridge. UJT relaxation oscillator – Frequency stability.										CO5		
Lecture Periods:45			Tutorial Periods:-			Practical Periods:-			Total Periods:45			
TextBooks												
6. J. B. Gupta, “Electronic Devices and Circuits”, S.K. Kataria and Sons, 6th Edition, 2022.												
7. Robert L. Boylestad and Louis Nashelsky, “Electronic Devices and Circuit Theory”, Pearson Education, 9th Edition, 2007.												
8. Floyd and Jain, “Digital Fundamentals”, Pearson Education, 11th Edition, 2015.												
ReferenceBooks												
1. Dr. R. S. Sedha, “A Textbook of Applied Electronics”, S. Chand Publications, Multicolor Edition, 2019.												
2. David A. Bell, “Electronic devices and circuits”, Oxford University higher education, 5th Edition, 2008.												
3. Thomas L. Floyd, “Electronic Devices”, Conventional current version, Pearson Prentice Hall, 10th Edition, 2017.												
4. Morris. M. Mano and Michael. D. Ciletti, “Digital Design”, Pearson Education, 5th Edition, 2013.												
5. A. Anand Kumar, “Fundamentals of Digital Circuits”, PHI Learning Pvt. Ltd, 4th Edition, 2022.												
Web References												
1. https://nptel.ac.in/courses/117107095												
2. https://nptel.ac.in/courses/108107142												
3. https://nptel.ac.in/courses/115102014												
4. https://onlinecourses.nptel.ac.in/noc21_ee80/preview												
5. https://nptel.ac.in/courses/106108099												

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	2	2	3	2	3	-	-	-	-	-	-	3	3	3
2	2	2	3	2	3	-	-	-	-	-	-	3	3	3
3	2	2	3	2	3	-	-	-	-	-	-	3	3	3
4	2	2	3	2	3	-	-	-	-	-	-	3	3	3
5	2	2	3	2	3	-	-	-	-	-	-	3	3	3

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	Computer Science and Engineering			Programme: B.Tech							
Semester	II			Course Category: ES		End Semester Exam Type: TE					
Course Code	U26ESTCXX					Credit	Maximum Marks				
				L	T	P	C	CAM	ESE	TM	
Course Name	DATA STRUCTURES			3	-	-	3	40	60	100	
(Common to All Engineering Branches)											
Prerequisite	Basic Computer Knowledge										
Course Outcomes	On completion of the course, the students will be able to								BT Mapping (Highest Level)		
	CO1	Explain and apply array representations and operations for solving basic data handling problems.								K2	
	CO2	Implement stack operations and use stacks for expression evaluation and recursive problem solving.								K3	
	CO3	Demonstrate queue variants and apply them in scheduling, buffering, and traversal processes.								K2	
	CO4	Construct and manipulate tree structures, including BSTs, AVL trees, heaps, and expression trees.								K3	
	CO5	Apply graph representations and algorithms for traversal, shortest paths, and spanning tree construction.								K4	
UNIT - I	INTRODUCTION							Periods: 09			
Overview of Data Structures – Arrays: Terminology associated with arrays - One-dimensional array: memory allocation, operations - Two-dimensional array: memory allocation, operations - Applications of arrays.									CO1		
UNIT - II	STACKS							Periods: 09			
Introduction to Stack – Stack Representation – Stack Operations – Notations and Evaluation of Arithmetic Expressions – Recursion and Stack – Applications of Stack.									CO2		
UNIT - III	QUEUES							Periods: 09			
Introduction to Queue – Types of Queues: Simple / Linear Queue – Circular Queue – Deque – Priority Queue – Representation of Queue – Queue Operations – Applications of Queue.									CO3		
UNIT - IV	TREES							Periods: 09			
Introduction to Trees – Types of Trees: Binary Tree – Binary Search Tree – Balanced Trees – Multiway Search Trees – Heaps – Applications of Trees.									CO4		
UNIT - V	GRAPHS							Periods: 09			
Introduction to Graphs – Graph Representations – Graph Transversals – Minimum Spanning Trees – Shortest Path Algorithms – Applications of Graphs.									CO5		
Lecture Periods: 45			Tutorial Periods: -			Practical Periods: -		Total Periods: 45			
Text Books											
1. Mohammed Juned Shaikh Shabbir; Mr. Pradip Sitaram Ingle; Mr. Swapnil Haribahu Kudke; Mr. Akash Ashok Magar, “DATA STRUCTURES”, Clever Fox Publishing, 1 st edition, 2025. 2. Anuradha A. Puntambekar, “Data Structures: Concepts and Implementation”, Amazon Digital Services LLC, 1 st edition, 2022. 3. Debasis Samanta, “Classic Data Structures”, PHI Learning, 2 nd edition, 2021. 4. Narasimha Karumanchi, “Data Structures and Algorithms Made Easy: Data Structures and Algorithmic Puzzles”, CareerMonk Publications, 5 th edition, 2023. 5. Ellis Horowitz; Sartaj Sahni; Dinesh Mehta, “Fundamentals of Data Structures in C++”, Universities Press (India), 2 nd edition, 2023.											
Reference Books											
1. Dinesh P. Mehta; Sartaj Sahni, “Handbook of Data Structures and Applications”, CRC, 2 nd edition, 2018. 2. S. K. Srivastava; Deepali Srivastava, “Comprehensive Data Structures and Algorithms in Java: Learn fundamentals with 500+ code samples and problems”, BPB Publications, 1 st edition, 2025. 3. Jan Wengrow, “A Common–Sense Guide to Data Structures and Algorithms, 2e: Level Up Your Core Programming Skills”, Manning Publications, 2 nd edition, 2020. 4. Marcello La Rocca, “Grokking Data Structures”, Manning Publications, 2024. 5. Yashavant Kanetkar. “Data Structures Through C”. BPB Publisher. 4 th edition. 2022.											

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1. <https://www.geeksforgeeks.org/data-structures/>
2. https://www.tutorialspoint.com/data_structures_algorithms/
3. <https://www.programiz.com/dsa>
4. <https://nptel.ac.in/courses/106/102/106102064/>
5. <https://ocw.mit.edu/courses/6-006-introduction-to-algorithms-fall-2011/>

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	2	1	2	1	0	0	1	0	2	1	3	2	3
2	3	3	2	2	1	0	0	1	0	2	1	2	2	-
3	3	3	2	2	1	0	0	1	0	2	1	3	3	3
4	3	3	3	2	2	0	0	1	0	2	1	3	3	-
5	3	3	3	2	3	0	0	1	0	2	1	2	2	-

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	English		Programme: B.Tech.							
Semester	II		Course Category: HS			End Semester Exam Type: TE				
Course Code	U26ENBC02		Periods/Week			Credit	Maximum Marks			
			L	T	P	C	CAM	ESE	TM	
Course Name	COMMUNICATIVE ENGLISH-II		2	-	2	3	50	50	100	
(Common to ALL Branches except CSE&BS)										
Prerequisite	Basics of English Language									
Course Outcomes	On completion of the course, the students will be able to							BT Mapping (Highest Level)		
	CO1	Draft effective written communication in professional environment							K2	
	CO2	Apply the mechanics of creative writing with precision and clarity							K3	
	CO3	Acquire language skills professionally to groom the overall personality through sensitizing various etiquettes in real time situation							K2	
	CO4	Develop language fluency and gain self-confidence							K3	
	CO5	Express thoughts and ideas with clarity and focus							K2	
UNIT - I	Business Correspondence					Periods:10				
Business Writing: Circular, Agenda, Memoranda, Notice, Instruction, Minutes, Email Writing, Report Writing- Official and Demi Official Letters : Applying for Educational / Car / Home Loans / Joining Report, Leave Letter, Industrial Visit, In plant Training, Letter to the Editor, Calling for a quotation, Placing Order, Letter of Complaints, Letter seeking Clarification, Resume', Job Application Letter, Bio-data, CV								CO1		
UNIT - II	Functional Writing Skills					Periods:10				
Four Modes of Writing, Sentence Structure, Art of Condensation: Summary Writing and Note Making, Invitations and Replies, Use of Phrases and Clauses in Sentences, Principles of Paragraph Writing, Techniques of Essay Writing, Jumbled Sentences, Paraphrasing								CO2		
UNIT - III	Etiquettes and Netiquettes					Periods:10				
Etiquette: Meaning, Kinds: Corporate Etiquette, Meeting Etiquette, Telephone Etiquette, Email Etiquette, Social Media Etiquette, Dining Etiquette, Communication Etiquette. Netiquettes – Definition, Importance, Types, Rules Dress Code and Personal Grooming								CO3		
UNIT - IV	Communication Practice-II					Periods:15				
List of Exercises Listening: Listening to Native Speakers Conversations Speaking: Just a Minute on Contemporary Issues Reading: Matching paragraphs based on IELTS Writing: Abstract Writing								CO4		
UNIT - V	Interpersonal Communication-II					Periods:15				
List of Exercises Listening: Videos on different types of Etiquettes Speaking: Team Presentation Reading: Phrases and Clauses Writing: Paraphrasing Practice								CO5		
Lecture Periods:30		Tutorial Periods: -		Practical Periods:30		Total Periods:60				
Text Books										
1. Mary Ellen Guffey & Dana Loewy, <i>Business Communication: Process and Product</i> , 11 th Edition,2025. 2. Robert G. Insley, <i>Communicating Professionally in Today's Workplace</i> , 3 rd Edition, 2022. 3. Neera Jain & Shoma Mukherji, <i>Effective Business Communication</i> , 2 nd Edition, 2020.										
Reference Books										
1. Sanju Garg, <i>Developing English Communication Skills</i> , McGraw Hill Education, 2021. 2. PC Das, <i>Letter Writing including Official and Business Letters</i> , New Central Book Agency, 2020. 3. Neera Jain & Shoma Mukherji, <i>Effective Business Communication</i> , McGraw Hill Education, 2020. 4. Sanjay Kumar & Pushpalatha, <i>Communication Skills</i> , Oxford University Press, 2018. 5. Meenakshi Raman & Sangeetha Sharma, <i>Communication Skills</i> , Oxford University Press, 2018.										

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1. <https://learnenglish.britishcouncil.org/skills>
2. <https://www.indeed.com/career-advice/finding-a-job/how-to-write-an-application-letter>
3. <https://www.businessnewsdaily.com/8262-email-etiquette-tips.html>
4. <https://www.youtube.com/watch?v=molucWGgvMc>
5. <https://www.youtube.com/watch?v=1XctnF7C74s>

* TE – Theory Exam, LE – Lab Exam

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	1	-	-	-	-	-	1	-	3	-	2	-	-	-
2	1	-	-	-	-	-	1	-	3	-	2	-	-	-
3	1	-	-	-	-	-	1	-	3	-	2	-	-	-
4	1	-	-	-	-	-	1	-	3	-	2	-	-	-
5	1	-	-	-	-	-	1	-	3	-	2	-	-	-

Correlation Level: 1-Low, 2-Medium, 3-High

Department	Electrical and Electronics Engineering			Programme: B. Tech.						
Semester	II			Course Category: PC			End Semester Exam Type: LE			
Course Code	U26EEP202			Periods/Week			Credit	Maximum Marks		
				L	T	P	C	CAM	ESE	TM
Course Name	ELECTRONIC DEVICES AND CIRCUITS LABORATORY			-	-	2	1	50	50	100
EEE										
Prerequisite	Fundamentals of Electrical and Electronics Engineering									
Course Outcomes	On completion of the course, the students will be able to									BT Mapping (Highest Level)
	CO1	Examine the characteristics of semiconductor, optoelectronic, and nano devices								K2
	CO2	Design and analyze the frequency response characteristics of a common emitter BJT amplifier.								K3
	CO3	Design and analyze the frequency response and performance of transistor amplifiers including single stage and multistage amplifiers.								K3
	CO4	Design and implement oscillator circuits such as RC phase shift, Wien bridge and UJT relaxation oscillators for signal generation.								K3
	CO5	Demonstrate the basic characteristics of nano devices such as FinFET and Carbon Nanotubes using simulation and experimental study.								K2
List of Experiments:										
1. V-I characteristics of JFET and MOSFET 2. V-I Characteristic of Varactor diode and PIN diode 3. Simulation of FinFET Characteristics 4. Study of Carbon Nanotube (CNT) Conductivity 5. Design and analysis of frequency response characteristics of common emitter BJT amplifier. 6. Design and implementation of Schmitt trigger. 7. Design and implementation of Astable Multivibrator, Monostable Multivibrator and Bistable Multivibrator. 8. Implementation of a Sweep Circuit. 9. Implementation of two stage RC coupled CE amplifier 10. Design and implementation of RC phase shift oscillator. 11. Design and implementation of Wien bridge oscillator. 12. Design and implementation of UJT relaxation oscillator.										
Lecture Periods: -		Tutorial Periods: -		Practical Periods: 30			Total Periods: 30			
Reference Books										
1. J. B. Gupta, "Electronic Devices and Circuits", S.K. Kataria and Sons, 6 th Edition, 2022. 2. Robert L. Boylestad and Louis Nashelsky, "Electronic Devices and Circuit Theory", Pearson Education, 9 th Edition, 2007. 3. Floyd and Jain, "Digital Fundamentals", Pearson Education, 11 th Edition, 2015. 4. Dr. R. S. Sedha, "A Textbook of Applied Electronics", S. Chand Publications, Multicolor Edition, 2019. 5. David A. Bell, "Electronic devices and circuits", Oxford University higher education, 5 th Edition, 2008. 6. Thomas L. Floyd, "Electronic Devices", Conventional current version, Pearson Prentice Hall, 10 th Edition, 2017. 7. Morris. M. Mano and Michael. D. Ciletti, "Digital Design", Pearson Education, 5 th Edition, 2013. 8. A. Anand Kumar, "Fundamentals of Digital Circuits", PHI Learning Pvt. Ltd, 4 th Edition, 2022.										
Web References										
1. https://nptel.ac.in/courses/117107095 2. https://nptel.ac.in/courses/108107142 3. https://nptel.ac.in/courses/115102014 4. https://onlinecourses.nptel.ac.in/noc21_ee80/preview 5. https://nptel.ac.in/courses/106108099										

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	2	2	3	2	3	-	-	-	-	-	-	3	3	3
2	2	2	3	2	3	-	-	-	-	-	-	3	3	3
3	2	2	3	2	3	-	-	-	-	-	-	3	3	3
4	2	2	3	2	3	-	-	-	-	-	-	3	3	3
5	2	2	3	2	3	-	-	-	-	-	-	3	3	3

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	Mechanical Engineering				Programme : B.Tech.							
Semester	II				Course Category: ES			End Semester Exam Type: LE				
Course Code	U26ESPCXX				Periods/Week			Credit	Maximum Marks			
					L	T	P	C	CAM	ESE	TM	
Course Name	DIGITAL ENGINEERING GRAPHICS AND 3D MODELLING				-	-	2	1	50	50	100	
(Common to all Branches)												
Prerequisite	Basic Mathematics, Computer fundamentals, Spatial & Visualization skills											
Course Outcome	On completion of the course, the students will be able to									BT Mapping (Highest Level)		
	CO1	Familiarize with the fundamentals and standards of engineering graphics.									K3	
	CO2	Perform drawing of basic geometrical constructions and multiple views of objects.									K2	
	CO3	Visualize the isometric and perspective sections of simple solids.									K3	
	CO4	Connect side view associate on front view.									K4	
	CO5	Correlate sectional views and lateral surface developments of various solids.									K4	
List of Experiments												
1. Study of capabilities of software for Drafting and Modeling – Coordinate systems (absolute, relative, polar, etc.) – Creation of simple figures like polygon and general multi-line figures. 2. Drawing a Title Block with necessary text and projection symbol. 3. Drawing 2D sketch by applying modify tools like fillet, mirror, array, etc., 4. Drawing front view and top view of simple solids like prism, pyramid, cylinder, cone, etc., and Dimensioning. 5. Drawing front view, top view and side view of objects from the given pictorial views (eg. Simple stool, V-block, Mixie Base). 6. Drawing a plan of residential building (Two bed rooms, kitchen, hall, etc.) 7. Drawing sectional views of prism, pyramid, cylinder, cone, etc, 8. Drawing lateral surface development of prism, pyramid, cylinder, cone, etc, 9. Drawing isometric projection of simple objects. 10. Creating 3D model of simple object and obtaining 2D multi-view drawings. 11. Note: Plotting of drawings must be made for each exercise and attached to the records written by Students.												
Lecture Periods: -			Tutorial Periods: -			Practical Periods: 30			Total Periods: 30			
Reference Books												
1. James D. Bethune, Engineering Graphics with AutoCAD A Spectrum book 1 st Edition, Macromedia Press, Pearson, 2020.												
2. NS Parthasarathy and Vela Murali, Engineering Drawing, Oxford university press, 2015.												
3. M.B Shah, Engineering Graphics, ITL Education Solutions Limited, Pearson Education Publication, 2011.												
4. Bhatt N.D and Panchal V.M, Engineering Drawing: Plane and Solid Geometry, Charotar Publishing House, 2017.												
5. Jeyapoovan T, Engineering Drawing and Graphics Using AutoCAD, Vikas Publishing House Pvt Ltd., 7 th Edition, New Delhi, 2016.												
6. C M Agrawal, Basant Agrawal, Engineering Graphics, McGraw Hill, 2012.												
7. Dhananjay A. Jolhe, Engineering Drawing: With An Introduction To CAD McGraw Hill, 2016.												
8. James Leach, AutoCAD 2017 Instructor, SDC Publications, 2016.												
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1. http://vlabs.iitb.ac.in/vlabs-dev/labs/mit_bootcamp/egraphics_lab/labs/index.php												
2. http://www.nptelvideos.in/2012/12/computer-aided-design.html												
3. https://mech.iitm.ac.in/meiitm/course/cad-in-manufacturing/												
4. https://autocadtutorials.com												
5. https://dwgmodels.com												

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	3	1	-	-	3	-	-	-	3	-	-	2	3	3	3
2	3	1	-	-	3	-	-	-	3	-	-	3	3	3	3
3	3	1	-	-	3	-	-	-	3	-	-	3	3	3	3
4	3	1	-	-	3	-	-	-	3	-	-	2	3	3	3
5	3	1	-	-	3	-	-	-	3	-	-	3	3	3	3

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	Computer Science and Engineering		Programme: B.Tech							
Semester	II		Course Category: ES			End Semester Exam Type: TE				
Course Code	U26ESPCXX		Periods/Week			Credit	Maximum Marks			
			L	T	P	C	CAM	ESE	TM	
Course Name	DATA STRUCTURES LAB		-	-	2	1	50	50	100	
(Common to All Engineering Branches)										
Prerequisite	Basic Computer Knowledge									
Course Outcomes	On completion of the course, the students will be able to							BT Mapping (Highest Level)		
	CO1	Explain and apply array representations and operations for solving basic data handling problems.							K2	
	CO2	Implement stack operations and use stacks for expression evaluation and recursive problem solving.							K3	
	CO3	Demonstrate queue variants and apply them in scheduling, buffering, and traversal processes.							K2	
	CO4	Construct and manipulate tree structures, including BSTs, AVL trees, heaps, and expression trees.							K3	
	CO5	Apply graph representations and algorithms for traversal, shortest paths, and spanning tree construction.							K4	
Cycle - I	INTRODUCTION						Periods: 06			
1. Write a program in C to use a one-dimensional array to store marks of 5 subjects. Calculate total marks, average marks and find the highest and lowest mark.									CO1	
2. Write a program in C to use a 2D array of size 3 × 4 to store sales values. Display the sales table in matrix form, calculate total sales of each product, calculate total sales for each month and find the highest-selling product.										
Cycle - II	STACKS						Periods: 06			
3. Write a program in C for a stack representation and describe the basic stack operations (push, pop, peek) with suitable examples values.									CO2	
4. Write a c program to Define infix, postfix, and prefix notations. Do the evaluation of a postfix expression using stack with an example.										
Cycle - III	QUEUES						Periods: 06			
5. Write a program in C to create a Linear (Simple) Queue using an array and print the elements in queue order.									CO3	
6. Write a program in C to implement the basic queue operations such as Enqueue, Dequeue, Display.										
7. Write a program in C to implement the working of Circular Queue, Deque (Double Ended Queue).										
8. Write a program in C to implement the Priority Queue.										
Cycle - IV	TREES						Periods: 06			
9. Write a C program to create a Binary Tree and perform inorder, preorder and postorder traversals.									CO4	
10. Write a C program to implement a Binary Search Tree (BST) with operations: insertion, deletion and searching of a node.										
11. Write a C program to construct a Max Heap and perform heap insertion and deletion operations.										
12. Write a C program to count the total number of nodes, leaf nodes and non-leaf nodes in a Binary Tree.										
Cycle - V	GRAPHS						Periods: 06			
13. Write a C program to represent a graph using an adjacency matrix and perform graph traversal using Breadth First Search (BFS).									CO5	
14. Write a C program to implement Depth First Search (DFS) graph traversal using recursion.										
15. Write a C program to find the Minimum Spanning Tree of a graph using Prim's algorithm.										
Lecture Periods: 45			Tutorial Periods: -		Practical Periods: 30		Total Periods: -			

Reference Books

1. Dinesh P. Mehta; Sartaj Sahni, "Handbook of Data Structures and Applications", CRC, 2nd edition, 2018.
2. S. K. Srivastava; Deepali Srivastava, "Comprehensive Data Structures and Algorithms in Java: Learn fundamentals with 500+ code samples and problems", BPB Publications, 1st edition, 2025.
3. Jan Wengrow, "A Common–Sense Guide to Data Structures and Algorithms, 2e: Level Up Your Core Programming Skills", Manning Publications, 2nd edition, 2020.
4. Marcello La Rocca, "Grokking Data Structures", Manning Publications, 2024.
5. Yashavant Kanetkar, "Data Structures Through C", BPB Publisher, 4th edition, 2022.

Web References

1. <https://www.geeksforgeeks.org/data-structures/>
2. https://www.tutorialspoint.com/data_structures_algorithms/
3. <https://www.programiz.com/dsa>
4. <https://nptel.ac.in/courses/106/102/106102064/>
5. <https://ocw.mit.edu/courses/6-006-introduction-to-algorithms-fall-2011/>

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	2	1	2	1	0	0	1	0	2	1	3	2	3
2	3	3	2	2	1	0	0	1	0	2	1	2	2	-
3	3	3	2	2	1	0	0	1	0	2	1	3	3	3
4	3	3	3	2	2	0	0	1	0	2	1	3	3	-
5	3	3	3	2	3	0	0	1	0	2	1	2	2	-

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	Electrical and Electronics Engineering				Programme: B. Tech.						
Semester	II				Course Category: ES		End Semester Exam Type: LE				
Course Code	U26ESPCXX				Periods/Week		Credit	Maximum Marks			
					L	T	P	C	CAM	ESE	TM
Course Name	AI TOOLS LAB FOR ELECTRICAL ENGINEERS				-	-	2	1	50	50	100
EEE											
Prerequisite	Fundamentals of Electrical Engineering, Basic Programming										
Course Outcomes	On completion of the course, the students will be able to										BT Mapping (Highest Level)
	CO1	Apply Python programming tools to model, analyze, and solve electrical engineering problems.									K3
	CO2	Perform numerical computation and data analytics on electrical load and equipment data using NumPy and Pandas.									K4
	CO3	Visualize and interpret electrical system and machine parameters using appropriate data visualization techniques									K4
	CO4	Apply machine learning models for prediction, classification, disturbance identification, and fault detection in power systems									K3
	CO5	Analysis data-driven techniques for energy management, load forecasting, and electrical component classification									K4
List of Experiments:											
Study of Python and Google Colab for Electrical Applications											
Lecture Periods: -			Tutorial Periods: -			Practical Periods: 30			Total Periods: 30		
Reference Books											
Web References											

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	3	3	2	2	-	-	-	2	-	2	3	2	2
2	3	3	3	3	2	-	-	-	2	-	2	3	2	2
3	3	3	3	3	2	-	-	-	2	-	2	3	2	2
4	3	3	3	3	2	-	-	-	2	-	2	3	2	2
5	3	3	3	3	2	-	-	-	2	-	2	3	2	2

Correlation Level: 1 – Low, 2 – Medium, 3 – High

Department	Electrical and Electronics Engineering	Programme: B.Tech						
Semester	II	Course Category: AEC				End Semester Exam Type:		
Course Code	U26AEC2XX	Periods/Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	CERTIFICATION COURSE - II	-	-	4	-	100	-	100
EEE								
Prerequisite - Students shall choose an international certification course offered by the reputed organizations like Google, Microsoft, IBM, Texas Instruments, Bentley, Autodesk, Eplain and CISCO, etc. The duration of the course is 40-50 hours specified in the curriculum, which will be offered through Centre of Excellence. Pass / Fail will be determined on the basis of participation, attendance, performance and completion of the course. If a candidate Fails, he/she has to repeat the course in the subsequent years. Pass in this course is mandatory for the award of degree.								

Department	EEE	Programme: B.Tech.						
Semester	II	Course Category: MC				End Semester Exam Type: -		
Course Code	U26EEM202	Periods / Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	SPORTS YOGA AND NSS	-	-	2	-	100	-	100
Prerequisite	-							
Course Outcomes	On completion of the course, the students will be able to						BT Mapping (Highest Level)	
	CO1	Practice Physical activities and Hatha Yoga focusing on yoga for strength, flexibility and relaxation.					K2	
	CO2	Understand basic skills associated with yoga and physical activities including strength and flexibility, balance and coordination.					K2	
	CO3	Develop understanding of psychological problems associated with age and lifestyle.					K2	
	CO4	Recognize the importance of national service in community development.					K2	
	CO5	Convert existing skills into socially relevant life skills.					K2	
UNIT-I	INTRODUCTION TO PHYSICAL EDUCATION				Periods: 06			
Definition, Aims and Objectives of Physical Education - Changing trends in Physical Education Physical Fitness, Wellness and Lifestyle: Importance of Physical Fitness and Wellness - Components of Physical fitness - Components of Health-related fitness - Components of wellness - Preventing Health Threats through Lifestyle Change - Concept of Positive Lifestyle.								CO1
UNIT-II	YOGA AND LIFESTYLE				Periods: 06			
Importance of Yoga - Elements of Yoga - Introduction - Asanas, Pranayama, Meditation and Yogic Kriyas - Yoga for concentration and related Asanas (Sukhasana, Tadasana, Padmasana and Shashankasana) - Relaxation Techniques for improving concentration - Yog-nidra. Asanas as preventive measures - Hypertension - Obesity - Back Pain-Diabetes - Asthema.								CO2
UNIT-III	TRAINING AND PLANNING IN SPORTS				Periods: 06			
Training - Warming up and limbering down-Skill, Technique and Style - Objectives of Planning - Tournament - Knock-Out, League/Round Robin and Combination. Psychology and Sports - Important of Psychology in Physical Education and Sports - Differentiate Between Growth and Development - Adolescent problems and their Management - Emotion: Concept, Type and Controlling of emotions - Concepts and Types of Aggressions in Sports - Psychological benefits of exercise – Anxiety & Fear and its effects on Sports Performance - Motivation, its type and techniques - Understanding Stress and Coping strategies								CO3
UNIT-IV	INTRODUCTION TO NATIONAL SERVICE SCHEME				Periods: 06			
Orientation of NSS volunteers: History, motto, symbol, awards, structure and activities of NSS - Days of National and International Importance - Sensitizing about the thrust areas and awareness activities - Importance of tree plantation and voluntary blood donation - The role of SHGs and NGOs in community development – CSR - Life skills and youth development-extension activities in HEIs - various clubs and schemes like RRC, ELC, YRC, UBA, SBA, etc.,								CO4
UNIT-V	COMMUNITY ISSUES AND THE USE OF TECHNOLOGY				Periods: 06			
Common Problems of rural India - Technology development and its suitability – Sustainability - Value addition to agricultural products - Service learning and youth volunteering – Shramdaan - Campus cleaning - Field visit to nearby communities - village survey - Initiatives to clean and green environment - preservation of water bodies in adopted villages.								CO5
Lecture Periods: -		Tutorial Periods: -		Practical Periods: 30		Total Periods: 30		
Reference Books								
1. Brar Ajmer Singh, Gill Jagtar Singh, Bains Jagdish, “Modern Textbook of Physical Education Health and Sports- I”, Kalyani Publishers , 6 th Edition, 2014 2. B.K.S. Iyengar, “Light on Yoga: The Definitive Guide to Yoga Practice”, Thorsons Publishers, Thorsons Classics Edition, 2015 3. Joseph, Siby K, Mahodaya, “Bharat Essays on Conflict Resolution”, Institute of Gandhian Studies Publishers, 2007 4. Barman Prateeti, Goswami, “Document on Peace Education”, Triveni Akansha Publishing House, New Delhi, 2009. 5. Prof R.B.S. Verma, “Field Work Practicum in Social Work-Emerging Concerns”, Rapid Publisher, Lucknow, 2020. 6. Sibereisen, K, Richard M, “Lerner Approaches to Positive Youth Development”, Sage Publications, New Delhi, 2007. 7. Hoshiar Singh, “Administration of Rural Development in India”, Sterling Publisher, 2009.								

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1. <http://www.thebetterindia.com/140/national-service-scheme-nss>
2. <http://en.wikipedia.org/wiki/national-service-scheme> 19=<http://nss.nic.in/adminstruct>
3. <http://nss.nic.in>
4. <http://socialworknss.org/about.html>
5. <http://you.sagepub.com>

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	-	-	-	-	-	-	-	2	3	-	2	1	-	-
2	-	-	-	-	-	-	-	2	3	-	2	1	-	-
3	-	-	-	-	-	-	-	2	3	-	2	1	-	-
4	-	-	-	-	-	-	-	2	3	-	2	1	-	-
5	-	-	-	-	-	-	-	2	3	-	2	1	-	-

Correlation Level: 1 – Low, 2 – Medium, 3 – High

Annexure – III
**Syllabi of Common Courses offered by EEE to
other branches under R-2026**



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)

Puducherry

B.TECH. ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC REGULATIONS 2026
(R-2026)

SYLLABI of Common Courses

Department	EEE and ECE			Programme: B.Tech.							
Semester	I / II			Course Category: ES				End Semester Exam Type: TE			
Course Code	U26ESTCXX			Periods/Week			Credit	Maximum Marks			
				L	T	P	C	CAM	ESE	TM	
Course Name	Basics of Electrical and Electronics Engineering			3	-	-	3	40	60	100	
(Common to CSE, IT, MECH, CIVIL, MCTR, CCE, AI&DS, FT and CSBS Branches)											
Prerequisite	Mathematics, Physics and Chemistry										
Course Outcomes	On completion of the course, the students will be able to								BT Mapping (Highest Level)		
	CO1	Apply the basic concepts and various laws in DC circuits.								K3	
	CO2	Analyze the AC circuits and develop resonance conditions for transmitter and receiver circuits.								K3	
	CO3	Gain the knowledge of power system components, importance of electrical safety measures and real time applications of transformer and motor.								K2	
	CO4	Understand the operation of semiconductor diode and its applications.								K2	
	CO5	Explain the characteristics and operation of BJT and FET.								K2	
	CO6	Relate and Explain Different Communication Systems.								K2	
Section A – Electrical Engineering											
UNIT - I	DC Circuits						Periods: 8				
Concept of Potential Difference, Current, Resistance, Inductance and Capacitance, Work, Power, Energy, Current and Voltage sources - ideal and practical sources - concept of dependent and independent sources, Source Transformation Techniques, Ohm's law, Kirchhoff's law, Series parallel combination of R, L, C components, Voltage Divider and Current Divider Rules, Mesh and Nodal analysis, Star/Delta transformation.										CO1	
UNIT - II	AC Circuits						Periods: 8				
AC waveform definitions - RMS value, average value, form factor, peak factor, R-L, R-C, RLC series circuit, R-L-C parallel circuit, phasor representation in polar and rectangular form, concept of impedance, admittance, active, reactive, apparent and complex power, power factor, Three Phase balanced AC Circuits (Y-Δ and Y-Y) – relationship between line and phase values – Power Measurement – Two Wattmeter method – Smart energy meters.										CO2	
UNIT - III	Electrical Safety and Electrical Machines						Periods: 7				
Layout of electrical power system and its functions, Wiring Accessories, Types of domestic wiring, Necessity of earthing, insulators and cables, Safety devices - fuse, relay and circuit breaker, Role of AI in Smart Grids. Faraday's Law of electromagnetic induction, Fleming's Right and Left hand rule - DC Generator and DC Motor - construction, principle, load test and performance characteristics - Single phase transformer- construction, principle, load test - Single phase capacitor start and run induction motor – Load test.										CO3	
Section B – Electronics Engineering											
UNIT - IV	Semiconductor Diodes and Applications						Periods: 7				
Introduction semiconductor materials – Doping - Intrinsic and Extrinsic Semiconductor – PN junction diode, structure, characteristics - diffusion and depletion capacitance - Rectifier, Half wave and Full wave rectifier - zener diode characteristics - zener diode as regulator – Light Emitting Diode (LED) - Solar Cell.										CO4	
UNIT - V	Transistors						Periods: 7				
Bipolar Junction Transistor - construction – operation - Common Base, Common Emitter, Common collector Configuration – characteristics – Biasing - numerical application. Junction Field Effect Transistor (JFET), Metal oxide semiconductor Field Effect Transistor, EMOSFET-DMOSFET operation characteristics - Numerical application.										CO5	
UNIT - VI	Communication Systems						Periods: 8				
Need for Modulation – Block diagram of analog communication System - AM, FM, PM Definitions and Waveforms – Comparison of digital and analog communication system- Block diagram of digital communication system – Electromagnetic Spectrum. Wired and wireless Channel – Block diagram of communication systems – satellite communication – Cellular Mobile Communication – Fibre Optical Communication System.										CO6	
Lecture Periods: 45			Tutorial Periods: -			Practical Periods: -			Total Periods: 45		
Text Books											
1. R. K. Rajput, “Basic Electrical and Electronics Engineering”, University Science Press, 2 nd Edition, 2017.											
2. Dr. R. Saravanakumar, Dr.V. Jegathesan, Dr. K. Vinoth Kumar, Dr. K. Kowsalya, “Basic Electrical and Electronics Engineering”, Wiley Publisher, 2 nd Edition, 2022.											
3. R. Muthusubramaniam, S. Salivahanan and K. A. Mureleedharan, “Basic Electrical Electronics and Computer Engineering”, Tata McGraw Hill, 2018.											

Reference Books

1. A. Sudhakar and S. P. Shyam Mohan, "Circuits and Networks: Analysis and Synthesis", Tata McGraw Hill Publishing Company Ltd., New Delhi, 4th Edition, 2017.
2. D. P. Kothari and I. J. Nagrath, "Electric Machines", Tata McGraw Hill, New Delhi, 5th Edition, 2017.
3. B. L. Theraja, A. K. Theraja, "A Textbook of Electrical Technology – Volume - II", S Chand & Co. Ltd., New Delhi, 23rd Edition, 2009.
4. David. A. Bell, "Electronic Devices and Circuits", PHI Learning Private Ltd, India, 4th Edition, 2020
5. Wayne Tomasi, "Electronic Communication Systems- Fundamentals Theory Advanced", Pearson Education, 6th Edition, 2018.

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1. <https://nptel.ac.in/courses/108/108/108108076/>
2. <https://www.electrical4u.com/>
3. <https://nptel.ac.in/courses/108/102/108102146/>
4. https://onlinecourses.nptel.ac.in/noc21_ee55/
5. <https://nptel.ac.in/courses/117/102/117102059>

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	3	3	-	2	-	-	-	-	-	1	3	2	-
2	3	3	3	-	2	-	-	-	-	-	1	3	2	-
3	3	3	3	-	2	-	-	-	-	-	1	3	2	-
4	3	3	3	-	2	-	-	-	-	-	1	3	2	-
5	3	3	3	-	2	-	-	-	-	-	1	3	2	-
6	3	3	3	-	2	-	-	-	-	-	1	3	2	-

Correlation Level: 1 – Low, 2 – Medium, 3 – High

Department	EEE and ECE			Programme: B.Tech.							
Semester	I / II			Course Category: ES			End Semester Exam Type: LE				
Course Code	U26ESPCXX			Periods/Week			Credit	Maximum Marks			
				L	T	P	C	CAM	ESE	TM	
Course Name	Basics of Electrical and Electronics Engineering Laboratory			0	0	2	1	50	50	100	
(Common to CSE, IT, MECH, CIVIL, MCTR, CCE, AI&DS, FT, CSBS Branches)											
Prerequisite	Mathematics, Physics, Chemistry										
Course Outcomes	On completion of the course, the students will be able to								BT Mapping (Highest Level)		
	CO1	Build the different wiring for domestic and commercial applications.								K3	
	CO2	Design and analyze the domestic power distribution.								K3	
	CO3	Estimate the performance of transformer and motors by conducting load test.								K3	
	CO4	Describe characteristics of semiconductor diode and utilize it for different applications								K5	
	CO5	Relate the characteristics of various transistor								K2	
	CO6	Understand Rectifiers and Regulators								K2	
List of Experiments											
Section– A Electrical Experiments Demonstration on power sources, ammeter, voltmeter, wattmeter, and energy meter, along with electrical safety precautions and the study of tools, accessories, electrical joints, and electrical symbols, are prerequisites for conducting this Electrical Engineering laboratory. 1. Domestic Wiring Practice • Staircase wiring • Doctor’s room wiring • Godown wiring 2. Efficiency Comparison of Incandescent, CFL, and LED Lamps 3. Design of Domestic power distribution. 4. Design and study the principle of electromagnetic induction using a copper coil. 5. Load test on single phase transformer. 6. Load test on single phase Induction Motor.											
Section – B Electronics Experiments Study of Electronic components and equipment: Resistor, Capacitor 1. Measurement of AC signal parameter (Peak-Peak, rms period, frequency) using CRO. 2. VI Characteristics of PN junction diode, Zener diode 3. Input and output characteristics of Common Emitter configuration of BJT 4. Characteristics of JFET 5. Measurement of Ripple factor of HWR, FWR 6. Voltage Regulator using Zener Diode											
Lecture Periods: -			Tutorial Periods: -			Practical Periods:30			Total Periods:30		
Reference Books											
1. S. Gowri, T. Jeyapoovan Nadar, “Engineering Practices Lab Manual”, Vikas Publishing House Private Limited, New Delhi, 5th Edition, 2014. 2. A. Sudhakar and S. P. Shyam Mohan, “Circuits and Networks: Analysis and Synthesis”, Tata McGraw Hill Publishing Company Ltd., New Delhi, 5th Edition, 2017. 3. D. P. Kothari and I.J. Nagrath, “Electric Machines”, Tata McGraw Hill, New Delhi, 5th Edition, 2017. 4. Edward Hughes, John Hiley, Keith Brown, Ian McKenzie Smith, “Electrical and Electronics Technology”, Pearson Education Limited, New Delhi, 12th Edition, 2016. 5. S.K. Sahdev, “Fundamentals of Electrical Engineering and Electronics”, Dhanpat Rai and Co, 2017.											
Web References											
1. http://eie.sliet.ac.in/laboratories/basic-electrical-engineering-lab/ 2. https://www.electronics-tutorials.ws/accircuits/series-circuit.html 3. https://www.allaboutcircuits.com/textbook/experiments/ 4. https://www.electronicshub.org/measurements-of-ac-current/ 5. http://www.electronics-tutorials.ws											

COs/POs/PSOs Mapping

Cos	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	2	3	-	-	1	-	3	-	-	1	3	2	-
2	3	2	3	-	-	1	-	3	-	-	1	3	2	-
3	3	2	3	-	-	1	-	3	-	-	1	3	2	-
4	3	2	3	-	-	1	-	3	-	-	1	3	2	-
5	3	2	3	-	-	1	-	3	-	-	1	3	2	-
6	3	2	3	-	-	1	-	3	-	-	1	3	2	-

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	Electrical and Electronics Engineering				Programme: B. Tech.						
Semester	II				Course Category:			End Semester Exam Type: TE			
Course Code	U26EETCXX				Periods/Week			Credit	Maximum Marks		
					L	T	P	C	CAM	ESE	TM
Course Name	ELECTRICAL TECHNOLOGY				3	0	0	3	25	75	100
ECE											
Prerequisite											
Course Outcomes	On completion of the course, the students will be able to									BT Mapping (Highest Level)	
	CO1	Interpret the layout and functions of an electrical power system, domestic wiring methods, wiring accessories, earthing, insulators, and cables used in electrical installations.								K3	
	CO2	Illustrate the construction and working of single-phase transformers and analyze efficiency, losses, voltage regulation, and auto-transformer advantages.								K4	
	CO3	Demonstrate the principles, construction, and characteristics of DC motors and generators and apply speed control and starting methods for practical applications.								K2	
	CO4	Explain the operation of induction motors, alternators, and synchronous motors and analyze performance characteristics for suitable applications.								K3	
	CO5	Describe and compare the operation of various special machines.								K2	
UNIT – I	Fundamentals of Electrical Systems and Protection Devices							Periods:09			
Layout of electrical power system and its functions, Wiring Accessories, Types of domestic wiring, Necessity of earthing, insulators and cables, Safety devices - fuse, relay and circuit breaker - Sensors and its types – Types of Batteries										CO1	
UNIT – II	Transformers							Periods:09			
Single-phase transformer: Construction & principle of operation, EMF equation, types, phasor diagram, Equivalent circuit, Voltage regulation, efficiency, Losses in transformers, load test -- Introduction to three phase transformer.										CO2	
Auto transformer: construction and copper saving											
UNIT – III	DC Machines							Periods:09			
DC generator: construction, principle of operation, EMF equation, types of DC generators, Characteristics of series and shunt generators										CO3	
DC motor: principle of operation, Torque equation, Types of DC motors, back-EMF, speed control methods, Need for starters and types - Applications of DC machines											
UNIT – IV	AC Machines							Periods:09			
Single Phase Induction motor: Principle of operation, starting methods, applications.										CO4	
Three Phase Induction Motor: Principle and Construction, Types, Slip-torque characteristics, applications.											
Alternator: construction, principle of operation, Synchronous motor: principle, starting methods.											
UNIT – V	Special Electrical Machines							Periods:09			
Servo motor: DC and AC servomotors.										CO5	
Stepper motors: Variable reluctance and permanent magnet stepper motors.											
Reluctance motor, Hysteresis motor, Universal motor, Repulsion motor and BLDC motor - Applications.											
Lecture Periods: 45		Tutorial Periods: -		Practical Periods: -			Total Periods: 45				
Text Books											
1. Ritu Sahdev, “Basic Electrical Engineering”, Khanna Publishing House, 1 st Edition, 2024. 2. P.V. Prasad, S.Sivanagaraju, “Electrical Engineering: Concepts and Applications” Cengage, 3 rd Edition, 2018 3. D. P. Kothari and I. J. Nagrath, “Basic Electrical Engineering”, Tata McGraw Hill, 4 th Edition, 2025. 4. D. C. Kulshreshtha, “Basic Electrical Engineering”, McGraw Hill, 2 nd Edition, 2019.											
Reference Books											
1. E. Hughes, “Electrical and Electronics Technology”, Pearson, 12 th Edition, 2025. 2. L. S. Bobrow, “Fundamentals of Electrical Engineering”, Oxford University Press, 2 nd Edition, 2003 3. V. D. Toro, “Electrical Engineering Fundamentals”, Pearson India, 2 nd Edition, 2018.											
Web References											
1. https://sites.google.com/gecg28.ac.in/electrical-section-gecg/be01000051-basic-electrical-engineering/syllabus?utm_source=chatgpt.com 2. https://www.magicmarks.in/product/electrical-engineering/?utm_source=chatgpt.com 3. https://onlinecourses.nptel.ac.in/noc24_ee125/preview 4. https://jnturesource.com/jntuh-syllabus/EC/R18/1-2/EE203ES?utm_source=chatgpt.com 5. https://www.iare.ac.in/sites/default/files/UG20/Basic Electrical Engineering.pdf?utm_source=chatgpt.com											

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	2	-	-	-	-	-	-	-	-	1	2	2	1
2	3	3	-	-	-	-	-	-	-	-	1	2	2	1
3	2	3	-	-	-	-	-	-	-	-	1	3	2	1
4	2	3	-	-	-	-	-	-	-	-	1	3	3	1
5	2	2	-	-	-	-	-	-	-	-	1	2	2	1

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Department	Electrical and Electronics Engineering				Programme: B. Tech.						
Semester	II				Course Category: ES		End Semester Exam Type: LE				
Course Code	U26EEPCXX				Periods/Week		Credit	Maximum Marks			
					L	T	P	C	CAM	ESE	TM
Course Name	ELECTRICAL TECHNOLOGY LABORATORY				0	0	2	1	50	50	100
ECE											
Prerequisite	Mathematics, Physics,Chemistry										
Course Outcomes	On completion of the course, the students will be able to										BT Mapping (Highest Level)
	CO1	Understand the practical aspects of domestic wiring.									K3
	CO2	Demonstrate the operations of various Transformers.									K3
	CO3	Illustrate the operational details of the DC machines by conducting various tests.									K3
	CO4	Compare the various speed control techniques of DC motors.									K3
	CO5	Infer the performance of AC machines by conducting suitable experiments.									K3
List of Experiments:											
Study of tools, accessories, electrical joints, and electrical symbols											
1. Domestic Wiring Practice (Staircase Wiring, Doctor's Room Wiring, Godown Wiring) 2. Load test on single phase transformer. 3. Load test on 3 phase transformers 4. Measurement of three phase power using two wattmeter method 5. OCC and Load test on DC shunt Generator. 6. Load test on DC shunt motor. 7. Load test on DC series motor 8. Speed control methods of DC motor. 9. Load test on single phase Induction Motor. 10. Load test on 3 phase induction motor											
Lecture Periods: -			Tutorial Periods: -			Practical Periods: 30			Total Periods: 30		
Reference Books											
1. B.L. Theraja, "Electrical Technology Vol.- II AC/DC Machines", S. Chand, 2008 2. D. C. Kulshreshtha, "Basic Electrical Engineering", Tata McGraw Hill Education Private Limited, 2 nd Edition, 2019. 3. D. P. Kothari and I. J. Nagrath, "Electric Machines", Tata McGraw Hill Publishing Company Ltd, 5 th Edition, 2017. 4. V. K. Mehta & Rohit Mehta, "Principle of Electrical Machines", S. Chand Publishers, 2014. 5. D Kothari, I Nagrath, "Basic Electrical Engineering", Tata Mcgraw Hill Education, 4 th Edition, 2019. 6. M. S. Sukhija, T. K Nagsarkar, "Basic Electrical Engineering", Oxford University Press, 2011.											
Web References											
1. https://www.electrical4u.com/electric-machines/ 2. https://www.javatpoint.com/electrical-machines-tutorial 3. https://www.coursera.org/lecture/linear-circuits-ac-analysis/5-1-transformers-dB0z9 4. https://www.elprocus.com/alternating-current-and-direct-current-and-its-applications/ 5. https://www.electronicshub.org/electrical-systems-and-methods-of-electrical-wiring/											

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)											Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
1	3	2	1	-	2	-	-	-	3	-	-	1	3	1
2	3	2	1	-	2	-	-	-	3	-	-	1	3	1
3	3	2	1	-	2	-	-	-	3	-	-	1	3	1
4	3	2	1	-	2	-	-	-	3	-	-	1	3	1
5	3	2	1	-	2	-	-	-	3	-	-	1	3	1

Correlation Level: 1 – Low, 2 – Medium, 3 – High

Annexure – IV
Regulations, Curriculum, Syllabi of Honour
/ Minor degree Programme under R-2023,
Academic calendar and details of students
registered



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)

Puducherry

Regulations
for
B. Tech. with Honours / Minor Degree Programmes



TABLE OF CONTENTS

Regulations for B.Tech with Honours / Minor Degree Programme in Engineering Discipline

Sl.No.	Content	Page No.
	Introduction	35
I. Regulations for B. Tech. with Honours Degree in Engineering Discipline		
H1	Preamble	35
H2	Objective	35
H3	Eligibility Criteria	35
H4	Registering and selection for a Honours degree Programme	35
H5	Registration and Enrollment of Courses	35
H6	Programme structure of a Honours Degree	36
H7	Duration of the Honours degree programme	36
H8	Dropping of a honours	36
H9	Attendance	36
H10	Assessment and Examinations	37
H11	Minimum passing requirement and grading	38
H12	Academic Dishonesty	38
H13	Award of Honours degree	39
II. Regulations for B. Tech. with Minor Degree in Engineering Discipline		
M1	Preamble	39
M2	Objective	39
M3	Eligibility Criteria	39
M4	Registering and selection for a Minor degree Programme	39
M5	Registration and Enrollment of Courses	40
M6	Programme structure of a Minor Degree	40
M7	Duration of the Minor degree programme	40
M8	Dropping of a Minor	40
M9	Attendance	40
M10	Assessment and Examinations	41
M11	Minimum passing requirement and grading	42
M12	Academic Dishonesty	43
M13	Award of Minor degree	43

Regulations for B.Tech with Honours / Minor Degree Programme in Engineering Discipline

Introduction

Students are permitted to opt for an Honours or Minor degree in addition to the degree in their core engineering discipline. The student is required to earn an additional 18 to 20 credits (over and above the total 165 to 170 credits prescribed in the curriculum as stated by AICTE) starting from fourth semester to eighth semester and become eligible for the award of Honours Degree. This option can be chosen from the fourth semester onwards, based on academic performance up to the third semester. Students admitted through lateral entry may choose this option at the end of the third semester, based on the GPA obtained in the third semester examination. The regulations for the Honours/Minor degree programme are as follows:

I. Regulations for B. Tech. with Honours Degree Programme in Engineering Discipline

H1. Preamble: These regulations governing the award of 'Honours' in B.Tech. degree programmes have been formulated in accordance with the provisions outlined in the AICTE model curriculum for undergraduate programmes in Engineering and Technology. The aim of these provisions is to facilitate the recognition and award of higher qualifications to well-performing undergraduate students who earn additional credits within the same time frame for their programme. In adopting these provisions, the institution has taken necessary measures to ensure that the quality and standard of the degree awards remain uncompromised and continue to meet the highest standards.

H2. Objective: To provide students with a deeper understanding of their chosen field, and to help them develop expert knowledge and skills.

H3. Eligibility Criteria

- (i) Students shall be given the option to earn extra credits toward obtaining an Honours Degree in Engineering Programme, starting from the fourth semester, based on their academic performance up to the third semester. Students admitted in the second year through the Lateral Entry Scheme shall also be eligible to opt for the Honours Degree.
- (ii) A student is eligible to **choose this option** if he/she has passed all the courses offered by this Institution upto third semester in the first attempt itself and has earned a **CGPA / GPA* (*for Lateral Entry) of not less than 8.0.**

H4. Registering and selection for a Honours degree Programme

- (i) **Consultation:** Interested students should consult with their assigned Class Advisor/Programme Academic Coordinator/HoD to discuss their eligibility and programme details.
- (ii) The minimum number of students enrolled in fourth semester for the honours Degree programme shall be decided by the respective departments. Also, students have to pay fees for pursuing the courses for honours Degree programme.
- (iii) **Application Submission:** After consultation, students have to submit their application through the respective department.
- (iv) **Departmental Submission:** Departments will compile a consolidated list of applicants and forward it to the Office of the Controller of Examinations through Dean Academics and Head of the Institutions for verification.

H5. Registration and Enrollment of Courses

- (i) The process of signing-up for courses is called 'Registration'. Students are enrolled after they pay the prescribed fees. The selected students enrol into the Honours degree programme by paying the prescribed fee for the course in the consecutive semesters from 4th to 8th.

- (ii) The student is permitted to register for maximum of 1 course per semester from the Honours degree curriculum, over and above the maximum credits permitted for a Major degree of study.
- (iii) For a student to attend classes he/she must necessarily complete both registration and enrolment. All students shall formally register for the course in a particular semester to undergo their learning course for honour degree programme. The registration sheet contains the course code, course title, number of credits earned till date, number of credits opted for honours degree programme in the current semester, and the remaining number of credits to earn for the award of the degree.

H6. Programme structure of a Honours Degree

- (i) The student is required to earn an additional 18 to 20 credits (over and above the total 165 to 170 credits prescribed in the curriculum as stated by AICTE) starting from fourth semester onwards to become eligible for the award of Honours Degree. 18 to 20 credits shall be earned by the student by completing 6 additional courses offered from 4th to 8th semesters.
- (ii) The student shall be given an option to earn 3 credits through 12 week NPTEL course (equivalent) instead of any one course among 3 theory courses listed for Honours Degree programme by the respective department and shall be completed prior to the commencement of 8th semester.
- (iii) The CGPA for the major B.Tech. degree programme will be calculated excluding the credits earned by the student for the courses undertaken under the Honours Degree programme.
- (iv) Details about the courses completed and credits earned for Honours Degree will appear in a 'Consolidated Grade Sheet'.
- (v) The courses completed under Honours degree programme will be listed under the heading 'Credits Earned for Honours Degree'. In the case of students who either withdraw from Honours Degree or become ineligible for Honours Degree by not securing **8.5 CGPA (First Class with Distinction)**, the credits earned for the courses registered and successfully completed for Honours Degree will be listed under the heading '**Additional credits earned**'.

H7. Duration of the Honours degree programme

All the courses for the honours degree programme to be completed between 4th to 8th semesters in the first attempt during the normal duration of study of the major degree programme as per the regulations.

H8. Dropping of a honours

- (i) A student can choose the option to withdraw from the Honours Degree at any time after entry during the course of time. But amount paid will not be refunded.
- (ii) Student having backlogs in any of regular semester courses at any stage will not be eligible to continue the Honours Degree Programme.
- (iii) If a student fails in any course of the Honours, he/she shall not be eligible to continue the Honours Degree Programme. There is no option for supplementary examination for the courses chosen for Honours Degree. However, the students are eligible to claim for photocopy of the answer script and Revaluation as per clause 12.2 of B. Tech Regulations R-2023. Also, the additional credits and grades earned so far by the student will be listed under the heading '**Additional credits earned**'.

H9. Attendance

A student must maintain an attendance record of at least 75% in individual courses, exclusive of leave of absence due to medical reasons, on-duty, extracurricular/ extramural activities, permitted assignments such as job interviews, unforeseen emergencies etc. Without the minimum attendance of 75%, in any course, students become ineligible to appear for the end semester examination in that course. His / Her registration for that course will be treated as cancelled. A student who was ineligible to appear for the examination in a course due to lack of attendance shall not be permitted to retake that course. In such a case a student must drop the Honours programme.

H10. Assessment and Examinations

- (i) The total marks for each course comprising of two components namely Continuous Assessment Marks (CAM) and End Semester Examination Marks (ESM). Assessment and Examination procedures for the theory courses, theory cum practical and project courses under Honours Degree programmes shall be assessed as per Table H1, H2 and H3.

Table H1. Assessment Procedure for theory courses for Honours Degree Programmes

	Continuous Assessment Marks (CAM)					End Semester Examination ^{##}	Total Marks (CAM+ESM)
	CAT 1	CAT 2	Model ^{##}	Assignment [#]	Attendance ^{##}		
Portion for Test	2 Units	2 Units	All 5 Units			All 5 Units	
Assessment Methodology	MCQ Test	MCQ Test	Written Exam	Individual Task #		Written Exam	
	50 Questions for Analytical Course 75 Questions for Theory Course						
Duration of the Test	1 hour 30 Minutes	1 hour 30 Minutes	3 hours			3 hours	
Test Marks	50	50	75	20	5	75	
Weightage for CAM	5	5	5	5	5		
CAM / ESM	CAM = 25					ESM = 75	100

Open Book Analytical Exam/Analyse Real world problems and propose solutions/ Tool or Subject Proficiency Analysis – Test the Students skill by giving individual task/ Paper Presentation/Micro Project Presentation/Idea Presentation for the Societal Problem ;(Questions standard shall be of level 3 or more in Blooms Taxonomy)

Distribution of Marks for Attendance, the Question Paper Pattern for Model and ESE are same as given in B. Tech. Regulations R2023 for Theory Courses **under clause 9.1.**

Table H2. Assessment procedure for theory cum practical courses for Honours Degree Programmes

Assessment	Continuous Assessment Marks (CAM)									End Semester Examination Marks (ESM) (Practical)	##End Semester Examination (Theory)	Total Marks (CAM+ ESM)
	Continuous Assessment (Theory)					Continuous Assessment (Practical)						
	CAT 1	CAT 2	Model ##	Attendanc e##	Tot al	Conducti on of Practical	Report	Viva	To tal			
Portion for Test	1 ½ Units	1 ½ Units	All 3 Units							Practical Exam	All 3 Units	
Assessment Methodology	MCQ Test	MCQ Test	Written Exam								Written Exam	
	50 Questions for Analytical Course 75 Questions for Theory Course											
Duration of the Test	1 hour 30 Minutes	1 hour 30 Minutes	3 hours									
Marks	50	50	75	5		15	10	5	30 *	30	75 (To be weighted for 50 Marks)	
Weightage of CAM	2.5	2.5	2.5	2.5	10	*To be weighted for 10 Marks				10		
CAM / ESM	CAM =10+10 = 20									ESM (Practical)= 30	ESM (Theory) = 50	100

Distribution of Marks for Attendance, the Question Paper Pattern for Model and ESE are same as given in B. Tech. Regulations R2023 for Theory cum practical Courses **under clause 9.3.**

- (ii) **Project Evaluation:** The project evaluation shall be carried out by a Project evaluation committee comprising the Head of the Department or his/her nominee (Chairperson), Project coordinator (Professor / Associate Professor) and the project guide(s) as per the evaluation given in table H3.

Table H3. CAM and ESM break-up for Project Work

Sl. No	Description			Weightage
1	Continuous Assessment Marks			
a	Review 1	Review Committee	15	25
		Supervisor	10	
b	Review 2	Review Committee	15	25
		Supervisor	10	
	Total CAM			50
2	End Semester Marks			
a	Evaluation of project work report and Viva-voce	Report	15	50
		Presentation and Viva	20	
		Demonstration	15	
	Total ESM			50
	Total Marks			100

H11. Minimum passing requirement and grading

- (i) **A student is declared to have successfully passed a theory-based course if he/she has secured:**

A minimum of 40% marks in the End Semester Examinations and a minimum of 50% marks on combining both Continuous Assessment Marks (CAM) and End Semester Examination Marks (ESM).

- (ii) **A student is declared to have successfully passed a theory cum practical based course if he/she has secured:**

A minimum of 50% marks in the End Semester Examinations (ESE- Theory) and a minimum of 50% marks in the End Semester Examinations (ESE-Practical) and a minimum of 50% marks on combining both Continuous Assessment Marks (CAM) and End Semester Examination Marks (ESM).

- (iii) **A student is declared to have successfully passed a project-based course if he/she has secured:**

A minimum of 50% marks in the End Semester Examinations and a minimum of 50% marks on combining both Continuous Assessment Marks (CAM) and End Semester Examination Marks (ESM).

- (iv) All assessments of a course will be evaluated exactly based on the marks. However, for the purpose of reporting the performance of a candidate, letter grade with grade points will be awarded as per the range given in Table 13.1 under clause 13 of B.Tech Regulations R-2023, based on the percentage of marks obtained by the candidate in each course.

H12. Academic Dishonesty

When a student is found responsible for a violation of the SMVEC code of conduct pertaining to academic dishonesty (Malpractice in Examinations), the Office of Controller of Examinations will initiate action based on the pre-approved procedures. Appropriate penalty or punishment will be awarded to the student.

H13. Award of Honours degree

- (i) A student is eligible to get the Honours Degree only on completing the programme in 'First Class with Distinction' (As per B. Tech Regulations R-2023, Clause 14.1.1(i), Students who have successfully completed the programme within eight consecutive semesters (six consecutive semesters for Lateral Entry students) and obtained a final CGPA of 8.5 or above by passing the End Semester Examination in all the courses from first to eighth semester in the first attempt will be declared to have passed in First Class with Distinction)
- (ii) Nomenclature of Honours Degree is 'B.Tech.(Hons.) in XXX with specialization in YYY', where XXX is Degree in which the student is enrolled and YYY is the Honours Degree specializations.

II. Regulations for B. Tech. with Minor Degree Programme in Engineering discipline

M1. Preamble

These regulations governing the award of a 'Minor' in B.Tech. degree programmes have been framed in accordance with the provisions outlined in the AICTE model curriculum for undergraduate programmes in Engineering and Technology. These provisions are intended to facilitate the award of additional qualifications and recognition to well-performing undergraduate students who earn extra credits within the regular duration of the programme. In adopting these provisions, the institution has taken appropriate measures to ensure that the quality and standards of the degree awards are not compromised and continue to be maintained at a high level.

M2. Objective: To allow students to gain additional knowledge in a secondary field of study that complements their major, enhancing their skillset and employability by providing expertise in a related area.

M3. Eligibility Criteria

- (i) Students shall be given the option to earn extra credits toward obtaining a Minor Degree in Engineering Programme, starting from the fourth semester, based on their academic performance up to the third semester. Students admitted in the second year through the Lateral Entry Scheme shall also be eligible to opt for the Minor Degree.
- (ii) A student is eligible to **choose this option** if he/she has passed all the courses offered by this Institution upto third semester in the first attempt itself and has earned a **CGPA / GPA* (*for Lateral Entry) of not less than 8.0.**

M4. Registering and selection for a Minor degree Programme

- (i) **Consultation:** Interested students should consult with their assigned Class Advisor/Programme Academic Coordinator/HoD to discuss their eligibility and programme details.
- (ii) The minimum number of students enrolled in fourth semester for the Minor Degree programme shall be decided by the respective departments. Students can enroll for the Minor Degree programme by paying the prescribed registration fee fixed by the Institution. Also, students have to pay fees for pursuing the courses for Minor Degree programme.
- (iii) **Application Submission:** After consultation, students have to submit their application through the respective department.
- (iv) **Departmental Submission:** Departments will compile a consolidated list of applicants and forward it to the Office of the Controller of Examinations through Dean Academics and Head of the Institution for verification.

M5. Registration and Enrollment of Courses

- (i) The process of signing-up for courses is called 'Registration'. Students are enrolled after they pay the prescribed fees. The selected students enrol into the Minor degree programme by paying the prescribed fee for the course in the consecutive semesters from 4th to 8th.
- (ii) The student is permitted to register for maximum of 1 course per semester from the Minor degree curriculum, over and above the maximum credits permitted for a Major degree of study.
- (iii) For a student to attend classes he/she must necessarily complete both registration and enrolment. All students shall formally register for the course in a particular semester to undergo their learning course for Minor degree programme. The registration sheet contains the course code, course title, number of credits earned till date, number of credits opted for minor degree programme in the current semester, and the remaining number of credits to earn for the award of the degree.

M6. Programme structure of a Minor Degree

- (i) The student is required to earn an additional 18 to 20 credits (over and above the total 165 to 170 credits prescribed in the curriculum as stated by AICTE) starting from fourth semester onwards to become eligible for the award of Minor Degree. 18 to 20 credits shall be earned by the student by completing 6 additional courses offered from 4th to 8th semesters.
- (ii) The student shall be given an option to earn 3 credits through 12 week NPTEL course (equivalent) instead of any one course among 3 theory courses listed for Minor Degree programme by the respective department and shall be completed prior to the commencement of 8th semester.
- (iii) The CGPA for the major B.Tech. degree programme will be calculated excluding the credits earned by the student for the courses undertaken under the Minor Degree programme.
- (iv) Details about the courses completed and credits earned for Minor Degree will appear in a 'Consolidated Grade Sheet'.
- (v) The courses completed under the Minor Degree programme will be listed under the heading '**Credits earned for Minor Degree**'. In the case of students who either withdraw from the Minor Degree programme or become ineligible due to failure in any course of the Minor programme, the credits earned for the courses registered and successfully completed will be listed under the heading '**Additional credits earned**'.

M7. Duration of the Minor degree programme

All the courses for the Minor degree programme to be completed between 4th to 8th semesters in the first attempt during the normal duration of study of the major degree programme as per the regulations.

M8. Dropping of a Minor

- (i) A student can choose the option to withdraw from the Minor Degree at any time after entry during the course of time. But amount paid will not be refunded.
- (ii) Student having backlogs in any of regular semester courses at any stage will not be eligible to continue the Minor Degree Programme.
- (iii) If a student fails in any course of the Minor, he/she shall not be eligible to continue the B. Tech Minor Degree Programme. There won't be any supplementary examination for the courses chosen for Minor Degree. However, the students are eligible to claim for photocopy of the answer script and Revaluation as per clause 12.2 of B. Tech Regulations R-2023. Also, the additional credits and grades earned so far by the student will be listed under the heading 'Additional credits earned'.

M9. Attendance

A student must maintain an attendance record of at least 75% in individual courses, exclusive of leave of absence due to medical reasons, on-duty, extracurricular/ extramural activities, permitted assignments such as job interviews, unforeseen emergencies etc. Without the minimum attendance

of 75%, in any course, students become ineligible to appear for the end semester examination in that course. A student who was ineligible to appear for the examination in a course due to lack of attendance shall not be permitted to retake that course. In such a case a student must drop the Minor programme.

M10. Assessment and Examinations

The total marks for each course comprising of two components namely Continuous Assessment Marks (CAM) and End Semester Examination Marks (ESM). Assessment and Examination procedures for the theory courses, theory cum practical and project courses under Minor Degree programmes shall be assessed as per Table M1, M2 and M3.

Table M1. Assessment Procedure for theory courses for Minor Degree Programmes

	Continuous Assessment Marks (CAM)					End Semester Examination ^{##}	Total Marks (CAM+ESM)
	CAT 1	CAT 2	Model ^{##}	Assignment [#]	Attendance ^{##}		
Portion for Test	2 Units	2 Units	All 5 Units			All 5 Units	
Assessment Methodology	MCQ Test	MCQ Test	Written Exam	Individual Task #		Written Exam	
	50 Questions for Analytical Course 75 Questions for Theory Course						
Duration of the Test	1 hour 30 Minutes	1 hour 30 Minutes	3 hours			3 hours	
Test Marks	50	50	75	20	5	75	
Weightage for CAM	5	5	5	5	5		
CAM / ESM	CAM = 25					ESM = 75	100

Open Book Analytical Exam/Analyse Real world problems and propose solutions/ Tool or Subject Proficiency Analysis – Test the Students skill by giving individual task/ Paper Presentation/Micro Project Presentation/Idea Presentation for the Societal Problem;(Questions standard shall be of level 3 or more in Blooms Taxonomy)

Distribution of Marks for Attendance, the Question Paper Pattern for Model and ESE are same as given in B. Tech. Regulations R2023 for Theory Courses **under clause 9.1.**

Table M2. Assessment procedure for theory cum practical courses for Minor Degree Programmes

Assessment	Continuous Assessment Marks (CAM)									End Semester Examination Marks (ESM) (Practical)	###End Semester Examination (Theory)	Total Marks (CAM+ ESM)
	Continuous Assessment (Theory)					Continuous Assessment (Practical)						
	CAT 1	CAT 2	Model ##	Attendance ##	Tot al	Conducti on of Practical	Repo rt	Viv a	Tot al			
Portion for Test	1 ½ Units	1 ½ Units	All 3 Units							Practical Exam	All 3 Units	
Assessment Methodology	MC Q Test	MCQ Test	Writte n Exam								Written Exam	
	50 Questions for Analytical Course 75 Questions for Theory Course											
Duration of the Test	1 hour 30 Minut es	1 hour 30 Minut es	3 hours							3 hours	3 hours	

Marks	50	50	75	5		15	10	5	30*	30	75 (To be weighted for 50 Marks)	
Weightage of CAM	2.5	2.5	2.5	2.5	10	*To be weighted for 10 Marks			10			
CAM / ESM	CAM =10+10 = 20									ESM (Practical)= 30	ESM (Theory) = 50	100

Distribution of Marks for Attendance, the Question Paper Pattern for Model and ESE are same as given in B. Tech. Regulations R2023 for Theory cum practical Courses **under clause 9.3.**

- (ii) **Project Evaluation:** The project evaluation shall be carried out by a Project evaluation committee comprising the Head of the Department or his/her nominee (Chairperson), Project coordinator (Professor / Associate Professor) and the project guide(s) as per the evaluation given in table M3.

Table M3. CAM and ESM break-up for Project Work

Sl. No	Description			Weightage
1	Continuous Assessment Marks			
a	Review 1	Review Committee	15	25
		Supervisor	10	
b	Review 2	Review Committee	15	25
		Supervisor	10	
	Total CAM			50
2	End Semester Marks			
a	Evaluation of project work report and Viva-voce	Report	15	50
		Presentation and Viva	20	
		Demonstration	15	
	Total ESM			50
	Total Marks			100

M11. Minimum passing requirement and grading

- (i) **A student is declared to have successfully passed a theory-based course if he/she has secured:**
A minimum of 40% marks in the End Semester Examinations and a minimum of 50% marks on combining both Continuous Assessment Marks (CAM) and End Semester Examination Marks (ESM).
- (ii) **A student is declared to have successfully passed a theory cum practical based course if he/she has secured:**
A minimum of 50% marks in the End Semester Examinations (ESE- Theory) and a minimum of 50% marks in the End Semester Examinations (ESE-Practical) and a minimum of 50% marks on combining both Continuous Assessment Marks (CAM) and End Semester Examination Marks (ESM).
- (iii) **A student is declared to have successfully passed a project-based course if he/she has secured:**
A minimum of 50% marks in the End Semester Examinations and a minimum of 50% marks on combining both Continuous Assessment Marks (CAM) and End Semester Examination Marks (ESM).
- (iv) All assessments of a course will be evaluated exactly based on the marks. However, for the purpose of reporting the performance of a candidate, letter grade with grade points will be awarded as per the range given in Table 13.1 under clause 13 of B.Tech Regulations R-2023, based on the percentage of marks obtained by the candidate in each course.

M12. Academic Dishonesty

When a student is found responsible for a violation of the SMVEC code of conduct pertaining to academic dishonesty (Malpractice in Examinations), the Office of Controller of Examinations will initiate action based on the pre-approved procedures. Appropriate penalty or punishment will be awarded to the student.

M13. Award of Minor degree

- (i) A student is eligible to get the Minor Degree only on completing the major degree programme (As per B. Tech Regulations R-2023, Clause 14.1.1(i), Students who have successfully completed the programme within eight consecutive semesters (six consecutive semesters for Lateral Entry students) and passing the End Semester Examination in all the courses from first to eighth semester in the first attempt itself.
- (ii) Nomenclature of Minor Degree is 'B.Tech. in XXX with specialization in YYY, where XXX is Degree in which the student is enrolled and YYY is the **Minor Degree specializations**.



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(An Autonomous Institution)

Puducherry

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

B.TECH. HONOURS / MINOR PROGRAMME
ELECTRIC VEHICLES

**ACADEMIC REGULATIONS 2023
(R-2023)**

CURRICULUM AND SYLLABI



B. Tech Honours / Minor Programme - ELECTRIC VEHICLES

CURRICULUM

COURSE DETAILS												
Sl. No.	Semester	Course Code	Course Title	Course Type**	Category	Periods			Credits	Max. Marks		
						L	T	P		CAM	ESM	Total
1	IV	U23VXT401	Electrical Vehicles: Design, Dynamics and Testing	T	PC / IC	3	-	-	3	25	75	100
2	V	U23VXT502	Energy Storage and Battery Management System	T	PC / IC	3	-	-	3	25	75	100
3	VI	U23VXB603	Electric Drives and Controls	B	PC / IC	3	-	2	4	50	50	100
4	VII	U23VXB704	Modelling and Simulation of EHV	B	PC / IC	3	-	2	4	50	50	100
5	VIII	U23VXT805	Autonomous and Connected Vehicles	T	PC / IC	3	-	-	3	25	75	100
6	VIII	U23VXW806	Project Work	PA	PC / IC	-	-	4	2	50	50	100
Total									19	225	375	600
Equivalent NPTEL courses##												
1	IV	U23VXT401	Electrical Vehicles: Design, Dynamics and Testing	Vehicle Dynamics and Electric Motor Drives					3	12 WEEKS COURSE		
2	IV			Vehicles and Renewable Energy					3			
3	V	U23VXT502	Energy Storage and Battery Management System	Electrochemical Energy Storage					3			

The student shall be given an option to earn 3 credits through one 12-week NPTEL course (Equivalent) instead of any one theory course listed for Honour / Minor degree programme and shall be completed before the commencement of eighth semester. The equivalent courses are subject to change based on its availability as per NPTEL course list.

** T – Theory, B – Theory cum Practical, PA – Project Work

Department	EEE			Programme: B.Tech Honours / Minor – Electric Vehicles						
Semester	IV			Course Category Code: PC/ IC		End Semester Exam Type: TE*				
Course Code	U23VXT401			Periods/Week		Credit	Maximum Marks			
				L	T	P	C	CAM	ESE	TM
Course Name	ELECTRICAL VEHICLES: DESIGN, DYNAMICS AND TESTING			3	-	-	3	25	75	100
Common to ALL Branches										
Prerequisite	Engineering Mechanics									
Course Outcomes	On completion of the course, the students will be able to								BT Mapping (Highest Level)	
	CO1	Summarize the basic functions of both Electric and Hybrid vehicles and their performance.							K2	
	CO2	Illustrate the automobile configurations, packaging, structural systems, aerodynamics and power demand, etc.,							K3	
	CO3	Predict the vehicle resistance and proficiently optimize the powertrain performance for FWD, RWD, and multi-wheel drive systems.							K3	
	CO4	Examine the vehicle testing, homologation, and standards compliance for safe automotive engineering.							K3	
	CO5	Demonstrate the requirement of vehicular safety systems and road regulations							K3	
UNIT- I	Introduction						Periods: 9			
History - Components of Electric Vehicle (EV)- General Layout of EV- EV classification- Comparison with Internal combustion Engine- Technology- Advantages and Disadvantages of EV. Hybrid vehicle – advantages- disadvantages- Architecture and energy flow– series, parallel, series-parallel- Drive train for hybrid and electric vehicles-Hybrid vehicle operating modes.										CO1
UNIT- II	Vehicle Dynamics						Periods: 9			
General Configuration of Automobile- Body and Chassis Fundamentals- General Packaging- Types of Structural System- Backbone Construction- Body and Chassis Materials. Automotive Aero-dynamics- Vehicle Power Demand Analysis- Types of suspension and drive- Tyre Mechanics-Tyres and wheels- Tyre characteristics- Vehicle handling and stability- Automotive instrumentation										CO2
UNIT- III	Vehicle Design						Periods: 9			
Vehicle resistance- Types: Rolling Resistance- grading resistance. Aerodynamic drag-vehicle performance- Calculation of Acceleration Force- maximum speed- Total Tractive Effort-Torque Required on drive Wheel- Transmission- Differential- clutch and gearbox- Braking performance. Front-Wheel Drive (FWD) Powertrains- Rear-Wheel Drive Powertrains (RWD)- Multi-Wheel Drive Powertrains (AWD and 4WD)										CO3
UNIT- IV	Vehicle Testing and Homologation						Periods: 9			
Need of vehicle testing and homologation- testing organizations- testing standards (AIS)- Hierarchy of testing- Individual component approval/testing- System level approval and Whole vehicle approval/testing- Conformity of production tests- Crash test- side impact test- rollover test- Impact test- Track testing										CO4
UNIT- V	Vehicular Safety and Government norms						Periods: 9			
Road and Automotive Safety Systems- Active and passive safety- Safety Regulations for vehicular application- occupant protection- Traffic signs- traffic rules- Government Norms- Regulations and Policies- penalties and procedures.										CO5
Lecture Periods:45			Tutorial Periods:-		Practical Periods:-			Total Periods: 45		
Text Books:										
1. Mehrdad Ehsani, Yimin Gao, Stefano Longo, Kambiz Ebrahimi, “Modern Electric, Hybrid Electric, and Fuel Cell Vehicles”, CRC Press, 2018. 2. David C Barton, John D Fieldhouse, “Automotive Chassis Engineering”, Springer International Publishing, 2018.										
Reference Books:										
1. Thomas Gillespie, “Fundamentals of Vehicle Dynamics”, SAE International, April 2021. 2. Ulrich Seiffert, Lothar, Wech, “Automotive Safety Handbook, SAE International, 2007.										
Web Reference:										
1. https://www.nhtsa.gov/ 2. https://www.ais.gov.in/ 3. https://www.opal-rt.com/automotive-overview/										

* TE – Theory Exam, LE – Lab Exam

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	3	2	3	2	1	2	1	-	-	-	-	1	3	3	2
2	3	2	3	2	1	2	1	-	-	-	-	1	3	3	2
3	3	2	3	2	1	2	1	-	-	-	-	1	3	3	2
4	3	2	3	2	1	2	1	-	-	-	-	1	3	3	2
5	3	2	3	2	1	2	1	-	-	-	-	1	3	3	2

Correlation Level: 1 – Low, 2 – Medium, 3 – High

Evaluation Methods

	Continuous Assessment Marks (CAM)					End Semester Examination##	Total Marks (CAM+ESM)
	CAT 1	CAT 2	Model##	Assignment#	Attendance##		
Portion for Test	2 Units	2 Units	All 5 Units			All 5 Units	
Assessment Methodology	MCQ Test	MCQ Test	Written Exam	Individual Task #		Written Exam	
	50 Questions for Analytical Course 75 Questions for Theory Course						
Duration of the Test	1 hour 30 Minutes	1 hour 30 Minutes	3 hours			3 hours	
Test Marks	50	50	75	20	5	75	
Weightage for CAM	5	5	5	5	5		
CAM / ESE Marks	CAM Marks = 25					ESE Marks = 75	100

Open Book Analytical Exam/Analyse Real world problems and propose solutions/ Tool or Subject Proficiency Analysis – Test the Students skill by giving individual task/ Paper Presentation/Micro Project Presentation/Idea Presentation for the Societal Problem;(Questions standard shall be of level 3 or more in Blooms Taxonomy)

Distribution of Marks for Attendance, the Question Paper Pattern for Model and ESE are same as given in B. Tech. Regulations R2023 for Theory Courses.

Dr. P. Jamuna

Text Books

1. Alfred Rufer, "Energy Storage Systems and Components", CRC Press, 2018.
2. Ibrahim Dincer, Halil S. Hamut and Nader Javani, "Thermal Management of Electric Vehicle Battery Systems", John Wiley & Sons Ltd., 2016.

Reference Books

1. James Larminie, John Lowry, "Electric Vehicle Technology Explained", John Wiley & Sons Ltd, 2012.
2. NITI Aayog, Handbook of Electric Vehicle Charging Infrastructure Implementation, Version 1, 2021.
3. T R Crompton, "Battery", Newnes- Reed Educational and Professional Publishing Ltd. 3rd Edition, 2000.
4. F. Beguin and E. Frackowiak, "Super capacitors- materials, Systems and Applications", Wiley-VCH & Company, 2013.
5. V.Hacker, S. Mitsushima, "Fuel Cells and Hydrogens: From Fundamentals to applied Research", Elsevier, 2018.
6. Fraunhofer IEE, IIT Bombay, DTU, and IIT Comillas, A Critical Review: Smart Charging Strategies and Technologies for Electric Vehicles, NDC-TIA, Nov. 2021.
7. D. Kettles, Electric Vehicle Charging Technology Analysis and Standards, Florida Solar Energy Center, Feb. 2015

Web References

1. <https://archive.nptel.ac.in/courses/108/103/108103009/>
2. <https://www.nhtsa.gov/>
3. <https://www.ais.gov.in/>
4. <https://www.opal-rt.com/automotive-overview/>
5. https://apem-journal.org/Archives/2019/APEM14-1_065-079.pdf
6. <https://ouci.dntb.gov.ua/works/4rrWg5X4/>
7. <https://www.beny.com/challenges-and-solutions-in-electric-vehicle-charging-infrastructure-development/>

* TE – Theory Exam, LE – Lab Exam

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	3	2	3	2	-	2	1	-	-	-	-	1	3	3	2
2	3	2	3	2	-	2	1	-	-	-	-	1	3	3	2
3	3	2	3	2	-	2	1	-	-	-	-	1	3	3	2
4	3	2	3	2	-	2	1	-	-	-	-	1	3	3	2
5	3	2	3	2	-	2	1	-	-	-	-	1	3	3	2

Correlation Level: 1 – Low, 2 – Medium, 3 – High

Evaluation Methods

	Continuous Assessment Marks (CAM)					End Semester Examination ^{##}	Total Marks (CAM+ESM)
	CAT 1	CAT 2	Model ^{##}	Assignment [#]	Attendance ^{##}		
Portion for Test	2 Units	2 Units	All 5 Units			All 5 Units	
Assessment Methodology	MCQ Test	MCQ Test	Written Exam	Individual Task #		Written Exam	
	50 Questions for Analytical Course 75 Questions for Theory Course						
Duration of the Test	1 hour 30 Minutes	1 hour 30 Minutes	3 hours			3 hours	
Test Marks	50	50	75	20	5	75	
Weightage for CAM	5	5	5	5	5		
CAM / ESE Marks	CAM Marks = 25					ESE Marks = 75	100

Open Book Analytical Exam/Analyse Real world problems and propose solutions/ Tool or Subject Proficiency Analysis – Test the Students skill by giving individual task/ Paper Presentation/Micro Project Presentation/Idea Presentation for the Societal Problem;(Questions standard shall be of level 3 or more in Blooms Taxonomy)

Distribution of Marks for Attendance, the Question Paper Pattern for Model and ESE are same as given in B. Tech. Regulations R2023 for Theory Courses.

Department	EEE		Programme: B.Tech Honours/ Minor – Electric Vehicles						
Semester	VI		Course Category: PC/IC			End Semester Exam Type: TE*			
Course Code	U23VXB603		Periods/Week			Credit	Maximum Marks		
			L	T	P	C	CAM	ESE	TM
Course Name	ELECTRIC DRIVES AND CONTROLS		3	0	2	4	50	50	100
Common to ALL Branches									
Prerequisite	Electrical Machines								
Course Outcomes	On completion of the course, the students will be able to								BT Mapping (Highest Level)
	CO1	Comprehend the types, design, and sizing of electric vehicle motors, including their torque-speed characteristics and role in EV propulsion systems.							K2
	CO2	Analyze the operation and performance of DC and AC motor drives with speed control techniques.							K2
	CO3	Apply the various control techniques for PMSM and BLDC motor drives for the performance optimization.							K3
	CO4	Analyze and implement DC and AC motor control techniques for various Electric Vehicles.							K4
	CO5	Implement control techniques for PMSM, and BLDC motor drives, optimizing performance and minimizing torque ripple.							K4
UNIT – I	Introduction to EV Drives					Periods:10			
Overview of EV Motors: Types of motors used in electric vehicles (EVs) and their classifications. Traction Motors Design: Design principles and sizing considerations for EV traction motors. Torque-Speed Characteristics: Analysis of constant-torque and constant-power modes in motor performance. Selection of Motor Power and converter Rating. Motor Comparison for EVs: Suitability analysis of motors for 2W, 3W, 4-wheelers, and large vehicles.									CO1
UNIT – II	DC Drives and Induction Motor Drives					Periods:10			
DC Drives: Phase controlled DC-Drives: Operation with continuous and discontinuous modes; Chopper Controlled DC Drives, Multi-Quadrant Operation, harmonics control in chopper, speed control method, closed loop control scheme. Induction Motor Drives: Speed control techniques: Stator voltage control, Variable frequency control, V/f control, Static rotor resistance control and Slip power recovery control schemes, Slip compensation technique. Field-oriented control and direct torque control of induction motors for EVs.									CO2
UNIT – III	BLDC and PMSM Drives					Periods:10			
BLDC Motor Drives: Principles of BLDC motor operation, inverter switching schemes for AC and DC, trapezoidal back EMF control, and design criteria for BLDC drives in EVs. PMSM Drives: Permanent Magnet Synchronous Motor (PMSM) construction, braking methods, field-oriented and flux-weakening control, and sensorless operation.									CO3
UNIT – IV	Electric Drives Practice -I					Periods:15			
1. Demonstration of wiring layout of electric vehicle. 2. Speed control of DC drives using phase-controlled rectifier 3. Speed control of DC drives using chopper control. 4. Performance Analysis of Induction motor Drive. 5. V/f Control of PWM Inverter Based Three Phase Induction Motor 6. Simulation of Rotor Resistance Scheme in Wound-Rotor Induction Motor									CO4
UNIT – V	Electric Drives Practice -II					Periods:15			
1. Speed control of FPGA based BLDC motor Drive 2. Simulation of PMSM speed control using the Field-Oriented Control method. 3. Sensorless Field Oriented Control for Permanent Magnet Synchronous Motor drive 4. Torques ripples reduction techniques in BLDC and PMSM motor drives. 5. Regenerative/ Dynamic breaking operation for AC motor using simulation software 6. Study of SRM motor drive fed by PWM inverter using simulation software.									CO5
Lecture Periods: 30		Tutorial Periods: -		Practical Periods: 30			Total Periods: 60		
Text Books									
3. KT. Chau, "Electric Vehicle Machines and Drives: Design, Analysis, and Application," Wiley-IEEE Press, 1st Edition, 2015. 4. John G. Hayes, G. Abas Goodarzi, "Electric Powertrain: Energy Systems, Power Electronics and Drives for Hybrid, Electric and Fuel Cell Vehicles," Wiley-Blackwell, 1st Edition, 2018.									

Reference Books

1. C.G. Hochgraf, M.J. Ryan, and H.L. Wiegman, "Engine Control Strategy for a Series Hybrid Electric Vehicle," Warrendale, PA, 2nd Edition, 2002.
2. Seth Leitman, Bob Brant, "Build Your Own Electric Vehicle," McGraw-Hill, 3rd Edition, 2013.
3. C.C. Chan, K.T. Chau, "Modern Electric Vehicle Technology," Oxford University Press, 1st Edition, 2001.

Web References

8. <https://archive.nptel.ac.in/courses/108/104/108104140/>
9. https://onlinecourses.nptel.ac.in/noc24_ee30/preview
10. <https://www.slideshare.net/slideshow/electric-drives-and-controls-unit-1-introduction/250009052>
11. <https://www.mygreatlearning.com/academy/learn-for-free/courses/introduction-to-inverters-and-electric-drive>
12. https://onlinecourses.swayam2.ac.in/ntr24_ed16/preview

* TE – Theory Exam, LE – Lab Exam

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	3	2	3	2	-	2	1	-	2	-	-	2	3	3	3
2	3	2	3	2	-	2	1	-	2	-	-	2	3	3	3
3	3	2	3	2	-	2	1	-	2	-	-	2	3	2	3
4	3	2	3	2	-	2	1	-	2	-	-	2	3	2	3
5	3	2	3	2	-	2	1	-	2	-	-	2	3	2	3

Correlation Level: 1 – Low, 2 – Medium, 3 – High

Evaluation Methods

Assessment	Continuous Assessment Marks (CAM) – Maximum 50 Marks										#End Semester Examination (ESE) (Theory)	Total Marks (CAM+ESE)
	Continuous Assessment (Theory)					Continuous Assessment (Practical)						
	CAT 1	CAT 2	Model ^{###}	Attendance ^{###}	Total	Conduction of Practical	Report	Viva	Total	End Semester Examination (ESE) Marks (Practical)		
Portion for Test	1 ½ Units	1 ½ Units	All 3 Units								All 3 Units	
Assessment Methodology	MCQ Test	MCQ Test	Written Exam							Practical Exam	Written Exam	
	50 Questions for Analytical Course 75 Questions for Theory Course											
Duration of the Test	1 hour 30 Minutes	1 hour 30 Minutes	3 hours							3 hours	3 hours	
Marks	50	50	75	5		15	10	5	30*	30	75 (To be weighted for 50 Marks)	
Weightage of CAM	2.5	2.5	2.5	2.5	10	*To be weighted for 10 Marks			10	30		
CAM / ESE Marks	CAM Marks =10+10+30=50										ESE Marks = 50	100

Distribution of Marks for Attendance, the Question Paper Pattern for Model and ESE are same as given in B.Tech. Regulations R2023 for Theory cum practical Courses

Department	EEE				Programme: B.Tech Honour / Minor – Electric Vehicles						
Semester	VII				Course Category Code: PC/ IC		End Semester Exam Type: TE*				
Course Code	U23VXB704				Periods / Week		Credit	Maximum Marks			
					L	T	P	C	CAM	ESE	TM
Course Name	MODELLING AND SIMULATION OF EHV				3	-	2	4	50	50	100
Common to All Branches											
Prerequisite	Electrical Machines										
Course Outcomes	On completion of the course, the students will be able to										BT Mapping (Highest Level)
	CO1	Apply the concept of modeling for electric vehicle and predict the performance.									K3
	CO2	Describe the drive train characteristics of electric vehicles									K3
	CO3	Analysis the vehicle dynamic control and energy management techniques									K3
	CO4	Design and simulate the Electric Vehicle Power train for the analysis									K4
	CO5	Implement the battery management system for the battery pack									K4
UNIT - I	Modeling of Electric Vehicles							Periods: 10			
Modeling Vehicle Acceleration - Acceleration performance parameters, modeling of acceleration of an electric scooter, modeling of acceleration of a small car. Electric Vehicle Modeling - Tractive Effort- Rolling resistance force- Aerodynamic drag- Hill climbing force- Acceleration force- Total tractive effort - Modeling Electric Vehicle Range - Driving cycles - Constant velocity range modeling - Range modeling of battery electric vehicles - fuel cell vehicles - hybrid electric vehicles										CO1	
UNIT - II	EV Drive Train Characteristics							Periods: 10			
Modeling and Characteristics of EV/HEV Power trains Components - ICE Performance Characteristics, Electric Motor Performance Characteristics - Battery Performance Characteristics - Transmission and Drive train Characteristics - Regenerative Braking Characteristics - Driving Cycles - Modeling and Analysis of Electric and Hybrid Electric Vehicles Propulsion and Braking - Longitudinal Dynamics Equation of Motion - Vehicle Propulsion Modeling and Analysis - Vehicle Braking Modeling and Analysis.										CO2	
UNIT - III	Vehicle Dynamic Control and Energy Management							Periods: 10			
Control of Electric and Hybrid Electric Vehicle Dynamics - Fundamentals of Vehicle Dynamic Control (VDC) Systems, VDC Implementation on Electric and Hybrid Vehicles – Case Studies, Rechargeable Battery Vehicles, Hybrid Vehicles, Fuel Cell Powered Vehicles. Handling Analysis of Electric and Hybrid Electric Vehicles - Simplified Handling Models Energy/Power Allocation and Management - Power/Energy Management Controllers – Rule Based Control Strategies – Optimization - Based Control Strategies.										CO3	
UNIT - IV	Modeling of EHV Practice -I							Periods: 15			
1. Determination of SoC, DoD, Cell Cycle for battery 2. Mathematical Modeling of lithium ion cell and design of battery pack / format. 3. Design and Development of Battery Pack for specified Rating 4. Electric Vehicle Power train Simulation using MATLAB/Simulink 5. Transmission and Drive train Simulation for EVs in MATLAB/Simulink 6. Rule-Based Power Management for Hybrid Electric Vehicles in Simulink										CO4	
UNIT - V	Modeling of EHV Practice -II							Periods: 15			
1. Implementation of Wiring Diagram for a 36V, 10S Battery Management System (BMS) 2. Implementation of Wiring Diagram and Testing of Smart BMS for a 48V, 15S battery pack 3. Battery Management System using battery pack equalizer through active balancer with Bluetooth monitoring 4. Microcontroller- Programmable Battery Management System 5. Design and Implementation of Conductive Charging Setup 6. Simulation of Vehicle Dynamic Control for Hybrid and Battery Electric Vehicles										CO5	
Lecture Periods: 30			Tutorial Periods:-			Practical Periods: 30			Total Periods: 60		
Text Books											
1. James Larminie, John Lowry, “Electric Vehicle Technology Explained”, John Wiley & Sons Ltd., 2 nd Edition, 2012. 2. Amir Khajepour, Saber Fallah and AvestaGoodarzi, “Electric and Hybrid Vehicles -Technologies, Modelling and Control: A Mechatronic Approach”, John Wiley & Sons Ltd, 1 st Edition, 2014.											
Reference Books											

1. Antoni Szumanowski, "Hybrid Electric Power Train Engineering and Technology: Modelling, Control, and Simulation", Idea Group, 1st Edition, 2013.
2. Mehrdad Ehsani, Yimin Gao, Ali Emadi, "Modern Electric, Hybrid Electric, and Fuel Cell Vehicles - Fundamentals, Theory, and Design, CRC Press, 2nd Edition", 2017.

Web References

1. https://archive.nptel.ac.in/content/syllabus_pdf/108103009.pdf
2. https://www.researchgate.net/publication/309548969_MODELING_AND_SIMULATION_OF_HYBRID_ELECTRIC_VEHICLES
3. <https://www.sciencedirect.com/science/article/pii/S2405896322014446>
4. https://www.academia.edu/1003352/A_Matlab_Based_Modeling_and_Simulation_Package_for_Electric_and_Hybrid_Electric_Vehicle_Design
5. https://www.academia.edu/90442341/Modeling_and_Simulation_of_Hybrid_Electric_Vehicle_Power_Systems?uc-sb-sw=17290990

* TE – Theory Exam, LE – Lab Exam

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	3	3	3	3	3	2	2	-	2	2	-	2	3	3	3
2	3	3	3	3	3	2	2	-	2	2	-	2	3	3	3
3	3	3	3	3	3	2	2	-	2	2	-	2	3	3	3
4	3	3	3	3	3	2	2	-	2	2	-	2	3	3	3
5	3	3	3	3	3	2	2	-	2	2	-	2	3	3	3

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Evaluation Methods

Assessment	Continuous Assessment Marks (CAM) – Maximum 50 Marks										##End Semester Examination (ESE) (Theory)	Total Marks (CAM+ESE)
	Continuous Assessment (Theory)					Continuous Assessment (Practical)						
	CAT 1	CAT 2	Model##	Attendance##	Total	Conduction of Practical	Report	Viva	Total	End Semester Examination (ESE) Marks (Practical)		
Portion for Test	1 ½ Units	1 ½ Units	All 3 Units								All 3 Units	
Assessment Methodology	MCQ Test	MCQ Test	Written Exam							Practical Exam	Written Exam	
	50 Questions for Analytical Course 75 Questions for Theory Course											
Duration of the Test	1 hour 30 Minutes	1 hour 30 Minutes	3 hours							3 hours	3 hours	
Marks	50	50	75	5		15	10	5	30*	30	75 (To be weighted for 50 Marks)	
Weightage of CAM	2.5	2.5	2.5	2.5	10	*To be weighted for 10 Marks			10	30		
CAM / ESE Marks	CAM Marks =10+10+30=50										ESE Marks = 50	100

Distribution of Marks for Attendance, the Question Paper Pattern for Model and ESE are same as given in B.Tech. Regulations R2023 for Theory cum practical Courses

Department	EEE		Programme: B.Tech Honours / Minor – Electric Vehicles							
Semester	VIII		Course Category: PC/ IC			End Semester Exam Type : TE*				
Course Code	U23VXT805		Periods/Week			Credit	Maximum Marks			
			L	T	P	C	CAM	ESE	TM	
Course Name	AUTONOMOUS AND CONNECTED VEHICLES		3	-	-	3	25	75	100	
Common to All Branches										
Prerequisite	Electrical Vehicles: Design, Dynamics and Testing									
Course Outcomes	On completion of the course, the students will be able to							BT Mapping (Highest Level)		
	CO1	Summarize the advanced driver assistance systems for connected vehicle							K2	
	CO2	Interpret the recent global navigation and Lidar technology for vehicle integration							K2	
	CO3	Apply the Perception path, Deep Learning, planning for autonomous and connected vehicles							K3	
	CO4	Demonstrate the hardware used in E-vehicle an computer architecture for Autonomous Driving							K3	
	CO5	Illustrate the ECU evolution in architecture by software defined vehicles							K3	
UNIT – I	Autonomous System Architecture					Periods: 9				
Overview-Autonomous Driving Algorithms-Sensing- Perception- Object Recognition and Tracking- Action- Autonomous Driving Client System-Robot Operating System- Hardware Platform- Autonomous Driving Cloud Platform-HD Map Production, Deep Learning Model Training.									CO1	
UNIT – II	Autonomous Vehicle Integration					Periods: 9				
Localization with GNSS- GNSS Overview- GNSS Error Analysis- Satellite-based Augmentation Systems- Real-Time Kinematic and Differential GPS- Precise Point Positioning- GNSS INS Integration.									CO2	
Localization with LiDAR and High-Definition Maps- LiDAR Overview-High-Definition Maps Overview- Localization with LiDAR and HD Map- Visual Odometry- Stereo Visual Odometry- Monocular Visual Odometry- Visual Inertial Odometry- Dead Reckoning and Wheel Odometry- Wheel Encoders- Wheel Odometry Errors- Reduction of Wheel Odometry Errors										
UNIT – III	Perception and Deep Learning in Autonomous Driving Perception					Periods: 9				
Introduction- Datasets- Detection- Segmentation- Stereo- Optical Flow- Scene Flow- Tracking- Deep Learning in Autonomous Driving- Convolutional Neural Networks- Detection- Semantic Segmentation- Stereo and Optical Flow- Planning and Control Overview- Architecture-Traffic Prediction -Lane Level Routing									CO3	
UNIT – IV	Client Systems for Autonomous Driving					Periods: 9				
Hardware platform for autonomous driving- Operating system-ROS overview- system reliability- performance improvement- Resource Management And Security- Computing Platform- existing computing solution- computer architecture design exploration- Autonomous Driving on Mobile Processor- V2V-System Architecture-Safet application- V2I overview- BIM- V2P- System Architecture- Vehicle Warning Strategy									CO4	
UNIT – V	Cloud Platform for Autonomous Driving					Periods: 9				
Infrastructure-distributed computing framework-distributed storage-heterogeneous computing- Simulation-BINPIPERDD-connecting spark and ROS-performance- Model training-need of SPARK-Training platform architecture-HD map generation. Autonomous driving-Vehicle Onboard Architecture- ECU software architecture –AUTOSAR- COVESA									CO5	
Lecture Periods: 45		Tutorial Periods:-		Practical Periods: -			Total Periods: 45			
Text Books										
1. Shaoshan Liu, Liyun Li, Jie Tang, Shuang Wu, Jean-Luc Gaudiot, “Creating Autonomous Vehicle Systems”, Morgan & Claypool Publishers, 1 st Edition, 2018										
2. Radovan Miucic, “Connected Vehicles: Intelligent Transportation Systems”, Springer, 2018										
Reference Books										
1. Domokos Esztergár-Kiss, Pierluigi Coppola, “Autonomous Vehicles and Future Mobility”, Elsevier, 2019.										
2. Mehrdad Ehsani, Yimin Gao, Ali Emadi, “Modern Electric, Hybrid Electric, and Fuel Cell Vehicles Fundamentals, Theory and Design”, CRC Press, 2 nd Edition, 2017.										

Web References

1. <https://www.ibm.com/blogs/digitale-perspektive/2023/06/the-software-defined-vehicle/>
2. <https://www.sciencedirect.com/science/article/pii/S2405896322014446>
3. <https://www.ais.gov.in/>
4. <https://www.opal-rt.com/automotive-overview/>

* TE – Theory Exam, LE – Lab Exam

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	3	3	3	2	3	-	-	-	-	-	-	2	3	3	3
2	3	3	3	2	3	-	-	-	-	-	-	2	3	3	3
3	3	3	3	2	3	-	-	-	-	-	-	2	3	3	3
4	3	3	3	2	3	-	-	-	-	-	-	2	3	3	3
5	3	3	3	2	3	-	-	-	-	-	-	2	3	3	3

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Evaluation Methods

	Continuous Assessment Marks (CAM)					End Semester Examination##	Total Marks (CAM+ESM)
	CAT 1	CAT 2	Model##	Assignment#	Attendance##		
Portion for Test	2 Units	2 Units	All 5 Units			All 5 Units	
Assessment Methodology	MCQ Test 50 Questions for Analytical Course 75 Questions for Theory Course	MCQ Test	Written Exam	Individual Task #		Written Exam	
Duration of the Test	1 hour 30 Minutes	1 hour 30 Minutes	3 hours			3 hours	
Test Marks	50	50	75	20	5	75	
Weightage for CAM	5	5	5	5	5		
CAM / ESE Marks	CAM Marks = 25					ESE Marks = 75	100

Open Book Analytical Exam/Analyse Real world problems and propose solutions/ Tool or Subject Proficiency Analysis – Test the Students skill by giving individual task/ Paper Presentation/Micro Project Presentation/Idea Presentation for the Societal Problem;(Questions standard shall be of level 3 or more in Blooms Taxonomy)

Distribution of Marks for Attendance, the Question Paper Pattern for Model and ESE are same as given in B. Tech. Regulations R2023 for Theory Courses.

Department	EEE	Programme: B.Tech Honours / Minor – Electric Vehicles						
Semester	VIII	Course Category: PC/ IC		End Semester Exam Type : LE*				
Course Code	U23VXW806	Periods/Week			Credit	Maximum Marks		
		L	T	P	C	CAM	ESE	TM
Course Name	Project Work	-	-	4	2	50	50	100

Common to All Branches

Prerequisite	-							
Course Outcomes	On completion of the course, the students will be able to							BT Mapping (Highest Level)
	CO1	Apply literature survey techniques to identify and define the problem statement for the project						K3
	CO2	Comprehend, plan, and implement a project related to electric mobility						K2
	CO3	Develop a real-time application utilizing electric vehicle components, processes, or systems						K3
	CO4	Interpret and apply knowledge of publication and copyright processes in research						K3
	CO5	Justify and present project findings through structured oral and written reports						K4

Course Description

Student must select a project topic either from published lists or propose a suitable topic in consultation with his/her supervisor. The objective of the project is to enhance understanding of fundamental principles by applying them to a new challenge, which may involve designing and manufacturing a device, conducting research, developing a computer or management project, or solving a design problem.

The project progress will be assessed through a minimum of two reviews. The project evaluation shall be carried out by a Project evaluation committee comprising the Head of the Department or his/her nominee (Chairperson), Project coordinator (Professor / Associate Professor) and the project supervisor(s). The End Semester Examination for the project work will include an evaluation of the final project report by an external examiner, followed by a viva-voce examination conducted by a panel comprising the external examiner and an internal examiner.

Lecture Periods: -	Tutorial Periods:-	Practical Periods: 60	Total Periods: 60
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* TE – Theory Exam, LE – Lab Exam

COs/POs/PSOs Mapping

COs	Program Outcomes (POs)												Program Specific Outcomes (PSOs)		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	3	3	3	2	3	-	-	-	3	3	-	2	3	3	3
2	3	3	3	2	3	2	2	2	3	3	2	2	3	3	3
3	3	3	3	2	3	2	-	-	3	3	2	2	3	3	3
4	3	3	3	2	3	-	2	-	3	3	-	2	3	3	3
5	3	3	3	2	3	-	2	2	3	3	-	2	3	3	3

Correlation Level: 1 - Low, 2 - Medium, 3 – High

Evaluation Methods

Sl. No	Description			Weightage
1	Continuous Assessment Marks			
a	Review 1	Review Committee	15	25
		Supervisor	10	
b	Review 2	Review Committee	15	25
		Supervisor	10	
	Total CAM			50
2	End Semester Marks			
a	Evaluation of project work report and Viva-voce	Report	15	50
		Presentation and Viva	20	
		Demonstration	15	
	Total ESM			50
	Total Marks			100



**SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE**

(APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO PONDICHERRY UNIVERSITY)
(ACCREDITED BY NBA, AICTE, NEW DELHI, ACCREDITED BY NAAC, WITH 'A' GRADE)
MADAGADIPET, PUDUCHERRY - 605 107



**Department of Electrical and Electronics Engineering
HONOURS DEGREE PROGRAMME TIME TABLE
EVEN SEMESTER / DECEMBER 2025 – APRIL 2026**

Year / Sem: III / VI

Batch: 2023 - 2027

Name of the Honours degree programme: Electric Vehicles

Offering department: Department of Electrical and Electronics Engineering

Name of the course handling faculty: Mr. K. Thangaraj, Assistant Professor / EEE

Course code / Course name: U23VHB603 / Electric Drives and Controls

Course Type: Theory cum Practical

No. of Credits: 4

Venue: EEE – 410

Sl. No.	Date	Day	Period
1.	18.12.2025	THURSDAY	3, 4
2.	19.12.2025	FRIDAY	3, 4
3.	26.12.2025	FRIDAY	3, 4
4.	27.12.2025	SATURDAY	2, 3, 7, 8
5.	02.01.2026	FRIDAY	3, 4
6.	08.01.2026	THURSDAY	3, 4
7.	09.01.2026	FRIDAY	3, 4
8.	10.01.2026	SATURDAY	2, 3, 7, 8
9.	22.01.2026	THURSDAY	3, 4
10.	23.01.2026	FRIDAY	3, 4
11.	24.01.2026	SATURDAY	2, 3, 7, 8
12.	29.01.2026	THURSDAY	3, 4
13.	30.01.2026	FRIDAY	3, 4
14.	31.01.2026	SATURDAY	CAT 1 (1 st & 2 nd hour)
15.	31.01.2026	SATURDAY	3, 7, 8
16.	19.02.2026	THURSDAY	3, 4
17.	20.02.2026	FRIDAY	3, 4
18.	26.02.2026	THURSDAY	3, 4
19.	27.02.2026	FRIDAY	3, 4
20.	28.02.2026	SATURDAY	2, 3, 7, 8
21.	05.03.2026	THURSDAY	3, 4
22.	06.03.2026	FRIDAY	3, 4
23.	12.03.2026	THURSDAY	3, 4
24.	13.03.2026	FRIDAY	3, 4
25.	14.03.2026	SATURDAY	2, 3, 7, 8
26.	16.03.2026	MONDAY	CAT 2 (1 st & 2 nd hour)
27.	19.03.2026	THURSDAY	3, 4
28.	26.03.2026	THURSDAY	3, 4
29.	06.04.2026	MONDAY	MODEL EXAM
Total No. of periods			63

HOD
(Dr. R. Anbumalar)

Dean Academics
(Dr. S. Anbumalar)

DIRECTOR cum PRINCIPAL
(Dr. V.S.K. Venkatachalapathy)





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MADAGADIPET, PUDUCHERRY - 605 107



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TIME TABLE – EVEN SEM / DECEMBER 2025 – APRIL 2026

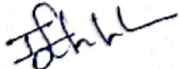
B.Tech Honours in Electric Vehicles

REGULATION	R-2023	BATCH	2023 - 2027	YEAR	III	SEMESTER	VI
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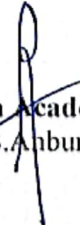
HALL NO	EEE – 410
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Hour	1	2	10.40 AM to 10.55 AM Break	3	4	12.35 PM to 01.15 PM Lunch Break	5	6	02.55 PM to 03.10 PM Break	7	8
Time / Day	9.00 AM to 9.50 AM	9.50 AM to 10.40 AM		10.55 AM to 11.45 AM	11.45 AM to 12.35 PM		01.15 PM to 02.05 PM	02.05 PM to 02.55 PM		03.10 PM to 04.00 PM	04.00 PM to 04.50 PM
Mon											
Tue											
Wed											
Thu				EDC							
Fri				EDC							
Sat		EDC		EDC						EDC	

S.No	Course Code	Course Title	Name of the faculty	Designation	Dept
1	U23VHB603	Electric Drives and Controls [EDC]	Mr. K.Thangaraj	Assistant Professor	EEE


Time Table Incharge
(Mr.I.Shivasankkar)


HOD,EEE
(Dr.P.Anuradha)


Dean Academics
(Dr.S.Anbumalar)


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





Department of Electrical and Electronics Engineering
HONOURS / MINOR DEGREE PROGRAMME SCHEDULE
EVEN SEMESTER / DECEMBER 2025 – APRIL 2026

Year / Sem: II / IV

Batch: 2024 - 2028

Name of the Honours degree programme: Electric Vehicles

Offering department: Department of Electrical and Electronics Engineering

Name of the course handling faculty: Mr. N. Prakash Kumar, Assistant Professor / Mechanical

Course code / Course name: U23VXT401* / Electrical Vehicles: Design, Dynamics and Testing

Course Type: Theory

No. of Credits: 3

Venue: EEE – 411

No. of Students: 29 (EEE – 2), ECE – 4, Mech – 2, Mctr – 2)

Sl. No.	Date	Day	Period
1.	30.01.2026	Friday	1, 2, 4
2.	31.01.2026	Saturday	3, 4, 7, 8
3.	05.02.2026	Thursday	7, 8
4.	06.02.2026	Friday	1, 2, 4
5.	12.02.2026	Thursday	7, 8
6.	13.02.2026	Friday	1, 2, 4
7.	14.02.2026	Saturday	3, 4, 7, 8
8.	16.02.2026	Monday	CAT 1 (1 st & 2 nd hour)
9.	19.02.2026	Thursday	7, 8
10.	20.02.2026	Friday	1, 2, 4
11.	26.02.2026	Thursday	7, 8
12.	05.03.2026	Thursday	7, 8
13.	06.03.2026	Friday	1, 2, 4
14.	12.03.2026	Thursday	7, 8
15.	13.03.2026	Friday	1, 2, 4
16.	14.03.2026	Saturday	3, 4, 7, 8
17.	16.03.2026	Monday	CAT 2 (1 st & 2 nd hour)
18.	19.03.2026	Thursday	7, 8
19.	26.03.2026	Thursday	7, 8
20.	06.04.2026	Monday	Model Examination
Total No. of periods			46

* U23VHT401 – Course code for Honours degree programme,
U23VMT401 – Course code for Minor degree programme

HOD
(Dr. P. Jambuna)

Dean Academics
(Dr. S. Anbumalar)

DIRECTOR cum PRINCIPAL
(Dr. V.S.K. Venkatachalapathy)



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MADAGADIPET, PUDUCHERRY - 605 107



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
TIME TABLE – EVEN SEM / DECEMBER 2025 – APRIL 2026

B.Tech Honours / Minor in Electric Vehicles

REGULATION	R-2023	BATCH	2024 - 2028	YEAR	II	SEMESTER	IV
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HALL NO	EEE – 411
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Hour	1	2	10.40 AM to 10.55 AM Break	3	4	12.35 PM to 01.15 PM Lunch Break	5	6	02.55 PM to 03.10 PM Break	7	8
Time / Day	9.00 AM to 9.50 AM	9.50 AM to 10.40 AM		10.55 AM to 11.45 AM	11.45 AM to 12.35 PM		01.15 PM to 02.05 PM	02.05 PM to 02.55 PM		03.10 PM to 04.00 PM	04.00 PM to 04.50 PM
Mon											
Tue											
Wed											
Thu											
Fri	EVDDT				EVDDT						EVDDT
Sat				EVDDT							EVDDT

S.No	Course Code	Course Title	Name of the faculty	Designation	Dept
1	U23VXT401*	Electrical Vehicles: Design, Dynamics and Testing [EVDDT]	Mr. N. Prakash Kumar	Assistant Professor	Mechanical

* U23VHT401 – Course code for Honours degree,
U23VMT401 – Course code for Minor degree

29-1-26
Time Table Incharge
(Mr.I.Shivasankkar)

HOD/EEE
(Dr. R. Sankar)

Dean Academics
(Dr.S.Anbumalar)

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



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**NAME LIST OF ENROLLED STUDENTS FOR HONOURS DEGREE
PROGRAMME**

Batch: 2023 - 2027

Year / Sem: III / VI

Sl. No.	Enroll No.	Register No.	Name of the Student	CGPA	Name of the Honours degree Programme and its Offering department	Name of the Course
1.	230197	23UEE005	ANANTHA SOUNDARYA E	8.37	Electric Vehicles, Department of Electrical and Electronics Engineering	Electric Drives and Controls (U23VHB603)
2.	231293	23UEE007	ANGALAN A	8.19		
3.	231470	23UEE015	AYISHU A	8.46		
4.	230938	23UEE026	DIVYA R	8.74		
5.	230920	23UEE027	DIVYADHARSHINI N	8.76		
6.	230104	23UEE029	FAHIM AHMAD F	8.31		
7.	231531	23UEE047	KANAKADURGA B	9.02		
8.	230183	23UEE052	LAVANYA K	8.67		
9.	230096	23UEE054	MADONNA E	8.49		
10.	230909	23UEE056	MALARAVAN M	9.60		
11.	230235	23UEE063	NANDHAKUMAR S	8.07		
12.	230233	23UEE067	OVIYA S	8.35		
13.	230255	23UEE084	SANDHIYA G	9.09		
14.	230467	23UEE085	SANTOSH B B	8.77		
15.	230940	23UEE102	THEJESHWAR RAJA S	8.35		
16.	231516	23UEE103	THIRUMURUGAN V	8.16		


HoD
(Dr. P. Jamuna)


Dean Academics
(Dr. S. Anbumalar)


DIRECTOR cum PRINCIPAL
(Dr. V.S.K. Venkatachalapathy)



DEPARTMENT OF MECHANICAL ENGINEERING

The Honours / Minor degree programme is introduced along with the major degree programme in B. Tech curriculum from the 2023-2027 batch onwards under R2023 B. Tech. Regulations. The course fee per course is Rs. 5000/- which has to be paid from 4th semester onwards till 8th semester. There is no course fee if a student selects the NPTEL course. The list of students who have enrolled for Honours / Minor degree programme and the fees to be paid for the current semester for the Honours / Minor degree programme is given below.

NAME LIST ENROED STUDENTS FOR THE HONOURS/MINOR DEGREE PROGRAMME

Name of the Honours degree Programme: Electric Vehicles

Offering Department : EEE

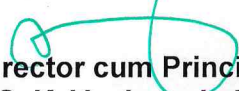
Year /Sem : III / VI

Batch : 2023- 2027

S.No	Register No.	Enroll No	Name of the Student	CGPA	Name of the Honours degree Programme
1	23MEL007	240013	SANJEEV PARTHI. V	8.87	Electric Vehicles
2	23UME041	230138	OLIERVERLK	9.13	Electric Vehicles
3	23UME043	231227	PRABAKARAN P	8.57	Electric Vehicles
4	23UME067	231101	SURYANARAYANAN. V	9.17	Electric Vehicles


HoD / Mech
(Dr. K. Hemalatha)


Dean Academics
(Dr. S. Anbumalar)


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



DEPARTMENT OF MECHATRONICS

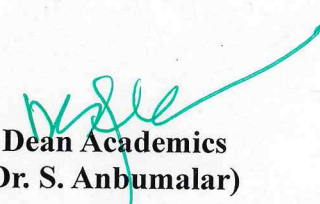
**NAME LIST OF ENROLLED STUDENTS FOR HONOURS DEGREE
PROGRAMME**

Batch:2023-2027

Year / Sem: III / VI

Sl. No.	Enroll No.	Register No.	Name of the Student	CGPA (5 th sem)	Name of the Honours degree Programme and its Offering department	Name of the Course
1	230943	23UMT017	LOKESHVAR K	8.14	Electric Vehicles EEE	Electric Drives and Controls
2	231316	23UMT034	SIVASAKTHI N	8.35	Electric Vehicles EEE	Electric Drives and Controls
3	230315	23UMT036	THAFFIN AHMED H	8.84	Electric Vehicles EEE	Electric Drives and Controls


HoD


**Dean Academics
(Dr. S. Anbumalar)**


**DIRECTOR cum PRINCIPAL
(Dr. V.S.K. Venkatachalapathy)**



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**NAME LIST OF ENROLLED STUDENTS FOR HONOURS DEGREE
PROGRAMME**

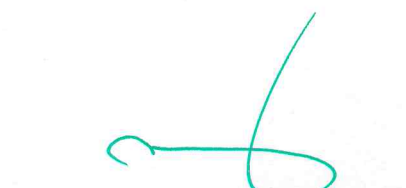
Batch: 2023 - 2027

Year / Sem: III / VI

Sl. No.	Enroll No.	Register No.	Name of the Student	CGPA	Name of the Honours degree Programme and its Offering department	Name of the Course
1.	230128	23UEE001	ABDUL SALEEM A	9.49	Artificial Intelligence and Machine Learning,	Reinforcement Learning (U23MHB602)
2.	231282	23UEE011	ASWIN DHAYAL S	8.84	Department of Artificial Intelligence &	
3.	231341	23UEE025	DHARANIKUMAR B	8.25	Data Science	


HoD
(Dr. P. Janyana)
27/11/23


Dean Academics
(Dr. S. Anbumalar)


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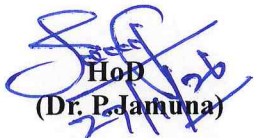
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

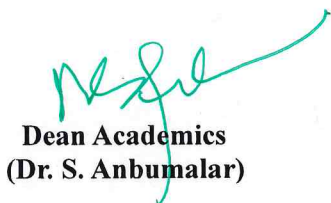
NAME LIST OF ENROLLED STUDENTS FOR HONOURS DEGREE PROGRAMME

Batch: 2023 - 2027

Year / Sem: III / VI

Sl. No.	Enroll No.	Register No.	Name of the Student	CGPA	Name of the Honours degree Programme and its Offering department	Name of the Course
1.	231274	23UEE013	ATCHAYAKUMAR S	8.81	Cyber Security, Department of Computer Science and Engineering	Ethical Hacking (U23KHT603)
2.	230381	23UEE023	DEVANADAN K	9.14		
3.	231577	23UEE038	GUNANIDHI R	8.86		
4.	230901	23UEE074	PUSHPARAJ V	8.13		
5.	231230	23UEE104	VAHEENDRANE R	8.64		
6.	231026	23UEE105	VASANTHAKUMAR S	7.97		


HOD
(Dr. P. Januina)


Dean Academics
(Dr. S. Anbumalar)


DIRECTOR cum PRINCIPAL
(Dr. V.S.K. Venkatachalapathy)



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NAME LIST OF ENROLLED STUDENTS FOR THE HONOURS / MINOR DEGREE PROGRAMME

Batch: 2024 - 2028

Year / Sem: II / IV

Name of the Honours degree programme: Electric Vehicles

Offering department: Department of Electrical and Electronics Engineering

Sl. No.	Enroll No.	Register No.	Name of the Student	CGP A Till 3 rd sem	Name of the Honours degree Programme	Name of the Course
1.	240596	24UEE006	ANBUMANI K	8.17	Electric Vehicles	Electrical Vehicles: Design, Dynamics and Testing (U23VHT401)
2.	240573	24UEE007	ARAVIND V	8.88		
3.	240984	24UEE010	ASHOK R	8.65		
4.	240111	24UEE013	BARATH DHARSHAN B	8.39		
5.	240271	24UEE019	DEEPIKA C	8.03		
6.	240622	24UEE021	DHANALAHSHMI S	8.20		
7.	241619	24UEE029	GOKULADHARSHINI Z	8.35		
8.	240362	24UEE034	JEENA R	8.41		
9.	240580	24UEE036	KAPPIASELVAN	8.50		
10.	240039	24UEE040	KAUSIK PRABANJAN V	8.24		
11.	240283	24UEE050	MANJU E	8.23		
12.	240250	24UEE059	NIKHITHA S	8.45		
13.	240085	24UEE068	PREM KUMAR M	8.62		
14.	241941	24UEE070	PUSHPALATHA V	8.48		
15.	240035	24UEE074	RANGASAMY D	8.59		
16.	240528	24UEE076	SADHANA G	8.14		
17.	241148	24UEE080	SANTHI V	8.33		
18.	240145	24UEE082	SATHYA NARAYANAN V	8.14		
19.	240477	24UEE094	SRISHANTH J. S	8.00		
20.	241930	24UEE098	SUDARVIZHI B	8.92		
21.	241931	24UEE108	VISHWA B	8.00		


HOD/EEE
(Dr. P. Jamuna)


Dean Academics
(Dr. S. Anbumalar)


DIRECTOR cum PRINCIPAL
(Dr. V.S.K. Venkatachalapathy)



Department of Mechanical Engineering

The Honours / Minor degree programme is introduced along with the major degree programme in B. Tech curriculum from the 2024-2028 batch onwards under R2023 B. Tech. Regulations. The Registration fee for the programme is Rs. 2500/- (one time only) and the course fee per course is Rs. 5000/- which has to be paid from 4th semester onwards till 8th semester. There is no course fee if a student selects the NPTEL course. The list of students who have enrolled for Honours / Minor degree programme and the fees to be paid for the current semester for the Honours / Minor degree programme is given below.

NAME LIST OF ENROLLED STUDENTS FOR HONOURS DEGREE PROGRAMME

Batch: 2024-2028

Year / Sem: II / IV

Sl. No.	Enroll No.	Register No.	Name of the Student	CGPA	Name of the Honours degree Programme and its Offering department	Name of the Course
1	240071	24UME002	Adhithan. R	8.61	Electric Vehicles / EEE	Electrical Vehicles: Design, Dynamics and Testing
2	2510813	24MEL007	Logasivarathinam. M	8.63	Electric Vehicles / EEE	Electrical Vehicles: Design, Dynamics and Testing

NAME LIST OF ENROLLED STUDENTS FOR MINOR DEGREE PROGRAMME

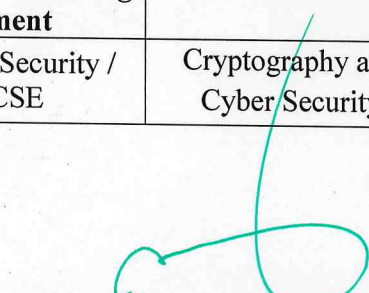
Batch: 2024-2028

Year / Sem: II / IV

Sl. No.	Enroll No.	Register No.	Name of the Student	CGPA	Name of the Minor degree Programme and its Offering department	Name of the Course
1	241560	24UME053	Prasanna. N	8.85	Cyber Security / CSE	Cryptography and Cyber Security


HoD/Mech
(Dr.K.Hemalatha)


Dean Academics
(Dr. S. Anbumalar)


DIRECTOR cum PRINCIPAL
(Dr. V.S.K. Venkatachalapathy)



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DEPARTMENT OF MECHATRONICS

**NAME LIST OF ENROLLED STUDENTS FOR THE HONOURS DEGREE
PROGRAMME**

Name of the Honours degree programme: Electric Vehicles

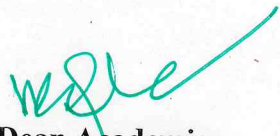
Offering department: ELECTRICAL

Year / Sem: II / IV

Batch: 2024-2028

Sl. No.	Enroll No.	Register No.	Name of the Student	CGPA	Name of the Honours degree Programme	Name of the course
1	241480	24UMT009	Arulganesh S	8.59	Electric Vehicles	Electrical Vehicles design dynamics and Testing
2	240069	24UMT040	Yeshwant N	8.14	Electric Vehicles	Electrical Vehicles design dynamics and Testing


HoD


Dean Academics
(Dr. S. Anbumalar)


DIRECTOR cum PRINCIPAL
(Dr. V.S.K. Venkatachalapathy)



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PUDUCHERRY

Department of Electronics and Communication Engineering

Name of the Minor degree programme: Electric Vehicles

Offering department: Electrical and Electronics Engineering

Year / Sem: II / IV

Batch: 2024 – 2028

Sl. No.	Enroll No.	Register No.	Name of the Student	CGPA (GPA for Lateral Entry)	Name of the Minor degree Programme	Name of the course
1	241711	24UEC006	ABHISHEK.V	8.68	Electric Vehicles	Electrical Vehicles: Design, Dynamics and Testing
2	241130	24UEC048	GANDHIRAJA.M	8.22	Electric Vehicles	Electrical Vehicles: Design, Dynamics and Testing
3	241302	24UEC092	KISHORE.B	8.51	Electric Vehicles	Electrical Vehicles: Design, Dynamics and Testing
4	241963	24UEC156	RUTHRESHWAR M	8.06	Electric Vehicles	Electrical Vehicles: Design, Dynamics and Testing


HoD
Dr.P.Raja


Dean Academics
Dr. S. Anbumalar


DIRECTOR cum PRINCIPAL
Dr. V.S.K. Venkatachalapathy



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MADAGADIPET, PUDUCHERRY - 605 107



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**NAME LIST OF ENROLLED STUDENTS FOR THE HONOURS / MINOR DEGREE
PROGRAMME**

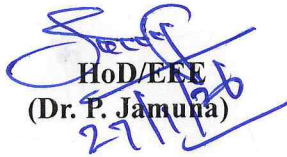
Batch: 2024 - 2028

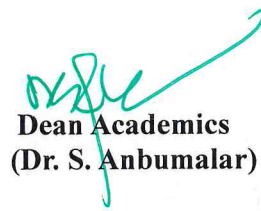
Year / Sem: II / IV

Name of the Honours degree programme: Cyber Security

Offering department: Department of Computer Science and Engineering

S.No	Enroll No.	Register No.	Name of the Student	CGPA Till 3 rd sem	Name of the Honours degree Programme	Name of the Course
1.	240750	24UEE047	LEENA SHREE T	8.50	Cyber Security	Cryptography and Cyber Security (U23KHB401)
2.	240110	24UEE090	SIVA PRIYA S	8.35		


HoD/EEE
(Dr. P. Jamuna)


Dean Academics
(Dr. S. Anbumalar)


DIRECTOR cum PRINCIPAL
(Dr. V.S.K. Venkatachalapathy)

Annexure – V
Details of SWAYAM/ MOOC Courses



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE

26

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

NPTEL / MOOC COURSES DETAILS



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE

26th

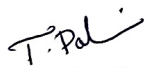
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

DETAILS OF FACULTY ON SUCCESSFUL COMPLETION OF NPTEL COURSES

(ODD SEMESTER 2025-2026)



S.No	Name	Designation	Name of the course completed	No of Courses completed
1.	Dr. D.Raja	Professor	Electronic Modules for Industrial Applications using OPAMPs	1
2.	Dr.P.Meganathan	Associate Professor	Introduction to Machine Learning	3
			Python for Data Science	
			Introduction to Internet of Things	
3.	Mr. S. John Powl	Assistant Professor	Introduction to Industry 4.0 and industrial internet of things	1
4.	Mr. B. Parthiban	Assistant Professor	Research methodology and statistical analysis	1
5.	Mr. K. Thangaraj	Assistant Professor	Introduction to Industry 4.0 and industrial internet of things	1
6.	Mr. S. Elanthamizh	Assistant Professor	Intellectual property and management	1
Total no of courses successfully completed:				8


NPTEL Coordinator


HOD / EEE



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

*List of students successfully completed NPTEL exam for academic year
ODD SEMESTER (2025-2026)*

12 weeks	8 weeks	4 weeks
120	01	-

Final year	Third year	Second year
33	70	18

S.No	Name of the Student	Year/Sec	Name of the course completed	Duration of the Course
1.	AFRENA A	IV Year A Sec	Introduction to IOT	12 Weeks
2.	HARINEE P	IV Year A Sec	Introduction to IOT	12 Weeks
3.	ASHWIN KUMAR S	IV Year A Sec	Introduction to IOT	12 Weeks
4.	CALLIS JOSEPH E	IV Year A Sec	Introduction to IOT	12 Weeks
5.	JENI K	IV Year A Sec	Introduction to IOT	12 Weeks
6.	THIRISHA N	IV Year A Sec	Introduction to IOT	12 Weeks
7.	VIDHYADHARSHINI S	IV Year A Sec	Introduction to IOT	12 Weeks
8.	POOJITHA A	IV Year A Sec	Introduction to IOT	12 Weeks
9.	RAJESH M	IV Year A Sec	Programming in JAVA	12 Weeks
10.	PARAMESH S	IV Year A Sec	Introduction to IOT	12 Weeks
11.	ASWIN KUMAR A	IV Year A Sec	Introduction to IOT	12 Weeks
12.	BALAJI.L	IV Year A sec	5G wireless Design	12 Weeks
13.	VISHVA P	IV Year A Sec	Introduction to IOT	12 Weeks

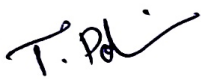
14.	ARUNPRADAAP S	IV Year A sec	Embedded System Design with ARM	12 Weeks
15.	GOKULARAMANANE S	IV Year A Sec	Introduction to IOT	12 Weeks
16.	JAYALAKSHMI L	IV Year B Sec	Cloud Computing	12 Weeks
17.	DHIVIYA S	IV Year B Sec	Introduction to IOT	12 Weeks
18.	RANDHIGA L	IV Year B Sec	Industrial Safety Engineering	12 Weeks
19.	MADHAN.A	IV Year B Sec	Introduction to IOT	12 Weeks
20.	SURYAPRAKASH	IV Year B Sec	Electronic System Design: Hand's on circuits and PCB design with CAD software	12 Weeks
21.	THARANITHARAN M	IV Year B Sec	Cyber Security and Privacy	12 Weeks
22.	GOPINATH B	IV Year B Sec	Introduction to IOT	12 Weeks
23.	THOGESH M	IV Year B Sec	Electronic System Design: Hand's on circuits and PCB design with CAD software	12 Weeks
24.	PADMASEELAN	IV Year B Sec	Electronic System Design: Hand's on circuits and PCB design with CAD software	12 Weeks
25.	MOHAMAD KASEEM M	IV Year B Sec	Industrial Safety Engineering	12 Weeks
26.	MADHAV V	IV Year B Sec	Introduction to IOT	12 Weeks
27.	KARTHIRAJA S	IV Year B Sec	Cyber Security and Privacy	12 Weeks
28.	KARMUKILAN A	IV Year B Sec	Cyber Security and Privacy	12 Weeks
29.	RAMPRASATH	IV Year B Sec	Industrial Safety Engineering	12 Weeks
30.	SAILESHWAR T	IV Year B Sec	Industrial Safety Engineering	12 Weeks
31.	S SELVAM	IV Year B Sec	Industrial Safety Engineering	12 Weeks
32.	NATHESH N B	IV Year B Sec	Industrial Safety Engineering	12 Weeks
33.	S MADHAN	IV Year B Sec	Industrial Safety Engineering	12 Weeks
34.	AHARIHARAN V	III Year A Sec	Introduction to IOT	12 Weeks

35.	RAHUL P	III Year A Sec	Introduction to IOT	12 Weeks
36.	SHYLENDHER T	III Year A Sec	Introduction to IOT	12 Weeks
37.	ABINAYA V	III Year A Sec	Introduction to IOT	12 Weeks
38.	AJAIY R	III Year A Sec	Sustainable Energy Technology	12 Weeks
39.	AKASH V	III Year A Sec	Introduction to IOT	12 Weeks
40.	ASHOKKUMAR G	III Year A Sec	Introduction to IOT	12 Weeks
41.	ATCHAYAKUMAR S	III Year A Sec	AI: Basics Concepts and technique	12 Weeks
42.	AYISHU A	III Year A Sec	Introduction to IOT	12 Weeks
43.	BARANIDHARAN K	III Year A Sec	Cloud Computing	12 Weeks
44.	DEVANADAN K	III Year A Sec	Cloud Computing	12 Weeks
45.	GUNANIDHI R	III Year A Sec	Python for Data Science	12 Weeks
46.	JAIADITHYAN V	III Year A Sec	Introduction to IOT	12 Weeks
47.	KIRUTHIK RAJ D	III Year A Sec	Sustainable Energy Technology	12 Weeks
48.	MAHALAXSHMI M	III Year A Sec	1.Internet of Things 2.Public Speaking	12 Weeks
49.	MALARAVAN M	III Year A Sec	Cloud Computing	12 Weeks
50.	MANIMURUGAN A	III Year A Sec	Introduction to IOT	12 Weeks
51.	MATHIYARASAN T	III Year A Sec	Introduction to IOT	12 Weeks
52.	MINU S	III Year A Sec	Introduction to IOT	12 Weeks
53.	NEERAJA J L	III Year A Sec	Introduction to IOT	12 Weeks
54.	NIRANJAL VEERAN K	III Year A Sec	Introduction to IOT	12 Weeks
55.	PADMASRI G	III Year A Sec	1. Introduction to Internet of Things 2. Cloud Computing	12 Weeks
56.	POOJA A	III Year A Sec	Introduction to IOT	12 Weeks
57.	PRIYADHARSHINI I	III Year A Sec	Introduction to IOT	12 Weeks

58.	PUGAZHENDIRAN N	III Year A Sec	Introduction to IOT	12 Weeks
59.	PUSHPARAJ V	III Year A Sec	Cloud Computing	12 Weeks
60.	RAJA SABARI V	III Year A Sec	1. Introduction to Internet of Things 2. Cloud Computing	12 Weeks
61.	RANJITH D	III Year A Sec	Introduction to IOT	12 Weeks
62.	RANZEEITH R	III Year A Sec	Sustainable Energy Technology	12 Weeks
63.	ROUBAN A	III Year A Sec	Introduction to IOT	12 Weeks
64.	RUTHIRA V	III Year A Sec	1.Sustainable Energy Technology 2.Public Speaking	12 Weeks
65.	SANDHIYA G	III Year A Sec	1. Introduction to Internet of Things 2. Cloud Computing	12 Weeks
66.	SANTOSH B B	III Year A Sec	1.Basics course on Electric + Magnetic circuits 2.Introduction to IOT 3.Cloud Computing	12 Weeks
67.	SELVA RAHUL S	III Year A Sec	Cloud Computing	12 Weeks
68.	SHREE KANTH T	III Year A Sec	Introduction to IOT	12 Weeks
69.	SOWMYA M	III Year A Sec	Introduction to IOT	12 Weeks
70.	SUBHASRI P	III Year A Sec	Introduction to IOT	12 Weeks
71.	SUGHI R	III Year A Sec	Introduction to IOT	12 Weeks
72.	VAHEENDRANE R	III Year A Sec	Cloud Computing	12 Weeks
73.	VASANTHAKUMAR S	III Year A Sec	Cloud Computing	12 Weeks
74.	YAMUNA E	III Year A Sec	Introduction to IOT	12 Weeks
75.	ANANTHA SOUNDARYA E	III Year B Sec	Public Speaking	12 Weeks
76.	ANGALAN A	III Year B Sec	Public Speaking	12 Weeks
77.	ASWIN DHAYAL S	III Year B Sec	Introduction to Large Language Models (LLMs)	12 Weeks
78.	BARATH S	III Year B Sec	Public Speaking	12 Weeks
79.	CHATHENYA S	III Year B Sec	Introduction to IOT	12 Weeks

80.	DHANUJA S	III Year B Sec	Introduction to IOT	12 Weeks
81.	DIVYADHARSHINI N	III Year B Sec	Introduction to IOT	12 Weeks
82.	FAHIM AHMAD F	III Year B Sec	Introduction to IOT	12 Weeks
83.	GOKELA S	III Year B Sec	Introduction to IOT	12 Weeks
84.	HARIHARAAN S	III Year B Sec	Programming in JAVA	12 Weeks
85.	HITESH S	III Year B Sec	Introduction to IOT	12 Weeks
86.	KANAKADURGA B	III Year B Sec	Introduction to IOT	12 Weeks
87.	KARTHIK I	III Year B Sec	Public Speaking	12 Weeks
88.	KAVYAA K	III Year B Sec	Introduction to IOT	12 Weeks
89.	MADONNA E	III Year B Sec	Public Speaking	12 Weeks
90.	OVIYA S	III Year B Sec	Introduction to IOT	12 Weeks
91.	PRIYANKA J	III Year B Sec	1.Introduction to IOT 2.Industrial Safety Engineering	12 Weeks
92.	SWETHA P	III Year B Sec	Introduction to IOT	12 Weeks
93.	THAMIZHARASU E	III Year B Sec	Public Speaking	12 Weeks
94.	THEJESHWAR RAJA S	III Year B Sec	Analog Circuits and System	8 Weeks
95.	VINAYAGAMOORTHY A	III Year B Sec	Introduction to IOT	12 Weeks
96.	ABARANA G	II Year A Sec	Introduction to IOT	12 Weeks
97.	ANBUMANI K	II Year A Sec	Introduction to IOT	12 Weeks
98.	DHANALAKSHMI S	II Year A Sec	Introduction to IOT	12 Weeks
99.	KAPPIASELVAN I	II Year A Sec	Introduction to IOT	12 Weeks
100.	MONIKA SREE A	II Year A Sec	Introduction to IOT	12 Weeks
101.	MUGESH U	II Year A Sec	Problem solving through programming in C	12 Weeks
102.	MONIKA SREE A	II Year A Sec	Introduction to IOT	12 Weeks

103.	ASHOK R	II Year B Sec	AI Concepts and technique	12 Weeks
104.	BHARANIDHARAN G	II Year B Sec	AI Concepts and technique	12 Weeks
105.	JAYAA VARSHINY S	II Year B Sec	Cloud Computing	12 Weeks
106.	JEENA R	II Year B Sec	AI Concepts and technique	12 Weeks
107.	KIRUPA S	II Year B Sec	AI Concepts and technique	12 Weeks
108.	LEENA SHREE T	II Year B Sec	Cloud Computing	12 Weeks
109.	MIDHUN L	II Year B Sec	Cyber Security and privacy	12 Weeks
110.	PRAVIN D	II Year B Sec	Internet of Things	12 Weeks
111.	SANOFAR H	II Year B Sec	Cyber Security and privacy	12 Weeks
112.	TANISHKA V	II Year B Sec	Digital Circuits	12 Weeks
113.	TARUNIKAA M	II Year B Sec	Introduction to Psychology	12 Weeks


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HOD/EEE

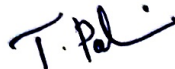


DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
LIST OF FACULTY ENROLLED FOR NPTEL EXAM FOR ACADEMIC YEAR
2025-2026 EVEN SEMESTER

12 weeks	8 Weeks	Total
25	01	26

S.No	Name	Designation	Name of the course enrolled	Duration of the Course
1.	Dr. P.Jamuna	Professor	Problem Solving Through Programming in C	12 Weeks
2.	Dr. D.Raja	Professor	Robotics and Control : Theory and Practice	12 Weeks
3.	Dr. S. Ganesh Kumaran	Associate Professor	Problem Solving Through Programming in C Introduction to Machine Learning	12 Weeks
4.	Dr. D. Sivaraj	Associate Professor	Problem Solving Through Programming in C	12 Weeks
5.	Dr. P. Meganathan	Associate Professor	Problem Solving Through Programming in C	12 Weeks
6.	Dr. B. Pushpa	Associate Professor	Introduction to Machine Learning Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems.	12 Weeks
7.	Mr. S. John Powl	Assistant Professor	Introduction to Machine Learning	12 Weeks
8.	Mr. B. Parthiban	Assistant Professor	Design of Power Electronics Converter	8 Weeks
9.	Mr. K. Thangaraj	Assistant Professor	Sensors and Actuators	12 Weeks
10.	Mr. J. Muruganandham	Assistant Professor	Problem Solving Through Programming in C	12 Weeks
11.	Mr. I. Shivasankkar	Assistant Professor	Sensors and Actuators Basic Overview of Semiconductor Device Processing and IC Fabrication	12 Weeks
12.	Mr. G. Rajavel	Assistant Professor	Introduction to Machine Learning	12 Weeks
13.	Mr. R. Vignesh	Assistant Professor	Introduction to IOT Sensors and Actuators	12 Weeks

14.	Ms. T. Abinayasaraswathy	Assistant Professor	Educational Technology and ICT	12 Weeks
15.	Mr. S. Elanthamizh	Assistant Professor	Introduction to Electrical Engineering	12 Weeks
			Emotional Intelligence	
16.	Mr. B. Raghunath	Assistant Professor	Introduction to IOT	12 Weeks
17.	Mr. S. Mugunthan	Assistant Professor	Business Ethics	12 Weeks
18.	Mrs. T. Porselvi	Assistant Professor	Introduction to IOT	12 Weeks
			Sensors and Actuators	
19.	Mrs. R. Vinothini	Assistant Professor	Introduction to Machine Learning	12 Weeks


NPTEL Coordinator


HOD/EEE
(Dr. P. J. Tamura)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

*List of students enrolled for NPTEL exam for academic year
EVEN SEMESTER (2025-2026)*

12 weeks	8 weeks	4 weeks
80	01	-

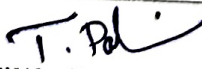
Final year	Third year	Second year
02	23	56

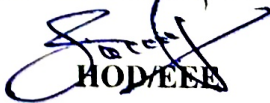
S.No	Name of the Student	Year/Sec	Name of the course enrolled	Duration of the Course
1.	MATHAN M	IV Year A Sec	Introduction to IOT	12 Weeks
2.	AKASH N	IV Year B Sec	Economic growth and development	8 Weeks
3.	MAHALAXSHMI M	III Year A Sec	Cloud Computing	12 Weeks
4.	MANIMURUGAN A	III Year A Sec	Cloud Computing	12 Weeks
5.	MINU S	III Year A Sec	Cloud Computing	12 Weeks
			Sensors and Actuator	
6.	NITHISH	III Year A Sec	Programming in JAVA	12 Weeks
7.	PADMASRI G	III Year A Sec	Sensors and Actuator	12 Weeks
8.	POOJA A	III Year A Sec	Cloud Computing	12 Weeks
9.	PRIYADHARSHINI I	III Year A Sec	Sensors and Actuator	12 Weeks
10	RUTHIRA V	III Year A Sec	Cloud Computing	12 Weeks
11	ANANTHA SOUNDARYA E	III Year B Sec	Introduction to IOT	12 Weeks
12	ANGALAN A	III Year B Sec	Introduction to IOT	12 Weeks
13	BARATH S	III Year B Sec	Introduction to IOT	12 Weeks

14	DHANUJA S	III Year B Sec	Cloud Computing	12 Weeks
15	DIVYADHARSHINI N	III Year B Sec	Cloud Computing	12 Weeks
16	FAHIM AHMAD F	III Year B Sec	Cloud Computing	12 Weeks
17	FAYAS FAZIL A	III Year B Sec	Introduction to IOT	12 Weeks
18	GOKELA S	III Year B Sec	Cloud Computing	12 Weeks
19	HARIHARAAN S	III Year B Sec	Getting Started with Competitive Programming	12 Weeks
20	HITESH S	III Year B Sec	Getting Started with Competitive Programming	12 Weeks
21	KARTHIK I	III Year B Sec	Introduction to IOT	12 Weeks
22	THAMIZHARASU E	III Year B Sec	Introduction to IOT	12 Weeks
23	THEJESHWAR RAJA S	III Year B Sec	Cloud Computing	12 Weeks
24	VINAYAGAMOORTHY A	III Year B Sec	Cloud Computing	12 Weeks
25	AISHWARYA K	II Year A Sec	Introduction to IOT	12 Weeks
26	ARYA R	II Year A Sec	Problem Solving through Programming in C	12 Weeks
27	ATCHAYA S	II Year A Sec	Problem Solving through Programming in C	12 Weeks
28	AYISHA SIDDIKA I	II Year A Sec	Introduction to IOT	12 Weeks
29	BUVANESHWARAN V	II Year A Sec	Problem Solving through Programming in C	12 Weeks
30	DEEPIKA C	II Year A Sec	Introduction to IOT	12 Weeks
31	DIVAKAR S	II Year A Sec	Introduction to IOT	12 Weeks
32	DURGA J	II Year A Sec	Introduction to IOT	12 Weeks
33	ILAMSURUTHI V	II Year A Sec	Introduction to IOT	12 Weeks
34	JAYAVARSHINI J	II Year A Sec	Problem Solving through Programming in C	12 Weeks
35	KARTHIKA S	II Year A Sec	Introduction to IOT	12 Weeks
36	KARTHIKEYAN S	II Year A Sec	Introduction to IOT	12 Weeks

37	KISHORE V	II Year A Sec	Introduction to IOT	12 Weeks
38	LOGESHWAR S	II Year A Sec	Introduction to IOT	12 Weeks
39	NAVEEN PRASATH B L	II Year A Sec	Introduction to IOT	12 Weeks
40	NITHISH S	II Year A Sec	Introduction to IOT	12 Weeks
41	NOOR MOHAMAD S	II Year A Sec	Problem Solving through Programming in C	12 Weeks
42	PAVITHRA V	II Year A Sec	Introduction to IOT	12 Weeks
43	POORNAPRAKASHI K	II Year A Sec	Introduction to IOT	12 Weeks
44	PREM KUMAR M	II Year A Sec	Python Introduction	4 Weeks
45	PRIYADHARSHINI R	II Year A Sec	Introduction to IOT	12 Weeks
46	PUSHPALATHA V	II Year A Sec	Introduction to IOT	12 Weeks
47	RANGASAMY D	II Year A Sec	Introduction to IOT	12 Weeks
48	SANJAY R	II Year A Sec	Introduction to IOT	12 Weeks
49	SANTHI V	II Year A Sec	Problem Solving through Programming in C	12 Weeks
50	SATHIYA R	II Year A Sec	Problem Solving through Programming in C	12 Weeks
51	SEENU K	II Year A Sec	Introduction to IOT	12 Weeks
52	SRISHANTH J S	II Year A Sec	Introduction to IOT	12 Weeks
53	SUDARVIZHI B	II Year A Sec	Introduction to IOT	12 Weeks
54	SULTHAN BASHA B	II Year A Sec	Introduction to IOT	12 Weeks
55	SUSHMITHA P	II Year A Sec	Introduction to IOT	12 Weeks
56	VISHVA M	II Year A Sec	Introduction to IOT	12 Weeks
57	MANODEEPAN G	II Year A Sec	Introduction to IOT	12 Weeks
58	MOHAMED SAMIR HASAN S	II Year A Sec	Introduction to IOT	12 Weeks
59	ASHOK R	II Year B Sec	Problem Solving through Programming in C	12 Weeks

60	BHADRINATH B	II Year B Sec	Problem Solving through Programming in C	12 Weeks
61	BHARANIDHARAN G	II Year B Sec	Problem Solving through Programming in C	12 Weeks
62	KIRUPA S	II Year B Sec	Problem Solving through Programming in C	12 Weeks
63	KISHORE KV	II Year B Sec	Problem Solving through Programming in C	12 Weeks
64	KOVARTHANAN E	II Year B Sec	Problem Solving through Programming in C	12 Weeks
65	MIDHUN L	II Year B Sec	Problem Solving through Programming in C	12 Weeks
66	NIKHITHA S	II Year B Sec	Problem Solving through Programming in C	12 Weeks
67	JEENA R	II Year B Sec	Problem Solving through Programming in C	12 Weeks
68	RAVIVARMA A	II Year B Sec	Problem Solving through Programming in C	12 Weeks
69	SANJAY R	II Year B Sec	Problem Solving through Programming in C	12 Weeks
70	VIJAYAN K	II Year B Sec	Problem Solving through Programming in C	12 Weeks
71	GOKULADHARSHINI Z	II Year B Sec	Problem Solving through Programming in C	12 Weeks
72	SHIVANIPRIYAL M	II Year B Sec	Problem Solving through Programming in C	12 Weeks
73	MANJU E	II Year B Sec	Problem Solving through Programming in C	12 Weeks
74	NANDHINISHA T	II Year B Sec	Problem Solving through Programming in C	12 Weeks
75	PERATHIPA G	II Year B Sec	Problem Solving through Programming in C	12 Weeks
76	SIVANE K	II Year B Sec	C Programming	12 Weeks
77	TANISHKA V	II Year B Sec	Problem Solving through Programming in C	12 Weeks
78	TARUNIKAA M	II Year B Sec	Problem Solving through Programming in C	12 Weeks
79	VINODHA SRI M	II Year B Sec	Problem Solving through Programming in C	12 Weeks
80	PRAVIN D	II Year B Sec	Data Structure	12 Weeks


NPTEL Coordinator


HOD/EEE

Annexure – VI
End Semester Examinations Result Analysis of
Odd Semester for the academic year
2025 – 2026.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

12.01.2026

End Semester Examination Result Analysis – June/Nov 2025

BATCH: 2022 – 2026

Department	Electrical and Electronics Engineering		
Year/ Semester/ Section	IV	VII	A

Sl. No	Course Code	Course Name	Staff Handled	No. of students appeared	No. of students cleared	No. of students Failed	No. of students absent	Percentage of result
1	U20EE1120	Industrial Automation and Control	Mr. G.Rajavel	54	53	01	0	98.14
2	U20EE1102	Electric Vehicle Technology	Mr.B.Parthiban	54	51	03	0	94.44
3	U20HSP703	Business Basics for Entrepreneur	Mrs.B.Geetha	54	54	0	0	100
4	U20EEP715	Industrial Automation and Control Lab	Mr.G.Rajavel	54	54	0	0	100
5	U20EEP716	Electric and Hybrid Vehicle Lab	Mr.B.Parthiban	54	54	0	0	100
6	U20EEP717	Electrical Software Simulation Lab	Mr.S.Mugundhan	54	53	01	0	100
7	U20EEW701	Project Phase - I	Dr.D.Raja	54	54	0	0	100

Total no. of students in the class	54
No. of students passed in all the courses in VII semester	49
Pass percentage in VII semester	(49/54)=90.74%
Total no. of students in the class	54
No. of students passed in all the courses upto VII semester	46
Overall Pass percentage upto VII semester	46/54=85.18

No. of Arrears	1	2	3	4	5	6	7	14
No. of Students	2	3	-	1	1	2	-	1



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

12.01.2026

End Semester Examination Result Analysis – June/Nov 2025

BATCH: 2022 – 2026

Department	Electrical and Electronics Engineering		
Year/ Semester/ Section	IV	VII	B

Sl. No	Course Code	Course Name	Staff Handled	No. of students appeared	No. of students cleared	No. of students Failed	No. of students absent	Percentage of result
1	U20EET720	Industrial Automation and Control	Dr.S.Ganesh Kumaran	52	46	6	0	88.46
2	U20EECM02	Electric Vehicle Technology	Dr.D.Sivaraj	52	46	6	0	88.46
3	U20HSP703	Business Basics for Entrepreneur	Mrs.R.Keerthana	52	52	0	0	100
4	U20EEP715	Industrial Automation and Control Lab	Dr.S.Ganesh Kumaran	52	52	0	0	100
5	U20EEP716	Electric and Hybrid Vehicle Lab	Dr.D.Sivaraj	52	52	0	0	100
6	U20EEP717	Electrical Software Simulation Lab	Mrs.Porselvi	52	51	1	0	98.08
7	U20EEW701	Project Phase - I	Dr.P.Jamuna	50	50	0	0	100

Total no. of students in the class	52
No. of students passed in all the courses in VII semester	41
Pass percentage in VII semester	(41/52)=78.8%
Total no. of students in the class	52
No. of students passed in all the courses upto VII semester	39
Overall Pass percentage upto VII semester	39/52=75%

No. of Arrears	1	2	3	4	5	6	7	5	14
No. of Students	4	0	3	1	1	1	1	1	1



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

12.01.2026

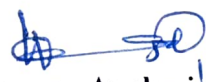
End Semester Examination Result Analysis – June/Nov 2025

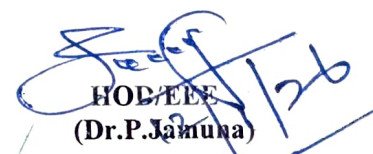
BATCH: 2022 – 2026

Department	Electrical and Electronics Engineering		
Year/ Semester/ Section	IV	VII	A,B

Sl. No	Course Code	Course Name	Staff Handled	No. of students appeared	No. of students cleared	No. of students Failed	No. of students absent	Percentage of result
1	U20ECCM04	Internet of Things	Mr.J.Muruganandham	51	49	02	0	96
2	U20ADO706	Artificial Intelligence Applications	Dr.P.Jamuna	55	55	0	0	100
3	U20EEE720	Special Electrical Machines	Dr.D.Raja	54	47	7	0	87
4	U20ICCM01	Fuzzy Logic and Neural Networks	Dr.P.Jamuna	52	50	2	0	96.1


Class Advisors
(Mr.G.Rajavel)
(Dr.D.Sivaraj)


Programme Academic Coordinator
(Dr.D.Raja)


HOD/EEE
(Dr.P.Jamuna)


Dean Academics
(Dr.S.Anbumalar)


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



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO PONDICHERRY UNIVERSITY)
(ACCREDITED BY NBA-AICTE, NEW DELHI, ACCREDITED BY NAAC WITH 'A' GRADE)
MADAGADIPET, PUDUCHERRY - 605 107

25
YEARS

Department of Electrical and Electronics Engineering

12.01.2026

END SEMESTER EXAMINATION RESULT ANALYSIS - NOVEMBER 2025 BATCH: 2023 – 2027

Department	Electrical and Electronics Engineering		
Year/ Semester/ Section	III	V	A

Sl. No	Course Code	Course Name	Staff Handled	No. of students appeared	No. of students cleared	No. of students Failed	No. of students absent	With held	Percentage of result
1	U23HSTC02	Research Methodology	Dr. D. SIVARAJ	56	56	0	0	0	100.0
2	U23ITC02	Programming in Java	Mr. J. MURUGANANDHAM	56	51	05	0	0	91.07
3	U23EET509	Electrical Measurements and Instrumentation	Mr. S. ELANTHAMIZH	56	49	07	0	0	87.50
4	U23EET510	Microprocessor and Microcontroller	Mr. S. JOHN POWL	56	53	03	0	0	94.64
5	U23ITPC02	Programming in Java Laboratory	Mr. J. MURUGANANDHAM	56	56	0	0	0	100.0
6	U23EEP507	Electrical Measurements and Instrumentation Laboratory	Mr. S. ELANTHAMIZH	56	56	0	0	0	100.0
7	U23EEP508	Microprocessor and Microcontroller Laboratory	Mr. S. JOHN POWL	56	55	01	0	0	98.21
8	U23EEM501	Micro Project	Dr. D. SIVARAJ	56	56	0	0	0	100.0
9	U23EEM505	Essence of Indian Traditional Knowledge	Ms. T. ABINAYA SARASWATHY	56	56	0	0	0	100.0

Total no. of students in the class	56
No. of students passed in all the subjects in V semester	46
Pass percentage in V semester	(46/56) = 82.14%

Total no. of students in the class	56
No. of students passed in all the subjects upto V semester	43
Overall Pass percentage upto V semester	(43/56) = 76.78%

No. of arrears	01	02	03	04	07	08	13
No. of students	5	3	1	1	1	1	1

Class Advisor
(Mr. S. JOHN POWL)

Programme Academic Coordinator
(Dr.D.Raja)

HOD/EEE
(Dr.P.Jaganmouli)

Dean Academics
(Dr.S.Anbumalar)

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



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO PONDICHERRY UNIVERSITY)
(ACCREDITED BY NBA-AICTE, NEW DELHI, ACCREDITED BY NAAC WITH 'A' GRADE)
MADAGADIPET, PUDUCHERRY - 605 107



Department of Electrical and Electronics Engineering

12.01.2026

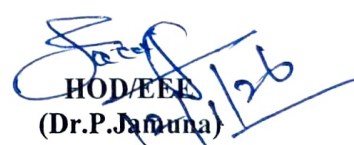
END SEMESTER EXAMINATION RESULT ANALYSIS - NOVEMBER 2025 BATCH: 2023 - 2027

Department	Electrical and Electronics Engineering		
Year/ Semester/ Section	III	V	A & B

Sl.No	Course Code	Course Name	Staff Handled	No. of students appeared	No. of students cleared	No. of students Failed	No. of students absent	With held	Percent age of result
Professional Elective - II									
1	U23EEE506	Utilization of Electrical Energy	Mr. S. ELANTHAMIZH	53	51	02	0	0	96.23
	U23EEE509	Automotive Electronics for Electrical Engineering	Mr. G. RAJAVEL	55	49	06	0	0	89.09
Open Elective - I									
2	U23HSOC02	New Product Development	Mrs. S.S. KAYALVIZHI	54	54	0	0	0	100
	U23HSOC05	Marketing Management	Mr. S. AMRESH	54	54	0	0	0	100


Class Advisors
(Mr.S.John Powl)
(Mr.I.Shivasankkar)


Programme Academic Coordinator
(Dr.D.Raja)


HOD/EEE
(Dr.P.Janana)


Dean Academics
(Dr.S.Anbumalar)


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

Department of Electrical and Electronics Engineering

09.01.2026

END SEMESTER EXAMINATION RESULT ANALYSIS - NOVEMBER 2025

BATCH: 2023 – 2027

Department	Electrical and Electronics Engineering		
Year/ Semester/ Section	III	V	B

Sl.No	Course Code	Course Name	Staff Handled	No. of students appeared	No. of students cleared	No. of students Failed	No. of students absent	With held	Percent age of result
1	U23HSTC02	Research Methodology	Dr. S. GANESH KUMARAN	52	49	03	0	0	94.23
2	U23ITTC02	Programming in Java	Mr. I. SHIVASANKKAR	52	45	07	0	0	86.54
3	U23EET509	Electrical Measurements and Instrumentation	Mrs. T. PORSELVI	52	43	09	0	0	82.69
4	U23EET510	Microprocessor and Microcontroller	Mr. S. MUGUNDHAN	52	43	09	0	0	82.69
5	U23ITPC02	Programming in Java Laboratory	Mr. I. SHIVASANKKAR	52	52	0	0	0	100
6	U23EEP507	Electrical Measurements and Instrumentation Laboratory	Mrs. T. PORSELVI	52	50	02	0	0	96.15
7	U23EEP508	Microprocessor and Microcontroller Laboratory	Mr. S. MUGUNDHAN	52	48	04	0	0	92.31
8	U23EEW501	Micro Project	Mr. B. PARTHIBAN	52	52	0	0	0	100
9	U23EEM505	Essence of Indian Traditional Knowledge	Ms. T. ABINAYA SARASWATHY	52	52	0	0	0	100

Total no. of students in the class	52
No. of students passed in all the subjects in V semester	38
Pass percentage in V semester	(38/52) = 73.08%

Total no. of students in the class	52
No. of students passed in all the subjects upto V semester	37
Overall Pass percentage upto V semester	(37/52) = 71.15%

No. of arrears	01	02	04	05	07	08	10	11	12	17	19
No. of students	04	01	01	02	01	01	01	01	01	01	01


9-1-26
Class Advisor
(Mr. J. Shivasankkar)


Programme Academic Coordinator
(Dr.D.Raja)

HOD/EE
(Dr.P.Jamuna)

**Dean Academics
(Dr.S.Anbumalar)**

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



Department of Electrical and Electronics Engineering
END SEMESTER EXAMINATION RESULT ANALYSIS - NOV 2025
BATCH: 2024 – 2028

09.01.2026

Department	Electrical and Electronics Engineering		
Year/ Semester/ Section	II	III	A

Sl. No	Course Code	Course Name	Staff Handled	No. of students appeared	No. of students cleared	No. of students Failed	No. of students absent	No of students result withheld	Percent age of result
THEORY									
1	U23MATC03	Probability and Statistics	Ms.M Guna	61	53	6	1	2	90%
2	U23ADTC01	Programming in Python	Mr I Shivasankkar	61	48	11	1	2	81.35%
3	U23EET304	Electromagnetic Theory	Mr R Vignesh	61	51	08	1	2	86.44%
4	U23EET305	Electrical Machines – I	Mr K.Thangaraj	60	50	08	2	2	86.20%
5	U23EET306	Electronics – III	Ms T Abinayasaraswathy	61	44	15	1	2	75%
THEORY CUM PRACTICAL									
6	U23EEB301	Electric Circuit Analysis	Mr B Ragunath	61	44	15	1	2	75%
PRACTICAL									
7	U23ENPC01	General Proficiency – I	Mr A Antoine Prasad	61	59	0	1	2	100%
8	U23MAPC01	Engineering Mathematics Laboratory	Ms.M Guna	61	59	0	1	2	100%
9	U23ADPC01	Programming in Python Laboratory	Mr I Shivasankkar	61	56	3	1	2	95%
10	U23EEP304	Electrical Machines – I Laboratory	Mr K.Thangaraj	61	57	2	1	2	97%

Total no. of students in the class	62
No. of students passed in all the subjects in III semester	39
Pass percentage in III semester	(39/59) = 66.10%
Total no. of students in the class	62
No. of students passed in all the subjects upto III semester	38
Overall Pass percentage upto III semester	(38/59) = 64.40%

III-SEMESTER ARREAR STUDENTS

No. of arrears	01	02	03	04	05	06	07	10	14
No. of students	06	03	02	02	01	03	02	01	01

Class Advisor
(Mr.R.Vignesh)

Programme Academic Coordinator
(Dr.D.Raja)

HOD/EEE
(Dr.P.Jambha)

Dean Academics
(Dr.S.Anbumalar)

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



END SEMESTER EXAMINATION RESULT ANALYSIS - NOVEMBER 2025

BATCH: 2024 – 2028

Department	Electrical and Electronics Engineering		
Year/ Semester/ Section	II	III	B

Sl.No	Course Code	Course Name	Staff Handled	No. of students appeared	No. of students cleared	No. of students Failed	No. of students absent	With held	Percent age of result
1	U23MATC03	Probability and Statistics	Mrs. R. CHANDRAPRABHA	63	59	3	0	1	95.16
2	U23ADTC01	Programming in Python	Mr. R. VIGNESH	63	54	8	0	1	87.09
3	U23EET304	Electromagnetic Theory	Mrs. T. PORSELVI	63	51	11	0	1	82.25
4	U23EET305	Electrical Machines – I	Mr. B. RAGHUNATH	63	55	7	0	1	88.70
		Electronics – III	Ms. T. ABHNAYA SARASWATHY	63	46	16	0	1	74.19
5	U23EEB301	Electric Circuit Analysis	Dr. D. RAJA	63	47	15	0	1	75.80
7	U23ADPC01	Programming in Python Laboratory	Mr. R. VIGNESH	63	59	3	1	1	95.16
8	U23EEP304	Electrical Machines – I Laboratory	Mr. B. RAGHUNATH	63	58	3	1	1	93.54
9	U23MAPC01	Engineering Mathematics Laboratory	Mrs. CHANDRAPRABHA	63	62	0	1	1	100

Total no. of students in the class	63
No. of students passed in all the subjects in III semester	34
Pass percentage in III semester	(34/62) = 54.83%

Total no. of students in the class	63
No. of students passed in all the subjects upto III semester	32
Overall Pass percentage upto III semester	(32/62) = 51.61%

***ONE STUDENT RESULT WITHHELD**

No. of arrears	01	02	03	04	07	08	09	14
No. of students	10	08	05	01	01	02	01	01

Class Advisor
(Mr. B. Raghunath)

Programme Academic Coordinator
(Dr. D. Raja)

HOD/ELE
(Dr. P. Jamuna)

Dean Academics
(Dr. S. Anbumalar)

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



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ENGINEERING COLLEGE
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MADAGADIPET, PUDUCHERRY - 605 107



Department of Electrical and Electronics Engineering

12.02.2026

END SEMESTER EXAMINATION RESULT ANALYSIS - JAN - 2026

BATCH: 2025 – 2029

Department	Electrical and Electronics Engineering		
Year/ Semester/ Section	I	I	A

Sl. No	Course Code	Course Name	Staff Handled	No. of students appeared	No. of students cleared	No. of students Failed	No. of students absent	Percent age of result
1	U23MATC01	Engineering Mathematics – I	Mr. R. Rajesh	57	56	01	-	98.24 %
2	U23BSTC01	Physical Science for Engineers	Mr. K. Oudhayakumar / Dr. H. Rosi	57	52	05	-	91.22 %
3	U23ESTC02	Engineering Mechanics	Dr. B. Ilangoan	57	57	00	-	100 %
4	U23EET101	Electrical Engineering	Mr. S. Elanthamizh	57	50	07	-	87.71 %
5	U23EET102	Electronics -I	Mr. G. Rajavel	57	53	04	-	92.98 %
6	U23ENBC01	Communicative English-I	Ms.R.Gajalakshmi	57	55	02	-	96.49 %
7	U23ESPC02	Design Thinking & Idea Laboratory	Mr. K.Thangaraj	57	57	00	-	100 %
8	U23EEP101	Electrical Engineering Laboratory	Mr.S.Elanthamizh	57	56	01	-	98.24 %
9	U23EEP102	Electronics -I Laboratory	Mr. G. Rajavel	57	55	02	-	96.49 %

Total no. of students in the class	57
No. of students passed in all the courses in I semester	47
Pass percentage in I semester	(47/57) = 82.46%

No. of arrears	01	02	03	04
No. of students	03	03	03	01

S. Elanthamizh
12/2/26
Class Advisor
(Mr.S.Elanthamizh)

Dr. D. Raja 12/2/26
Programme Academic Coordinator
(Dr.D.Raja)

Dr. P. Jagannathan 12/2/26
HOD/EEE
(Dr.P.Jagannathan)

Dr. S. Anbumalar
Dean Academics
(Dr.S.Anbumalar)

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



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MADAGADIPET, PUDUCHERRY - 605 107

25 YEARS

Department of Electrical and Electronics Engineering

12.02.2026

END SEMESTER EXAMINATION RESULT ANALYSIS - JAN - 2026

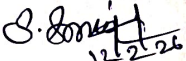
BATCH: 2025 - 2029

Department	Electrical and Electronics Engineering		
Year/ Semester/ Section	I	I	B

Sl. No	Course Code	Course Name	Staff Handled	No. of students appeared	No. of students cleared	No. of students Failed	No. of students absent	Percentage of result
1	U23MATC01	Engineering Mathematics - I	Mrs. S. P. Lavanya	58	54	4	-	93.10 %
2	U23BSTC01	Physical Science for Engineers	Mr. K. Oudhayakumar / Dr. H. Rosi	58	52	6	-	90 %
3	U23ESTC02	Engineering Mechanics	Dr. B. Ilangoan	58	56	2	-	96.55 %
4	U23EET101	Electrical Engineering	Mr. K. Thangaraj	58	49	9	-	84.48 %
5	U23EET102	Electronics -I	Mr. R. Vignesh	58	50	8	-	86.21 %
6	U23ENBC01	Communicative English-I	Ms.R. Gajalakshmi	58	56	2	-	96.55 %
7	U23ESPC02	Design Thinking & Idea Laboratory	Dr. S. Ganesh Kumaran	58	58	0	-	100.00 %
8	U23EEP101	Electrical Engineering Laboratory	Mr. K. Thangaraj	58	57	1	-	98.28 %
9	U23EEP102	Electronics -I Laboratory	Mr. R. Vignesh	58	56	2	-	96.55 %

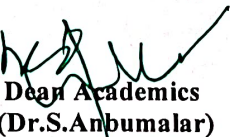
Total no. of students in the class	58
No. of students passed in all the courses in I semester	45
Pass percentage in I semester	(45/58) = 77.58%

No. of arrears	01	02	04	05
No. of students	05	03	02	03


Class Advisor
(Dr.S. Ganesh Kumaran)


Programme Academic Coordinator
(Dr.D.Raja)


HOD/EEE
(Dr.P.Jamuna)


Dean Academics
(Dr.S.Anbumalar)


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

Annexure – VII
Academic Calendar followed for the
Academic year 2025 – 2026



Academic Calendar for B. Tech Programmes

(January 2026 - May 2026)

Regulations: R-2023

Year / Semester: I year / II sem

Batch: 2025-2029

Events	Schedule
Commencement of Classes	21.01.2026 (Wednesday)
Last working day	05.05.2026 (Tuesday)
Declaration of Attendance / Internal Assessment	05.05.2026 (Tuesday)

Phase	Duration (From -To)	No. of Working Days	No. of Units to be covered	Ethnotech courses to be completed	Examination Schedule		
					Exam	Date (From - To)	No. of Units for Exam
Phase 1	21.01.2026 to 20.02.2026	25	2	Course 1 (6 days)	-	-	-
Phase 2	23.02.2026 to 28.03.2026	27	2	Course 2 (6 days)	CAT 1	23.02.2026 to 28.02.2026	2
Phase 3	30.03.2026 to 17.04.2026	14	1		CAT 2	30.03.2026 to 07.04.2026	2
Phase 4	20.04.2026 to 25.04.2026	6	-	-	Model Exam - Theory	20.04.2026 to 25.04.2026	5
Phase 5	27.04.2026 to 05.05.2026	6	-	-	Model Exam - Practical	27.04.2026 to 05.05.2026	-
Total No. of Working Days		78 days			Tentative ESE - Practical	06.05.2026 to 11.05.2026	-
Study Holidays		From 06.05.2026 to 17.05.2026 (12 days)			Tentative ESE - Theory	18.05.2026 (Monday) Onwards	

Details of Holidays:

Month and Year	Government Holidays			Saturday Holiday	
	No. of Days	Date (Day)	Event	No. of Days	Date
January 2026	1	26.01.2026 (Monday)	Republic Day	-	-
February 2026	-	-	-	2	07.02.2026 21.02.2026
March 2026	1	20.03.2026 (Friday)	Ramzan	2	07.03.2026 21.03.2026
April 2026	2	03.04.2026 (Friday) 14.04.2026 (Tuesday)	Good Friday Tamil New Year	2	04.04.2026 18.04.2026
May 2026	1	01.05.2026 (Friday)	May Day	2	02.05.2026 16.05.2026

Dean Academics

DIRECTOR cum PRINCIPAL



SRI MANAKULA VINAYAGAR
UNIVERSITY
ANANTHAPURAM CAMPUS
ANANTHAPURAM
APRIL 2026
600 102



I year / II Sem

Academic Calendar for B. Tech. Programmes
January 2026 - May 2026

January 2026

February 2026

March 2026

April 2026

May 2026

Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	
1	Thu	New Year	Holiday	1	Sun		Holiday	1	Sun		Holiday	1	Wed	CAT 2(1 st &2 nd hour)	55	1	Fri	May Day	Holiday	
2	Fri			2	Mon		10	2	Mon		32	2	Thu	CAT 2(1 st &2 nd hour)	56	2	Sat		Holiday	
3	Sat		Holiday	3	Tue		11	3	Tue		33	3	Fri	Good Friday		3	Sun		Holiday	
4	Sun		Holiday	4	Wed		12	4	Wed	Submission of CAT 1 Result Analysis	34	4	Sat			4	Mon	Submission of Model Exam Result Analysis	77	
5	Mon			5	Thu		13	5	Thu	Submission of Attendance & Assessment Record	35	5	Sun			5	Tue	Model Practical Exam Ends / Declaration of Attendance /Internal Assessment /Last Working Day	78	
6	Tue			6	Fri		14	6	Fri		36	6	Mon	CAT 2(1 st &2 nd hour)	57	6	Wed	Tentative ESE Practical starts		
7	Wed			7	Sat		Holiday	7	Sat		Holiday	7	Tue	CAT 2 Ends (1 st &2 nd hour)	58	7	Thu			
8	Thu			8	Sun		Holiday	8	Sun		Holiday	8	Wed		59	8	Fri			
9	Fri	Sigarathai Nokki		9	Mon		15	9	Mon		37	9	Thu		60	9	Sat			
10	Sat	Pongal Celebration		10	Tue		16	10	Tue		38	10	Fri	Submission of CAT 2 Result Analysis	61	10	Sun		Holiday	
11	Sun			11	Wed		17	11	Wed		39	11	Sat	Submission of Attendance & Assessment Record	62	11	Mon			
12	Mon			12	Thu		18	12	Thu		40	12	Sun			12	Tue			
13	Tue			13	Fri		19	13	Fri		41	13	Mon	Online Feedback 3	63	13	Wed			
14	Wed	Bhogi		14	Sat		20	14	Sat		42	14	Tue	Tamil New Year		14	Thu			
15	Thu	Pongal		15	Sun		Holiday	15	Sun		Holiday	15	Wed	Assignment 3	64	15	Fri			
16	Fri	Uzhavar Thirunal		16	Mon		21	16	Mon		43	16	Thu	Conduction of QCM -3	65	16	Sat		Holiday	
17	Sat	Thiruvalluvar Dinam		17	Tue	Online feedback – 1	22	17	Tue		44	17	Fri	Submission of QCM – 3/ Syllabus Coverage	66	17	Sun		Holiday	
18	Sun		Holiday	18	Wed	Assignment – 1	23	18	Wed	Celestia	45	18	Sat			18	Mon	Tentative ESE Theory		
19	Mon			19	Thu	Conduction of QCM-1	24	19	Thu	Celestia	46	19	Sun			Holiday	19	Tue		
20	Tue			20	Fri	Submission of QCM – I/ Syllabus Coverage	25	20	Fri	Ramzan		20	Mon	Model Theory Exam Starts	67	20	Wed			
21	Wed	Commencement of Classes for II sem	1	21	Sat		Holiday	21	Sat		Holiday	21	Tue	Model Exam	68	21	Thu			
22	Thu		2	22	Sun		Holiday	22	Sun		Holiday	22	Wed	Model Exam	69	22	Fri			
23	Fri		3	23	Mon	CAT 1 starts (1 st &2 nd hour)	26	23	Mon		47	23	Thu	Model Exam	70	23	Sat			
24	Sat		4	24	Tue	CAT 1(1 st &2 nd hour)	27	24	Tue		48	24	Fri	Model Exam	71	24	Sun		Holiday	
25	Sun			25	Wed	CAT 1(1 st &2 nd hour)	28	25	Wed	Online feedback – 2	49	25	Sat	Model Theory Exam Ends	72	25	Mon			
26	Mon	Republic Day	Holiday	26	Thu	CAT 1(1 st &2 nd hour)	29	26	Thu	Assignment – 2	50	26	Sun			26	Tue			
27	Tue		5	27	Fri	CAT 1 (1 st &2 nd hour)	30	27	Fri	Conduction of QCM-2	51	27	Mon	Tentative Model Practical	73	27	Wed			
28	Wed		6	28	Sat	CAT 1 Ends (1 st &2 nd hour)	31	28	Sat	Submission of QCM – 2/ Syllabus Coverage	52	28	Tue		74	28	Thu			
29	Thu		7					29	Sun		Holiday	29	Wed	Submission of Model Exam Result Analysis	75	29	Fri			
30	Fri		8					30	Mon	CAT 2 starts (1 st &2 nd hour)	53	30	Thu	Submission of Attendance & Assessment Record	76	30	Sat			
31	Sat		9					31	Tue	CAT 2(1 st &2 nd hour)	54				31	Sun		Holiday		
Total number of working days:9				Total number of working days:22				Total number of working days:23				Total number of working days:22				Total number of working days:02				
Total number of holidays:02				Total number of holidays:06				Total number of holidays:08				Total number of holidays:08				Total number of holidays:03				



Academic Calendar for B. Tech Programmes

(December 2025 - April 2026)

Regulations: R-2023

Year / Semester: II year / IV sem

Batch: 2024-2028

Events	Schedule
Commencement of Classes	17.12.2025 (Wednesday)
Last working day	09.04.2026 (Thursday)
Declaration of Attendance / Internal Assessment	09.04.2026 (Thursday)

Phase	Duration (From -To)	No. of Working Days	No. of Units to be covered	Ethnotech courses to be completed	Examination Schedule		
					Exam	Date (From – To)	No. of Units for Exam
Phase 1	17.12.2025 to 13.01.2026	20	2	-	-	-	-
Phase 2	19.01.2026 to 20.02.2026	27	2	Course 1 (6 days)	CAT 1	19.01.2026 to 27.01.2026	2
Phase 3	23.02.2026 to 26.03.2026	25	1	Course 2 (6 days)	CAT 2	23.02.2026 to 02.03.2026	2
Phase 4	27.03.2026 to 06.04.2026	7	-	-	Model Exam - Theory	27.03.2026 to 06.04.2026	5
Phase 5	07.04.2026 to 09.04.2026	3	-	-	Model Exam - Practical	07.04.2026 to 09.04.2026	-
Total No. of Working Days		82 days			Tentative ESE – Practical	10.04.2026 to 16.04.2026	-
Study Holidays		From 10.04.2026 to 26.04.2026 (17 days)			Tentative ESE – Theory	27.04.2026 (Monday) Onwards	

Details of Holidays:

Month and Year	Government Holidays			Saturday Holiday	
	No. of Days	Date (Day)	Event	No. of Days	Date
December 2025	1	25.12.2025 (Thursday)	Christmas	2	06.12.2025 20.12.2025
January 2026	6	01.01.2026 (Thursday)	New Year	2	03.01.2026
		14.01.2026 (Wednesday)	Bhogi		17.01.2026
		15.01.2026 (Thursday)	Pongal		
		16.01.2026 (Friday)	Uzhavar Thirunal		
		17.01.2026 (Saturday)	Thiruvalluvar Dinam		
		26.01.2026 (Monday)	Republic Day		
February 2026	-	-	-	2	07.02.2026 21.02.2026
March 2026	1	20.03.2026 (Friday)	Ramzan	2	07.03.2026 21.03.2026
April 2026	2	03.04.2026 (Friday)	Good Friday	2	04.04.2026
		14.04.2026 (Tuesday)	Tamil New Year		18.04.2026

Dean Academics

DIRECTOR cum PRINCIPAL

Use of Cell Phones

It has been decided **not to permit cell phones inside the college campus**. If any student is found using the cell phone inside the college campus, it would be confiscated and will not be returned back on any circumstances. Hence the students are instructed not to attend the college with the mobile phones.

Dress Code

The students are requested to attend the college neatly dressed. While the male students should attend the college with the shirts neatly tucked in and with the shoes, the female students are permitted to come with churidar and dupatta properly pinned. Students wearing full hand shirts should wear it as such without folding it to half etc. Casual wears like jeans, T-shirts etc., both for boys and girls are strictly prohibited inside the campus. Each department has prescribed uniforms for the labs. The students are requested to strictly adhere to the dress codes as well as the rules and regulations of the college.

Maintenance of Discipline

Discipline is an important factor that shapes one's personality. It is considered as a golden key capable of opening many doors. This institution expects each and every student to follow the rules and regulations in total. Maintaining discipline in the campus will promote a conducive environment for studies.

Working hours

I hour	09.00 a.m	to	09.50 a.m
II hour	09.50 a.m	to	10.40 a.m
Break	10.40 a.m	to	10.55 a.m
III hour	10.55 a.m	to	11.45 a.m
IV hour	11.45 a.m	to	12.35 p.m
V hour	01.15 p.m	to	02.05 p.m
VI hour	02.05 p.m	to	02.55 p.m
Break	02.55 p.m	to	03.10 p.m
VII hour	03.10 p.m	to	04.00 p.m
VIII hour	04.00 p.m	to	04.50 p.m
Lunchbreak 12.35 p.m. to 1.15 p.m.			

Table 1 Assessment method for Theory Courses

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESM) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment*	Attendance		
Marks	5	5	5	5	5	75	100

* Application oriented / Problem solving / Design / Analytical in content beyond the syllabus

Table 2 Question Paper pattern for CAT 1 and CAT 2 - Theory Courses

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
5	4	2 (out of 3 question)	50

Table 3 Model and End Semester Examination Question Paper pattern for 5 unit courses

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
10 (two questions from each unit)	5 (one questions from each unit)	3 (out of 5 questions one from each unit)	75

Table 4 Model and End Semester Examination Question Paper pattern for 6 unit courses

Course	2 Mark Questions	5 Mark Questions	8/9 Mark Questions	Total Marks
Part A	5	2 (out of 3 questions, one from each unit)	2 9 mark questions (out of 3 questions, one from each unit)	38
Part B	5	2 (out of 3 questions, one from each unit)	1 8 mark questions (out of 2 questions, one from unit IV & unit V) 1 9 mark questions (compulsory question from unit VI)	37

Table 5 Assessment Method for Practical Courses

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESM) Marks	Total Marks
	Performance in practical classes			Model Practical Examination	Attendance		
	Conduction of practical	Record work	Model Exam				
Marks	15	5	5	15	10	50	100

Table 6 Assessment Method for Theory cum Practical Courses

Assessment	Continuous Assessment Marks (CAM) - Maximum 50 Marks										End Semester Examination (ESM) Marks (Theory)	Total Marks
	Continuous Assessment (Theory)					Continuous Assessment (Practical)						
	CAT 1	CAT 2	Model	Attendance	Total	Conduction of Practical	Report	Viva	Total	End Semester Examination (ESE) (Practical-Internal Evaluation)		
	Marks	5	5	5	5	20*	15	10	5	30**	30	75**
*To be weighted for 10 Marks					10	**To be weighted for 10 Marks			10	**To be weighted for 50 Marks		

Table 7 Question Paper pattern for CAT 1 and CAT 2 (Theory cum Practical course)

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
5	4	2 (out of 3 question)	50

Table 8 Question paper pattern for Model and End Semester Examination (Theory cum Practical course)

2 Mark Questions	5 Mark Questions	14 Mark Questions	Total Marks
9 (3 questions from each unit)	3 (one question from each unit)	1 Compulsory question (with sub-section questions in any of the unit) 2 (out of 3 questions, one from each unit with sub-section)	75

Requirements for Appearing End Semester Examination

A student is expected to maintain 100% attendance in all courses as attendance also carries internal marks. A student will be qualified to appear for end semester examinations of a semester only if he/she satisfies the below mentioned requirements.

The student is permitted to appear for End Semester Examinations, only if he/she maintains minimum 75% of attendance. If he/she secured attendance greater than or equal to 60 % and less than 75 % has to pay the necessary condonation prescribed by the college authority with necessary supporting documents for his/her absence.

Redo Category

A student who secures overall attendance less than 60% has to repeat the course with the approval, when it is next offered. A student secures attendance greater than or equal to 60% and less than 75% will be promoted to next higher semester only if lapse of attendance is due to medical reasons(hospitalization/ accident/illness) or participation in sports event or any competitions or NCC or NSS activities with prior permission from the Head of Institution through the Head of the department with necessary supporting documents and payment of necessary condonation fee as prescribed by the college authority. However, student secures more than 75 % of attendance in the current semester will be moved to next higher semester only if he/she registered for the current semester examinations

M1:

Women Empowerment Cell

For the Welfare of the girl students, a Women Cell has been constituted in the college. The girl students may approach the member secretary for assistance.

Mail id : wec@smvec.ac.in

Grievance Redressal Committee

There is a Grievance Redressal committee in our college and the details are available in the website. Students can approach the member of the committee to redress their grievances if any. Mail id : grievance@smvec.ac.in

Internal Complaints Committee

The objective of this committee is to avoid sexual harassment of students and women employees in the college by preventing it, recording complaints, and taking appropriate action in response. It also aims to eliminate gender-based discrimination by creating a safe physical and social environment that deters sexual harassment and enforcing the necessary disciplinary actions. For complaints: Mail id : icc@smvec.ac.in

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)
(Accredited by NBA-AICTE, New Delhi and Accredited by NAAC with "A" Grade)

Madagadipet, Puducherry - 605 107



Academic Calendar

December 2025 to April 2026

Programme/Regulations: B.Tech/R-2023

Year/Sem : II year / IV Sem

About Autonomous

Sri Manakula Vinayagar Engineering College has been conferred with Autonomous Status by the University Grants Commission on 26th September 2019 and the same was approved by Pondicherry University on 19th June 2020.

VISION

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

MISSION

M1: Quality Education: To provide comprehensive academic system that amalgamates the cutting-edge technologies with best practices.

M2: Research and Innovation: To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.

M3: Employability and Entrepreneurship: To inculcate the employability and entrepreneurial skills through value and skill-based training.

M4: Ethical Values: To instill deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.



Academic Calendar for B. Tech. Programmes
December 2025 – April 2026

December 2025

January 2026

February 2026

March 2026

April 2026

Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day
1	Mon			1	Thu	New Year	Holiday	1	Sun		Holiday	1	Sun		Holiday	1	Wed	Model Exam	77
2	Tue			2	Fri		12	2	Mon		32	2	Mon	CAT 2 (H/M course) Ends	54	2	Thu	Model Exam	78
3	Wed			3	Sat		Holiday	3	Tue		33	3	Tue		55	3	Fri	Good Friday	Holiday
4	Thu			4	Sun		Holiday	4	Wed		34	4	Wed		56	4	Sat		Holiday
5	Fri			5	Mon		13	5	Thu		35	5	Thu	Sub. of Attendance & Assessment Record	57	5	Sun		Holiday
6	Sat		Holiday	6	Tue		14	6	Fri		36	6	Fri	Sub. of CAT 2 Result Analysis	58	6	Mon	Model Exam (H/M course) Ends	79
7	Sun		Holiday	7	Wed		15	7	Sat		Holiday	7	Sat		Holiday	7	Tue	Model Practical Exam starts	80
8	Mon			8	Thu		16	8	Sun		Holiday	8	Sun		Holiday	8	Wed		81
9	Tue			9	Fri	Sigarathai Noki / Online feedback - 1	17	9	Mon		37	9	Mon		59	9	Thu	Sub. of Model Exam Result Analysis / Model Practical Exam Ends/ Declaration of Attendance/Internal Assessment / Last Working Day	82
10	Wed			10	Sat	Pongal Celebration / Conduction of QCM 1 / Assignment - 1	18	10	Tue		38	10	Tue		60	10	Fri	Sub. of Attendance & Assessment Record / Tentative ESE Practical Exam starts	
11	Thu			11	Sun		Holiday	11	Wed		39	11	Wed		61	11	Sat		
12	Fri			12	Mon	Sub. of QCM 1/Syllabus Coverage	19	12	Thu		40	12	Thu		62	12	Sun		Holiday
13	Sat			13	Tue	Completion of 1 st & 2 nd units	20	13	Fri		41	13	Fri		63	13	Mon		
14	Sun		Holiday	14	Wed	Bhogi	Holiday	14	Sat		42	14	Sat	Online feedback 3	64	14	Tue	Tamil New Year	Holiday
15	Mon			15	Thu	Pongal	Holiday	15	Sun		Holiday	15	Sun		Holiday	15	Wed		
16	Tue			16	Fri	Uzhavar Thirunal	Holiday	16	Mon	Online feedback -2	43	16	Mon	Conduction of QCM 3 / Assignment 3	65	16	Thu	Tentative ESE Practical Exam Ends	
17	Wed	Commencement of classes for IV semester	1	17	Sat	Thiruvalluvar Dinam	Holiday	17	Tue	Conduction of QCM 2/ Assignment - 2	44	17	Tue	Sub. of QCM 3/Syllabus Coverage	66	17	Fri		
18	Thu		2	18	Sun		Holiday	18	Wed	Sub. of QCM 2/Syllabus Coverage	45	18	Wed	Completion of all 5 units/Celestia	67	18	Sat		Holiday
19	Fri		3	19	Mon	CAT 1 starts (1 st & 2 nd hour)	21	19	Thu	Completion of 3 rd & 4 th units	46	19	Thu	Celestia	68	19	Sun		Holiday
20	Sat		Holiday	20	Tue	CAT 1 (1 st & 2 nd hour)	22	20	Fri		47	20	Fri	Ramzan	Holiday	20	Mon		
21	Sun		Holiday	21	Wed	CAT 1 (1 st & 2 nd hour)	23	21	Sat		Holiday	21	Sat		Holiday	21	Tue		
22	Mon		4	22	Thu	CAT 1 (1 st & 2 nd hour)	24	22	Sun		Holiday	22	Sun		Holiday	22	Wed		
23	Tue		5	23	Fri	CAT 1 (1 st & 2 nd hour)	25	23	Mon	CAT 2 starts (1 st & 2 nd hour)	48	23	Mon		69	23	Thu		
24	Wed		6	24	Sat	CAT 1 (1 st & 2 nd hour)	26	24	Tue	CAT 2 (1 st & 2 nd hour)	49	24	Tue		70	24	Fri		
25	Thu	Christmas	Holiday	25	Sun		Holiday	25	Wed	CAT 2 (1 st & 2 nd hour)	50	25	Wed		71	25	Sat		
26	Fri		7	26	Mon	Republic Day	Holiday	26	Thu	CAT 2 (1 st & 2 nd hour)	51	26	Thu		72	26	Sun		Holiday
27	Sat		8	27	Tue	CAT 1 Ends (Tentative CAT 1 H/M course)	27	27	Fri	CAT 2 (1 st & 2 nd hour)	52	27	Fri	Model Exam Theory starts	73	27	Mon	Tentative ESE Theory Exam starts	
28	Sun		Holiday	28	Wed		28	28	Sat	CAT 2 (1 st & 2 nd hour)	53	28	Sat	Model Exam	74	28	Tue		
29	Mon		9	29	Thu	Sub. of CAT 1 Result Analysis	29				29	Sun		Holiday	29	Wed			
30	Tue		10	30	Fri	Sub. of Attendance & Assessment Record	30				30	Mon		Model Exam	75	30	Thu		
31	Wed		11	31	Sat		31				31	Tue		Model Exam	76				
Total number of working days:11				Total number of working days:20				Total number of working days:22				Total number of working days:23				Total number of working days:06			
Total number of holidays:04				Total number of holidays:11				Total number of holidays:06				Total number of holidays:08				Total number of holidays:03			

* Two Ethnotech courses can be completed between the commencement of classes and before the Model Examination



Academic Calendar for B. Tech Programmes

(December 2025 - April 2026)

Regulations: R-2023

Year / Semester: III year / VI sem

Batch: 2023-2027

Events	Schedule
Commencement of Classes	17.12.2025 (Wednesday)
Last working day	09.04.2026 (Thursday)
Declaration of Attendance / Internal Assessment	09.04.2026 (Thursday)

Phase	Duration (From -To)	No. of Working Days	No. of Units to be covered	Ethnotech courses to be completed	Placement Training	Examination Schedule		
						Exam	Date (From – To)	No. of Units for Exam
Phase 1	17.12.2025 to 13.01.2026	20	2	-	-	-	-	-
Phase 2	19.01.2026 to 28.02.2026	33	2	Course 1 (6 days)	Aptitude Training (11 days)	CAT 1	19.01.2026 to 27.01.2026	2
Phase 3	02.03.2026 to 26.03.2026	19	1	Course 2 (6 days)	-	CAT 2	02.03.2026 to 10.03.2026	2
Phase 4	27.03.2026 to 06.04.2026	7	-	-	-	Model Exam - Theory	27.03.2026 to 06.04.2026	5
Phase 5	07.04.2026 to 09.04.2026	3	-	-	-	Model Exam - Practical	07.04.2026 to 09.04.2026	-
Total No. of Working Days		82 days				Tentative ESE – Practical	10.04.2026 to 16.04.2026	-
Study Holidays		From 10.04.2026 to 26.04.2026 (17 days)				Tentative ESE – Theory	27.04.2026 (Monday) Onwards	

Details of Holidays:

Month and Year	Government Holidays			Saturday Holiday	
	No. of Days	Date (Day)	Event	No. of Days	Date
December 2025	1	25.12.2025 (Thursday)	Christmas	2	06.12.2025 20.12.2025
January 2026	6	01.01.2026 (Thursday)	New Year	2	03.01.2026
		14.01.2026 (Wednesday)	Bhogi		17.01.2026
		15.01.2026 (Thursday)	Pongal		
		16.01.2026 (Friday)	Uzhavar Thirunal		
		17.01.2026 (Saturday)	Thiruvalluvar Dinam		
		26.01.2026 (Monday)	Republic Day		
February 2026	-	-	-	2	07.02.2026 21.02.2026
March 2026	1	20.03.2026 (Friday)	Ramzan	2	07.03.2026 21.03.2026
April 2026	2	03.04.2026 (Friday)	Good Friday	2	04.04.2026
		14.04.2026 (Tuesday)	Tamil New Year		18.04.2026

Dean Academics

DIRECTOR cum PRINCIPAL

Use of Cell Phones

It has been decided **not to permit cell phones inside the college campus**. If any student is found using the cell phone inside the college campus, it would be confiscated and will not be returned back on any circumstances. Hence the students are instructed not to attend the college with the mobile phones.

Dress Code

The students are requested to attend the college neatly dressed. While the male students should attend the college with the shirts neatly tucked in and with the shoes, the female students are permitted to come with churidar and dupatta properly pinned. Students wearing full hand shirts should wear it as such without folding it to half etc. Casual wears like jeans, T-shirts etc., both for boys and girls are strictly prohibited inside the campus. Each department has prescribed uniforms for the labs. The students are requested to strictly adhere to the dress codes as well as the rules and regulations of the college.

Maintenance of Discipline

Discipline is an important factor that shapes one's personality. It is considered as a golden key capable of opening many doors. This institution expects each and every student to follow the rules and regulations in total. Maintaining discipline in the campus will promote a conducive environment for studies.

Working hours

I hour	09.00 a.m	to	09.50 a.m
II hour	09.50 a.m	to	10.40 a.m
Break	10.40 a.m	to	10.55 a.m
III hour	10.55 a.m	to	11.45 a.m
IV hour	11.45 a.m	to	12.35 p.m
V hour	01.15 p.m	to	02.05 p.m
VI hour	02.05 p.m	to	02.55 p.m
Break	02.55 p.m	to	03.10 p.m
VII hour	03.10 p.m	to	04.00 p.m
VIII hour	04.00 p.m	to	04.50 p.m
Lunchbreak 12.35 p.m. to 1.15 p.m.			

Table 1 Assessment method for Theory Courses

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESM) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment*	Attendance		
Marks	5	5	5	5	5	75	100

* Application oriented / Problem solving / Design / Analytical in content beyond the syllabus

Table 2 Question Paper pattern for CAT 1 and CAT 2 - Theory Courses

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
5	4	2 (out of 3 question)	50

Table 3 Model and End Semester Examination Question Paper pattern for 5 unit courses

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
10 (two questions from each unit)	5 (one questions from each unit)	3 (out of 5 questions one from each unit)	75

Table 4 Model and End Semester Examination Question Paper pattern for 6 unit courses

Course	2 Mark Questions	5 Mark Questions	8/9 Mark Questions	Total Marks
Part A	5	2 (out of 3 questions, one from each unit)	2 9 mark questions (out of 3 questions, one from each unit)	38
Part B	5	2 (out of 3 questions, one from each unit)	1 8 mark questions (out of 2 questions, one from unit IV & unit V) 1 9 mark questions (compulsory question from unit VI)	37

Table 5 Assessment Method for Practical Courses

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESM) Marks	Total Marks
	Performance in practical classes			Model Practical Examination	Attendance		
	Conduction of practical	Record work	Model Exam				
Marks	15	5	5	15	10	50	100

Table 6 Assessment Method for Theory cum Practical Courses

Assessment	Continuous Assessment Marks (CAM) - Maximum 50 Marks										End Semester Examination (ESM) Marks (Theory)	Total Marks
	Continuous Assessment (Theory)					Continuous Assessment (Practical)						
	CAT 1	CAT 2	Model	Attendance	Total	Conduction of Practical	Report	Viva	Total	End Semester Examination (ESE) (Practical-Internal Evaluation)		
	Marks	5	5	5	5	20*	15	10	5	30**	75**	
*To be weighted for 10 Marks					10	**To be weighted for 10 Marks			10	30	**To be weighted for 50 Marks	100

Table 7 Question Paper pattern for CAT 1 and CAT 2 (Theory cum Practical course)

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
5	4	2 (out of 3 question)	50

Table 8 Question paper pattern for Model and End Semester Examination (Theory cum Practical course)

2 Mark Questions	5 Mark Questions	14 Mark Questions	Total Marks
9 (3 questions from each unit)	3 (one question from each unit)	1 Compulsory question (with sub-section questions in any of the unit) 2 (out of 3 questions, one from each unit with sub-section)	75

Requirements for Appearing End Semester Examination

A student is expected to maintain 100% attendance in all courses as attendance also carries internal marks. A student will be qualified to appear for end semester examinations of a semester only if he/she satisfies the below mentioned requirements.

The student is permitted to appear for End Semester Examinations, only if he/she maintains minimum 75% of attendance. If he/she secured attendance greater than or equal to 60 % and less than 75 % has to pay the necessary condonation prescribed by the college authority with necessary supporting documents for his/her absence.

Redo Category

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Academic Calendar

December 2025 to April 2026

Programme/Regulations: B.Tech/R-2023

Year/Sem : III year/ VI Sem

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Academic Calendar for B. Tech. Programmes

December 2025 - April 2026

December 2025

January 2026

February 2026

March 2026

April 2026

Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day
1	Mon			1	Thu	New Year	Holiday	1	Sun		Holiday	1	Sun		Holiday	1	Wed	Model Exam	77
2	Tue			2	Fri		12	2	Mon	Aptitude Training starts	32	2	Mon	CAT 2 starts (1 st & 2 nd hour)	54	2	Thu	Model Exam	78
3	Wed			3	Sat		Holiday	3	Tue		33	3	Tue	CAT 2 (1 st & 2 nd hour)	55	3	Fri	Good Friday	Holiday
4	Thu			4	Sun		Holiday	4	Wed		34	4	Wed	CAT 2 (1 st & 2 nd hour)	56	4	Sat		Holiday
5	Fri			5	Mon		13	5	Thu		35	5	Thu	CAT 2 (1 st & 2 nd hour)	57	5	Sun		Holiday
6	Sat		Holiday	6	Tue		14	6	Fri		36	6	Fri	CAT 2 (1 st & 2 nd hour)	58	6	Mon	Model Exam Theory (H/M course) Ends	79
7	Sun		Holiday	7	Wed		15	7	Sat		Holiday	7	Sat		Holiday	7	Tue	Model Practical Exam Starts/Mini project - Model Review	80
8	Mon			8	Thu		16	8	Sun		Holiday	8	Sun		Holiday	8	Wed	Sub. of Model Exam Result Analysis	81
9	Tue			9	Fri	Sigarathai Nokki / Online feedback - 1	17	9	Mon		37	9	Mon	CAT 2 (1 st & 2 nd hour)	59	9	Thu	Model Practical Exam Ends/ Declaration of Attendance/Internal Assessment/ Last Working Day	82
10	Wed			10	Sat	Pongal Celebration / Conduction of QCM 1/ Assignment - 1	18	10	Tue		38	10	Tue	CAT 2 (H/M course) Ends Sub. of Attendance & Assessment Record	60	10	Fri	Tentative ESE Practical starts / Sub. of Attendance & Assessment Record	
11	Thu			11	Sun		Holiday	11	Wed		39	11	Wed		61	11	Sat		
12	Fri			12	Mon	Sub. of QCM 1/Syllabus Coverage	19	12	Thu		40	12	Thu		62	12	Sun		Holiday
13	Sat			13	Tue	Completion of 1 st & 2 nd units	20	13	Fri		41	13	Fri	Sub. of CAT 2 Result Analysis	63	13	Mon		
14	Sun		Holiday	14	Wed	Bhogi	Holiday	14	Sat	Aptitude Training Ends	42	14	Sat	Mini Project Review III	64	14	Tue	Tamil New Year	Holiday
15	Mon			15	Thu	Pongal	Holiday	15	Sun		Holiday	15	Sun		Holiday	15	Wed		
16	Tue			16	Fri	Uzhavar Thirunal	Holiday	16	Mon		43	16	Mon		65	16	Thu	ESE Practical Ends	
17	Wed	Commencement of classes for VI semester	1	17	Sat	Thiruvalluvar Dinam	Holiday	17	Tue		44	17	Tue	Online feedback 3	66	17	Fri		
18	Thu		2	18	Sun		Holiday	18	Wed		45	18	Wed	Conduction of QCM 3 / Assignment 3/Celestia	67	18	Sat		Holiday
19	Fri		3	19	Mon	CAT 1 starts (1 st & 2 nd hour)	21	19	Thu		46	19	Thu	Sub. of QCM3/Syllabus Coverage /Completion of all 5 units / Celestia	68	19	Sun		Holiday
20	Sat		Holiday	20	Tue	CAT 1 (1 st & 2 nd hour)	22	20	Fri	Mini Project - Review II	47	20	Fri	Ramzan	Holiday	20	Mon		
21	Sun		Holiday	21	Wed	CAT 1 (1 st & 2 nd hour)	23	21	Sat		Holiday	21	Sat		Holiday	21	Tue		
22	Mon		4	22	Thu	CAT 1 (1 st & 2 nd hour)	24	22	Sun		Holiday	22	Sun		Holiday	22	Wed		
23	Tue		5	23	Fri	CAT 1 (1 st & 2 nd hour)	25	23	Mon		48	23	Mon		69	23	Thu		
24	Wed		6	24	Sat	CAT 1 (1 st & 2 nd hour)	26	24	Tue	Online feedback - 2	49	24	Tue		70	24	Fri		
25	Thu	Christmas	Holiday	25	Sun		Holiday	25	Wed	Conduction of QCM 2/ Assignment - 2	50	25	Wed		71	25	Sat		
26	Fri		7	26	Mon	Republic Day	Holiday	26	Thu	Sub. of QCM 2/Syllabus Coverage	51	26	Thu		72	26	Sun		Holiday
27	Sat		8	27	Tue	CAT 1 (H/M course) Ends	27	27	Fri	Completion of 3 rd & 4 th units	52	27	Fri	Model Exam Theory Starts.	73	27	Mon	Tentative ESE Theory Exam starts	
28	Sun		Holiday	28	Wed		28	28	Sat		53	28	Sat	Model Exam	74	28	Tue		
29	Mon	Mini Project - Review I	9	29	Thu		29					29	Sun		Holiday	29	Wed		
30	Tue		10	30	Fri	Sub. of CAT 1 Result Analysis	30					30	Mon	Model Exam	75	30	Thu		
31	Wed		11	31	Sat	Sub. of Attendance & Assessment Record	31					31	Tue	Model Exam	76				
Total number of working days:11				Total number of working days:20				Total number of working days:22				Total number of working days:23				Total number of working days:06			
Total number of holidays:04				Total number of holidays:11				Total number of holidays:06				Total number of holidays:08				Total number of holidays:03			

*Ethnotech courses can be scheduled between Commencement of

Classes and before the commencement of Model

Examination



Academic Calendar for B. Tech Programmes

(December 2025 - April 2026)

Regulations: R-2020

Year / Semester: IV year / VIII sem

Batch: 2022-2026

Events	Schedule
Commencement of Classes	17.12.2025 (Wednesday)
Last working day	28.03.2026 (Saturday)
Declaration of Attendance / Internal Assessment	28.03.2026 (Saturday)

Phase	Duration (From -To)	No. of Working Days	No. of Units to be covered	Ethnotech courses to be completed	Examination Schedule		
					Exam	Date (From – To)	No. of Units for Exam
Phase 1	17.12.2025 to 05.01.2026	13	2.5	Course 1 (6 days)	-	-	-
Phase 2	06.01.2026 to 31.01.2026	18	2.5	Course 2 (6 days)	CAT 1	06.01.2026 to 08.01.2026	1.5
Phase 3	02.02.2026 to 19.03.2026	37	-	-	CAT 2	02.02.2026 to 04.02.2026	1.5
Phase 4	23.03.2026 to 25.03.2026	3	-	-	Model Exam - Theory	23.03.2026 to 25.03.2026	5
Phase 5	26.03.2026 to 28.03.2026	3	-	-	Model Exam - Practical	26.03.2026 to 28.03.2026	-
Total No. of Working Days		74 days			Tentative ESE – Practical	30.03.2026 to 02.04.2026	-
Study Holidays		From 29.03.2026 to 14.04.2026 (17 days)			Tentative ESE – Theory	15.04.2026 (Wednesday) Onwards	

Details of Holidays:

Month and Year	Government Holidays			Saturday Holiday	
	No. of Days	Date (Day)	Event	No. of Days	Date
December 2025	1	25.12.2025 (Thursday)	Christmas	2	06.12.2025 20.12.2025
January 2026	6	01.01.2026 (Thursday)	New Year	2	03.01.2026
		14.01.2026 (Wednesday)	Bhogi		17.01.2026
		15.01.2026 (Thursday)	Pongal		
		16.01.2026 (Friday)	Uzhavar Thirunal		
		17.01.2026 (Saturday)	Thiruvalluvar Dinam		
		26.01.2026 (Monday)	Republic Day		
February 2026	-	-	-	2	07.02.2026 21.02.2026
March 2026	1	20.03.2026 (Friday)	Ramzan	2	07.03.2026 21.03.2026
April 2026	2	03.04.2026 (Friday)	Good Friday	2	04.04.2026
		14.04.2026 (Tuesday)	Tamil New Year		18.04.2026


Dean Academics


DIRECTOR cum PRINCIPAL

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Working hours

I hour	09.00 a.m	to	09.50 a.m
II hour	09.50 a.m	to	10.40 a.m
Break	10.40 a.m	to	10.55 a.m
III hour	10.55 a.m	to	11.45 a.m
IV hour	11.45 a.m	to	12.35 p.m
V hour	01.15 p.m	to	02.05 p.m
VI hour	02.05 p.m	to	02.55 p.m
Break	02.55 p.m	to	03.10 p.m
VII hour	03.10 p.m	to	04.00 p.m
VIII hour	04.00 p.m	to	04.50 p.m
Lunch break 12.35 p.m. to 1.15 p.m.			

Marks Distribution of Continuous Assessment Marks (CAM) and End Semester Examination Marks (ESM) Scheme for Continuous Assessment Test (CAT)

S. No	Course Type	Continuous Assessment components									
		Test Marks	Average of pre/post test/ viva for each experiment	Average of marks for experiment report for each experiment	Model Exam / Report	Assignment	Review - 1	Review - 2	Review - 3	Attendance	Total
1.	Theory	15	-	-	-	5	-	-	-	5	25
2.	Practical	-	10	15	15	-	-	-	-	10	50
3.	Project Phase-I	-	-	-	-	-	15	15	20	-	50
4.	Project Phase-II	-	-	-	-	-	10	10	20	-	40

The internal marks will be provided fully based on the continuous assessment tests

Weightage of Assessment for Theory Course

S.No.	Test	Portion for Test	Test Marks	Duration of Test	Weightage for Internal
1	CAT 1	1½ Units	50	1 ½ hours	10
2	CAT 2	1½ Units	50	1 ½ hours	
3	Model	5 Units	75	3 hours	05
Continuous Assessment for Theory Course					15

Question Paper Pattern

Question paper for CAT and ESE will be based on the pattern shown in Table (a) and (b)

Table (a) Question Paper pattern for CAT/Model Exam

Test Type	2 Marks	5 Marks	10 Marks	Total Marks
CAT 1 / CAT 2	5(questions) (10 Marks)	4(questions) (20 Marks)	2 (questions) (20 Marks)	50
Model	End Semester Examination Question Pattern			75

Table (b) Question paper pattern for End semester Examination(ESE)

2 Marks	5 Marks	10 Marks	Total Marks
10(20 Marks)	5 (25 Marks) (one question from each unit)	3 (30 Marks) (out of 5 questions, one question from each unit)	75

End Semester Examination Question Paper Pattern for Six Units Courses

Course	2 Mark	5 Mark	8 / 9 Mark	Total Marks
Part A	5	2 (out of 3 questions, one from each unit)	one 8 mark question (out of 2 questions from Unit I and Unit II)	37
			One 9 mark question (compulsory question from unit III)	
Part B	5	2 (out of 3 questions, one from each unit)	Two 9 mark questions (out of 3 questions from IV, V & VI)	38

Requirements for Appearing End Semester Examination

A student is expected to maintain 100% attendance in all courses as attendance also carries internal marks. A student will be qualified to appear for end semester examinations of a semester only if he/she satisfies the below mentioned requirements.

The student is permitted to appear for End Semester Examinations, only if he/she maintains minimum 75% of attendance. If he/she secured attendance greater than or equal to 60 % and less than 75 % has to pay the necessary condonation prescribed by the college authority with necessary supporting documents for his/her absence.

Redo Category

A student who secures overall attendance less than 60% has to repeat the course with the approval, when it is next offered. A student secures attendance greater than or equal to 60% and less than 75% will be promoted to next higher semester only if lapse of attendance is due to medical reasons (hospitalization/ accident/illness) or participation in sports event or any competitions or NCC or NSS activities with prior permission from the Head of Institution through the Head of the department with necessary supporting documents and payment of necessary condonation fee as prescribed by the college authority. However, student secures more than 75 % of attendance in the current semester will be moved to next higher semester only if he/she registered for the current semester examinations.

Women Empowerment Cell

For the Welfare of the girl students, a Women Cell has been constituted in the college. The girl students may approach the member secretary for assistance.

Mail id : wec@smvec.ac.in

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SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)
(Accredited by NBA-AICTE, New Delhi and
Accredited by NAAC with "A" Grade)

Madagadipet, Puducherry - 605 107



Academic Calendar

December 2025 to April 2026

Programme / Regulations: B. Tech / R-2020

Year / Sem: IV year / VIII Sem

About Autonomous

Sri Manakula Vinayagar Engineering College has been conferred with Autonomous Status by the University Grants Commission on 26th September 2019 and the same was approved by Pondicherry University on 19th June 2020.

VISION

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

MISSION

- M1: Quality Education:** To provide comprehensive academic system that amalgamates the cutting edge technologies with best practices.
- M2: Research and Innovation:** To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.
- M3: Employability and Entrepreneurship:** To inculcate the employability and entrepreneurial skills through value and skill based training.
- M4: Ethical Values:** To instill deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.



Academic Calendar for B. Tech. Programmes
December 2025 - April 2026

December 2025

January 2026

February 2026

March 2026

April 2026

Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day
1	Mon			1	Thu	New Year	Holiday	1	Sun		Holiday	1	Sun		Holiday	1	Wed		
2	Tue			2	Fri	Conduction of QCM 1/ Assignment – 1	12	2	Mon	CAT 2 starts (1 st & 2 nd hour)	32	2	Mon		54	2	Thu	Tentative ESE Practical Ends	
3	Wed			3	Sat		Holiday	3	Tue	CAT 2 (1 st & 2 nd hour)	33	3	Tue		55	3	Fri	Good Friday	Holiday
4	Thu			4	Sun		Holiday	4	Wed	CAT 2 Ends (1 st & 2 nd hour)	34	4	Wed		56	4	Sat		Holiday
5	Fri			5	Mon	Sub. of QCM 1/Syllabus Coverage	13	5	Thu		35	5	Thu		57	5	Sun		Holiday
6	Sat		Holiday	6	Tue	CAT 1 Starts (1 st & 2 nd hour)	14	6	Fri		36	6	Fri	Phase II – Project Review 3	58	6	Mon		
7	Sun		Holiday	7	Wed	CAT 1 (1 st & 2 nd hour)	15	7	Sat		Holiday	7	Sat		Holiday	7	Tue		
8	Mon			8	Thu	CAT 1 Ends (1 st & 2 nd hour)	16	8	Sun		Holiday	8	Sun		Holiday	8	Wed		
9	Tue			9	Fri	Sigarathai Nokki	17	9	Mon		37	9	Mon		59	9	Thu		
10	Wed			10	Sat	Pongal Celebration	18	10	Tue	Sub. of CAT 2 Result Analysis	38	10	Tue		60	10	Fri		
11	Thu			11	Sun		Holiday	11	Wed	Phase II – Project Review 2	39	11	Wed		61	11	Sat		
12	Fri			12	Mon		19	12	Thu		40	12	Thu		62	12	Sun		Holiday
13	Sat			13	Tue	Sub. of CAT 1 Result Analysis	20	13	Fri		41	13	Fri		63	13	Mon		
14	Sun		Holiday	14	Wed	Bhogi	Holiday	14	Sat		42	14	Sat		64	14	Tue	Tamil New Year	Holiday
15	Mon			15	Thu	Pongal	Holiday	15	Sun		Holiday	15	Sun		Holiday	15	Wed	Tentative ESE Theory Exam starts	
16	Tue			16	Fri	Uzhavar Thirunai	Holiday	16	Mon		43	16	Mon		65	16	Thu		
17	Wed	Commencement of classes for VIII semester	1	17	Sat	Thiruvalluvar Dinam	Holiday	17	Tue		44	17	Tue	Online feedback 3	66	17	Fri		
18	Thu		2	18	Sun		Holiday	18	Wed	Sub. of Attendance & Assessment Record	45	18	Wed	Conduction of QCM 3/ Assignment 3/ Celestia	67	18	Sat		Holiday
19	Fri		3	19	Mon	Sub. of Attendance & Assessment Record	21	19	Thu		46	19	Thu	Sub. of QCM3/Syllabus Coverage / Celestia	68	19	Sun		Holiday
20	Sat		Holiday	20	Tue		22	20	Fri		47	20	Fri	Ramzan	Holiday	20	Mon		
21	Sun		Holiday	21	Wed		23	21	Sat		Holiday	21	Sat		Holiday	21	Tue		
22	Mon		4	22	Thu		24	22	Sun		Holiday	22	Sun		Holiday	22	Wed		
23	Tue		5	23	Fri		25	23	Mon		48	23	Mon	Model Theory Exam Starts	69	23	Thu		
24	Wed		6	24	Sat		26	24	Tue		49	24	Tue	Model Exam	70	24	Fri		
25	Thu	Christmas	Holiday	25	Sun		Holiday	25	Wed		50	25	Wed	Model Theory Exam Ends	71	25	Sat		
26	Fri		7	26	Mon	Republic Day	Holiday	26	Thu		51	26	Thu	Model Practical Exam Starts	72	26	Sun		Holiday
27	Sat		8	27	Tue		27	27	Fri		52	27	Fri	Model Project Review	73	27	Mon		
28	Sun		Holiday	28	Wed	Online feedback -2	28	28	Sat		53	28	Sat	Model Practical Exam Ends/ Sub. of Model Exam Result Analysis/ Declaration of Attendance/Internal Assessment/ Last Working Day	74	28	Tue		
29	Mon	Phase II –Project Review 1	9	29	Thu	Conduction of QCM 2/ Assignment – 2	29				29	Sun		Holiday		29	Wed		
30	Tue		10	30	Fri	Sub. of QCM 2/Syllabus Coverage	30				30	Mon				30	Thu		
31	Wed	Online feedback - 1	11	31	Sat		31				31	Tue							
Total number of working days:11				Total number of working days:20				Total number of working days:22				Total number of working days:21				Total number of working days:00			
Total number of holidays:04				Total number of holidays:11				Total number of holidays:06				Total number of holidays:07				Total number of holidays:00			

*Ethnotech courses can be completed between Commencement

of Classes and CAT 2 Examination.



Academic Calendar for B. Tech Programmes

(September 2025 - January 2026)

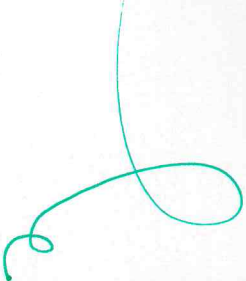
Regulations: R-2023

Year / Semester: I year / I sem

Batch: 2025-2029

Events	Schedule		
Commencement of Classes	18.09.2025 (Thursday)		
Last working day	26.12.2025 (Friday)		
Declaration of Attendance / Internal Assessment	02.01.2026 (Friday)		
Student Induction Programme	22.09.2025 (Monday) to 11.10.2025 (Saturday) – as per AICTE Guidelines, activities will include UHV 1, Proficiency Modules, Literature / Literary Activities, Creative Practices etc.,		
Exams Schedule		No. of Working Days	No. of Units for Exam
CAT 1	27.10.2025 (Monday) to 03.11.2025 (Monday)	27 (18+9) (Including Induction programme)	2
CAT 2	17.11.2025 (Monday) to 22.11.2025 (Saturday)	16	2
Model Exam - Theory	01.12.2025 (Monday) to 08.12.2025 (Monday)	12	5
Model Exam - Practical	15.12.2025 (Monday) to 19.12.2025 (Friday)	11	-
Tentative ESE – Practical	22.12.2025 (Monday) to 27.12.2025 (Saturday)	5	-
Study Holidays	From 28.12.2025 to 04.01.2026 (8 days)		
Tentative ESE – Theory	05.01.2026 (Monday)	-	-
Total No. of Working Days	75		-
Reopening of II Semester	19.01.2026		


Dean Academics


DIRECTOR cum PRINCIPAL

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Working hours

I hour	08.45 a.m to 09.35 a.m
II hour	09.35 a.m to 10.25 a.m
III hour	10.25 a.m to 11.15 a.m
Break	11.15 a.m to 11.30 a.m
IV hour	11.30 a.m to 12.20 p.m
V hour	12.20 p.m to 01.10 p.m
VI hour	01.50 p.m to 02.40 p.m
VII hour	02.40 p.m to 03.30 p.m
VIII hour	03.30 p.m to 04.20 p.m

Lunchbreak 01:10 pm to 1:50 p.m.

Table 1 Assessment method for Theory Courses

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESM) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment*	Attendance		
Marks	5	5	5	5	5	75	100

* Application oriented / Problem solving / Design / Analytical in content beyond the syllabus

Table 2 Question Paper pattern for CAT 1 and CAT 2 - Theory Courses

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
5	4	2 (out of 3 question)	50

Table 3 Model and End Semester Examination Question Paper pattern for 5 unit courses

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
10 (two questions from each unit)	5 (one questions from each unit)	3 (out of 5 questions one from each unit)	75

Table 4 Model and End Semester Examination Question Paper pattern for 6 unit courses

Course	2 Mark Questions	5 Mark Questions	8/9 Mark Questions	Total Marks
Part A	5	2 (out of 3 questions, one from each unit)	2 9 mark questions (out of 3 questions, one from each unit)	38
Part B	5	2 (out of 3 questions, one from each unit)	1 8 mark questions (out of 2 questions, one from unit IV & unit V) 1 mark questions (compulsory question from unit VI)	37

Table 5 Assessment Method for Practical Courses

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESM) Marks	Total Marks
	Performance in practical classes			Model Practical Examination	Attendance		
	Conduction of practical	Record work	Model Exam				
Marks	15	5	5	15	10	50	100

Table 6 Assessment Method for Theory cum Practical Courses

Assessment	Continuous Assessment Marks (CAM) - Maximum 50 Marks										End Semester Examination (ESM) Marks (Theory)	Total Marks	
	Continuous Assessment (Theory)					Continuous Assessment (Practical)							
	CAT 1	CAT 2	Model	Attendance	Total	Conduction of Practical	Report	Viva	Total	End Semester Examination (ESE) (Practical-Internal Evaluation)			
	Marks	5	5	5	5	20*	15	10	5	30**			30
*To be weighted for 10 Marks					10	**To be weighted for 10 Marks				10	**To be weighted for 50 Marks		100

Table 7 Question Paper pattern for CAT 1 and CAT 2 (Theory cum Practical course)

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
5	4	2 (out of 3 question)	50

Table 8 Question paper pattern for Model and End Semester Examination (Theory cum Practical course)

2 Mark Questions	5 Mark Questions	14 Mark Questions	Total Marks
9 (3 questions from each unit)	3 (one question from each unit)	1 Compulsory question (with sub-section questions in any of the unit) 2 (out of 3 questions, one from each unit with sub-section)	75

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Madagadipet, Puducherry - 605 107



Academic Calendar

September 2025 to January 2026

Programme/Regulations: **B.Tech/R-2023**

Year/Sem : 1 year / I Sem

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Academic Calendar for B. Tech. Programmes

September 2025 - January 2026

September 2025

October 2025

November 2025

December 2025

January 2026

Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day
1	Mon			1	Wed	Saraswathi Pooja / Ayudha Pooja	Holiday	1	Sat	Puducherry Liberation Day	Holiday	1	Mon	Model Exam starts	56	1	Thu	New year	Holiday
2	Tue			2	Thu	Gandhi Jayanthi	Holiday	2	Sun		Holiday	2	Tue	Model Exam	57	2	Fri	Declaration of Attendance / Internal Assessment	
3	Wed			3	Fri		12	3	Mon	CAT 1 Ends (1 st & 2 nd hour)	33	3	Wed	Model Exam	58	3	Sat		Holiday
4	Thu			4	Sat		Holiday	4	Tue		34	4	Thu	Model Exam	59	4	Sun		Holiday
5	Fri	Milad-un-Nabi	Holiday	5	Sun		Holiday	5	Wed		35	5	Fri	Model Exam	60	5	Mon	Tentative ESE Theory Exam Starts	
6	Sat		Holiday	6	Mon		13	6	Thu	Sub. of CAT 1 Result Analysis	36	6	Sat		Holiday	6	Tue		
7	Sun		Holiday	7	Tue		14	7	Fri		37	7	Sun		Holiday	7	Wed		
8	Mon			8	Wed		15	8	Sat		38	8	Mon	Model Exam Ends	61	8	Thu		
9	Tue			9	Thu		16	9	Sun		Holiday	9	Tue		62	9	Fri		
10	Wed			10	Fri		17	10	Mon	Online feedback – 2	39	10	Wed		63	10	Sat		
11	Thu			11	Sat	Student Induction programme ends	18	11	Tue	Assignment – 2	40	11	Thu	Sub. of Model Exam Result Analysis	64	11	Sun		Holiday
12	Fri			12	Sun		Holiday	12	Wed	Sub. of QCM – 2 / Syllabus Coverage	41	12	Fri		65	12	Mon		
13	Sat			13	Mon		19	13	Thu	Sub. of Attendance & Assessment Record – 2	42	13	Sat		66	13	Tue	Tentative ESE Theory Exam Ends / Bhogi	
14	Sun		Holiday	14	Tue		20	14	Fri	Completion of 3 rd & 4 th units	43	14	Sun		Holiday	14	Wed	Pongal	Holiday
15	Mon	Innovator's Day Celebration starts		15	Wed		21	15	Sat		Holiday	15	Mon	Model Practical Exam starts	67	15	Thu	Uzhavar Thirunal	Holiday
16	Tue			16	Thu		22	16	Sun		Holiday	16	Tue		68	16	Fri	Thiruvalluvar Dinam	Holiday
17	Wed			17	Fri		23	17	Mon	CAT 2 starts (1 st & 2 nd hour)	44	17	Wed		69	17	Sat		Holiday
18	Thu	I year Induction Day	1	18	Sat		Holiday	18	Tue	CAT 2 (1 st & 2 nd hour)	45	18	Thu		70	18	Sun		Holiday
19	Fri	Innovator's Day	2	19	Sun		Holiday	19	Wed	CAT 2 (1 st & 2 nd hour)	46	19	Fri	Model Practical Exam Ends	71	19	Mon	Reopening of II semester	
20	Sat		3	20	Mon	Deepavali	Holiday	20	Thu	CAT 2 (1 st & 2 nd hour)	47	20	Sat		Holiday	20	Tue		
21	Sun		Holiday	21	Tue		Holiday	21	Fri	CAT 2 (1 st & 2 nd hour)	48	21	Sun		Holiday	21	Wed		
22	Mon	Commencement of Classes for I year / I sem & Student Induction programme starts	4	22	Wed	Online feedback – 1 / Assignment – 1	24	22	Sat	CAT 2 Ends (1 st & 2 nd hour)	49	22	Mon	Tentative ESE Practical Exam Starts	72	22	Thu		
23	Tue		5	23	Thu	Sub. of QCM – 1 / Syllabus Coverage	25	23	Sun		Holiday	23	Tue		73	23	Fri		
24	Wed		6	24	Fri	Sub. of Attendance & Assessment Record – 1	26	24	Mon		50	24	Wed		74	24	Sat		
25	Thu		7	25	Sat	Completion of 1 st & 2 nd units	27	25	Tue	Sub. of CAT 2 Result Analysis	51	25	Thu	Christmas	Holiday	25	Sun		Holiday
26	Fri		8	26	Sun		Holiday	26	Wed	Online feedback – 2	52	26	Fri	Last Working Day	75	26	Mon		
27	Sat		9	27	Mon	CAT 1 starts (1 st & 2 nd hour)	28	27	Thu	Assignment – 2	53	27	Sat	Tentative ESE Practical Exam Ends		27	Tue		
28	Sun		Holiday	28	Tue	CAT 1 (1 st & 2 nd hour)	29	28	Fri	Sub. of QCM – 2/ Syllabus Coverage &	54	28	Sun		Holiday	28	Wed		
29	Mon		10	29	Wed	CAT 1 (1 st & 2 nd hour)	30	29	Sat	Sub. of Attendance & Assessment Record – 2/ Completion of all 5 units	55	29	Mon			29	Thu		
30	Tue		11	30	Thu	CAT 1 (1 st & 2 nd hour)	31	30	Sun		Holiday	30	Tue			30	Fri		
				31	Fri	CAT 1 (1 st & 2 nd hour)	32					31	Wed			31	Sat		
Total number of working days:11				Total number of working days:21				Total number of working days:23				Total number of working days:20				Total number of working days:			
Total number of holidays:02				Total number of holidays:10				Total number of holidays:7				Total number of holidays:6				Total number of holidays:			



Academic Calendar for B. Tech Programmes

(June 2025 - November 2025)

Regulations: R-2023

Year / Semester: II year / III sem

Batch: 2024-2028

Schedule	Date (Day) / No. of Days		
Commencement of Classes	23.06.2025 (Monday)		
Last working day	17.10.2025 (Friday)		
Total No. of Working days	89		
Declaration of Attendance / Internal Assessment	22.10.2025 (Wednesday)		
Exams Schedule		No. of Working Days	No. of Units for Exam
CAT 1	30.07.2025 (Wednesday) to 06.08.2025 (Wednesday)	30	2
CAT 2	11.09.2025 (Thursday) to 17.09.2025 (Wednesday)	31	2
Model Exam - Theory	06.10.2025 (Monday) to 11.10.2025 (Saturday)	17	5
Model Exam - Practical	13.10.2025 (Monday) to 17.10.2025 (Friday)		
Tentative ESE – Practical	21.10.2025 (Tuesday)		
Tentative ESE – Theory	10.11.2025 (Monday)		

Details of Holidays:

Month and Year	Government Holidays			Saturday Holiday	
	No. of Days	Date (Day)	Event	No. of Days	Date
June 2025	1	07.06.2025 (Saturday)	Bakrid	1	21.06.2025
July 2025	-	-	-	2	05.07.2025
					19.07.2025
August 2025	3	15.08.2025 (Friday)	Independence Day	2	02.08.2025
		16.08.2025 (Saturday)	De Jure Transfer Day		16.08.2025
		27.08.2025 (Wednesday)	Vinayagar Chathurthi		
September 2025	1	05.09.2025 (Friday)	Miladi Nabi	2	06.09.2025
					20.09.2025
October 2025	3	01.10.2025 (Wednesday)	Sarawathy Pooja	2	04.10.2025
		02.10.2025 (Thursday)	Gandhi Jayanthi		18.10.2025
		20.10.2025 (Monday)	Deepavali		
November 2025	1	01.11.2025 (Saturday)	Liberation Day	2	01.11.2025
					15.11.2025

Dean Academics

DIRECTOR cum PRINCIPAL

Use of Cell Phones

It has been decided **not to permit cell phones inside the college campus**. If any student is found using the cell phone inside the college campus, it would be confiscated and will not be returned back on any circumstances. Hence the students are instructed not to attend the college with the mobile phones.

Dress Code

The students are requested to attend the college neatly dressed. While the male students should attend the college with the shirts neatly tucked in and with the shoes, the female students are permitted to come with churidar and dupatta properly pinned. Students wearing full hand shirts should wear it as such without folding it to half etc. Casual wears like jeans, T-shirts etc., both for boys and girls are strictly prohibited inside the campus. Each department has prescribed uniforms for the labs. The students are requested to strictly adhere to the dress codes as well as the rules and regulations of the college.

Maintenance of Discipline

Discipline is an important factor that shapes one's personality. It is considered as a golden key capable of opening many doors. This institution expects each and every student to follow the rules and regulations in total. Maintaining discipline in the campus will promote a conducive environment for studies.

Working hours

I hour	09.00 a.m	to	09.50 a.m
II hour	09.50 a.m	to	10.40 a.m
Break	10.40 a.m	to	10.55 a.m
III hour	10.55 a.m	to	11.45 a.m
IV hour	11.45 a.m	to	12.35 p.m
V hour	01.15 p.m	to	02.05 p.m
VI hour	02.05 p.m	to	02.55 p.m
Break	02.55 p.m	to	03.10 p.m
VII hour	03.10 p.m	to	04.00 p.m
VIII hour	04.00 p.m	to	04.50 p.m
Lunchbreak 12.35 p.m. to 1.15 p.m.			

Table 1 Assessment method for Theory Courses

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESM) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment*	Attendance		
Marks	5	5	5	5	5	75	100

* Application oriented / Problem solving / Design / Analytical in content beyond the syllabus

Table 2 Question Paper pattern for CAT 1 and CAT 2 - Theory Courses

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
5	4	2 (out of 3 question)	50

Table 3 Model and End Semester Examination Question Paper pattern for 5 unit courses

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
10 (two questions from each unit)	5 (one questions from each unit)	3 (out of 5 questions one from each unit)	75

Table 4 Model and End Semester Examination Question Paper pattern for 6 unit courses

Course	2 Mark Questions	5 Mark Questions	8/9 Mark Questions	Total Marks
Part A	5	2 (out of 3 questions, one from each unit)	2 9 mark questions (out of 3 questions, one from each unit)	38
Part B	5	2 (out of 3 questions, one from each unit)	1 8 mark questions (out of 2 questions, one from unit IV & unit V) 1 9 mark questions (compulsory question from unit VI)	37

Table 5 Assessment Method for Practical Courses

Assessment	Continuous Assessment Marks (CAM)				End Semester Examination (ESM) Marks	Total Marks	
	Performance in practical classes			Model Practical Examination			Attendance
	Conduction of practical	Record work	Model Exam				
Marks	15	5	5	15	10	50	100

Table 6 Assessment Method for Theory cum Practical Courses

Assessment	Continuous Assessment Marks (CAM) - Maximum 50 Marks										End Semester Examination (ESM) Marks (Theory)	Total Marks	
	Continuous Assessment (Theory)					Continuous Assessment (Practical)							
	CAT 1	CAT 2	Model	Attendance	Total	Conduction of Practical	Report	Viva	Total	End Semester Examination (ESE) (Practical-Internal Evaluation)			
	Marks	5	5	5	5	20*	15	10	5	30**	30		
*To be weighted for 10 Marks					10	**To be weighted for 10 Marks					10	75**	100

Table 7 Question Paper pattern for CAT 1 and CAT 2 (Theory cum Practical course)

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
5	4	2 (out of 3 question)	50

Table 8 Question paper pattern for Model and End Semester Examination (Theory cum Practical course)

2 Mark Questions	5 Mark Questions	14 Mark Questions	Total Marks
9 (3 questions from each unit)	3 (one question from each unit)	1 Compulsory question (with sub-section questions in any of the unit) 2 (out of 3 questions, one from each unit with sub-section)	75

Requirements for Appearing End Semester Examination

A student is expected to maintain 100% attendance in all courses as attendance also carries internal marks. A student will be qualified to appear for end semester examinations of a semester only if he/she satisfies the below mentioned requirements.

The student is permitted to appear for End Semester Examinations, only if he/she maintains minimum 75% of attendance. If he/she secured attendance greater than or equal to 60 % and less than 75 % has to pay the necessary condonation prescribed by the college authority with necessary supporting documents for his/her absence.

Redo Category

A student who secures overall attendance less than 60% has to repeat the course with the approval, when it is next offered. A student secures attendance greater than or equal to 60% and less than 75% will be promoted to next higher semester only if lapse of attendance is due to medical reasons(hospitalization/ accident/illness) or participation in sports event or any competitions or NCC or NSS activities with prior permission from the Head of Institution through the Head of the department with necessary supporting documents and payment of necessary condonation fee as prescribed by the college authority. However, student secures more than 75 % of attendance in the current semester will be moved to next higher semester only if he/she registered for the current semester examinations

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)
(Accredited by NBA-AICTE, New Delhi and Accredited by NAAC with "A" Grade)

Madagadipet, Puducherry - 605 107



Academic Calendar

June 2025 to November 2025

Programme/Regulations: B.Tech/R-2023

Year/Sem : II year / III Sem

About Autonomous

Sri Manakula Vinayagar Engineering College has been conferred with Autonomous Status by the University Grants Commission on 26th September 2019 and the same was approved by Pondicherry University on 19th June 2020.

VISION

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

MISSION

- M1: Quality Education:** To provide comprehensive academic system that amalgamates the cutting-edge technologies with best practices.
- M2: Research and Innovation:** To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.
- M3: Employability and Entrepreneurship:** To inculcate the employability and entrepreneurial skills through value and skill-based training.

- M4: Ethical Values:** To instill deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.

Women Empowerment Cell

For the Welfare of the girl students, a Women Cell has been constituted in the college. The girl students may approach the member secretary for assistance.

Mail id : wec@smvec.ac.in

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There is a Grievance Redressal committee in our college and the details are available in the website. Students can approach the member of the committee to redress their grievances if any. Mail id : grievance@smvec.ac.in

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The objective of this committee is to avoid sexual harassment of students and women employees in the college by preventing it, recording complaints, and taking appropriate action in response. It also aims to eliminate gender-based discrimination by creating a safe physical and social environment that deters sexual harassment and enforcing the necessary disciplinary actions.

For complaints:

Mail id : icc@smvec.ac.in



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE

APPROVED BY ANNA UNIVERSITY, CHENNAI
ESTABLISHED IN 1983

25

Academic Calendar for B. Tech. Programmes

June 2025 - November 2025

II year / III Sem

June 2025				July 2025				August 2025				September 2025				October 2025				November 2025				
Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	
1	Sun		Holiday	1	Tue			1	Fri	CAT 1 (1 st & 2 nd hour)	33	1	Mon	Online Feedback-2	55	1	Wed	Saraswathy Pooja	Holiday	1	Sat	Liberation Day	Holiday	
2	Mon			2	Wed			2	Sat			2	Tue	Assignment -2	56	2	Thu	Gandhi Jayanthi	Holiday	2	Sun		Holiday	
3	Tue			3	Thu			3	Sun			3	Wed	Submission of QCM-2/Syllabus Coverage	57	3	Fri	Completion of all 5 units	78	3	Mon			
4	Wed			4	Fri			4	Mon	CAT 1 (1 st & 2 nd hour)	34	4	Thu		58	4	Sat		Holiday	4	Tue			
5	Thu			5	Sat			5	Tue	CAT 1 (1 st & 2 nd hour)	35	5	Fri	Miladi Nabi	Holiday	5	Sun		Holiday	5	Wed			
6	Fri			6	Sun			6	Wed	CAT 1 Ends (1 st & 2 nd hour)	36	6	Sat			6	Mon	Model Exam Starts	79	6	Thu			
7	Sat	Bakrid	Holiday	7	Mon			7	Thu			7	Sun			7	Tue	Model Exam	80	7	Fri			
8	Sun		Holiday	8	Tue			8	Fri	Submission of Attendance & Assessment Record	38	8	Mon		59	8	Wed	Model Exam	81	8	Sat			
9	Mon			9	Wed			9	Sat	Submission of CAT 1 Result Analysis	39	9	Tue		60	9	Thu	Model Exam	82	9	Sun		Holiday	
10	Tue			10	Thu			10	Sun			10	Wed	Completion of 3 rd & 4 th units	61	10	Fri	Model Exam	83	10	Mon	Tentative ESE Theory		
11	Wed			11	Fri			11	Mon			11	Thu	CAT 2 Starts (1 st & 2 nd hour)	62	11	Sat	Model Exam Ends	84	11	Tue			
12	Thu			12	Sat			12	Tue			12	Fri	CAT 2 (1 st & 2 nd hour)	63	12	Sun		Holiday	12	Wed			
13	Fri			13	Sun			13	Wed			13	Sat	CAT 2 (1 st & 2 nd hour)	64	13	Mon	Tentative Model Practical Exam Starts	85	13	Thu			
14	Sat			14	Mon			14	Thu			14	Sun			14	Tue			86	14	Fri		
15	Sun		Holiday	15	Tue			15	Fri	Independence Day	Holiday	15	Mon	CAT 2 (1 st & 2 nd hour)	65	15	Wed			87	15	Sat		Holiday
16	Mon			16	Wed			16	Sat	De Jure Transfer Day	Holiday	16	Tue	CAT 2 (1 st & 2 nd hour)	66	16	Thu			88	16	Sun		Holiday
17	Tue			17	Thu			17	Sun			17	Wed	CAT 2 Ends (1 st & 2 nd hour)	67	17	Fri	Tentative Model Practical Exam Ends / Last Working Day	89	17	Mon			
18	Wed			18	Fri			18	Mon			18	Thu		68	18	Sat		Holiday	18	Tue			
19	Thu			19	Sat			19	Tue			19	Fri		69	19	Sun		Holiday	19	Wed			
20	Fri			20	Sun			20	Wed			20	Sat			20	Mon	Deepavali	Holiday	20	Thu			
21	Sat		Holiday	21	Mon			21	Thu			21	Sun			21	Tue	Tentative ESE Practical Exam Starts		21	Fri			
22	Sun		Holiday	22	Tue			22	Fri			22	Mon	Submission of Attendance & Assessment Record	70	22	Wed	Declaration of Attendance /Internal Assessment		22	Sat			
23	Mon	Commencement of Classes for III semester	1	23	Wed			23	Sat			23	Tue	Submission of CAT 2 Result Analysis	71	23	Thu			23	Sun		Holiday	
24	Tue		2	24	Thu	Online Feedback -1	26	24	Sun			24	Wed		72	24	Fri			24	Mon			
25	Wed		3	25	Fri	Assignment -1	27	25	Mon			25	Thu	Online Feedback-3	73	25	Sat	Tentative ESE Practical Exam Ends		25	Tue			
26	Thu		4	26	Sat	Submission of QCM-1/Syllabus Coverage	28	26	Tue			26	Fri	Assignment -3	74	26	Sun		Holiday	26	Wed			
27	Fri		5	27	Sun			27	Wed	Vinayagar Chathurthi	Holiday	27	Sat	Submission of QCM-3/Syllabus Coverage	75	27	Mon	Submission of Assessment & Attendance Record		27	Thu			
28	Sat		6	28	Mon			28	Thu			28	Sun			28	Tue			28	Fri			
29	Sun		Holiday	29	Tue	Completion of 1 st & 2 nd units	30	29	Fri			29	Mon		76	29	Wed			29	Sat			
30	Mon		7	30	Wed	CAT 1 Starts (1 st & 2 nd hour)	31	30	Sat			30	Tue		77	30	Thu			30	Sun		Holiday	
				31	Thu	CAT 1 (1 st & 2 nd hour)	32	31	Sun							31	Fri							
Total number of working days :07				Total number of working days: 25				Total number of working days: 22				Total number of working days: 23				Total number of working days: 12				Total number of working days:00				
Total number of holidays: 01				Total number of holidays: 06				Total number of holidays: 09				Total number of holidays: 07				Total number of holidays: 05				Total number of holidays:00				
* The calendar schedule includes the time period for the completion of 2 ethnotec courses ,from Commencement of classes to Model exam																								

* The calendar schedule includes the time period for the completion of 2 ethnotec courses ,from Commencement of classes to Model exam



Academic Calendar for B. Tech Programmes

(June 2025 - November 2025)

Regulations: R-2023

Year / Semester: III year / V sem

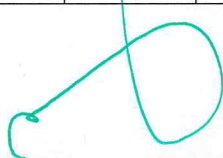
Batch: 2023-2027

Schedule	Date (Day) / No. of Days		
Commencement of Classes	16.06.2025 (Monday)		
Last working day	11.10.2025 (Saturday)		
Total No. of Working days	89		
Declaration of Attendance / Internal Assessment	16.10.2025 (Thursday)		
Exams Schedule		No. of Working Days	No. of Units for Exam
CAT 1	24.07.2025 (Thursday) to 30.07.2025 (Wednesday)	30	2
CAT 2	01.09.2025 (Monday) to 09.09.2025 (Tuesday)	29	2
Model Exam - Theory	24.09.2025 (Wednesday) to 30.09.2025 (Tuesday)	17	5
Model Exam - Practical	06.10.2025 (Monday) to 11.10.2025 (Saturday)		
Tentative ESE – Practical	13.10.2025 (Monday)		
Tentative ESE – Theory	03.11.2025 (Monday)		

Details of Holidays:

Month and Year	Government Holidays			Saturday Holiday	
	No. of Days	Date (Day)	Event	No. of Days	Date
June 2025	1	07.06.2025 (Saturday)	Bakrid	1	21.06.2025
July 2025	-	-	-	2	05.07.2025 19.07.2025
August 2025	3	15.08.2025 (Friday)	Independence Day	2	02.08.2025
		16.08.2025 (Saturday)	De Jure Transfer Day		16.08.2025
		27.08.2025 (Wednesday)	Vinayagar Chathurthi		
September 2025	1	05.09.2025 (Friday)	Miladi Nabi	2	06.09.2025 20.09.2025
October 2025	3	01.10.2025 (Wednesday)	Sarawathy Pooja	2	04.10.2025
		02.10.2025 (Thursday)	Gandhi Jayanthi		
		20.10.2025 (Monday)	Deepavali		18.10.2025
November 2025	1	01.11.2025 (Saturday)	Liberation Day	2	01.11.2025 15.11.2025


Dean Academics


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Working Hours

I hour	09.00 a.m to 09.50 a.m
II hour	09.50 a.m to 10.40 a.m
Break	10.40 a.m to 10.55 a.m
III hour	10.55 a.m to 11.45 a.m
IV hour	11.45 a.m to 12.35 p.m
V hour	01.15 p.m to 02.05 p.m
VI hour	02.05 p.m to 02.55 p.m
Break	02.55 p.m to 03.10 p.m
VII hour	03.10 p.m to 04.00 p.m
VIII hour	04.00 p.m to 04.50 p.m
Lunch break 12.35 p.m. to 1.15 p.m.	

Table 1 Assessment method for Theory Courses

Assessment	Continuous Assessment Marks (CAM)					End Semester Examination (ESM) Marks	Total Marks
	CAT 1	CAT 2	Model Exam	Assignment*	Attendance		
Marks	5	5	5	5	5	75	100

* Application oriented / Problem solving / Design / Analytical in content beyond the syllabus

Table 2 Question Paper pattern for CAT 1 and CAT 2 - Theory Courses

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
5	4	2 (out of 3 question)	50

Table 3 Model and End Semester Examination Question Paper pattern for 5 unit courses

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
10 (two questions from each unit)	5 (one questions from each unit)	3 (out of 5 questions one from each unit)	75

Table 4 Model and End Semester Examination Question Paper pattern for 6 unit courses

Course	2 Mark Questions	5 Mark Questions	8/9 Mark Questions	Total Marks
Part A	5	2 (out of 3 questions, one from each unit)	2 9 mark questions (out of 3 questions, one from each unit)	38
Part B	5	2 (out of 3 questions, one from each unit)	1 8 mark questions (out of 2 questions, one from unit IV & unit V) 1 9 mark questions (compulsory question from unit VI)	37

Table 5 Assessment Method for Practical Courses

Assessment	Continuous Assessment Marks (CAM)				End Semester Examination (ESM) Marks	Total Marks
	Performance in practical classes			Attendance		
	Conduction of practical	Record work	Model Exam	Model Practical Examination		
Marks	15	5	5	15	10	50
						100

Table 6 Assessment Method for Theory cum Practical Courses

Table 6 Assessment Method for Theory cum Practical Courses												
Assessment	Continuous Assessment Marks (CAM) - Maximum 50 Marks									End Semester Examination (ESM) Marks (Theory)	Total Marks	
	Continuous Assessment (Theory)					Continuous Assessment (Practical)						
	CAT 1	CAT 2	Model	Attendance	Total	Conduction of Practical	Report	Viva	Total			End Semester Examination (ESE) (Practical-Internal Evaluation)
	Marks	5	5	5	5	20*	15	10	5			30**
	*To be weighted for 10 Marks					10	**To be weighted for 10 Marks			10	75**	100

*To be weighted for 10 Marks

**To be weighted for 10 Marks

Table 7 Question Paper pattern for CAT 1 and CAT 2 (Theory cum Practical course)

2 Mark Questions	5 Mark Questions	10 Mark Questions	Total Marks
5	4	2 (out of 3 question)	50

Table 8 Question paper pattern for Model and End Semester Examination (Theory cum Practical course)

2 Mark Questions	5 Mark Questions	14 Mark Questions	Total Marks
9 (3 questions from each unit)	3 (one question from each unit)	1 Compulsory question (with sub-section questions in any of the unit) 2 (out of 3 questions, one from each unit with sub-section)	75

Requirements for Appearing End Semester Examination

A student is expected to maintain 100% attendance in all courses as attendance also carries internal marks. A student will be qualified to appear for end semester examinations of a semester only if he/she satisfies the below mentioned requirements.

The student is permitted to appear for End Semester Examinations, only if he/she maintains minimum 75% of attendance. If he/she secured attendance greater than or equal to 60 % and less than 75 % has to pay the necessary condonation prescribed by the college authority with necessary supporting documents for his/her absence.

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Madagadipet, Puducherry - 605 107



Academic Calendar

June 2025 to November 2025

Programme/Regulations: B.Tech/R-2023

Year/Sem : III year / V Sem

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Academic Calendar for B. Tech. Programmes
June 2025 - November 2025

III year / V Sem

June 2025				July 2025				August 2025				September 2025				October 2025				November 2025			
Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day
1	Sun		Holiday	1	Tue		13	1	Fri	Submission of Attendance & Assessment Record	38	1	Mon	CAT 2 starts (1 st & 2 nd hour)	60	1	Wed	Saraswathy Pooja	Holiday	1	Sat		Holiday
2	Mon			2	Wed		14	2	Sat		Holiday	2	Tue	CAT 2 (1 st & 2 nd hour)	61	2	Thu	Gandhi Jayanthi	Holiday	2	Sun		Holiday
3	Tue			3	Thu		15	3	Sun		Holiday	3	Wed	CAT 2 (1 st & 2 nd hour)	62	3	Fri			3	Mon	Tentative ESE Theory	
4	Wed			4	Fri		16	4	Mon	Submission of CAT 1 Result Analysis	39	4	Thu	CAT 2 (1 st & 2 nd hour)	63	4	Sat		Holiday	4	Tue		
5	Thu			5	Sat		Holiday	5	Tue		40	5	Fri	Miladi Nabi	Holiday	5	Sun		Holiday	5	Wed		
6	Fri			6	Sun		Holiday	6	Wed		41	6	Sat		Holiday	6	Mon	Tentative Model Practical Exam Starts	84	6	Thu		
7	Sat	Bakrid	Holiday	7	Mon		17	7	Thu		42	7	Sun		Holiday	7	Tue		85	7	Fri		
8	Sun		Holiday	8	Tue		18	8	Fri		43	8	Mon	CAT 2 (1 st & 2 nd hour)	64	8	Wed		86	8	Sat		
9	Mon			9	Wed		19	9	Sat		44	9	Tue	CAT 2 Ends (1 st & 2 nd hour)	65	9	Thu		87	9	Sun		Holiday
10	Tue			10	Thu		20	10	Sun		Holiday	10	Wed	CAT 2 - H/M course #	66	10	Fri		88	10	Mon		
11	Wed			11	Fri		21	11	Mon		45	11	Thu	Submission of Attendance & Assessment Record	67	11	Sat	Tentative Model Practical Exam Ends / Last Working Day	89	11	Tue		
12	Thu			12	Sat		22	12	Tue		46	12	Fri	Submission of CAT 2 Result Analysis	68	12	Sun		Holiday	12	Wed		
13	Fri			13	Sun		Holiday	13	Wed		47	13	Sat		69	13	Mon	Tentative ESE Practical starts		13	Thu		
14	Sat			14	Mon		23	14	Thu		48	14	Sun		Holiday	14	Tue			14	Fri		
15	Sun		Holiday	15	Tue		24	15	Fri	Independence Day	Holiday	15	Mon	Online Feedback - 3	70	15	Wed	Submission of Attendance & Assessment Record		15	Sat		Holiday
16	Mon	Commencement of Classes of V sem	1	16	Wed		25	16	Sat	De Jure Transfer Day	Holiday	16	Tue	Assignment - 3	71	16	Thu	Declaration of Attendance / Internal Assessment		16	Sun		Holiday
17	Tue		2	17	Thu		26	17	Sun		Holiday	17	Wed	Submission of QCM-3/Syllabus Coverage	72	17	Fri			17	Mon		
18	Wed		3	18	Fri	Online Feedback - 1	27	18	Mon		49	18	Thu	Micro Project - 2 nd Review	73	18	Sat		Holiday	18	Tue		
19	Thu		4	19	Sat		Holiday	19	Tue		50	19	Fri		74	19	Sun		Holiday	19	Wed		
20	Fri		5	20	Sun		Holiday	20	Wed		51	20	Sat		Holiday	20	Mon	Deepavali	Holiday	20	Thu		
21	Sat		Holiday	21	Mon	Assignment - 1	28	21	Thu		52	21	Sun		Holiday	21	Tue	Tentative ESE Practical Ends		21	Fri		
22	Sun		Holiday	22	Tue	Submission of QCM-1/Syllabus Coverage	29	22	Fri	Micro Project - 1 st Review	53	22	Mon	Completion of all 5 units	75	22	Wed			22	Sat		
23	Mon		6	23	Wed	Completion of 1 st & 2 nd units	30	23	Sat	Online Feedback - 2	54	23	Tue	Model Exam - H/M course #	76	23	Thu			23	Sun		Holiday
24	Tue		7	24	Thu	CAT 1 starts (1 st & 2 nd hour)	31	24	Sun		Holiday	24	Wed	Model Exam Starts	77	24	Fri			24	Mon		
25	Wed		8	25	Fri	CAT 1 (1 st & 2 nd hour)	32	25	Mon	Assignment - 2	55	25	Thu		78	25	Sat			25	Tue		
26	Thu		9	26	Sat	CAT 1 (1 st & 2 nd hour)	33	26	Tue	Submission of QCM-2/Syllabus Coverage	56	26	Fri		79	26	Sun		Holiday	26	Wed		
27	Fri	Micro Project - Zeroth Review	10	27	Sun		Holiday	27	Wed	Vinayagar Chaturthi	Holiday	27	Sat		80	27	Mon			27	Thu		
28	Sat		11	28	Mon	CAT 1 (1 st & 2 nd hour)	34	28	Thu		57	28	Sun		Holiday	28	Tue			28	Fri		
29	Sun		Holiday	29	Tue	CAT 1 (1 st & 2 nd hour)	35	29	Fri		58	29	Mon		81	29	Wed			29	Sat		
30	Mon		12	30	Wed	CAT 1 Ends (1 st & 2 nd hour)	36	30	Sat	Completion of 3 rd & 4 th units	59	30	Tue	Model Exam Ends	82	30	Thu			30	Sun		Holiday
				31	Thu	CAT 1 - H/M course #	37	31	Sun		Holiday					31	Fri						
Total number of working days :12				Total number of working days: 25				Total number of working days: 22				Total number of working days: 23				Total number of working days: 07				Total number of working days:00			
Total number of holidays :03				Total number of holidays: 06				Total number of holidays: 09				Total number of holidays: 07				Total number of holidays: 04				Total number of holidays:00			

*The calendar schedule includes the time period for the completion of 2 ethnotec courses ,from Commencement of classes to Model exam
 # H / M – Honours / Minor degree



Academic Calendar for B. Tech Programmes
(June 2025 - November 2025)

Regulations : R-2020

Year / Semester: IV year / VII sem

Batch: 2022-2026

Schedule	Date (Day) / No. of Days		
Commencement of Classes	16.06.2025 (Monday)		
Last working day	11.10.2025 (Saturday)		
Total No. of Working days	89		
Declaration of Attendance / Internal Assessment	16.10.2025 (Saturday)		
Exams Schedule		No. of Working Days	No. of Units for Exam
CAT 1	24.07.2025 (Thursday) to 30.07.2025 (Wednesday)	30	1.5
CAT 2	01.09.2025 (Monday) to 09.09.2025 (Tuesday)	29	1.5
Model Exam - Theory	24.09.2025 (Wednesday) to 30.09.2025 (Tuesday)	17	5
Model Exam - Practical	06.10.2025 (Monday) to 11.10.2025 (Saturday)		
Tentative ESE – Practical	13.10.2025 (Monday)		
Tentative ESE – Theory	03.11.2025 (Monday)		

Details of Holidays:

Month and Year	Government Holidays			Saturday Holiday	
	No. of Days	Date (Day)	Event	No. of Days	Date
June 2025	1	07.06.2025 (Saturday)	Bakrid	1	21.06.2025
July 2025	-	-	-	2	05.07.2025
					19.07.2025
August 2025	3	15.08.2025 (Friday)	Independence Day	2	02.08.2025
		16.08.2025 (Saturday)	De Jure Transfer Day		16.08.2025
		27.08.2025 (Wednesday)	Vinayagar Chathurthi		
September 2025	1	05.09.2025 (Friday)	Miladi Nabi	2	06.09.2025
					20.09.2025
October 2025	3	01.10.2025 (Wednesday)	Sarawathy Pooja	2	04.10.2025
		02.10.2025 (Thursday)	Gandhi Jayanthi		
		20.10.2025 (Monday)	Deepavali		18.10.2025
November 2025	1	01.11.2025 (Saturday)	Liberation Day	2	01.11.2025
					15.11.2025

Dean Academics

DIRECTOR cum PRINCIPAL

Use of Cell Phones

It has been decided not to permit cell phones inside the college campus. If any student is found using the cell phone inside the college campus, it would be confiscated and will not be returned back on any circumstances. Hence the students are instructed not to attend the college with the mobile phones.

Dress Code

The students are requested to attend the college neatly dressed. While the male students should attend the college with the shirts neatly tucked in and with the shoes, the female students are permitted to come with churidar and dupatta properly pinned. Students wearing full hand shirts should wear it as such without folding it to half etc. Casual wears like jeans, T-shirts etc., both for boys and girls are strictly prohibited inside the campus. Each department has prescribed uniforms for the labs. The students are requested to strictly adhere to the dress codes as well as the rules and regulations of the college.

Maintenance of Discipline

Discipline is an important factor that shapes one's personality. It is considered as a golden key capable of opening many doors. This institution expects each and every student to follow the rules and regulations in total. Maintaining discipline in the campus will promote a conducive environment for studies.

Working hours

I hour	09.00 a.m to 09.50 a.m
II hour	09.50 a.m to 10.40 a.m
Break	10.40 a.m to 10.55 a.m
III hour	10.55 a.m to 11.45 a.m
IV hour	11.45 a.m to 12.35 p.m
V hour	01.15 p.m to 02.05 p.m
VI hour	02.05 p.m to 02.55 p.m
Break	02.55 p.m to 03.10 p.m
VII hour	03.10 p.m to 04.00 p.m
VIII hour	04.00 p.m to 04.50 p.m
Lunch break 12.35 p.m. to 1.15 p.m.	

Marks Distribution of Continuous Assessment Marks (CAM) and End Semester Examination Marks (ESM) Scheme for Continuous Assessment Test (CAT)

Scheme for Continuous Assessment Test (CAT)											
S. No	Course Type	Continuous Assessment components									Total
		Test Marks	Average of pre/post test/ viva for each experiment	Average of marks for experiment report for each experiment	Model Exam / Report	Assignment	Review - 1	Review - 2	Review - 3	Attendance	
1.	Theory	15	-	-	-	5	-	-	-	5	25
2.	Practical	-	10	15	15	-	-	-	-	10	50
3.	Project Phase-I	-	-	-	-	-	15	15	20	-	50
4.	Project Phase-II	-	-	-	-	-	10	10	20	-	40

The internal marks will be provided fully based on the continuous assessment tests

Weightage of Assessment for Theory Course

S. No.	Test	Portion for Test	Test Marks	Duration of Test	Weightage for Internal
1	CAT 1	1½ Units	50	1 ½ hours	10
2	CAT 2	1½ Units	50	1 ½ hours	
3	Model	5 Units	75	3 hours	05
Continuous Assessment for Theory Course					15

Question Paper Pattern

Question paper for CAT and ESE will be based on the pattern shown in Table (a) and (b)

Table (a) Question Paper pattern for CAT/Model Exam

Test Type	2 Marks	5 Marks	10 Marks	Total Marks
CAT 1 / CAT 2	5(questions) (10 Marks)	4(questions) (20 Marks)	2 (questions) (20 Marks)	50
Model	End Semester Examination Question Pattern			75

Table (b) Question paper pattern for End semester Examination(ESE)

2 Marks	5 Marks	10 Marks	Total Marks
10(20 Marks)	5 (25 Marks) (one question from each unit)	3 (30 Marks) (out of 5 questions, one question from each unit)	75

End Semester Examination Question Paper Pattern for Six Units Courses

Course	2 Mark	5 Mark	8 / 9 Mark	Total Marks
Part A	5	2 (out of 3 questions, one from each unit)	one 8 mark question (out of 2 questions from Unit I and Unit II)	37
			One 9 mark question (compulsory question from unit III)	
Part B	5	2 (out of 3 questions, one from each unit)	Two 9 mark questions (out of 3 questions from IV, V & VI)	38

Requirements for Appearing End Semester Examination

A student is expected to maintain 100% attendance in all courses as attendance also carries internal marks. A student will be qualified to appear for end semester examinations of a semester only if he/she satisfies the below mentioned requirements.

The student is permitted to appear for End Semester Examinations, only if he/she maintains minimum 75% of attendance. If he/she secured attendance greater than or equal to 60 % and less than 75 % has to pay the necessary condonation prescribed by the college authority with necessary supporting documents for his/her absence.

Redo Category

A student who secures overall attendance less than 60% has to repeat the course with the approval, when it is next offered. A student secures attendance greater than or equal to 60% and less than 75% will be promoted to next higher semester only if lapse of attendance is due to medical reasons (hospitalization/ accident/illness) or participation in sports event or any competitions or NCC or NSS activities with prior permission from the Head of Institution through the Head of the department with necessary supporting documents and payment of necessary condonation fee as prescribed by the college authority. However, student secures more than 75 % of attendance in the current semester will be moved to next higher semester only if he/she registered for the current semester examinations.

Women Empowerment Cell

For the Welfare of the girl students, a Women Cell has been constituted in the college. The girl students may approach the member secretary for assistance.

Mail id : wec@smvec.ac.in

Grievance Redressal Committee

There is a Grievance Redressal committee in our college and the details are available in the website. Students can approach the member of the committee to redress their grievances if any. Mail id : grievance@smvec.ac.in

Internal Complaints Committee

The objective of this committee is to avoid sexual harassment of students and women employees in the college by preventing it, recording complaints, and taking appropriate action in response. It also aims to eliminate gender-based discrimination by creating a safe physical and social environment that deters sexual harassment and enforcing the necessary disciplinary actions. For complaints : Mail id : icc@smvec.ac.in

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)

(Accredited by NBA-AICTE, New Delhi and Accredited by NAAC with "A" Grade)

Madagadipet, Puducherry - 605 107



Academic Calendar

June 2025 to November 2025

Programme / Regulations: B. Tech / R-2020

Year / Sem: IV year / VII Sem

About Autonomous

Sri Manakula Vinayagar Engineering College has been conferred with Autonomous Status by the University Grants Commission on 26th September 2019 and the same was approved by Pondicherry University on 19th June 2020.

VISION

To be globally recognized for excellence in quality education, innovation and research for the transformation of lives to serve the society.

MISSION

M1: Quality Education: To provide comprehensive academic system that amalgamates the cutting edge technologies with best practices.

M2: Research and Innovation: To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.

M3: Employability and Entrepreneurship: To inculcate the employability and entrepreneurial skills through value and skill based training.

M4: Ethical Values: To instill deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.



June 2025				July 2025				August 2025				September 2025				October 2025				November 2025						
Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day	Date	Day	Schedule	Working Day			
1	Sun		Holiday	1	Tue			13	1	Fri	Submission of Attendance & Assessment Record	38	1	Mon	CAT 2 starts (1 st & 2 nd hour)	60	1	Wed	Saraswathy Pooja	Holiday	1	Sat		Holiday		
2	Mon			2	Wed			14	2	Sat			2	Tue	CAT 2 (1 st & 2 nd hour)	61	2	Thu	Gandhi Jayanthi	Holiday	2	Sun		Holiday		
3	Tue			3	Thu			15	3	Sun			3	Wed	CAT 2 (1 st & 2 nd hour)	62	3	Fri			3	Mon	Tentative ESE Theory			
4	Wed			4	Fri			16	4	Mon	Submission of CAT 1 Result Analysis	39	4	Thu	CAT 2 (1 st & 2 nd hour)	63	4	Sat			4	Tue				
5	Thu			5	Sat				5	Tue		40	5	Fri	Miladi Nabi	Holiday	5	Sun			5	Wed				
6	Fri			6	Sun				6	Wed		41	6	Sat						6	Mon	Tentative Model Practical Exam Starts	84	6	Thu	
7	Sat	Bakrid	Holiday	7	Mon			17	7	Thu		42	7	Sun						7	Tue					
8	Sun		Holiday	8	Tue			18	8	Fri		43	8	Mon	CAT 2 (1 st & 2 nd hour)	64	8	Wed			8	Sat				
9	Mon			9	Wed			19	9	Sat		44	9	Tue	CAT 2 Ends (1 st & 2 nd hour)	65	9	Thu			9	Sun				
10	Tue			10	Thu			20	10	Sun			10	Wed		66	10	Fri			10	Mon		Holiday		
11	Wed			11	Fri			21	11	Mon		45	11	Thu	Submission of Attendance & Assessment Record	67	11	Sat	Tentative Model Practical Exam Ends / Last Working Day		11	Tue				
12	Thu			12	Sat			22	12	Tue		46	12	Fri	Submission of CAT 2 Result Analysis	68	12	Sun			12	Wed				
13	Fri			13	Sun				13	Wed		47	13	Sat		69	13	Mon	Tentative ESE Practical starts		13	Thu				
14	Sat			14	Mon			23	14	Thu		48	14	Sun			14	Tue			14	Fri				
15	Sun		Holiday	15	Tue			24	15	Fri	Independence Day	Holiday	15	Mon	Innovator's Day Online Feedback – 3	70	15	Wed	Submission of Attendance & Assessment Record		15	Sat		Holiday		
16	Mon	Commencement of Classes of VII sem	1	16	Wed			25	16	Sat	De Jure Transfer Day	Holiday	16	Tue	Assignment – 3	71	16	Thu	Declaration of Attendance / Internal Assessment		16	Sun		Holiday		
17	Tue		2	17	Thu	Project Phase I – 1 st Review		26	17	Sun			17	Wed	Submission of QCM-3/Syllabus Coverage	72	17	Fri			17	Mon				
18	Wed		3	18	Fri	Online Feedback - 1		27	18	Mon		49	18	Thu	Project Phase I – 3 rd Review	73	18	Sat			18	Tue				
19	Thu		4	19	Sat				19	Tue		50	19	Fri		74	19	Sun			19	Wed				
20	Fri		5	20	Sun				20	Wed		51	20	Sat			20	Mon	Deepavali		20	Thu				
21	Sat		Holiday	21	Mon	Assignment -1		28	21	Thu		52	21	Sun			21	Tue	Tentative ESE Practical Ends		21	Fri				
22	Sun		Holiday	22	Tue	Submission of QCM-1/Syllabus Coverage		29	22	Fri	Project Phase I – 2 nd Review	53	22	Mon		75	22	Wed			22	Sat				
23	Mon		6	23	Wed	Completion of 1 st unit & 1 st half of the 2 nd unit		30	23	Sat	Online Feedback -2	54	23	Tue	Completion of all 5 units	76	23	Thu			23	Sun		Holiday		
24	Tue		7	24	Thu	CAT 1 starts (1 st & 2 nd hour)		31	24	Sun			24	Wed	Model Exam Starts	77	24	Fri			24	Mon				
25	Wed		8	25	Fri	CAT 1 (1 st & 2 nd hour)		32	25	Mon	Assignment -2	55	25	Thu		78	25	Sat			25	Tue				
26	Thu		9	26	Sat	CAT 1 (1 st & 2 nd hour)		33	26	Tue	Submission of QCM-2/Syllabus Coverage	56	26	Fri		79	26	Sun			26	Wed				
27	Fri	Project Phase I – Zeroth Review	10	27	Sun				27	Wed	Vinayagar Chaturthi	Holiday	27	Sat		80	27	Mon			27	Thu				
28	Sat		11	28	Mon	CAT 1 (1 st & 2 nd hour)		34	28	Thu		57	28	Sun			28	Tue			28	Fri				
29	Sun		Holiday	29	Tue	CAT 1 (1 st & 2 nd hour)		35	29	Fri		58	29	Mon		81	29	Wed			29	Sat				
30	Mon		12	30	Wed	CAT 1 Ends (1 st & 2 nd hour)		36	30	Sat	Completion of 2 nd half of the 2 nd unit & 3 unit	59	30	Tue	Model Exam Ends	82	30	Thu			30	Sun		Holiday		
				31	Thu			37	31	Sun							31	Fri								
Total number of working days :12				Total number of working days: 25				Total number of working days: 22				Total number of working days: 23				Total number of working days: 07				Total number of working days:00						
Total number of holidays :03				Total number of holidays: 06				Total number of holidays: 09				Total number of holidays: 07				Total number of holidays: 04				Total number of holidays:00						

*The calendar schedule includes the time period for the completion of 2 ethnotec courses ,from Commencement of classes to Model exam

*The calendar schedule includes the time period for the completion of 2 ethnotec courses ,from Commencement of classes to Model exam

Annexure – VIII
Details of Professional and Open Elective
courses offered under R-2020 and R-2023



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MADAGADIPET, PUDUCHERRY - 605 107



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

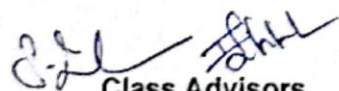
DETAILS OF OPEN ELECTIVE - I COURSE

ODD SEMESTER - JUNE 2025 TO NOV 2025

BATCH: 2023-2027

Year/Sem/Sec: III / V/ A & B

SL.NO	NAME OF THE COURSE	COURSE CODE	NO. OF STUDENTS OPTED
1.	New Product Development .	U23HSOC02	54
2.	Marketing Management	U23HSOC05	54
Total No. of Students			108


Class Advisors
(1.S.John Powl)
(2.I.Shivasankkar)


HoD
(Dr.P.Jamuna)


Dean Academics
(Dr.S.Anbumalar)


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



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF OPEN ELECTIVE - I COURSE

BATCH: 2023-2027

Year/Sem/Sec: III / V / A & B

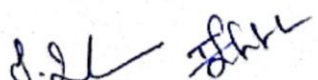
Name of the Open Elective: New Product Development

Course Code: U23HSOC02

SL.NO	ENROLL NUMBER	REGISTER NUMBER	STUDENT NAME	SECTION
1.	240101	23EEL001	AHARIHARAN V	A
2.	240062	23EEL002	HARISH.D	B
3.	240602	23EEL003	RAHUL P	A
4.	240399	23EEL004	SHYLENDHER T	A
5.	230128	23UEE001	ABDUL SALEEM A	B
6.	230218	23UEE002	ABINAYA V	A
7.	230876	23UEE003	AJAIY R	A
8.	230197	23UEE005	ANANTHA SOUNDARYA E	B
9.	230275	23UEE006	ANBAZHAGAN B	B
10.	231507	23UEE009	ARUNESH E	B
11.	230282	23UEE010	ASHOKKUMAR G	A
12.	231282	23UEE011	ASWIN DHAYAL S	B
13.	231470	23UEE015	AYISHU A	A
14.	231475	23UEE017	BALAJI RAM S	A
15.	231186	23UEE019	BARANIDHARAN K	A
16.	230322	23UEE022	DEVAGURU S	B
17.	230381	23UEE023	DEVANADAN K	A
18.	230195	23UEE024	DHANUJA S	B
19.	230938	23UEE026	DIVYA R	A
20.	230920	23UEE027	DIVYADHARSHINI N	B
21.	230104	23UEE029	FAHIM AHMAD F	B
22.	230394	23UEE030	FAYAS FAZIL A	B
23.	230236	23UEE031	GAUSHIK ADHIBAN E	A
24.	230170	23UEE032	GOKELA S	B
25.	230400	23UEE035	GOUTHAM G	A
26.	230072	23UEE036	GOWTHAM D	B



27.	230142	23UEE041	HITESH S	B
28.	231307	23UEE042	ISREYA B	A
29.	231455	23UEE045	JAIADITHYAN V	A
30.	230210	23UEE050	KIRUTHIK RAJ D	A
31.	230183	23UEE052	LAVANYA K	B
32.	231288	23UEE053	MADHANGOPAL I	B
33.	230401	23UEE059	MATHIYARASAN T	A
34.	231354	23UEE060	MINU S	A
35.	231499	23UEE064	NEERAJA J L	A
36.	231257	23UEE072	PRIYANKA J	B
37.	230314	23UEE075	RAGUL M	B
38.	231264	23UEE076	RAGUL M	B
39.	231441	23UEE077	RAJA SABARI V	A
40.	230169	23UEE080	REEGAN P	B
41.	230561	23UEE081	ROUBAN A	A
42.	230255	23UEE084	SANDHIYA G	A
43.	230467	23UEE085	SANTOSH B B	A
44.	231009	23UEE086	SELVA RAHUL S	A
45.	230176	23UEE087	SHIBU B	B
46.	230079	23UEE088	SHREE KANTH T	A
47.	230280	23UEE092	SOWMYA M	A
48.	231258	23UEE093	SRI ROSHAN R	B
49.	230246	23UEE096	SUGHI R	A
50.	230940	23UEE102	THEJESHWAR RAJA S	B
51.	231230	23UEE104	VAHEENDRANE R	A
52.	231026	23UEE105	VASANTHAKUMAR S	A
53.	230224	23UEE106	VINAYAGAMOORTHY A	B
54.	230456	23UEE107	VISHNUVARTHAN A	B


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**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
DETAILS OF OPEN ELECTIVE - I COURSE**

BATCH: 2023-2027

Year/Sem/Sec: III / V / A & B

Name of the Open Elective: Marketing Management

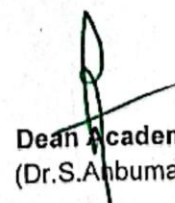
Course Code: U23HSOC05

SL.NO.	ENROLL NUMBER	REGISTER NUMBER	STUDENT NAME	SECTION
1.	230346	23UEE004	AKASH V	A
2.	231293	23UEE007	ANGALAN A	B
3.	231481	23UEE008	ARUNACHALAM R	A
4.	230226	23UEE012	ATCHAYA S	B
5.	231274	23UEE013	ATCHAYAKUMAR S	A
6.	230058	23UEE014	AVINASH K	B
7.	231450	23UEE016	BALAJI A	B
8.	231519	23UEE020	BARATH S	B
9.	230090	23UEE021	CHATHENYA S	B
10.	231341	23UEE025	DHARANIKUMAR B	A
11.	231536	23UEE028	ELANCHEZHIAN S	B
12.	230987	23UEE033	GOKUL V	A
13.	230512	23UEE037	GOWTHAMA GHUGAN S	B
14.	231577	23UEE038	GUNANIDHI R	A
15.	231223	23UEE039	HARIHARAAN S	B
16.	230958	23UEE043	IYYANAR D	B
17.	230165	23UEE044	IYYAPADASS R	B
18.	230581	23UEE046	KAMESH V	B
19.	231531	23UEE047	KANAKADURGA B	B
20.	230163	23UEE048	KARTHIK I	B
21.	230155	23UEE049	KAVYAA K	B
22.	231337	23UEE051	KISHORE KUMAR S	B
23.	230096	23UEE054	MADONNA E	B
24.	231569	23UEE055	MAHALAXSHMI M	A
25.	230909	23UEE056	MALARAVAN M	A

26.	230118	23UEE057	MANIMURUGAN A	A
27.	230180	23UEE058	MANOJ KUMAR M	A
28.	230191	23UEE061	MOHAMMED FAROOK A	A
29.	231292	23UEE062	MOULEESWAR B	B
30.	230235	23UEE063	NANDHAKUMAR S	A
31.	230152	23UEE065	NIRANJAL VEERAN K	A
32.	230136	23UEE066	NITHISH M	A
33.	230233	23UEE067	OVIYA S	B
34.	230227	23UEE068	PADMASRI G	A
35.	230188	23UEE069	POOJA A	A
36.	230764	23UEE070	PRIYADHARSHINI I	A
37.	231124	23UEE071	PRIYADHARSHINI M	B
38.	230796	23UEE073	PUGAZHENDIRAN N	A
39.	230901	23UEE074	PUSHPARAJ V	A
40.	230457	23UEE078	RANJITH D	A
41.	230131	23UEE079	RANZEEITH R	A
42.	231246	23UEE082	RUTHIRA V	A
43.	230274	23UEE083	SACHIN V	B
44.	231363	23UEE089	SIVARAJ P	B
45.	230231	23UEE090	SIVASURYA S	A
46.	230822	23UEE091	SIVAVEL K	A
47.	230150	23UEE094	SUBATHRAN M R	A
48.	230451	23UEE095	SUBHASRI P	A
49.	230245	23UEE097	SURENDAR K	B
50.	230858	23UEE099	SWETHA P	B
51.	230340	23UEE100	TEENESHWAR B	B
52.	231319	23UEE101	THAMIZHARASU E	B
53.	231516	23UEE103	THIRUMURUGAN V	B
54.	231480	23UEE108	YAMUNA E	A


Class Advisors
 (1.S.John Powl)
 (2.I.Shivasankkar)


HoD
 (Dr.P.Yamuna)


Dean Academics
 (Dr.S.Anbumalar)


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



**SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE**

(AN AUTONOMOUS INSTITUTION)
(APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO PONDICHERRY UNIVERSITY)
(ACCREDITED BY NBA-AICTE, NEW DELHI, ACCREDITED BY NAAC WITH 'A' GRADE)
MADAGADIPET, PUDUCHERRY - 605 107



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE - II COURSE

ODD SEMESTER - JUNE 2025 TO NOV 2025

BATCH: 2023-2027

Year/Sem/Sec: III / V / A & B

SL.NO	NAME OF THE COURSE	COURSE CODE	NO. OF STUDENTS OPTED
1.	Utilization of Electrical Energy	U23EEE506	53
2.	Automotive Electronics for Electrical Engineering	U23EEE509	55
Total No. of Students			108

Class Advisors
(1.S.John Powl)
(2.I.Shivasankkar)



HoD
(Dr.P.Jamuna)



Dean Academics
(Dr.S.Anbumalar)



Director cum Principal
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
DETAILS OF PROFESSIONAL ELECTIVE - II COURSE

BATCH: 2023-2027

Year/Sem/Sec: III / V / A & B

Name of the Professional Elective: Automotive Electronics for Electrical Engineering

Course Code: U23EEE509

SL.NO.	ENROLL NUMBER	REGISTER NUMBER	STUDENT NAME	SECTION
1.	240062	23EEL002	HARISH.D	B
2.	230128	23UEE001	ABDUL SALEEM A	B
3.	230876	23UEE003	AJAIY R	A
4.	230346	23UEE004	AKASH V	A
5.	231293	23UEE007	ANGALAN A	B
6.	230226	23UEE012	ATCHAYA S	B
7.	230058	23UEE014	AVINASH K	B
8.	231470	23UEE015	AYISHU A	A
9.	231450	23UEE016	BALAJI A	B
10.	231186	23UEE019	BARANIDHARAN K	A
11.	231519	23UEE020	BARATH S	B
12.	230322	23UEE022	DEVAGURU S	B
13.	231341	23UEE025	DHARANIKUMAR B	A
14.	230938	23UEE026	DIVYA R	A
15.	231536	23UEE028	ELANCHEZHIAN S	B
16.	230987	23UEE033	GOKUL V	A
17.	230400	23UEE035	GOUTHAM G	A
18.	230072	23UEE036	GOWTHAM D	B
19.	230512	23UEE037	GOWTHAMA GHUGAN S	B
20.	231577	23UEE038	GUNANIDHI R	A
21.	230142	23UEE041	HITESH S	B
22.	231307	23UEE042	ISREYA B	A
23.	230958	23UEE043	IYYANAR D	B
24.	230165	23UEE044	IYYAPADASS R	B
25.	230581	23UEE046	KAMESH V	B



26.	230155	23UEE049	KAVYAA K	B
27.	230210	23UEE050	KIRUTHIK RAJ D	A
28.	231337	23UEE051	KISHORE KUMAR S	B
29.	230183	23UEE052	LAVANYA K	B
30.	231288	23UEE053	MADHANGOPAL I	B
31.	231569	23UEE055	MAHALAXSHMI M	A
32.	230180	23UEE058	MANOJ KUMAR M	A
33.	230401	23UEE059	MATHIYARASAN T	A
34.	231292	23UEE062	MOULEESWAR B	B
35.	230235	23UEE063	NANDHAKUMAR S	A
36.	230233	23UEE067	OVIYA S	B
37.	230227	23UEE068	PADMASRI G	A
38.	230188	23UEE069	POOJA A	A
39.	231124	23UEE071	PRIYADHARSHINI M	B
40.	230314	23UEE075	RAGUL M	B
41.	231264	23UEE076	RAGUL M	B
42.	230131	23UEE079	RANZEEITH R	A
43.	231246	23UEE082	RUTHIRA V	A
44.	230274	23UEE083	SACHIN V	B
45.	230176	23UEE087	SHIBU B	B
46.	231363	23UEE089	SIVARAJ P	B
47.	230231	23UEE090	SIVASURYA S	A
48.	230822	23UEE091	SIVAVEL K	A
49.	231258	23UEE093	SRI ROSHAN R	B
50.	230150	23UEE094	SUBATHRAN M R	A
51.	230245	23UEE097	SURENDAR K	B
52.	230858	23UEE099	SWETHA P	B
53.	231319	23UEE101	THAMIZHARASU E	B
54.	231516	23UEE103	THIRUMURUGAN V	B
55.	231230	23UEE104	VAHEENDRANE R	A


Class Advisors
 (1.S.John Powl)
 (2.I.Shivasankkar)


HoD
 (Dr.R.Jamuna)


Dean Academics
 (Dr.S.Anbumalar)


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



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE - II COURSE

BATCH: 2023-2027

Year/Sem/Sec: III / V / A & B

Name of the Professional Elective: Utilization of Electrical Energy

Course Code: U23EEE506

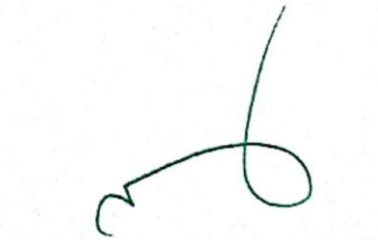
SL.NO	ENROLL NUMBER	REGISTER NUMBER	STUDENT NAME	SECTION
1.	240101	23EEL001	AHARIHARAN V	A
2.	240602	23EEL003	RAHUL P	A
3.	240399	23EEL004	SHYLENDHER T	A
4.	230218	23UEE002	ABINAYA V	A
5.	230197	23UEE005	ANANTHA SOUNDARYA E	B
6.	230275	23UEE006	ANBAZHAGAN B	B
7.	231481	23UEE008	ARUNACHALAM R	A
8.	231507	23UEE009	ARUNESH E	B
9.	230282	23UEE010	ASHOKKUMAR G	A
10.	231282	23UEE011	ASWIN DHAYAL S	B
11.	231274	23UEE013	ATCHAYAKUMAR S	A
12.	231475	23UEE017	BALAJI RAM S	A
13.	230090	23UEE021	CHATHENYA S	B
14.	230381	23UEE023	DEVANADAN K	A
15.	230195	23UEE024	DHANUJA S	B
16.	230920	23UEE027	DIVYADHARSHINI N	B
17.	230104	23UEE029	FAHIM AHMAD F	B
18.	230394	23UEE030	FAYAS FAZIL A	B
19.	230236	23UEE031	GAUSHIK ADHIBAN E	A
20.	230170	23UEE032	GOKELA S	B
21.	231223	23UEE039	HARIHARAAN S	B
22.	231455	23UEE045	JAIADITHYAN V	A
23.	231531	23UEE047	KANAKADURGA B	B
24.	230163	23UEE048	KARTHIK I	B
25.	230096	23UEE054	MADONNA E	B
26.	230909	23UEE056	MALARAVAN M	A

27.	230118	23UEE057	MANIMURUGAN A	A
28.	231354	23UEE060	MINU S	A
29.	230191	23UEE061	MOHAMMED FAROOK A	A
30.	231499	23UEE064	NEERAJA J L	A
31.	230152	23UEE065	NIRANJAL VEERAN K	A
32.	230136	23UEE066	NITHISH M	A
33.	230764	23UEE070	PRIYADHARSHINI I	A
34.	231257	23UEE072	PRIYANKA J	B
35.	230796	23UEE073	PUGAZHENDIRAN N	A
36.	230901	23UEE074	PUSHPARAJ V	A
37.	231441	23UEE077	RAJA SABARI V	A
38.	230457	23UEE078	RANJITH D	A
39.	230169	23UEE080	REEGAN P	B
40.	230561	23UEE081	ROUBAN A	A
41.	230255	23UEE084	SANDHIYA G	A
42.	230467	23UEE085	SANTOSH B B	A
43.	231009	23UEE086	SELVA RAHUL S	A
44.	230079	23UEE088	SHREE KANTH T	A
45.	230280	23UEE092	SOWMYA M	A
46.	230451	23UEE095	SUBHASRI P	A
47.	230246	23UEE096	SUGHI R	A
48.	230340	23UEE100	TEENESHWAR B	B
49.	230940	23UEE102	THEJESHWAR RAJA S	B
50.	231026	23UEE105	VASANTHAKUMAR S	A
51.	230224	23UEE106	VINAYAGAMOORTHY A	B
52.	230456	23UEE107	VISHNUVARTHAN A	B
53.	231480	23UEE108	YAMUNA E	A


Class Advisors
 (1.S.John Powl)
 (2.I.Shivasankkar)


HOD
 (Dr. P. Jamuna)


Dean Academics
 (Dr. S. Anbumalar)


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



SRI MANAKULA VINAYAGAR
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25
YEARS

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF OPEN ELECTIVE COURSE
ODD SEMESTER- JUNE 2025 TO OCT 2025

BATCH: 2022-2026

Year/Sem/Sec: IV/VII A & B

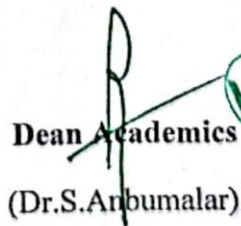
SL.NO	NAME OF THE COURSE	COURSE CODE	NO.OF STUDENTS OPTED
1.	Internet of Things	U20ECCM04	52
2.	Artificial Intelligence Applications	U20ADO706	55
Total No. of Students:			107


Class Advisor

(1.G.Rajavel)
(2.Dr.D.Sivaraj)


HoD

(Dr.P.Jamuna)


Dean Academics

(Dr.S.Arbumalar)


Director cum Principal

(Dr.V.S.K.Venketachalapathy)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF OPEN ELECTIVE COURSE

BATCH: 2022-2026

Year/Sem/Sec: IV/VII A & B

Name of the Open Elective: Internet of Things

Course Code: U20ECCM04

SL.NO	ENROLL NUMBER	REGISTER NUMBER	NAME OF THE STUDENTS	SECTION
1.	230055	22EEL001	BALAJI L	A
2.	230145	22EEL005	KARTHIKEYAN M	A
3.	221212	22UEE003	AKASH KUMAR N	B
4.	220650	22UEE004	AKASH N	B
5.	221578	22UEE005	ANANDHARAMAN V	A
6.	221666	22UEE007	AROKIA ANANDU PRASANTHU A	A
7.	221712	22UEE009	ARUNPRADAAP S	A
8.	220546	22UEE010	ASHWIN KUMAR S	A
9.	220839	22UEE011	ASWIN KUMAR A	A
10.	220618	22UEE012	ASWITHA R	A
11.	220897	22UEE018	DHINISH N	B
12.	222026	22UEE019	DHIVIYA S	B
13.	221476	22UEE021	GOKULARAMANANE M.S	A
14.	220416	22UEE022	GOKULRAJ R	A
15.	220470	22UEE024	GOPIKRISHNAN P	A
16.	220630	22UEE027	HARINI L	B
17.	221592	22UEE028	HEMACHANDASANAM S	B
18.	220752	22UEE031	IYYAPPAN R	B
19.	220641	22UEE032	JAYALAKSHMI L	B
20.	222010	22UEE033	JEEVITHAA D	A
21.	220879	22UEE034	JENI K	A
22.	220901	22UEE036	KARTHIKRAJA S	B
23.	221414	22UEE037	KAVIMANJARI L	A
24.	222130	22UEE038	KEERTHANA G M	B
25.	222124	22UEE042	LAVANYA M	B

26.	222136	22UEE043	MADHAN A	B
27.	220515	22UEE044	MADHAN S	B
28.	220620	22UEE047	MATHAN M	A
29.	220742	22UEE050	MOHAMED HARUN RASHEED S	B
30.	220411	22UEE053	MURUGAN T	B
31.	222062	22UEE058	PARAMESH S	A
32.	220771	22UEE063	PRAVEEN G	B
33.	220495	22UEE065	RAAKESH K	A
34.	221048	22UEE066	RAGUL A	A
35.	221402	22UEE068	RAJANAGESHVARAN M	B
36.	220541	22UEE071	RAMKUMAR S	A
37.	221736	22UEE074	REBEKKAK.R	A
38.	221001	22UEE075	REESHMA R	B
39.	221424	22UEE077	SAKTHISHWARI S	B
40.	221217	22UEE079	SANJAY U	B
41.	220431	22UEE081	SELVAM S	B
42.	222069	22UEE082	SHARAN KUMAR M	A
43.	220599	22UEE083	SIVAPOTHIS ALIAS KALICHARAN M	A
44.	221643	22UEE084	SRILOGESHWARAN S	A
45.	220540	22UEE085	SURYAPRAKASH B	B
46.	221023	22UEE090	THIRUVENGADAM P	A
47.	220429	22UEE091	THOGESH M	B
48.	220627	22UEE092	UNILKUMAR D	A
49.	220545	22UEE095	VIDHYA DHARSHINI S	A
50.	220724	22UEE096	VIDHYASRI S	A
51.	221005	22UEE097	VIGNESH V	A
52.	220621	22UEE102	YUGANIGAN J	B


Class Advisor

(1.G.Rajavel)
(2.Dr.D.Sivaraj)


HoD

(Dr.P.Jamuna)


Dean Academics

(Dr.S.Anbumalar)


Director cum Principal

(Dr.V.S.K.Venketachalopathy)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF OPEN ELECTIVE COURSE

BATCH: 2022-2026

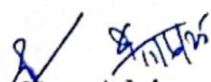
Year/Sem/Sec: IV/VII A & B

Name of the Open Elective: Artificial Intelligence Applications

Course Code: U20ADO706

SL.NO	ENROLL NUMBER	REGISTER NUMBER	NAME OF THE STUDENTS	SECTION
1.	230209	22EEL002	BHARATHKUMAR S	B
2.	231378	22EEL003	GIRIDHARAN R	B
3.	230329	22EEL004	JAYAKUMAR S	A
4.	231143	22EEL006	PADMASEELAN K	B
5.	230752	22EEL007	RAMPRASATH M	B
6.	220556	22UEE001	ABHINAYAA M	A
7.	220408	22UEE002	AFRENA A	A
8.	220608	22UEE008	ARUNAISH R	B
9.	220883	22UEE013	BALAKUMARAN A	A
10.	221257	22UEE014	BARANI DHARAN A	B
11.	220790	22UEE015	CALLIS JOSEPH E	A
12.	222096	22UEE016	CHANDRU A	B
13.	220881	22UEE017	DHANA VEERANESH J	B
14.	221134	22UEE020	GANESH C	B
15.	220873	22UEE023	GOPIKA J	B
16.	222079	22UEE025	GOPINATH B	B
17.	220523	22UEE026	HARINEE P	A
18.	221455	22UEE029	HERWIN W	A
19.	220832	22UEE030	ISHWARYA LAKSHMI S	A
20.	220369	22UEE035	KARMUKILAN A	B
21.	221785	22UEE039	KUSHAAN ANAND	A
22.	220967	22UEE040	LALITH KUMAR S	A
23.	220576	22UEE041	LATHIKAA V	A

24.	221002	22UEE045	MADHAV V	B
25.	220820	22UEE046	MAHESH R	B
26.	221740	22UEE048	MOHAMAD KASEEM M	B
27.	221677	22UEE049	MOHAMED ABDUL KALAM.K	B
28.	221636	22UEE051	MONIKA D	B
29.	220962	22UEE052	MUKESHKUMAR R	A
30.	220558	22UEE054	NATHESH N B	B
31.	220680	22UEE055	NAVEENKUMAR D	A
32.	220921	22UEE056	NIVETHITHA B	A
33.	220795	22UEE057	PAMPANA KARUNA PRABHAS	B
34.	221627	22UEE059	PAVINTHRAN U	A
35.	221070	22UEE060	POOJA R	B
36.	220681	22UEE061	POOJITHA.A	A
37.	220440	22UEE062	PRASANAA K	A
38.	220526	22UEE064	PUGAZH SELVAN P	A
39.	220679	22UEE067	RAGUL V	A
40.	220931	22UEE069	RAJESH M	A
41.	220923	22UEE070	RAMESHKUMAR P	B
42.	220456	22UEE072	RAMYA S	B
43.	222084	22UEE073	RANDHIGA L	B
44.	220793	22UEE076	SAILESHWAR T	B
45.	220936	22UEE078	SANCHI VENKATESH	A
46.	222025	22UEE080	SARULATHA T	B
47.	220928	22UEE086	THARANI S	A
48.	220723	22UEE087	THARANITHARAN M	B
49.	220528	22UEE088	THILIPAN SIVA HARI S	B
50.	222064	22UEE089	THIRISHA N	A
51.	222093	22UEE093	VARSINEE S	B
52.	220992	22UEE094	VARUNESH S	A
53.	220789	22UEE098	VIJAY A	B
54.	220360	22UEE099	VISHVA P	A
55.	220979	22UEE101	YUGANDIRAN R	A


Class Advisor

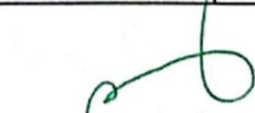
(1.G.Rajavel)
(2.Dr.D.Sivaraj)


HoD

(Dr.P.Jamuna)


Dean Academics

(Dr.S.Anbumalar)


Director cum Principal

(Dr.V.S.K.Venketachalapathy)



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
WISDOM BETTER KNOWLEDGE BETTER FUTURE



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

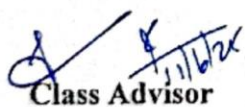
DETAILS OF PROFESSIONAL ELECTIVE COURSE

ODD SEMESTER- JUNE 2025 TO OCT 2025

BATCH: 2022-2026

Year/Sem/Sec: IV/VII A & B

SL.NO	NAME OF THE COURSE	COURSE CODE	NO.OF STUDENTS OPTED
1.	Fuzzy Logic and Neural Networks	U20ICCM01	52
2.	Special Electrical Machines	U20EEE720	55
Total No. of Students:			107


Class Advisor

(1.G.Rajavel)
(2.Dr.D.Sivaraj)


HoD

(Dr.P.Jamuna)


Dean Academics

(Dr.S.Anbumalar)



Director cum Principal

(Dr.V.S.K.Venketachalapathy)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE COURSE

BATCH: 2022-2026

Year/Sem/Sec: IV/VII A & B

Name of the Professional Elective: Fuzzy Logic and Neural Networks

Course Code: U20ICCM01

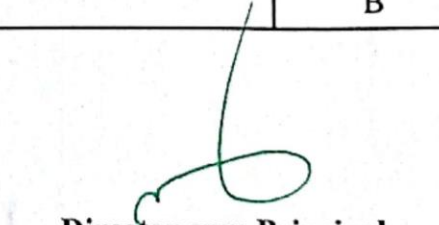
SL.NO	ENROLL NUMBER	REGISTER NUMBER	NAME OF THE STUDENTS	SECTION
1	230055	22EEL001	BALAJI L	A
2	220556	22UEE001	ABHINAYAA M	A
3	220650	22UEE004	AKASH N	B
4	221578	22UEE005	ANANDHARAMAN V	A
5	221666	22UEE007	AROKIA ANANDU PRASANTHU A	A
6	221712	22UEE009	ARUNPRADAAP S	A
7	220546	22UEE010	ASHWIN KUMAR S	A
8	220618	22UEE012	ASWITHA R	A
9	221257	22UEE014	BARANI DHARAN A	B
10	220790	22UEE015	CALLIS JOSEPH E	A
11	222096	22UEE016	CHANDRU A	B
12	220881	22UEE017	DHANA VEERANESH J	B
13	220897	22UEE018	DHINISH N	B
14	221476	22UEE021	GOKULARAMANANE M.S	A
15	220416	22UEE022	GOKULRAJ R	A
16	220470	22UEE024	GOPIKRISHNAN P	A
17	221592	22UEE028	HEMACHANDASANAM S	B
18	221455	22UEE029	HERWIN W	A
19	220832	22UEE030	ISHWARYA LAKSHMI S	A
20	220752	22UEE031	IYYAPPAN R	B
21	220641	22UEE032	JAYALAKSHMI L	B
22	222010	22UEE033	JEEVITHAA D	A

23	220879	22UEE034	JENI K	A
24	222130	22UEE038	KEERTHANA G M	B
25	221785	22UEE039	KUSHAAN ANAND	A
26	221002	22UEE045	MADHAV V	B
27	220820	22UEE046	MAHESH R	B
28	220620	22UEE047	MATHAN M	A
29	220962	22UEE052	MUKESHKUMAR R	A
30	220411	22UEE053	MURUGAN T	B
31	222062	22UEE058	PARAMESH S	A
32	220771	22UEE063	PRAVEEN G	B
33	220495	22UEE065	RAAKESH K	A
34	220679	22UEE067	RAGUL V	A
35	221402	22UEE068	RAJANAGESHVARAN M	B
36	220541	22UEE071	RAMKUMAR S	A
37	221736	22UEE074	REBEKKAK R	A
38	221424	22UEE077	SAKTHISHWARI S	B
39	220936	22UEE078	SANCHI VENKATESH	A
40	221217	22UEE079	SANJAY U	B
41	220431	22UEE081	SELVAM S	B
42	222069	22UEE082	SHARAN KUMAR M	A
43	220599	22UEE083	SIVAPOTHIS ALIAS KALICHARAN M	A
44	220540	22UEE085	SURYAPRAKASH B	B
45	220723	22UEE087	THARANITHARAN M	B
46	221023	22UEE090	THIRUVENGADAM P	A
47	220627	22UEE092	UNILKUMAR D	A
48	222093	22UEE093	VARSEEN S	B
49	220545	22UEE095	VIDHYA DHARSHINI S	A
50	220724	22UEE096	VIDHYASRI S	A
51	221005	22UEE097	VIGNESH V	A
52	220621	22UEE102	YUGANIGAN J	B


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE COURSE

BATCH: 2022-2026

Year/Sem/Sec: IV/VII A & B

Name of the Professional Elective: Special Electrical Machines

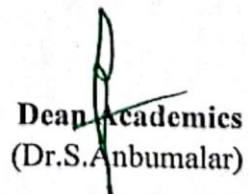
Course Code: U20EEE720

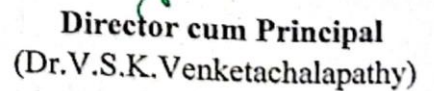
SL.NO	ENROLL NUMBER	REGISTER NUMBER	NAME OF THE STUDENTS	SECTION
1.	230209	22EEL002	BHARATHKUMAR S	B
2.	230329	22EEL004	JAYAKUMAR.S	A
3.	230145	22EEL005	KARTHIKEYAN M	A
4.	231143	22EEL006	PADMASEELAN K	B
5.	230752	22EEL007	RAMPRASATH M	B
6.	231378	22EEL003	GIRIDHARAN R	B
7.	220408	22UEE002	AFRENA A	A
8.	221212	22UEE003	AKASH KUMAR N	B
9.	220608	22UEE008	ARUNAISH R	B
10.	220839	22UEE011	ASWIN KUMAR A	A
11.	220883	22UEE013	BALAKUMARAN A	A
12.	222026	22UEE019	DHIVIYA. S	B
13.	221134	22UEE020	GANESH C	B
14.	220873	22UEE023	GOPIKA J	B
15.	222079	22UEE025	GOPINATH B	B
16.	220523	22UEE026	HARINEE P	A
17.	220630	22UEE027	HARINI L	B
18.	220369	22UEE035	KARMUKILAN A	B
19.	220901	22UEE036	KARTHIKRAJA S	B
20.	221414	22UEE037	KAVIMANJARI L	A
21.	220967	22UEE040	LALITH KUMAR S	A
22.	220576	22UEE041	LATHIKAA V	A
23.	222124	22UEE042	LAVANYA M	B

24.	222136	22UEEO43	MADHAN A	B
25.	220515	22UEEO44	MADHAN S	B
26.	221740	22UEEO48	MOHAMAD KASEEM M	B
27.	221677	22UEEO49	MOHAMED ABDUL KALAM.K	B
28.	220742	22UEEO50	MOHAMED HARUN RASHEED S	B
29.	221636	22UEEO51	MONIKA D	B
30.	220558	22UEEO54	NATHESH N B	B
31.	220680	22UEEO55	NAVEENKUMAR D	A
32.	220921	22UEEO56	NIVETHITHA B	A
33.	220795	22UEEO57	PAMPANA KARUNA PRABHAS	B
34.	221627	22UEEO59	PAVINTHRAN U	A
35.	221070	22UEEO60	POOJA R	B
36.	220681	22UEEO61	POOJITHA A	A
37.	220440	22UEEO62	PRASANAA K	A
38.	220526	22UEEO64	PUGAZH SELVAN P	A
39.	221048	22UEEO66	RAGUL A	A
40.	220931	22UEEO69	RAJESH M	A
41.	220923	22UEEO70	RAMESHKUMAR P	B
42.	220456	22UEEO72	RAMYA S	B
43.	222084	22UEEO73	RANDHIGA L	B
44.	221001	22UEEO75	REESHMA R	B
45.	220793	22UEEO76	SAILESHWAR T	B
46.	222025	22UEEO80	SARULATHA T	B
47.	221643	22UEEO84	SRILOGESHWARAN S	A
48.	220928	22UEEO86	THARANI S	A
49.	220528	22UEEO88	THILIPAN SIVA HARI S	B
50.	222064	22UEEO89	THIRISHA N	A
51.	220429	22UEEO91	THOGESH M	B
52.	220992	22UEEO94	VARUNESH S	A
53.	220789	22UEEO98	VIJAY A	B
54.	220360	22UEEO99	VISHVA P	A
55.	220979	22UEEO101	YUGANDIRAN.R	A


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
DETAILS OF PROFESSIONAL ELECTIVE COURSE

EVEN SEMESTER - DEC 2025 TO APR 2026

BATCH: 2024-2028

Year/Sem/Sec: II/IV/ A & B

SL.NO	NAME OF THE COURSE	COURSE CODE	NO.OF STUDENTS OPTED
1.	Electrical Safety Engineering	U23EEDC01	63
2.	Energy Storage Technology	U23EEE404	62
Total No. of Students:			125

CLASS ADVISOR
(Mr. R. VIGNESH /Mr. B. RAGHUNATH)

HOD/EEE
(DR. P. JAMUNA)

DEAN ACADEMICS
(DR. S. ANBUMALAR)

DIRECTOR CUM PRINCIPAL
(DR. V.S.K. VENKATACHALAPATHY)



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MADAGADIPET, PUDUCHERRY - 605 107



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE COURSE

BATCH: 2024-2028

Year/Sem/Sec: II/IV/A&B

Regulation: R-2023

Name of the Professional Elective: Electrical Safety Engineering

Course Code: U23EEDC01

SL.NO	ENROLL NUMBER	REGISTER NUMBER	NAME OF THE STUDENTS	SECTION
1.	2510709	24EEL001	ABINESH N	II/B
2.	2510710	24EEL002	CHANDRU S	II/A
3.	2510832	24EEL005	KAVIVALAVAN A	II/B
4.	2510246	24EEL006	MANODEEPAN G	II/A
5.	2510548	24EEL008	NAVINRAJ P	II/A
6.	2510425	24EEL011	SANTHOSH KUMAR V	II/A
7.	2510125	24EEL012	STEPHEN RAJ A	II/B
8.	2510831	24EEL014	VISVAJAYARAJ A	II/B
9.	231595	23UEE018	BARANIDHAN N	II/B
10.	240094	24UEE001	AADESH K	II/B
11.	240138	24UEE003	ABDUL ANEES M	II/A
12.	240596	24UEE006	ANBUMANI K	II/A
13.	241831	24UEE008	ARUNACHALAM R	II/B
14.	240155	24UEE009	ARYA R	II/A
15.	241673	24UEE012	AYISHA SIDDIKA I	II/A
16.	241582	24UEE014	BHADRINATH B	II/B
17.	241252	24UEE016	BHUVANESWARAN S	II/B
18.	241612	24UEE017	BUVANESHWARAN V	II/A
19.	240271	24UEE019	DEEPIKA C	II/A
20.	241856	24UEE022	DINESH KUMAR S	II/B
21.	241774	24UEE024	DIVAKAR S	II/A
22.	240213	24UEE026	GANESH S	II/A
23.	240812	24UEE027	GAUTHAM S	II/B
24.	240917	24UEE030	HARISH K	II/B
25.	241844	24UEE031	ILAMSURUTHI V	II/A
26.	240362	24UEE034	JEENA R	II/B
27.	240580	24UEE036	KAPPIASELVAN I	II/A
28.	240922	24UEE037	KARTHIK KISHORE P	II/B
29.	241843	24UEE039	KARTHIKEYAN S	II/A
30.	240304	24UEE041	KAYALVIZHI R	II/B
31.	240751	24UEE043	KIRUPA S	II/B



32.	241284	24UEE046	KOVARTHANAN E	II/B
33.	240342	24UEE048	LOGESHWAR S	II/A
34.	241610	24UEE049	MADHAVAN S	II/B
35.	242043	24UEE051	MEESALA PRAVEEN	II/B
36.	241597	24UEE054	MONIKA SREE A	II/A
37.	240051	24UEE057	NANDHINISHA T	II/B
38.	240015	24UEE058	NAVEEN PRASATH B L	II/A
39.	241899	24UEE061	NOOR MOHAMAD S	II/A
40.	241211	24UEE063	PERATHIPA G	II/B
41.	241635	24UEE064	POORNAPRAKASH K	II/A
42.	240558	24UEE066	PRAVIN	II/B
43.	240085	24UEE068	PREM KUMAR M	II/A
44.	241941	24UEE070	PUSHPALATHA V	II/A
45.	240035	24UEE074	RANGASAMY D	II/A
46.	241684	24UEE075	RAVIVARMA A	II/B
47.	240501	24UEE077	SANJAY R	II/B
48.	241148	24UEE080	SANTHI V	II/A
49.	240145	24UEE082	SATHYA NARAYANAN V	II/A
50.	240198	24UEE084	SELVAKUMARAN V	II/B
51.	240243	24UEE086	SHIIVESH M P	II/A
52.	240426	24UEE087	SHIVANI PRIYAL M	II/B
53.	240110	24UEE090	SIVA PRIYA S	II/B
54.	240598	24UEE092	SIVANESH A	II/B
55.	240020	24UEE093	SIVASUBASHREE U	II/A
56.	241930	24UEE096	SUDARVIZHI B	II/A
57.	240289	24UEE098	SULTHAN BASHA B	II/A
58.	240462	24UEE099	SUNIL	II/B
59.	240202	24UEE102	TANISHKA V	II/B
60.	240096	24UEE104	UDHAYA L	II/B
61.	241214	24UEE106	VINODHA SRI M	II/B
62.	240106	24UEE107	VISHVA M	II/A
63.	240367	24UEE109	VISHWANATH B G	II/A

CLASS ADVISOR

(Mr. R. VIGNESH /Mr. B. RAGHUNATH)

DEAN ACADEMICS

(DR. S. ANBUMALAR)

HOD/EEE

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE COURSE

BATCH: 2024-2028

Year/Sem/Sec: II/IV/A&B

Regulation: R-2023

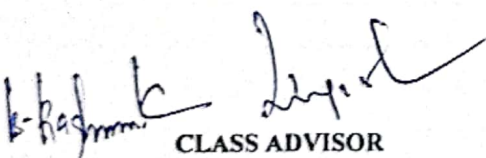
Name of the Professional Elective: Energy Storage Technology

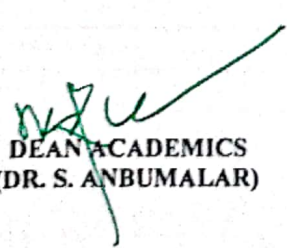
Course Code: U23EEE404

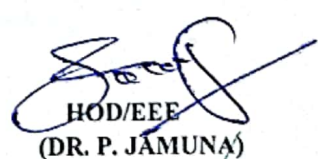
SL.NO	ENROLL NUMBER	REGISTER NUMBER	NAME OF THE STUDENTS	SECTION
1.	2510706	24EEL003	DHARSHINI M	II/B
2.	2510849	24EEL004	JANANARASIMMAN M	II/A
3.	2510280	24EEL007	MOHAMED SAMIR HASAN S	II/A
4.	2510491	24EEL009	RAJAN S	II/A
5.	2510356	24EEL010	SANDEEP RAKWIN I	II/B
6.	2510124	24EEL013	VISHWAJITH R	II/B
7.	230382	23UEE040	HARISH	II/B
8.	241838	24UEE002	ABARANA G	II/A
9.	240239	24UEE004	ABISHEK R	II/B
10.	240190	24UEE005	AISHWARYA K	II/A
11.	240573	24UEE007	ARAVIND V	II/A
12.	240984	24UEE010	ASHOK R	II/B
13.	240165	24UEE011	ATCHAYA S	II/A
14.	240111	24UEE013	BARATH DHARSHAN B	II/A
15.	241141	24UEE015	BHARANIDHARAN G	II/B
16.	241210	24UEE018	CHANDRA SHEKHARAN S	II/A
17.	240314	24UEE020	DEVAKUMAR G	II/B
18.	240622	24UEE021	DHANALAKSHMI S	II/A
19.	241947	24UEE023	DINESHKUMAR V	II/B
20.	240218	24UEE025	DURGA J	II/A
21.	241606	24UEE028	GOKUL S	II/A
22.	241619	24UEE029	GOKULADHARSHINI Z	II/B
23.	241617	24UEE032	JAYAA VARSHINY S	II/B
24.	240615	24UEE033	JAYAVARSHINI J	II/A
25.	241614	24UEE035	KAMESWARAN V	II/B
26.	240154	24UEE038	KARTHIKA S	II/A
27.	240039	24UEE040	KAUSIK PRABANJAN V	II/B
28.	241152	24UEE042	KIRUBAHARAN T	II/B
29.	240214	24UEE044	KISHORE KV	II/B
30.	240048	24UEE045	KISHORE V	II/A
31.	240750	24UEE047	LEENA SHREE T	II/B



32.	240283	24UEE050	MANJU E	II/B
33.	241922	24UEE052	MIDHUN L	II/B
34.	240260	24UEE053	MITHUN KUMAR P	II/A
35.	241978	24UEE056	MUGESH U	II/A
36.	240250	24UEE059	NIKHITHA S	II/B
37.	241257	24UEE060	NITHISH S	II/A
38.	240225	24UEE062	PAVITHRA V	II/A
39.	240065	24UEE065	PRANAVA J S	II/B
40.	241892	24UEE067	PRAWIN A	II/A
41.	240452	24UEE069	PRIYADHARSHINI R	II/A
42.	240231	24UEE071	RACEANDHAR S	II/A
43.	241924	24UEE073	RAJU K	II/B
44.	240528	24UEE076	SADHANA G	II/B
45.	241935	24UEE078	SANJAY R	II/A
46.	240237	24UEE079	SANOFAR H	II/B
47.	242048	24UEE081	SATHIYA R	II/A
48.	240079	24UEE083	SEENU K	II/A
49.	241810	24UEE085	SHAM KUMAR S	II/B
50.	240989	24UEE088	SIDHARTH P P	II/A
51.	241000	24UEE089	SITHARTHAN N	II/B
52.	240431	24UEE091	SIVANE K	II/B
53.	240477	24UEE094	SRISHANTH J S	II/A
54.	240070	24UEE095	SRISHTI DASH	II/B
55.	240554	24UEE097	SUHAINA FARVIN I	II/A
56.	240508	24UEE100	SUSHMITHA P	II/A
57.	240090	24UEE101	SYED MUHAMMAD ASLAM S A	II/B
58.	241536	24UEE103	TARUNIKAA M	II/B
59.	241690	24UEE105	VIJAYAN K	II/B
60.	241931	24UEE108	VISHWA B	II/A
61.	240310	24UEE110	YUVARAJ S	II/A
62.	240310	24UEE111	YUVARAJ S	II/B


CLASS ADVISOR
(Mr. R. VIGNESH /Mr. B. RAGHUNATH)


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE COURSE

EVEN SEMESTER – DECEMBER 2025 to APRIL 2026

BATCH: 2023-2027

Year/Sem/Sec: III / VI / A & B

Regulation: R-2023

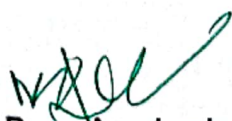
SL.NO	NAME OF THE COURSE	COURSE CODE	NO. OF STUDENTS OPTED
1.	Professional Elective – III: Intelligent Control Techniques for Electrical Applications	U23EEE614	53
2.	Professional Elective – III: Internet of Things for Smart System	U23EEE615	55
Total No. of Students			108

Class Advisors
(Mr. S. John Powl)
(Mr. I. Shivasankkar)



HoD
(Dr. P. Jamuna)



Dean Academics
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DETAILS OF PROFESSIONAL ELECTIVE COURSE

BATCH: 2023-2027

Year/Sem/Sec: III / VI / A & B

Regulation: R-2023

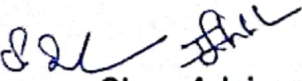
Name of the Professional Elective: Professional Elective – III: Intelligent Control Techniques for Electrical Applications

Course Code: U23EEE614

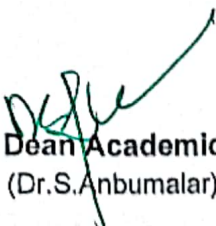
SL.NO	ENROLL NUMBER	REGISTER NUMBER	NAME OF THE STUDENTS	SECTION
1.	240062	23EEL002	HARISH.D	B
2.	230128	23UEE001	ABDUL SALEEM A	B
3.	230346	23UEE004	AKASH V	A
4.	230197	23UEE005	ANANTHA SOUNDARYA E	B
5.	230275	23UEE006	ANBAZHAGAN B	B
6.	231507	23UEE009	ARUNESH E	B
7.	230282	23UEE010	ASHOKKUMAR G	A
8.	231274	23UEE013	ATCHAYAKUMAR S	A
9.	230058	23UEE014	AVINASH K	B
10.	231470	23UEE015	AYISHU A	A
11.	231475	23UEE017	BALAJI RAM S	A
12.	231186	23UEE019	BARANIDHARAN K	A
13.	230322	23UEE022	DEVAGURU S	B
14.	230195	23UEE024	DHANUJA S	B
15.	231341	23UEE025	DHARANIKUMAR B	A
16.	230938	23UEE026	DIVYA R	A
17.	230920	23UEE027	DIVYADHARSHINI N	B
18.	230236	23UEE031	GAUSHIK ADHIBAN E	A
19.	230170	23UEE032	GOKELA S	B
20.	230987	23UEE033	GOKUL V	A
21.	230400	23UEE035	GOUTHAM G	A
22.	231455	23UEE045	JAIADITHYAN V	A
23.	230163	23UEE048	KARTHIK I	B
24.	230155	23UEE049	KAVYAA K	B



25.	230183	23UEE052	LAVANYA K	B
26.	231288	23UEE053	MADHANGOPAL I	B
27.	231569	23UEE055	MAHALAXSHMI M	A
28.	230909	23UEE056	MALARAVAN M	A
29.	230118	23UEE057	MANIMURUGAN A	A
30.	230401	23UEE059	MATHIYARASAN T	A
31.	231354	23UEE060	MINU S	A
32.	230235	23UEE063	NANDHAKUMAR S	A
33.	231499	23UEE064	NEERAJA J L	A
34.	230227	23UEE068	PADMASRI G	A
35.	230188	23UEE069	POOJA A	A
36.	230764	23UEE070	PRIYADHARSHINI I	A
37.	230901	23UEE074	PUSHPARAJ V	A
38.	230457	23UEE078	RANJITH D	A
39.	230169	23UEE080	REEGAN P	B
40.	230561	23UEE081	ROUBAN A	A
41.	231246	23UEE082	RUTHIRA V	A
42.	230274	23UEE083	SACHIN V	B
43.	231009	23UEE086	SELVA RAHUL S	A
44.	230079	23UEE088	SHREE KANTH T	A
45.	231363	23UEE089	SIVARAJ P	B
46.	230231	23UEE090	SIVASURYA S	A
47.	230822	23UEE091	SIVAVEL K	A
48.	231258	23UEE093	SRI ROSHAN R	B
49.	230245	23UEE097	SURENDAR K	B
50.	230858	23UEE099	SWETHA P	B
51.	231319	23UEE101	THAMIZHARASU E	B
52.	230940	23UEE102	THEJESHWAR RAJA S	B
53.	230456	23UEE107	VISHNUVARATHAN A	B


Class Advisors
 (Mr. S. John Powl)
 (Mr. I. Shivasankkar)


HoD
 (Dr. P. Jamuna)


Dean Academics
 (Dr. S. Anbumalar)


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



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MADAGADIPET, PUDUCHERRY - 605 107



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE COURSE

BATCH: 2023-2027

Year/Sem/Sec: III / VI / A & B

Regulation: R-2023

Name of the Professional Elective: Professional Elective – III: Internet of Things for Smart System

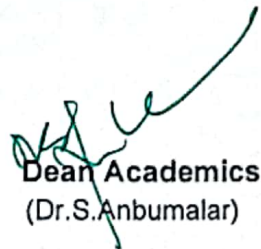
Course Code: U23EEE615

SL.NO	ENROLL NUMBER	REGISTER NUMBER	NAME OF THE STUDENTS	SECTION
1.	240101	23EEL001	AHARIHARAN V ✓	A
2.	240602	23EEL003	RAHUL P ✓	A
3.	240399	23EEL004	SHYLENDHER T ✓	A
4.	230218	23UEE002	ABINAYA V ✓	A
5.	230876	23UEE003	AJAIY R ✓	A
6.	231293	23UEE007	ANGALAN A ✓	B
7.	231481	23UEE008	ARUNACHALAM R ✓	A
8.	231282	23UEE011	ASWIN DHAYAL S ✓	B
9.	230226	23UEE012	ATCHAYA S ✓	B
10.	231450	23UEE016	BALAJI A ✓	B
11.	231519	23UEE020	BARATH S ✓	B
12.	230090	23UEE021	CHATHENYA S ✓	B
13.	230381	23UEE023	DEVANADAN K ✓	A
14.	231536	23UEE028	ELANCHEZHIAN S ✓	B
15.	230104	23UEE029	FAHIM AHMAD F ✓	B
16.	230394	23UEE030	FAYAS FAZIL A ✓	B
17.	230072	23UEE036	GOWTHAM D ✓	B
18.	230512	23UEE037	GOWTHAMA GHUGAN S ✓	B
19.	231577	23UEE038	GUNANIDHI R ✓	A
20.	231223	23UEE039	HARIHARAAN S ✓	B
21.	230142	23UEE041	HITESH S ✓	B
22.	231307	23UEE042	ISREYA B ✓	A
23.	230958	23UEE043	IYYANAR D ✓	B
24.	230165	23UEE044	IYYAPADASS R ✓	B
25.	230581	23UEE046	KAMESH V ✓	B

26.	231531	23UEE047	KANAKADURGA B /	B
27.	230210	23UEE050	KIRUTHIK RAJ D /	A
28.	231337	23UEE051	KISHORE KUMAR S /	B
29.	230096	23UEE054	MADONNA E /	B
30.	230180	23UEE058	MANOJ KUMAR M /	A
31.	230191	23UEE061	MOHAMMED FAROOK A /	A
32.	231292	23UEE062	MOULEESWAR B /	B
33.	230152	23UEE065	NIRANJAL VEERAN K /	A
34.	230136	23UEE066	NITHISH M /	A
35.	230233	23UEE067	OVIYA S /	B
36.	231124	23UEE071	PRIYADHARSHINI M /	B
37.	231257	23UEE072	PRIYANKA J /	B
38.	230796	23UEE073	PUGAZHENDIRAN N /	A
39.	230314	23UEE075	RAGUL M /	B
40.	231264	23UEE076	RAGUL M	B
41.	231441	23UEE077	RAJA SABARI V /	A
42.	230131	23UEE079	RANZEEITH R /	A
43.	230255	23UEE084	SANDHIYA G /	A
44.	230467	23UEE085	SANTOSH B B /	A
45.	230176	23UEE087	SHIBU B /	B
46.	230280	23UEE092	SOWMYA M /	A
47.	230150	23UEE094	SUBATHRAN M R /	A
48.	230451	23UEE095	SUBHASRI P /	A
49.	230246	23UEE096	SUGHI R /	A
50.	230340	23UEE100	TEENESHWAR B /	B
51.	231516	23UEE103	THIRUMURUGAN V /	B
52.	231230	23UEE104	VAHEENDRANE R /	A
53.	231026	23UEE105	VASANTHAKUMAR S /	A
54.	230224	23UEE106	VINAYAGAMOORTHY A /	B
55.	231480	23UEE108	YAMUNA E /	A


Class Advisors
(Mr. S. John Powl)
(Mr. I. Shivasankkar)


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(Dr. P. Jamuna)


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF OPEN ELECTIVE COURSE

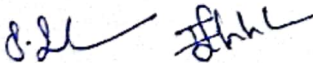
EVEN SEMESTER – DECEMBER 2025 to APRIL 2026

BATCH: 2023-2027

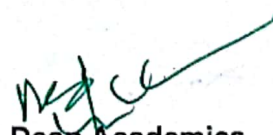
Year/Sem/Sec: III / VI / A & B

Regulation: R-2023

SL.NO	NAME OF THE COURSE	COURSE CODE	NO. OF STUDENTS OPTED
1.	Open Elective – II: Structured Query Language	U23CSOC01	52
2.	Open Elective – II: Cloud Technologies	U23CSOC02	56
Total No. of Students			108


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF OPEN ELECTIVE COURSE

BATCH: 2023-2027

Year/Sem/Sec: III / VI / A & B

Regulation: R-2023

Name of the Open Elective: Open Elective – II: Structured Query Language

Course Code: U23CSOC01

SL.NO	ENROLL NUMBER	REGISTER NUMBER	STUDENT NAME	SECTION
1.	230876	23UEE003	AJAIY R ✓	A
2.	230197	23UEE005	ANANTHA SOUNDARYA E ✓	B
3.	230275	23UEE006	ANBAZHAGAN B ✓	B
4.	231293	23UEE007	ANGALAN A ✓	B
5.	231481	23UEE008	ARUNACHALAM R ✓	A
6.	231274	23UEE013	ATCHAYAKUMAR S ✓	A
7.	231470	23UEE015	AYISHU A ✓	A
8.	231475	23UEE017	BALAJI RAM S ✓	A
9.	230381	23UEE023	DEVANADAN K ✓	A
10.	230195	23UEE024	DHANUJA S ✓	B
11.	231341	23UEE025	DHARANIKUMAR B ✓	A
12.	230938	23UEE026	DIVYA R ✓	A
13.	230920	23UEE027	DIVYADHARSHINI N ✓	B
14.	230394	23UEE030	FAYAS FAZIL A ✓	B
15.	230236	23UEE031	GAUSHIK ADHIBAN E ✓	A
16.	230170	23UEE032	GOKELA S ✓	B
17.	230987	23UEE033	GOKUL V ✓	A
18.	230400	23UEE035	GOUTHAM G ✓	A
19.	230512	23UEE037	GOWTHAMA GHUGAN S ✓	B
20.	231577	23UEE038	GUNANIDHI R ✓	A
21.	231223	23UEE039	HARIHARAAN S ✓	B
22.	230142	23UEE041	HITESH S ✓	B
23.	230165	23UEE044	IYYAPADASS R ✓	B
24.	230581	23UEE046	KAMESH V ✓	B
25.	231531	23UEE047	KANAKADURGA B ✓	B



26.	230183	23UEE052	LAVANYA K ✓	B
27.	230096	23UEE054	MADONNA E ✓	B
28.	231569	23UEE055	MAHALAXSHMI M ✓	A
29.	230909	23UEE056	MALARAVAN M ✓	A
30.	230180	23UEE058	MANOJ KUMAR M ✓	A
31.	230191	23UEE061	MOHAMMED FAROOK A ✓	A
32.	230235	23UEE063	NANDHAKUMAR S ✓	A
33.	230152	23UEE065	NIRANJAL VEERAN K ✓	A
34.	230136	23UEE066	NITHISH M ✓	A
35.	230233	23UEE067	OVIYA S ✓	B
36.	231441	23UEE077	RAJA SABARI V ✓	A
37.	230169	23UEE080	REEGAN P ✓	B
38.	230255	23UEE084	SANDHIYA G ✓	A
39.	230467	23UEE085	SANTOSH B B ✓	A
40.	230231	23UEE090	SIVASURYA S ✓	A
41.	230280	23UEE092	SOWMYA M ✓	A
42.	230150	23UEE094	SUBATHRAN M R ✓	A
43.	230451	23UEE095	SUBHASRI P ✓	A
44.	230245	23UEE097	SURENDAR K ✓	B
45.	230858	23UEE099	SWETHA P ✓	B
46.	230340	23UEE100	TEENESHWAR B ✓	B
47.	231319	23UEE101	THAMIZHARASU E ✓	B
48.	230940	23UEE102	THEJESHWAR RAJA S ✓	B
49.	231516	23UEE103	THIRUMURUGAN V ✓	B
50.	231230	23UEE104	VAHEENDRANE R ✓	A
51.	231026	23UEE105	VASANTHAKUMAR S ✓	A
52.	230224	23UEE106	VINAYAGAMOORTHY A ✓	B



Class Advisors
(Mr. S. John Powl)
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF OPEN ELECTIVE COURSE

BATCH: 2023-2027

Year/Sem/Sec: III / VI / A & B

Regulation: R-2023

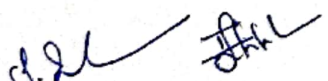
Name of the Open Elective: Open Elective – II: Cloud Technologies

Course Code: U23CSOC02

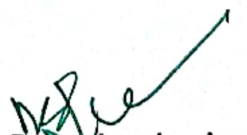
SL.NO	ENROLL NUMBER	REGISTER NUMBER	STUDENT NAME	SECTION
1.	240101	23EEL001	AHARIHARAN V ✓	A
2.	240062	23EEL002	HARISH.D ✓	B
3.	240602	23EEL003	RAHUL P ✓	A
4.	240399	23EEL004	SHYLENDHER T ✓	A
5.	230128	23UEE001	ABDUL SALEEM A ✓	B
6.	230218	23UEE002	ABINAYA V ✓	A
7.	230346	23UEE004	AKASH V ✓	A
8.	231507	23UEE009	ARUNESH E ✓	B
9.	230282	23UEE010	ASHOKKUMAR G ✓	A
10.	231282	23UEE011	ASWIN DHAYAL S ✓	B
11.	230226	23UEE012	ATCHAYA S ✓	B
12.	230058	23UEE014	AVINASH K ✓	B
13.	231450	23UEE016	BALAJI A ✓	B
14.	231186	23UEE019	BARANIDHARAN K ✓	A
15.	231519	23UEE020	BARATH S ✓	B
16.	230090	23UEE021	CHATHENYA S ✓	B
17.	230322	23UEE022	DEVAGURU S ✓	B
18.	231536	23UEE028	ELANCHEZHIAN S ✓	B
19.	230104	23UEE029	FAHIM AHMAD F ✓	B
20.	230072	23UEE036	GOWTHAM D ✓	B
21.	231307	23UEE042	ISREYA B ✓	A
22.	230958	23UEE043	IYYANAR D ✓	B
23.	231455	23UEE045	JAIADITHYAN V ✓	A
24.	230163	23UEE048	KARTHIK I ✓	B
25.	230155	23UEE049	KAVYAA K ✓	B

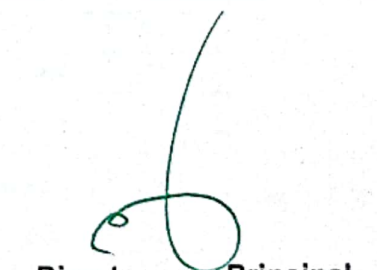


26.	230210	23UEE050	KIRUTHIK RAJ D ✓	A
27.	231337	23UEE051	KISHORE KUMAR S ✓	B
28.	231288	23UEE053	MADHANGOPAL I ✓	B
29.	230118	23UEE057	MANIMURUGAN A ✓	A
30.	230401	23UEE059	MATHIYARASAN T ✓	A
31.	231354	23UEE060	MINU S ✓	A
32.	231292	23UEE062	MOULEESWAR B ✓	B
33.	231499	23UEE064	NEERAJA J L ✓	A
34.	230227	23UEE068	PADMASRI G ✓	A
35.	230188	23UEE069	POOJA A ✓	A
36.	230764	23UEE070	PRIYADHARSHINI I ✓	A
37.	231124	23UEE071	PRIYADHARSHINI M ✓	B
38.	231257	23UEE072	PRIYANKA J ✓	B
39.	230796	23UEE073	PUGAZHENDIRAN N ✓	A
40.	230901	23UEE074	PUSHPARAJ V ✓	A
41.	230314	23UEE075	RAGUL M ✓	B
42.	231264	23UEE076	RAGUL M	B
43.	230457	23UEE078	RANJITH D ✓	A
44.	230131	23UEE079	RANZEEITH R ✓	A
45.	230561	23UEE081	ROUBAN A ✓	A
46.	231246	23UEE082	RUTHIRA V ✓	A
47.	230274	23UEE083	SACHIN V ✓	B
48.	231009	23UEE086	SELVA RAHUL S ✓	A
49.	230176	23UEE087	SHIBU B ✓	B
50.	230079	23UEE088	SHREE KANTH T ✓	A
51.	231363	23UEE089	SIVARAJ P ✓	B
52.	230822	23UEE091	SIVAVEL K ✓	A
53.	231258	23UEE093	SRI ROSHAN R ✓	B
54.	230246	23UEE096	SUGHI R ✓	A
55.	230456	23UEE107	VISHNUVARATHAN A ✓	B
56.	231480	23UEE108	YAMUNA E ✓	A


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(Mr. I. Shivasankkar)


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE COURSE-V

EVEN SEMESTER- DEC 2025 TO APR 2026

BATCH: 2022-2026

Year/Sem/Sec: IV/VIII / A & B

SL.NO	NAME OF THE COURSE	COURSE CODE	NO. OF STUDENTS OPTED
1.	FACTS	U20EEE822	54
2.	FUNDAMENTALS OF SOLAR PHOTOVOLTAIC SYSTEM AND APPLICATIONS.	U20EEE825	52
Total No. of Students:			106


Class Advisor
(I.G.Rajavel)
(2.Dr.D.Sivaraj)


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE COURSE-V

BATCH: 2022-2026

Year/Sem/Sec: IV/VIII A & B

Name of the Professional Elective: FACTS

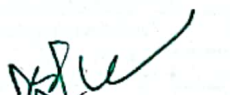
Course Code: U20EEE822

SL.NO	ENROLL NUMBER	REGISTER NUMBER	NAME OF THE STUDENTS	SECTION
1.	230209	22EEL002	BHARATHKUMAR S	B
2.	231143	22EEL006	PADMASEELAN K	B
3.	220556	22UEE001	ABHINAYAA M	A
4.	220408	22UEE002	AFRENA A	A
5.	220650	22UEE004	AKASH N	B
6.	220608	22UEE008	ARUNAISH R	B
7.	220839	22UEE011	ASWINKUMAR A	A
8.	220618	22UEE012	ASWITHA R	A
9.	220883	22UEE013	BALAKUMARAN A	A
10.	220790	22UEE015	CALLIS JOSEPH E	A
11.	220897	22UEE018	DHINISH N	B
12.	222026	22UEE019	DHIVIYA S	B
13.	221476	22UEE021	GOKULARAMANANE S	A
14.	220873	22UEE023	GOPIKA J	B
15.	222079	22UEE025	GOPINATH B	B
16.	220630	22UEE027	HARINI L	B
17.	221592	22UEE028	HEMACHANDASANAM S	B
18.	220832	22UEE030	ISHWARYA LAKSHMI S	A
19.	222010	22UEE033	JEEVITHAA D	A
20.	220901	22UEE036	KARTHIKRAJA S	B
21.	222124	22UEE042	LAVANYA M	B
22.	222136	22UEE043	MADHAN A	B
23.	220820	22UEE046	MAHESH R	B
24.	221740	22UEE048	MOHAMAD KASEEM M	B
25.	221677	22UEE049	MOHAMED ABDULKALAM K	B
26.	220742	22UEE050	MOHAMED HARUN RASHEED S	B
27.	220411	22UEE053	MURUGAN T	B
28.	220680	22UEE055	NAVEENKUMAR D	A
29.	220921	22UEE056	NIVETHITHA B	A
30.	220795	22UEE057	PAMPANA KARUNA PRABHAS	B

31.	222062	22UEE058	PARAMESH S	A
32.	221070	22UEE060	POOJA R	B
33.	220681	22UEE061	POOJITHA A	A
34.	220771	22UEE063	PRAVEEN G	B
35.	22526	22UEE064	PUGAZH SELVAN P	A
36.	221048	22UEE066	RAGUL A	A
37.	221402	22UEE068	RAJANAGESHVARAN M	B
38.	220541	22UEE071	RAMKUMAR S	A
39.	222084	22UEE073	RANDHIGA L	B
40.	221736	22UEE074	REBEKKAL R	A
41.	220936	22UEE078	SANCHI VENKATESH	A
42.	221217	22UEE079	SANJAY U	B
43.	220599	22UEE083	SIVAPOTHIS ALIAS KALICHARAN M	A
44.	221643	22UEE084	SRILOGESHWARAN S	A
45.	220540	22UEE085	SURYA PRAKASH B	B
46.	220928	22UEE086	THARANI S	A
47.	220723	22UEE087	THARANITHARAN M	B
48.	222064	22UEE089	THIRISHA N	A
49.	221023	22UEE090	THIRUVENGADAM P	A
50.	220627	22UEE092	UNILKUMAR D	A
51.	222093	22UEE093	VARSINEE S	B
52.	220360	22UEE099	VISHVA P	A
53.	220979	22UEE101	YUGANDIRAN R	A
54.	220621	22UEE102	YUGANIGAN J	B


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 (2.Dr.D.Sivaraj)


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



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE COURSE-V

BATCH: 2022-2026

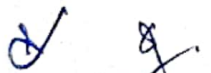
Year/Sem/Sec: IV/VIII A & B

Name of the Professional Elective: FUNDAMENTALS OF SOLAR PHOTOVOLTAIC
SYSTEM AND APPLICATIONS.

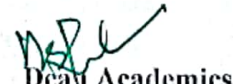
Course Code: U20EEE825

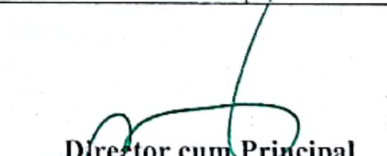
SL.NO	ENROLL NUMBER	REGISTER NUMBER	NAME OF THE STUDENTS	SECTION
1.	230055	22EEL001	BALAJI L	A
2.	231378	22EEL003	GIRIDHARAN R	B
3.	230329	22EEL004	JAYAKUMAR S	A
4.	230145	22EEL005	KARTHIKEYAN M	A
5.	230752	22EEL007	RAMPRASATH M	B
6.	221212	22UEE003	AKASH KUMAR N	B
7.	221578	22UEE005	ANANDHARAMAN V	A
8.	221666	22UEE007	AROKIA ANANDU PRASANTHU A	A
9.	221712	22UEE009	ARUNPRADAAP S	A
10.	220546	22UEE010	ASHWIN KUMAR S	A
11.	221257	22UEE014	BARANI DHARAN A	B
12.	222096	22UEE016	CHANDRU A	B
13.	220881	22UEE017	DHANAVEERANESH J	B
14.	221134	22UEE020	GANESH C	B
15.	220416	22UEE022	GOKULRAJ R	A
16.	220470	22UEE024	GOPIKRISHNAN P	A
17.	220523	22UEE026	HARINEE P	A
18.	221455	22UEE029	HERWIN W	A
19.	220752	22UEE031	IYYAPPAN R	B
20.	220641	22UEE032	JAYALAKSHMI L	B
21.	220879	22UEE034	JENI K	A
22.	220369	22UEE035	KARMUKILAN A	B
23.	221414	22UEE037	KAVIMANJARI L	A
24.	222130	22UEE038	KEERTHANA G M	B
25.	221785	22UEE039	KUSHAAN ANAND	A

26.	220967	22UEE040	LALITH KUMAR S	A
27.	220576	22UEE041	LATHIKAA V	A
28.	220515	22UEE044	MADHAN S	B
29.	221002	22UEE045	MADHAV V	B
30.	220620	22UEE047	MATHAN M	A
31.	221636	22UEE051	MONIKA D	B
32.	220962	22UEE052	MUKESHKUMAR R	A
33.	220558	22UEE054	NATHESH N B	B
34.	221627	22UEE059	PAVINTHRAN U	A
35.	220440	22UEE062	PRASANAA K	A
36.	220495	22UEE065	RAAKESH K	A
37.	220679	22UEE067	RAGUL V	A
38.	220931	22UEE069	RAJESH M	A
39.	220923	22UEE070	RAMESHKUMAR P	B
40.	220456	22UEE072	RAMYA S	B
41.	221001	22UEE075	REESHMA R	B
42.	220793	22UEE076	SAILESHWAR T	B
43.	221424	22UEE077	SAKTHISHWARI S	B
44.	222025	22UEE080	SARULATHA T	B
45.	220431	22UEE081	SELVAM S	B
46.	222069	22UEE082	SHARANKUMAR M	A
47.	220528	22UEE088	THILIPAN SIVA HARI S	B
48.	22049	22UEE091	THOGESH M	B
49.	220992	22UEE094	VARUNESH S	A
50.	220545	22UEE095	VIDHYADHARSHINI S	A
51.	220724	22UEE096	VIDHYASRI S	A
52.	221005	22UEE097	VIGNESH V	A


Class Advisor
 (1.G.Rajavel)
 (2.Dr.D.Sivaraj)


HOD
 (Dr.P.Jamuna)


Dean Academics
 (Dr.S.Anbumalar)


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



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

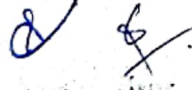
DETAILS OF PROFESSIONAL ELECTIVE COURSE-VI

EVEN SEMESTER- DEC 2025 TO APR 2026

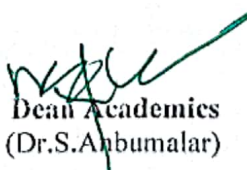
BATCH: 2022-2026

Year/Sem/Sec: IV/VIII / A & B

S.NO	NAME OF THE COURSE	COURSE CODE	NO. OF STUDENTS OPTED
1.	SMART GRID	U20EEE826	53
2.	POWER ELECTRONICS FOR RENEWABLE ENERGY SYSTEMS	U20EEE830	53
Total No. of Students:			106


(I.G. Rajavel)
(2.Dr.D.Sivaraj)


(Dr.P.Jamuna)


Dean Academics
(Dr.S.Arbumalar)


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



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE COURSE-VI

BATCH: 2022-2026

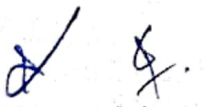
Year/Sem/Sec: IV/VIII A & B

Name of the Professional Elective: SMART GRID

Course Code: U20EEE826

SL.NO	ENROLL NUMBER	REGISTER NUMBER	NAME OF THE STUDENTS	SECTION
1.	230055	22EEL001	BALAJI L	A
2.	230209	22EEL002	BHARATHKUMAR S	B
3.	230329	22EEL004	JAYAKUMAR S	A
4.	230145	22EEL005	KARTHIKEYAN M	A
5.	220408	22UEE002	AFRENA A	A
6.	221578	22UEE005	ANANDHARAMAN V	A
7.	221666	22UEE007	AROKIA ANANDU PRASANTHU A	A
8.	221712	22UEE009	ARUNPRADAAP S	A
9.	220546	22UEE010	ASHWIN KUMAR S	A
10.	220618	22UEE012	ASWITHA R	A
11.	220883	22UEE013	BALAKUMARAN A	A
12.	220790	22UEE015	CALLIS JOSEPH E	A
13.	222096	22UEE016	CHANDRU A	B
14.	220897	22UEE018	DHINISH N	B
15.	222026	22UEE019	DHIVIYA S	B
16.	221134	22UEE020	GANESH C	B
17.	220523	22UEE026	HARINEE P	A
18.	220832	22UEE030	ISHIWARYA LAKSHMI S	A
19.	220641	22UEE032	JAYALAKSHMI L	B
20.	222010	22UEE033	JEEVITHAA D	A
21.	220879	22UEE034	JENI K	A
22.	220369	22UEE035	KARMUKILAN A	B
23.	220901	22UEE036	KARTHIKRAJA S	B
24.	221414	22UEE037	KAVIMANJARI L	A

25.	222130	22UEE038	KEERTHANA G M	B
26.	220967	22UEE040	LALITH KUMAR S	A
27.	220576	22UEE041	LATHIKAA V	A
28.	222124	22UEE042	LAVANYA M	B
29.	221002	22UEE045	MADHAV V	B
30.	220820	22UEE046	MAHESH R	B
31.	220620	22UEE047	MATHAN M	A
32.	220680	22UEE055	NAVEENKUMAR D	A
33.	220921	22UEE056	NIVETHITHA B	A
34.	220681	22UEE061	POOJITHA A	A
35.	220440	22UEE062	PRASANAA K	A
36.	220495	22UEE065	RAAKESH K	A
37.	221048	22UEE066	RAGUL A	A
38.	220931	22UEE069	RAJESH M	A
39.	220923	22UEE070	RAMESHKUMAR P	B
40.	220541	22UEE071	RAMKUMAR S	A
41.	220456	22UEE072	RAMYA S	B
42.	221736	22UEE074	REBEKKAL R	
43.	221217	22UEE079	SANJAY U	
44.	222069	22UEE082	SHARANKUMAR M	A
45.	221643	22UEE084	SRILOGESHWARAN S	A
46.	220723	22UEE087	THARANITHARAN M	B
47.	222064	22UEE089	THIRISHA N	A
48.	221023	22UEE090	THIRUVENGADAM P	A
49.	220627	22UEE092	UNILKUMAR D	A
50.	222093	22UEE093	VARSINEE S	B
51.	220992	22UEE094	VARUNESH S	A
52.	220545	22UEE095	VIDHYADHARSHINI S	A
53.	220724	22UEE096	VIDHYASRI S	


Class Advisor
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 (2.Dr.D.Sivaraj)


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 (Dr.P.Jamuna)


Dean Academics
 (Dr.S.Anbumalar)


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



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

DETAILS OF PROFESSIONAL ELECTIVE COURSE-VI

BATCH: 2022-2026

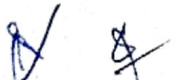
Year/Sem/Sec: IV/VIII A & B

Name of the Professional Elective: POWER ELECTRONICS FOR RENEWABLE ENERGY SYSTEMS

Course Code: U20EEE830

SL.NO	ENROLL NUMBER	REGISTER NUMBER	NAME OF THE STUDENTS	SECTION
1	231378	22EEL003	GIRIDHARAN R	B
2	231143	22EEL006	PADMASEELAN K	B
3	230752	22EEL007	RAMPRASATH M	B
4	220680	22UEE001	ABHINAYAA M	A
5	221212	22UEE003	AKASH KUMAR N	B
6	220650	22UEE004	AKASH N	B
7	220608	22UEE008	ARUNAISH R	B
8	220839	22UEE011	ASWINKUMAR A	A
9	221257	22UEE014	BARANI DHARAN A	B
10	220881	22UEE017	DHANAVEERANESH J	B
11	221476	22UEE021	GOKULARAMANANE S	A
12	220416	22UEE022	GOKULRAJ R	A
13	220873	22UEE023	GOPIKA J	B
14	220470	22UEE024	GOPIKRISHNAN P	A
15	222079	22UEE025	GOPINATH B	B
16	220630	22UEE027	HARINI L	B
17	221592	22UEE028	HEMACHANDASANAM S	B
18	221455	22UEE029	HERWIN W	A
19	220752	22UEE031	IYYAPPAN R	B
20	221785	22UEE039	KUSHAAN ANAND	A
21	222136	22UEE043	MADHAN A	B
22	220515	22UEE044	MADHAN S	B

23	221740	22UEE048	MOHAMAD KASEEM M	B
24	221677	22UEE049	MOHAMED ABDULKALAM K	B
25	220742	22UEE050	MOHAMED HARUN RASHEED S	B
26	221636	22UEE051	MONIKA D	B
27	220962	22UEE052	MUKESHKUMAR R	A
28	220411	22UEE053	MURUGAN T	B
29	220558	22UEE054	NATHESH N B	B
30	220795	22UEE057	PAMPANA KARUNA PRABHAS	B
31	222062	22UEE058	PARAMESH S	A
32	221627	22UEE059	PAVINTHRAN U	A
33	221070	22UEE060	POOJA R	B
34	220771	22UEE063	PRAVEEN G	B
35	22526	22UEE064	PUGAZH SELVAN P	A
36	220679	22UEE067	RAGUL V	A
37	221402	22UEE068	RAJANAGESHVARAN M	B
38	222084	22UEE073	RANDHIGA L	B
39	221001	22UEE075	REESHMA R	B
40	220793	22UEE076	SAILESHWAR T	B
41	221424	22UEE077	SAKTHISHWARI S	B
42	220936	22UEE078	SANCHI VENKATESH	A
43	222025	22UEE080	SARULATHA T	B
44	220431	22UEE081	SELVAM S	B
45	220599	22UEE083	SIVAPOTHIS ALIAS KALICHARAN M	A
46	220540	22UEE085	SURYA PRAKASH B	B
47	220928	22UEE086	THARANI S	A
48	220528	22UEE088	THILIPAN SIVA HARI S	B
49	22049	22UEE091	THOGESH M	B
50	221005	22UEE097	VIGNESH V	A
51	220360	22UEE099	VISHVA P	A
52	220979	22UEE101	YUGANDIRAN R	A
53	220621	22UEE102	YUGANIGAN J	B


Class Advisor
 (1.G.Rajavel)
 (2.Dr.D.Sivaraj)


HoD
 (Dr.P.Jamuna)


Dean Academics
 (Dr.S.Anbumalar)


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

Annexure – IX
Recommendations of Panel of Examiners to
the Academic Council



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SUBJECT WISE COUNT OF PANEL OF EXAMINERS

Panel of Examiners		
S.No	Specialization	Count
1	Power Electronics and Drives	55
2	Power systems	29
3	Electrical Drives and Control	09
4	Electrical Engineering	02
5	Image Processing	01
6	Very Large Scale Integration	01
7	Control System and Instrumentation	06
8	Applied Electronics	01
9	Automotive Technology, Material Science	01
10	Embedded Systems	01

DETAILS OF EXAMINER

Specialization		Power Electronics and Drives		
S.No	Name of the Examiner	Designation & Institution Name	Mobile No	Mail ID
1.	Dr.J.Ramesh Rahul	Assistant Professor / EEE, National institute of Technology, Andhra Pradesh	7989923036	rahuljammy1925@gmail.com
2.	Dr.K.K.Saravanan	Assistant Professor / EEE, University College of Engineering, Thirukuvalai campus, Nagapattinam	9789695832	saravanan.santi@gmail.com
3.	Dr. S. Jeyasudha	Professor / EEE, K.Ramakrishnan College of Technology, Trichy,	9629054969	jeayasudhas.eee@krct.ac.in
4.	Dr.S.A.Elankurisil	Professor & Head / EEE, Adhiparasakthi Engineering College, Melmaruvathur.	9442936797	saelankurisil@gmail.com
5.	Dr.V.Vasan Prabhu	Assistant Professor / Department of Automotive Electronics, SRM Institute of Science and Technology, Chennai.	7358682007	vasanprv@srmist.edu.in
6.	Dr.V.Krishna kumar	Associate Professor / EEE, St.Joseph's college of Engineering, Chennai	9944235196	v.krishnakumarsjce@gmail.com

7.	Dr.R.Raja Singh	Associate Professor / Department of Energy and Power Electronics, VIT, Vellore.	9894250650	rrajasingh@vit.ac.in
8.	Dr.C. Kumar	Professor and Head / EEE M Kumarasamy College of Engineering Thalavapalay am Post, Karur Tk,	9994942022	kumarc@bitsathy.ac.in
9.	Dr.Srinivasan Pradabane	Assistant Professor / EEE, National institute of Technology, Warangal, Telegana	8639352033	spradabane@nitw.ac.in
10.	Dr.P.Velmurugan	Associate Professor / EEE, St.Joseph's College of Engineering, Chennai	9976949243	velupriya10@gmail.com
11.	Dr.N.Shobanadevi	Professor , University College of Engineering, Ariyalur.	8778149535	shobanadevi1975@gmail.co m
12.	Dr.D.Zamrooth	Asst.Professor, Department of EEE, University college of Engineering, Kanchipuram	9176773605	zam.shireen@gmail.com
13.	Dr.A.Saraswathi	Asst.Professor, Department of EEE, University college of Engineering - Villupuram	9994549910	saraswathiask@gmail.com
14.	Dr.S.Prabhu	Associate Professor, Department of EEE, SreeVidyanikethan Engineering College, SreeSainath Nagar, Tirupati.	9600646211	prabhutajmahal6@gmail.com
15.	Dr.R.Natarajan	Associate Professor / EEE Fatima Michael College of Engineering and Technology, Madurai	9655986026	natarajanrajavel369@gmail.c om
16.	Mr.C.Nandakumar	Assistant Professor / EEE Arunai Engineering College, Velu Nagar, Mathur, Tiruvannamalai	9865714571	nandha30electra@gmail.com
17.	Dr.PadmajaSankala	Asst. Professor / EEE, All India Shri Shivaji memorial Society's College of Engineeirng,Pune	9923669024	pksankala@aissmscoe.com
18.	Dr.S.Priyadharshni	Professor / EEE, Arunai Engineering College, Velu Nagar, Mathur, Tiruvannamalai, Tamilnadu.	9994576791	priyamshanmugam@gmail.co m
19.	Dr.R.Thamaraiselvi	Assistant Professor/EEE, University College of Engineering, Villupuram	9487363388	r.thamaraiselvi1@gmail.com

20.	Dr.R.Murugesan	Asst. Professor, Department of EEE, Annamacharya Institute of Technology and Sciences Thirupati	9944228455	rmurugesandr@gmail.com
21.	Dr.T.S.Balaji Damodhar	Associate Professor / EEE, Ranipettai Engineering College, Walajah, Vellore	9944665102	balajidamodhar@gmail.com
22.	Dr.C.Kannan	Associate Professor / EEE, Arunai Engineering College, Thiruvannamalai.	9841005438	kannanc305@gmail.com
23.	Dr.K.Sedhuraman	Associate Professor / EEE, Manakula Vinayagar Institute of Technology, Kalitheerthalkuppam, Puducherry.	9092882883	sedhuramaneeee@mvit.edu.in
24.	Mr.S.Rajkumar	Assistant Professor / EEE, Manakula Vinayagar Institute of Technology, Kalitheerthalkuppam, Puducherry.	9952628247	rajkumareeee@mvit.edu.in
25.	Mr.M.Saravanakumar	Assistant Professor / EEE, Mailam Engineering College, Mailam	9786863566	saravanakumareeee@mailam engg.com
26.	Mr.G.G.Muthukumar	Assistant Professor / EEE, Mailam Engineering College, Mailam	9894762505	muthukumareeee@mailameng g.com
27.	Dr.S.Satthiyaraj	Associate Professor / EEE, University College of Engineering, Panruti	9500405949	satthiya@gmail.com
28.	Dr. N. Arunkumar	Associate Professor / EEE, DhanalakshmiSrinivasanE ngineeringCollege, Perambalur	9894949670	narunme26@gmail.com
29.	Mr.A.Vinothkumar	Assistant Professor / EEE, SRI College of Engineering and Technology, Vandavasi.	6379224893	vinothkumareeee91@gmail.co m
30.	Dr.G.Madhusudanan	Professor / EEE, SRM Nagar, Kattankulathur, Chengalpattu.	9884413903	madhusudanang.eee@vallia mmai.co.in
31.	Dr.G.Haridoss	Associate Professor/EEE, M. A. M College of Engineering and Technology, Siruganur, Trichy	9865481065	haridoss@gmail.com
32.	Dr.S.Albert Alexander	Associate Professor / EEE, Kongu Engineering College, Perundurai, Erode.	9865931597	ootyalex@gmail.com

33.	Dr.K.Arul Kumar	Assistant Professor / EEE, Madanapalle Institute of Technology & Science, Madanapalle- Chittoor District, Andhra Pradesh	9994822651	karuleee@gmail.com
34.	Dr.Mahendran Nagalingam	Professor / HOD, SAINTGITS College of Engineering Kottayam, Kerala	9894243719	drnmpower@gmail.com
35.	Dr.R.Natarajan	Associate Professor /EEE Fatima Michael College of Engineering and Technology, Madurai	9655986026	natarajanrajavel369@gmail.c om
36.	Dr.T Suresh Padmanabhan	Associate Professor, Department of ECE, E.G.S Pillay Engineering College, Nagapattinam.	9444025552	drtsp@egspec.org
37.	Dr.Ra.Selvaganapat hy	Assistant Professor / EEE, AVC College of Engineering Mayiladuthurai.	9940621275	selvaganapathyeee@avccen gg.net
38.	Dr.S.S.Kumaresh	Asst.Prof / EEE, University college of Engineering, Kanchipuram.	9940545961	kumareshlive@gmail.com
39.	Dr.R.Murugesan	Assistant Professor / EEE, Annamacharya Institute of Technology and Sciences, Tirupati	9944228455	rmurugesandr@gmail.com
40.	Dr.S.Arockiaraj	Assistant Professor / EEE, Mepco Schlenk Engineering College, Sivakasi. Sivakasi.	9626044699	arockiaraj.s@mepcoeng.ac.in
41.	Dr.C.Kamal	Associate Professor, SRM Easwari Engineering College, Ramapuram Chennai-600089	9791121025	kamal.c@eec.srmrmp.edu.in
42.	Dr.K.Kirubananthan	Professor and Head, Department of EEE, Surya Group of Institutions, Vikravandi	9677062845	kirubananthan81@gmail.com
43.	Dr.A.George Ansfer	Assistant Professor / EEE, St. Xavier's Catholic College of Engineering, Nagercoil.	9488926063	georgeansfer@gmail.com
44.	Dr J Leon Bosco Raj	Assistant Professor / EEE, St. Xavier's Catholic College of Engineering, Nagercoil.	9488218404	sanbosco2006@gmail.com
45.	Dr.D.Periyaazhagar	Associate Professor / EEE, Krishnasamy College of Engineering & Technology, Cuddalore.	9843664423	periyaazhagar@gmail.com
46.	Dr.Ramji Tiwari	Assistant Professor / EEE, Sri Krishna College of Engineering and Technology, Coimbatore.	8220818480	ramjitiwari@skcet.ac.in

47.	Dr.P.Vinoth kumar	Associate Professor / EEE, Sri Krishna College of Engineering and Technology, Coimbatore	9940944235 , 9080070126	vinothkumarktp@gmail.com
48.	Dr.S.Sivasakthi	Professor / EEE, Krishnasamy college of Engineering And Technology, Cuddalore.	9842016590	sivasakthi_gayu@yahoo.co.in
49.	Dr.R.Thamaraiselvi	Assistant Professor / EEE University College Engineering, Anna University Villupuram Campus.	9080376056	r.thamaraiselvi75@gmail.com
50.	Dr.S.M.Balamuruga n	Associate Professor /EEE, Sri Venkateswara College of Technology, Sriperumbudur.	9994218756	ersmbala@gmail.com
51.	Dr S. Vijayasamundiswar y	Assistant Professor/EEE, Central Institute of Petrochemicals Engineering &Technology	9865545096	sravanyuvaraj@gmail.com
52.	Dr S. Shanmugapriya,	Assistant Professor (Sr.G)/EEE, SRM Institute of Science and Technology, Kattankulathur-603203	9994364542	shanmugs4@srmist.edu.in
53.	Dr V.Kalyanasundaram	Assistant Professor/SG/EEE SRM Institute of Science and Technology Kattanakulathur, Chengalpet-603203	9865231780	kalyanav@srmist.edu.in
54.	Dr M Anusuya	Assistant Professor / EEE, Dhanalakshmi Srinivasan University, Trichy	9750660020	anusuyam.set@dsuniversity. ac.in
55.	Dr S. Geethanjali	Assistant Professor/EEE, SRM Institute of Science and Technology, Kattankulathur-603203	9597210003	geethans@srmist.edu.in

Specialization		Power systems		
S.N o	Name of the Examiner	Designation & Institution Name	Mobile No	Mail ID
1.	Dr.N.Chidambararaj	Associate Professor / EEE, St.Joseph's College of Engineering, OMR, Chennai	9840826431	chidambararajn@stjosephs .ac.in
2.	Dr.A.Ragavendiran	Asst.Professor / EEE, AVC College of Engineering, Mannampandal Mayiladudurai	8248781797	ragavendiran.as@gmail.co m
3.	Dr. V. Subha Seethalakshmi	Associate Professor / EEE, Dhanalakshmi Srinivasan Engineering College, Perambalur	9865724662	vsubha05@gmail.com

4.	Dr.S.P.Mangaiyarkarasi	Asst.Professor , Department of EEE, University college of Engineering, Panruti.	8903678363	mangaisowmeya@gmail.com
5.	Dr.R.Karthikeyan	Asst.Professor, Department of EEE, University college of Engineering, Pattukottai.	9047656765	kar_thamarai82@yahoo.com
6.	Dr.Arul Murugan	Professor & Head / EEE Excel Group of Institutions Erode, TamilNadu	9842909393	arulpvp@gmail.com
7.	Dr.P.Sathish Babu	Asst.Professor, Department of EEE, University college of Engineering, Panruti	8667313405	psathishbabu@yahoo.co.in
8.	Dr.V.Arun	Associate Professor, Department of EEE, Sree Vidyanikethan Engineering College, SreeSainath Nagar, Tirupati.	8667244175	arunphd1986@gmail.com
9.	Dr.S.Durai	Assistant Professor, Department of EEE, Annamalai University	8667264066	ab addedurai@gmail.com
10.	Dr.S.Karthikeyan	Assistant Professor Department of EEE, Annamalai University	8825793371	karthikaueee79@gmail.com
11.	Dr.M.Sathya	Assistant Professor, Department of EEE, Government college of Engineering,Srirangam,Tiruchy	7010271378	mrsathyaa@gces.edu.in
12.	Dr. R. Suresh	Associate professor / EEE Arunai Engineering College, Tiruvannamalai	9943863622	rsureshskp@gmail.com
13.	Dr.P.Ajay.D.Vimal Raj	Associate Professor Department of EEE, Pondicherry Engineering College.	9486142839	ajayvimal@pec.edu
14.	Ms.V.Logeshwari	Assistant Professor Department of EEE, Government College of Engineering, Srirangam.	8778727201	logulagam@gmail.com
15.	Dr. S. A.Elankurisil	Professor and Head/ EEE Adhiprasakthi Engineering College, Melmaruvathur,	9442936797	sa elankurisil@gmail.com
16.	Dr.S.Srinivasan	Associate Professor / EEE, K.S.Rangasamy College of Technology, Tiruchengode - 637215	9994143687	srinivasan@ksrct.ac.in
17.	Dr.M.Suman	Associate Professor / EEE, Maha Barathi Engineering College, Chinnasalem – 606201	8248407486	suman.auvdl@gmail.com
18.	Dr.M.Mohanraj	Associate Professor, Department of EEE, Kumaraguru College of Technology, Coimbatore.	9842973377	mohanraj.m.eee@kct.ac.in

19.	Dr.G.Ganesan @ Subramanian	Research Head, Nethaji Subash Chandra bose Group of Institutions, Thiruvapur.	9150409651	researchnscbgoitvr@gmail.com
20.	Dr.V.Kandasamy	Associate professor Department of EEE Kumaraguru college of technology, Coimbatore.	9150205779	kandasamy.v.eee@kct.ac.in
21.	Dr.K.Suresh	Assistant Professor / EEE, Coimbatore institute of Technology, Avinashi. Road, Coimbatore.	9442002145	sureshhayagreeva@gmail.com
22.	Dr.A.Suresh	Professor / EEE, AMET University, Chennai.	7305342590	asurez@gmail.com
23.	Dr.K.Kannan	Associate Professor, Department of EEE, Annapoorna Engineering College, Salem.	9894818483	k.kannan79@gmail.com
24.	Dr.I.Mahendravarm an	Assistant Professor, Department of EEE, AVC College of Engineering, Mayiladuthurai.	7904048832	89.mahe@gmail.com
25.	Dr.R. Annadurai	Assistant Professor / EEE Arunai Engineering College	9486201180, 9381999868	radaec@gmail.com
26.	Dr M.Lakshmi,	Associate Professor/EEE, Dhanalakshmi Srinivasan University, Trichy	9003037797	lakshmim.set@dsuniversity.ac.in
27.	Dr.S.Ramesh Kumar	Associate Professor / EEE Thanthai Periyar Government Institute of Technology, Vellore	9842597594	rameshkumar.au@gmail.com
28.	Dr S Sridharan	Associate Professor, Department of EEE, St. Joseph's College of Engineering, Chennai	9444226928	sridharans@stjosephs.ac.in
29.	Dr C Venkatesh Kumar	Assistant Professor, Department of EEE, St. Joseph's College of Engineering, Chennai	9865252366	venkateshkumarc@stjosephs.ac.in

Specialization		Electrical Drives and Control		
S.No	Name of the Examiner	Designation & Institution Name	Mobile No	Mail ID
1	Dr.A.Venkadesan,	Assistant Professor / EEE, National Institute of Technology , NH32, Karaikal, Puducherry.	7598566739	venkadesan@nitpy.ac.in

2	Dr. R .Gunabalan	Associate Professor, School of Electrical Engineering, VIT,Vandalur- Kelambakkam Road, Chennai.	9894919269	gunabalan.r@vit.ac.in
3	Dr.V.Krishnakumar	Associate Professor / EEE St.Joseph college of Engineering Chennai.	9944235136	v.krishnakumarjce@gmail.com
4	Dr.D.Lenine	Professor/EEE R.G.M College of Engg. & Tech. Nandyal, Andhra Pradesh.	9866723784	lenine.eee@gmail.com
5.	Dr.C.Carunaiselvan	Assistant Professor, Department of Automobile Engineering SRM Institute of Science and Technology, KTR Campus, Chennai	8265804594	carunaic@srmist.edu.in
6.	Dr.V.Venkatachalam	Assistant Professor / EEE, Surya Group of Institutions, Vikravandi Villupuram.	9500999251	venkatsgieeee@gmail.com
7.	Dr.Venkatachalam	Assistant Professor/EEE, Dhanalakshmi Srinivasan University -Samayapuram Campus	9500999251	vikranth6488@gmail.com
8.	Dr Ram Prabu J	Assistant Professor/EEE Kumaraguru College of Technology, Coimbatore	9150067999	ramprabu.j.eee@kct.ac.in
9.	Dr R Boopathi	Assistant Professor, Department of EEE, Karpaga Vinayaga College of Engineering and Technology	9894858686	rboopathiyadav@gmail.com

Specialization		Electrical Engineering		
S.No	Name of the Examiner	Designation & Institution Name	Mobile No	Mail ID
1	Dr.S.Senthikumar	Associate Professor / EEE University College of Engineering, Ariyalur.	7810062427	senthil21575@gmail.com
2	Dr.S.R.Sivarasu,	Professor / EEE, Sri Eshwar College of Engineering (Autonomous) Coimbatore.	8056719372 / 9942029372	sivarasu.s.r@sece.ac.in

Specialization		Image Processing		
S.No	Name of the Examiner	Designation & Institution Name	Mobile No	Mail ID
1	Dr. S. Karthick	Associate Professor / EEE, Sengunthar Engineering College, Thudupathi Post, Perundurai, Erode	9486937253	resumekarthick@gmail.com

Specialization		Very Large Scale Integration		
S.N o	Name of the Examiner	Designation & Institution Name	Mobile No	Mail ID
1	Dr.T.Venishkumar	Associate Professor / EEE, Sethu Institute of Technology, Pulloor, Kariapatti – Virudhunagar, Tamilnadu	9095577477	tvenishkumar@gmail.com

Specialization		Control System and Instrumentation		
S.N o	Name of the Examiner	Designation & Institution Name	Mobile No	Mail ID
1	Dr.S.N.Sivaraj	Associate Professor/ EEE Velammal Engineering College, Chennai	9944238133/ 9080801268	sivarajsn@gmail.com
2	Dr. P. Manikannan	Professor / EEE, AKT Memorial College of Engineering and Technology, Kallakurichi	9786658571	p.manikannan@gmail.com
4	Mr.P.Jekan	Assistant Professor / EEE, SRM University, Kattankulathur, Chengalpattu.	9884937734	jeganp@srmist.edu.in
5.	Dr.B.Balraj	Associate Professor, Department of ECE, K.Ramakrishnan College of Technology Trichy.	9444295557	balrajb.eee@krct.ac.in
6.	Dr S. Revathi	Assistant Professor, Department of EEE, NIT Puducherry, Karaikal	9488611107	revathi.s@nitpy.ac.in

Specialization		Applied Electronics		
S.N o	Name of the Examiner	Designation & Institution Name	Mobile No	Mail ID
1	Dr. J.P.Srividhya	Associate Professor, AMET University, Chennai	9486985422	sriviprakash2007@gmail.com

Specialization		Automotive Technology, Material Science		
S.N o	Name of the Examiner	Designation & Institution Name	Mobile No	Mail ID
1	Dr. S. Roseline	Professor / EEE, M. A. M College of Engineering and Technology, Siruganur, Trichy	9443435493	roselines1969@gmail.com

Specialization		Embedded Systems		
S.No	Name of the Examiner	Designation & Institution Name	Mobile No	Mail ID
1	Dr.R.Venkatesh	Professor, Department of EEE, Annapoorna Engineering College, Salem.	9944401677	arkvenki@gmail.com

Annexure – X
Details of Guest Lectures, Workshops,
Hands on Training, Seminar and
Engineering Clinic activities

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

List of guest lectures, workshop for 25-26

Sl.No	Name of the Event	Date
1.	Two days FDP on Introduction to Artificial Intelligence with Matlab	06.08.2025 to 07.08.2025
2.	Seminar on Understanding Transformers: The Backbone of Power Distribution	09.08.2025
3.	Demonstration of LCD Interfacing with PIC 16F Using Proteus Software	13.08.2025
4.	One day workshop on “ Innovation & Entrepreneurship in the Era of Generative AI”	06.02.2026

Guest Lecture, Workshops details:

1.Two days FDP on Introduction to Artificial Intelligence with Matlab





SILVER JUBILEE CELEBRATION



25 YEARS

Two Day Faculty Development Programme (FDP)

ON

“Introduction to Artificial Intelligence with MATLAB”



Ms. Tharini Raj
Customer Success Engineer,
MathWorks, Chennai



Mr. S. Afsal
Senior Application Engineer-MATLAB
ARK Info Solutions Pvt.Ltd.,Chennai



IEEE Student Branch



6th & 7th August 2025



EV Centre of Excellence



9:00 am to 4.50 PM





Sri Manakula Vinayagar Engineering College and Mathworks - ARK InfoSolution Pvt. Ltd., Chennai jointly organized a Two - days Hands - on Training on, “Introduction to AI with MATLAB” for faculties on 6th and 7th August 2025.

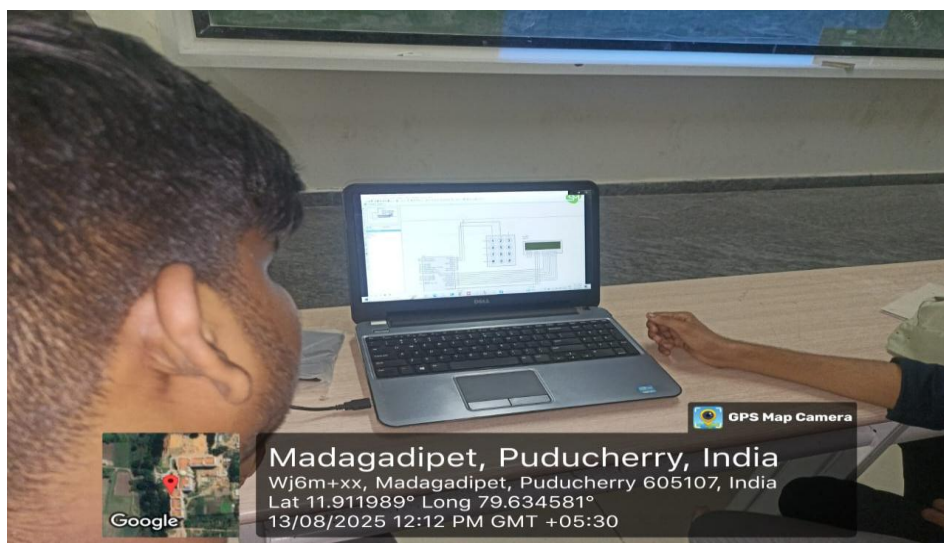
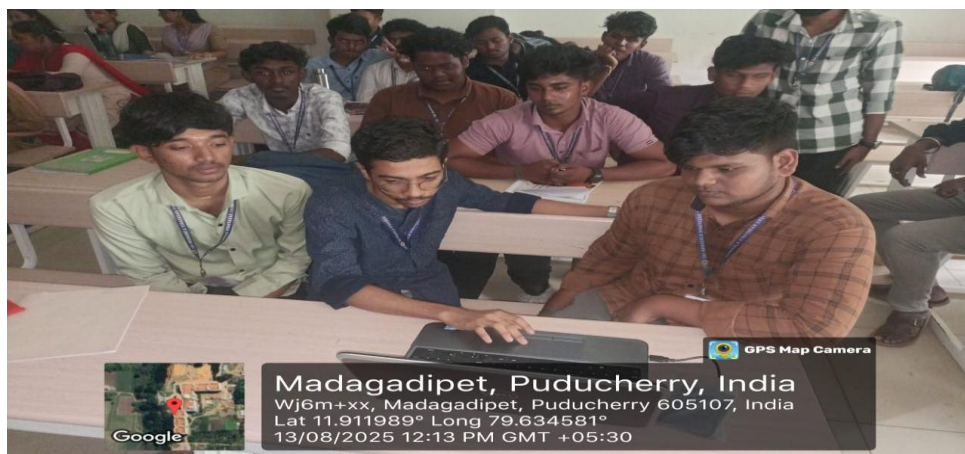
2. Seminar on Understanding Transformers: The Backbone of Power Distribution





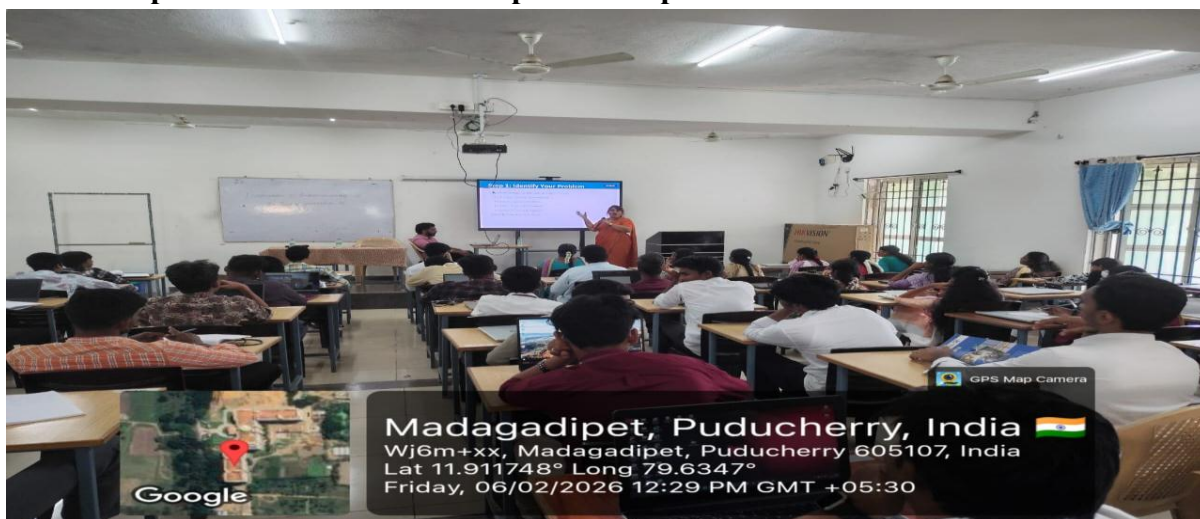
Mr.M.Sivakumar, Managing Director, Sri Kailash Transformers gave a seminar about transformers to the second year EEE Students on 09.08.2025

3. Demonstration of LCD Interfacing with PIC 16F using Proteus Software:



Mr.S.Mugundhan, Demonstrated LCD interfacing with PIC 16F using Proteus software to third year EEE students.

4. Workshop on “ Innovation & Entrepreneurship in the Era of Generative AI”



Mrs.Pushpanjali Sivakumar, conducted a workshop on “ Innovation & Entrepreneurship in the Era of Generative AI” to the second year EEE students on 06.02.2026.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ODD SEMESTER 2025-2026

Engineering Clinic Activity



SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

**SCHEDULE FOR ENGINEERING CLINIC/ CLUB ACTIVITY- PROJECT BASED
LEARNING**

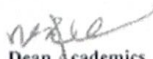
ODD SEMESTER (2025-2026)

YEAR/SEM/SEC: II/III/ A& B

BATCH: 2024-2028

Sl.No	Date	Content's	Outcome	Faculty In-Charges
1	12.07.2025	Design of Automatic Street Light using LDR	Able to design an automatic lighting system that switches ON and OFF based on ambient light intensity.	Mr.K.Thamgaraj, Mr.G.Rajavel, Mr.R.Vignesh,
2	26.07.2025	Design of Water Level Controller Circuit	Able to design and test a circuit to monitor and control water levels automatically in a tank.	Mr.K.Thamgaraj, Mr.G.Rajavel, Mr.R.Vignesh,
3	09.08.2025	Design of Mobile Phone Detector Circuit	Able to detect RF signals emitted from mobile phones using electronic circuits.	Mr.K.Thamgaraj, Mr.G.Rajavel, Mr.R.Vignesh,
4	23.08.2025	Design of Temperature Controlled Fan using Thermistor	Able to design a temperature-based automatic fan control system using thermistor sensor.	Mr.K.Thamgaraj, Mr.G.Rajavel, Mr.R.Vignesh,
5	13.09.2025	Transformerless 230V Light Activated Switch	Able to design a transformerless automatic switching circuit controlled by light intensity.	Mr.K.Thamgaraj, Mr.G.Rajavel, Mr.R.Vignesh,


HOD/EPE
(Dr.P.Jamuna)


Dean Academics
(Dr.S.Abbumalar)


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

Academic Year	: 2025 – 2026	
Date/Day	: 12.07.2025/Saturday	Year/Sem/Sec: II/III/A ,B
Activity	: DESIGN OF AUTOMATIC STREET LIGHT USING LDR	



Second-year students of the EEE Department carried out the design and construction of an Automatic Street Light system using a Light Dependent Resistor (LDR) as part of their Engineering Clinic activity. The students assembled the circuit by connecting the LDR sensor, control components, and LED to simulate the street light system. The LDR sensor was used to detect the intensity of ambient light and automatically control the switching of the light. When the surrounding light level decreases, the circuit automatically turns on the LED, and it turns off when sufficient light is present. The students tested the working of the circuit by varying the light intensity on the LDR. This activity helped students understand the practical application of sensors in energy-efficient automatic lighting systems.

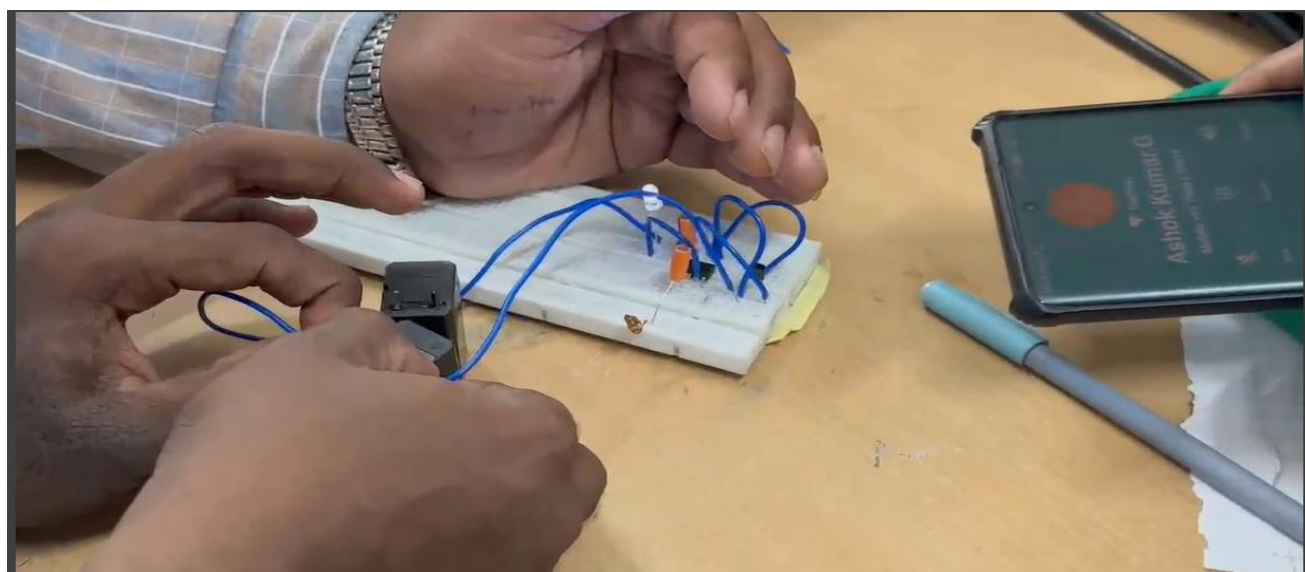
Academic Year	: 2025 – 2026	
Date/Day	: 26.07.2025/Saturday	Year/Sem/Sec: II/III/A ,B
Activity	: WATER LEVEL CONTROLLER CIRCUIT	



Second-year students of the EEE Department carried out the design and construction of a Water Level Controller Circuit as part of their Engineering Clinic activity. The students assembled the circuit using essential components such as sensors, control circuits, and indicator LEDs to monitor the water level. The system was designed to detect different water levels in a tank and provide automatic control for water pumping operations. During the activity, students connected and tested the circuit to observe the indication of low and high water levels. The functioning of the circuit was verified by simulating different water level conditions. This practical activity helped students understand the application of electronic circuits in automatic water management systems.

Academic Year	: 2025 – 2026	
Date/Day	: 09.08.2025/Saturday	Year/Sem/Sec: II/III/A ,B
Activity	: DESIGN OF MOBILE PHONE DETECTOR CIRCUIT	

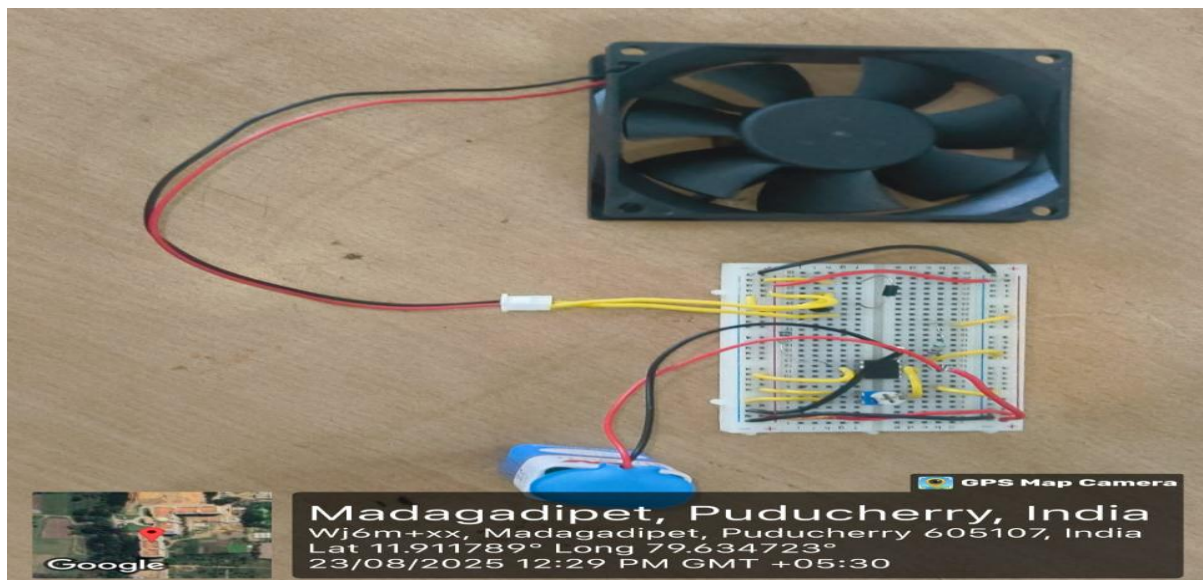




Second-year students of the EEE Department carried out the design and construction of a Mobile Phone Detector Circuit as part of their Engineering Clinic activity. The students assembled the circuit using electronic components such as capacitors, resistors, ICs, and indicator LEDs to detect the presence of mobile phone signals. The circuit was designed to sense the radio frequency signals emitted by mobile phones during calls or message transmission. During testing, students placed a mobile phone near the circuit to observe the LED indication when a signal was detected. The proper functioning of the circuit confirmed its ability to identify nearby mobile phone activity. This hands-on activity helped students understand the practical use of RF signal detection and electronic circuit design.

Academic Year	: 2025 – 2026	
Date/Day	: 23.08.2025/Saturday	Year/Sem/Sec: II/III/A ,B
Activity	: DESIGN OF TEMPERATURE CONTROLLED FAN USING THERMISTOR	

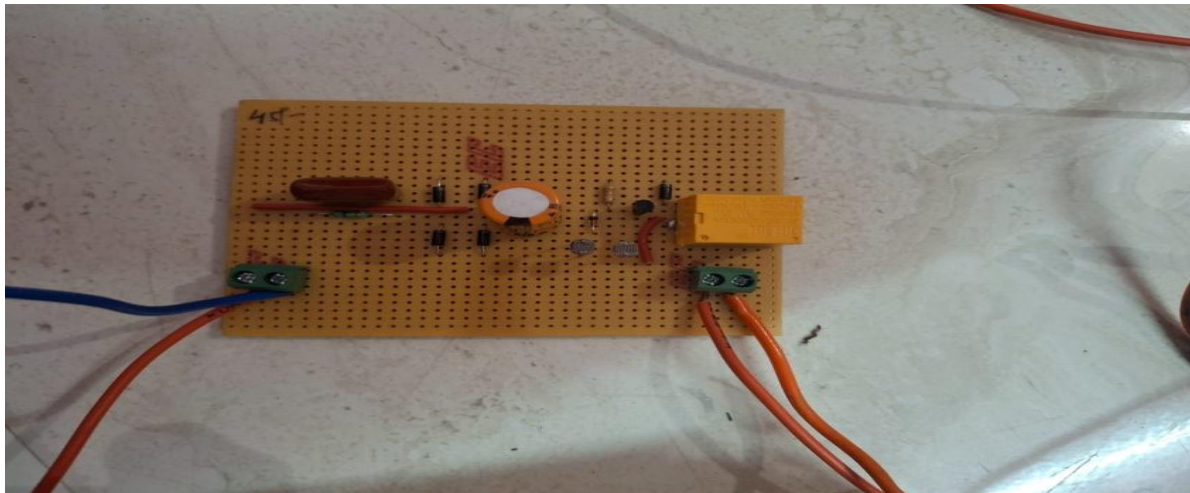
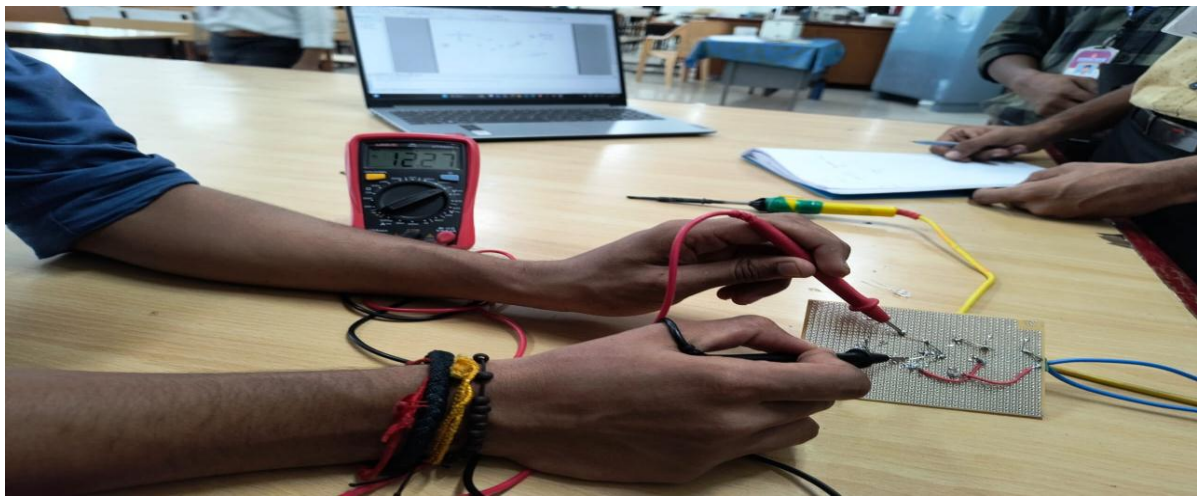




Second-year students of the EEE Department carried out the design and construction of a Temperature Controlled Fan using a thermistor as part of their Engineering Clinic activity. The students assembled the circuit by connecting the thermistor sensor, control components, and a DC fan. The thermistor was used to sense the surrounding temperature and regulate the operation of the fan accordingly. When the temperature increases, the thermistor detects the change and activates the fan automatically. During the testing phase, students verified the working of the circuit by varying the temperature conditions. This practical activity helped students understand the application of temperature sensors and automatic control systems in electronic devices.

Academic Year	:	2025 – 2026	
Date/Day	:	13.09.2025/Saturday	Year/Sem/Sec: II/III/A & B
Activity	:	TRANSFORMERLESS 230V LIGHT ACTIVATED SWITCH	





Second-year students of the EEE Department carried out the design and construction of a Transformerless 230V Light Activated Switch as part of their Engineering Clinic activity. The students assembled the circuit using components such as an LDR, resistors, capacitors, and switching devices to control the load. The system was designed to automatically switch on the light when the surrounding light intensity decreases and turn it off when sufficient light is available. The circuit operates directly from the 230V AC supply without the use of a transformer. During the testing phase, students verified the working of the circuit by varying the light falling on the LDR sensor. This activity helped students understand the practical implementation of automatic lighting systems and energy-saving applications.



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LEARNING

ODD SEMESTER (2025-2026)

YEAR/SEM/SEC: III/V/ A& B

BATCH: 2025-2029

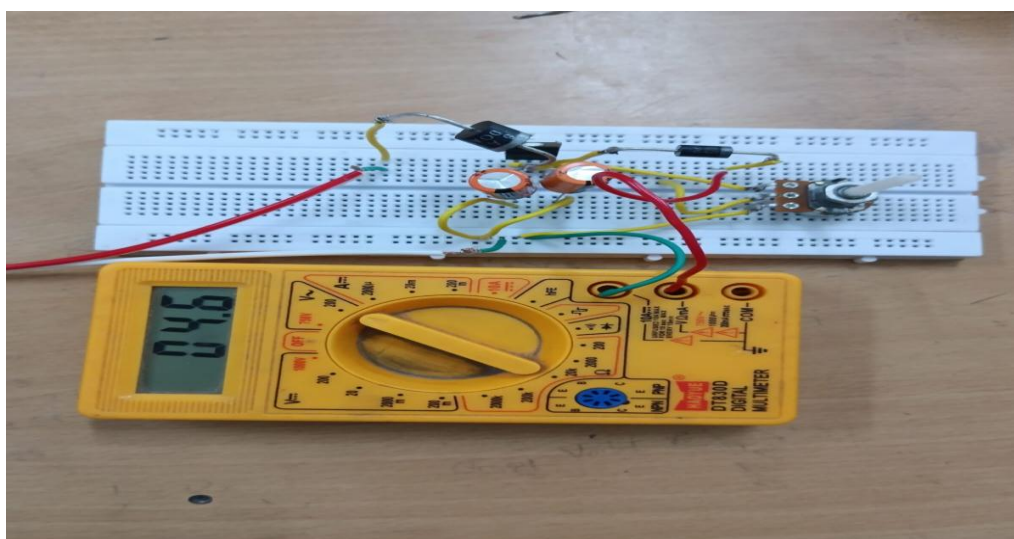
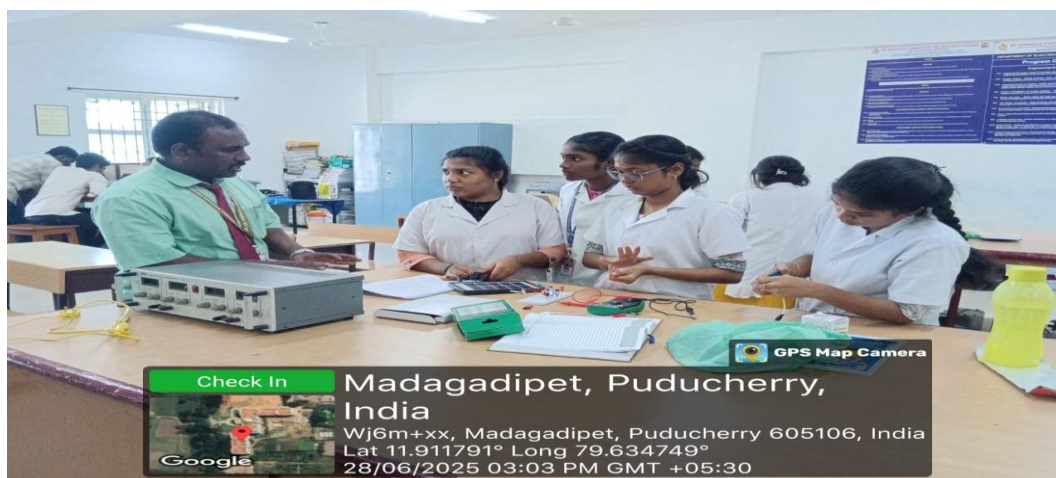
Sl.No	Date	Content's	Outcome	Faculty In-Charges
1	28.06.2025	Design of Solar Voltage Regulator using LM317	Able to design and implement a solar voltage regulator circuit to regulate stable DC output using LM317.	Mr. S. John Powl, Mr.I.Shivasankkar Mr. S. Elanthamizh
2	26.07.2025	Design of Clap Switch Circuit Using Sound Sensor	Able to design a clap switch circuit that controls devices based on sound signals.	Mr. S. John Powl, Mr.I.Shivasankkar Mr. S. Elanthamizh
3	09.08.2025	Automatic Plant Watering System using Moisture Sensor	Able to design and implement an automatic plant watering system using soil moisture sensing technology.	Mr. S. John Powl, Mr.I.Shivasankkar Mr. S. Elanthamizh

HOD/EPE
(Dr. P. Jeyamun)

Dean Academics
(Dr. S. Anbumalar)

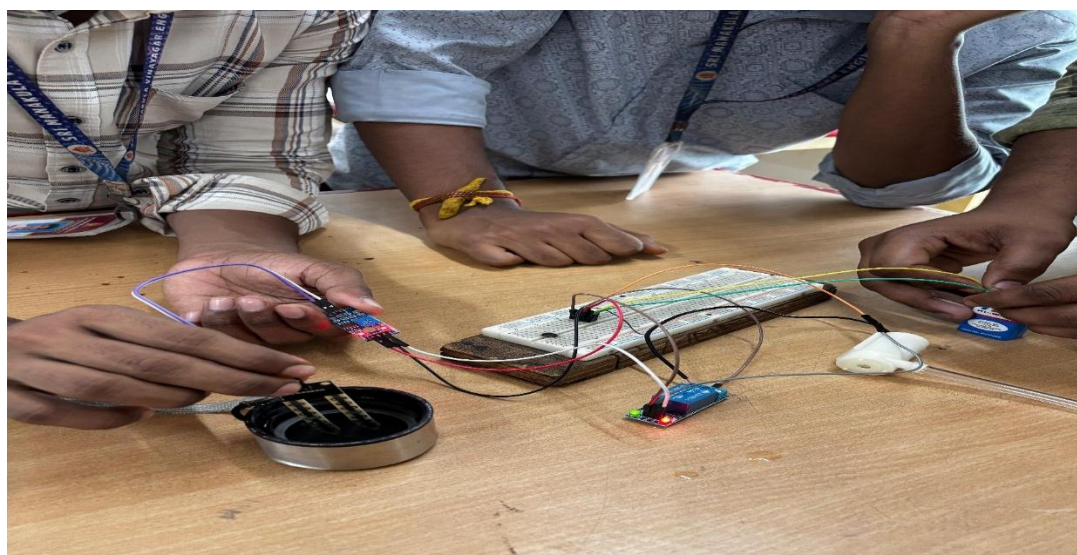
Director cum Principal
(Dr. V. S. K. Venkatachalapathy)

Academic Year	:	2025 – 2026	
Date/Day	:	28.06.2025 / Saturday	Year/Sem/Sec: III / V / A, B
Activity	:	Design of Solar Voltage Regulator using LM 317	



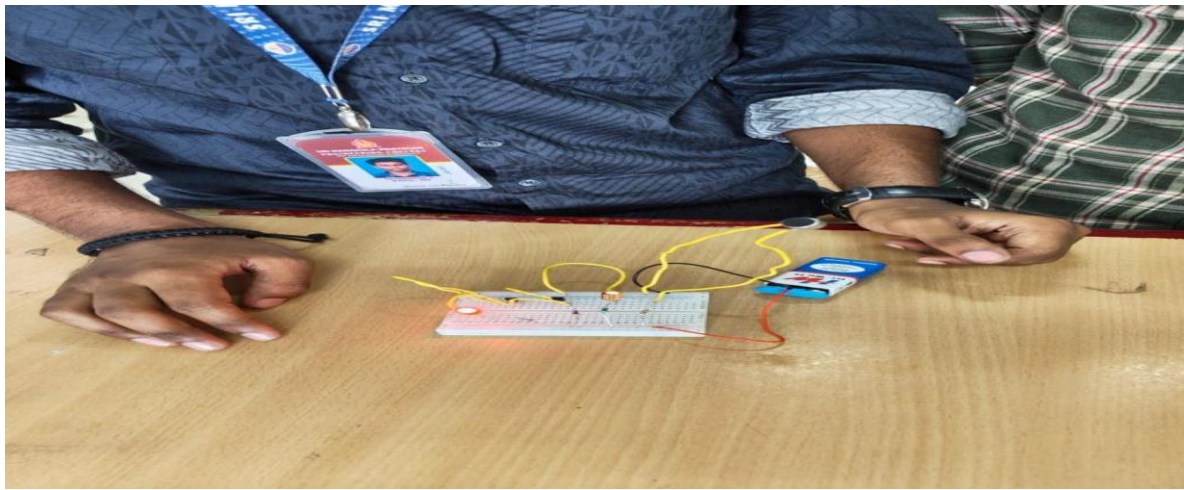
The students implemented a solar voltage regulator circuit using the LM317 adjustable voltage regulator as part of their Engineering Clinic activity. A solar panel was used as the input power source to supply DC voltage to the circuit. The LM317 regulator helps in maintaining a stable and constant output voltage even when there are fluctuations in the solar input. The students assembled the circuit using components such as resistors, capacitors, and the LM317 IC on a breadboard. The regulated output voltage was tested and measured using a digital multimeter to verify the circuit performance. This activity provided practical knowledge about voltage regulation and its importance in solar energy applications.

Academic Year	:	2025 – 2026	
Date/Day	:	09.08.2025/ Saturday	Year/Sem/Sec: III/V/A
Activity	:	Automatic Plant Watering System using Moisture Sensor	



Students of the EEE Department, III Year A Section, carried out the construction of an Automatic Plant Watering System using a Moisture Sensor as part of their Engineering Clinic activity under the guidance of Mr. S. Johnpowl, AP/EEE and Mr. S. Elanthamizh, AP/EEE. The students were actively involved in the practical implementation of the prototype system. They connected the soil moisture sensor, control circuit, and water pump to develop the automatic watering setup. The system was designed to detect the moisture level in the soil and automatically supply water when the soil becomes dry. During the activity, students tested the working of the circuit and verified the operation of the pump based on the sensor output. This hands-on activity helped students understand the practical applications of sensors and automation in agricultural systems.

Academic Year	:	2025 – 2026	
Date/Day	:	26.07.2025/ Saturday	Year/Sem/Sec: III/V/A,B
Activity	:	Design of Clap Switch Circuit Using Sound Sensor	



Third-year students of Section A from the EEE Department carried out the design and construction of a Clap Switch Circuit using a sound sensor under the guidance of Mr. S. John Powl, Assistant Professor, and Mr. S. Elanthamizh, Assistant Professor, EEE Department. As part of the activity, the students assembled the circuit components and connected the sound sensor to detect clap signals. The circuit was designed to respond to sound input and control an LED accordingly. During the testing phase, the students verified the functionality of the circuit by producing a clap sound to activate the LED. The successful response of the LED confirmed the proper working of the clap switch circuit. This practical activity helped students understand the application of sound sensors and switching circuits in automation systems.



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MADAGADIPET, PUDUCHERRY - 605 107



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SCHEDULE FOR ENGINEERING CLINIC / CLUB ACTIVITY- PROJECT BASED LEARNING
EVEN SEMESTER (DECEMBER 2025 TO APRIL 2026)

Year/Sem/Sec: II/IV/A				
Day: Saturday				
Batch:2024-2028				
Sl.No	Date	Content's	Outcome	Faculty In-Charges
1.	27.12.2025	Design of all component tester	Able to design and produce tester circuit to check the components working condition	Mr.J.Muruganandham Mr.S.Mugundhan
2.	10.01.2026	Design of Joule Thief Circuit	Able to design and boost the inductor voltage level and drain the waste battery.	
3.	24.01.2026	Design of battery level indicator	Able to design and able to monitor the battery level	
4.	31.01.2026	Design of Serial light Circuit	Able to design simple serial light circuit used for various applications	
5.	14.02.2026	Design of free energy generator	Able to develop and produce free energy	
6.	14.03.2026	Design of Mosquito Killer Bat Circuit	Able to develop effective and safe electronic solutions for daily life challenges	

STAFF IN CHARGE

(P. Jarama)

HOD/EEE

Dean Academics

Director cum Principal

(P. Jarama) (Dr. S. Anbumala)



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
SCHEDULE FOR ENGINEERING CLINIC / CLUB ACTIVITY- PROJECT BASED LEARNING
EVEN SEMESTER (DECEMBER 2025 TO APRIL 2026)

Year / Sem / Sec: II / IV / B				Batch: 2024-2028
Day: Saturday				Faculty In-Charges
Sl.No	Date	Content's	Outcome	Dr.B.PUSHPA Mr.B.RAGHUNATH
1.	27.12.2025	Design of laser light security alarm	Able to design and the alarm activates almost instantly when the beam is broken.	
2.	10.01.2026	Design of Solar Mobile Phone Charger Circuit	Able to design, and evaluate a solar mobile phone charger circuit to convert solar energy to electrical energy to regulate 5V DC supply.	
3.	24.01.2026	Design of earthquake detector	Observe and analyze waveform responses during simulated seismic activity.	
4.	31.01.2026	Design of simple 555 timer traffic light circuit	Able to design fixed timing and low power and adopt to real time traffic conditions.	
5.	14.02.2026	Design of Metal Detector Circuit (Gold)	Able to develop detection systems for security, industrial, or exploration purposes	
6.	14.03.2026	Design of Mosquito Killer Bat Circuit	Able to develop effective and safe electronic solutions for daily life challenges	

STAFF IN CHARGE

HOD / EEE

Dean Academics

Director cum Principal

(P. Jamuna) (Dr. S. Anbumalar)

Academic Year	:	2025 – 2026	
Date/Day	:	27.12.2025/Saturday	Year/Sem/Sec: II/IV/B
Topic	:	Design of Traffic Light signal circuit using 555 Timer	



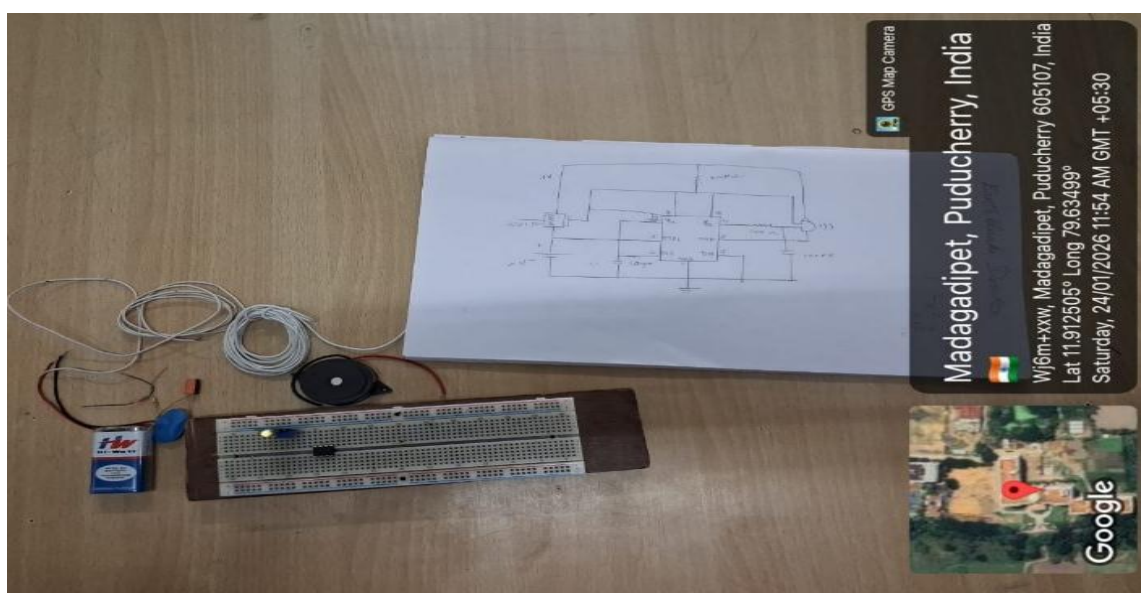
The traffic light signal circuit was assembled using the 555 Timer IC along with supporting components such as resistors, capacitors, LEDs, and connecting wires. The circuit was constructed on a breadboard to demonstrate the basic operation of an automated traffic signal system. The 555 Timer IC was configured to generate periodic timing signals for controlling the LED sequence. Red, yellow, and green LEDs were used to represent the traffic light indications. The timing components regulate the duration for each signal in the sequence. This setup demonstrates the fundamental principle of timer-based signal control used in traffic management systems.

Academic Year	:	2025 – 2026	
Date/Day	:	24.01.2026/Saturday	Year/Sem/Sec: II/IV/B
Activity	:	Design of Earthquake Detector Circuit	



The design of earthquake detector circuit was carried out as part of the Engineering Clinic activity using basic electronic components. The circuit was constructed on a breadboard with elements such as resistors, a vibration sensing mechanism, transistor, LED indicator, and buzzer. The vibration sensor acts as the primary sensing element to detect ground motion or disturbances. Under normal conditions, the circuit remains inactive with stable electrical signals. When vibration is detected, the sensor produces a signal that activates the alarm circuit. This activation triggers the LED and buzzer to indicate the presence of seismic movement.

Academic Year	:	2025 – 2026	
Date/Day	:	31.01.2026/Saturday	Year/Sem/Sec: II/IV/B
Title	:	Design of Laser Security Alarm	



The assembly of the laser security alarm circuit was carried out as part of the Engineering Clinic activity for second year students. Electronic components such as the laser module, Light Dependent Resistor (LDR), resistors, buzzer, and connecting wires were arranged on a breadboard. Proper alignment of the laser beam with the LDR sensor was ensured to establish the detection mechanism. The circuit connections were verified to maintain stable operation under normal conditions. Interruption of the laser beam results in a change in resistance of the LDR. This change activates the buzzer, thereby functioning as a security alert system.



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(APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO PONDICHERRY UNIVERSITY)
(ACCREDITED BY NBA-AICTE, NEW DELHI, ACCREDITED BY NAAC WITH "A" GRADE)
MADAGADIPET, PUDUCHERRY - 605 107



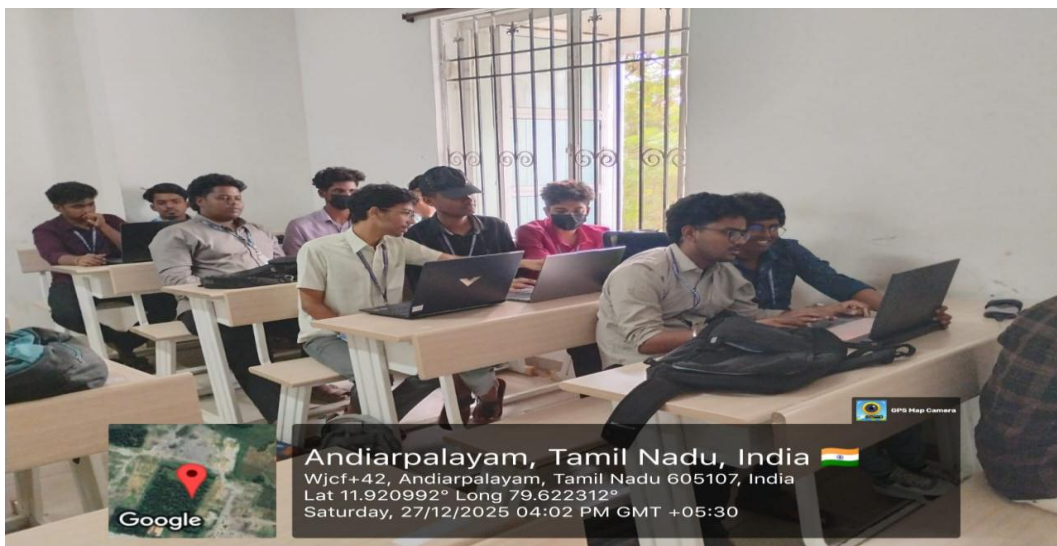
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

EVEN SEMESTER (Dec 2025 – April 2026)

Schedule for Engineering Clinic Activity-III-Year (A Section)

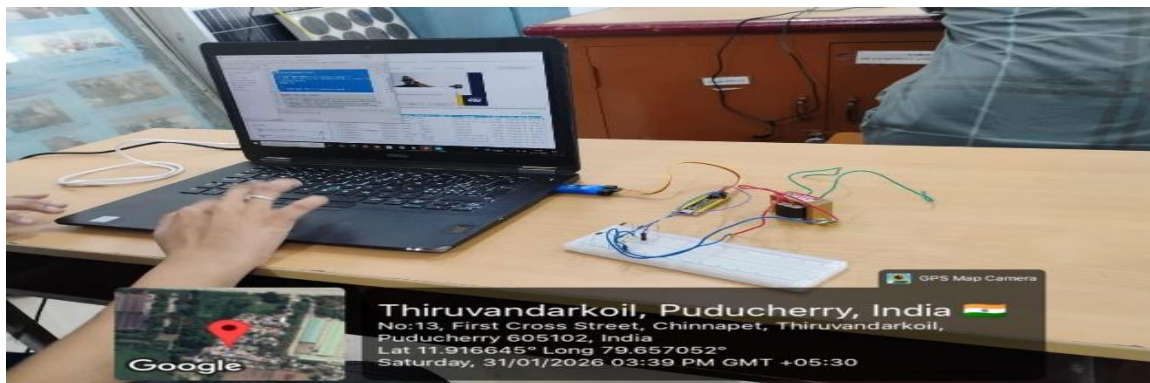
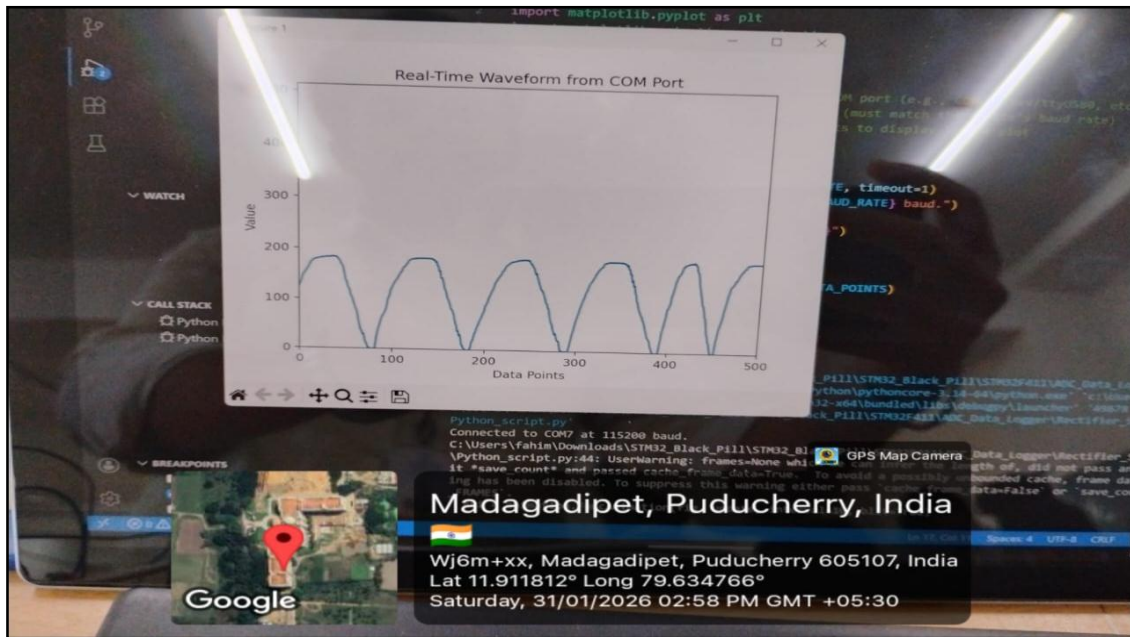
SL No	Date (Saturday)	Topics of Engineering Clinic Activity	Outcome
1.	27.12.2025	Designing and fabrication of firing circuit	• A fabricated firing circuit delivers isolated, synchronized gate pulses with sufficient drive strength to trigger SCR/TRIAC or switch IGBT/MOSFET reliably. • It demonstrates controllable firing angle or duty control, ensuring safe, noise-immune, and repeatable switching for power converters.
2.	10.01.2026	Demonstration and Installation - STM32CubeMX, STM32CubeIDE, STM32 Motor Control Software Development Kit (MCSDK)	• Able to understand basics of Embedded C code for the Arm Cortex-M core, through a step-by-step process. • Able to understand code generation, code compilation, and debug features for STM32 microcontrollers and microprocessors.
3.	24.01.2026	STM32F411CEU6 Interfacing ToF Laser Distance Sensor for Distance Measurement	Able to use an ToF Laser Distance Sensor (e.g., VL53L1X) to measure the distance of an object and display the results on an LCD.
4.	31.01.2026	STM32F411CEU6 Interfacing Ultrasonic Sensor (e.g., HC-SR04) for Object Detection	Able to implement the Interface of Ultrasonic sensor to detect objects and trigger an output (e.g., LED or buzzer) based on proximity.
5.	14.02.2026	Model development --case study 1 <i>Variable Power Supply Display for Current, Voltage & watts for DC supply</i>	Able to understand and implement the voltage and current sensor value Display in serial data screen monitor
6.	14.03.2026	Model development --case study 2 <i>Variable Power Supply Display for Current, Voltage & watts for AC supply</i> • Using 16x2 LCD display and STM32F411CEU6	

Academic Year	2025 – 2026	
Date / Day	27.12.2025 / Saturday	Year/Sem/Sec: III/VI/A,B
Topic	Embedded System Development and Sensor Interfacing Using STM32	
Content	Demonstration and Installation • STM32CubeMX • STM32CubeIDE • STM32 Motor Control Software Development Kit (MCSDK)	



The Engineering Clinic session included the demonstration and installation of essential software tools used for STM32-based embedded system development. Students were introduced to STM32CubeMX, a graphical configuration tool used to initialize microcontroller peripherals, configure clock settings, and generate initialization code efficiently. The installation and basic features of STM32CubeIDE were also demonstrated, providing students with an integrated development environment for writing, compiling, debugging, and uploading firmware to STM32 microcontrollers. In addition, the STM32 Motor Control Software Development Kit (MCSDK) was installed and explained, highlighting its role in developing advanced motor control applications using STM32 devices. This session helped students understand the development workflow, from peripheral configuration to code development and motor control implementation using STM32 software tools.

Academic Year	2025 – 2026	
Date / Day	31.01.2026 / Saturday	Year/Sem/Sec: III/VI/A&B
Topic	Embedded System Development and Sensor Interfacing Using STM32	
Content	Interfacing STM32F411CEU6 ADC with UART for Real-Time Data Visualization using Python and Matplotlib	



The Engineering Clinic activity demonstrates real-time data acquisition and visualization using the STM32F411CEU6 microcontroller. In this setup, the internal Analog-to-Digital Converter (ADC) of the microcontroller samples analog signals and converts them into digital values. These ADC readings are transmitted to a computer through UART serial communication, enabling continuous data transfer.

Annexure – XI
Details of Research Activities carried out
during AY:2025-26



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PUDUCHERRY

Department of
Electrical and Electronics Engineering

Patents Published



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

AY 2025 - 2026

S.No	Applicant Name	Inventors name	Patent Title	Application No & Date of Registration	Status
1.	Sri Manakula Vinayagar Engineering College	1. Mr. Mukeshkumar R 2. Dr. K. Velmurugan 3. Dr. L. Martin 4. Dr.S. Anbumalar 5. Dr.P. Jamuna 6. Mr.B.Parthiban	Endorest - Smart Dual Section Inflatable Positioning Device for Laryngoscopy and Endoscopy	202541054556 06-06-2025	Published 27-06-2025
2.	Sri Manakula Vinayagar Engineering College	1. Mr.W.Herwin 2. Mr.M.Sharan Kumar 3. Dr.S. Anbumalar 4. Dr.P. Jamuna 5. Dr.D.Raja 6. Mr.B.Parthiban	EEG and EMG Signals based Control of Transhumeral Robotic Prosthetic ARM using NMF Algorithm	202541054557 06-06-2025	Published 27-06-2025
3.	Sri Manakula Vinayagar Engineering College	1. A.Ruthresh 2. Dr. K. Velmurugan 3. Dr. L. Martin 4. Mukeshkumar R	Safemate-Ai-Integrated Wearabale Device For Fall Prevention And Health Monitoring In Elderly People	202541055360 09-06-2025	Published 27-06-2025
4.	Sri Manakula Vinayagar Engineering College	1.Mr.K.Thangaraj 2. Dr.D.Raja 3. Mr.J.Muruganandham 4. Mr.S.Mugundhan	Electromagnetic-Acoustic Coupled System for Low-Noise PMSM	202541083130 02-09-2025	Published 26-09-2025

5.	Sri Manakula Vinayagar Engineering College	1.Dr.S.Anbumalar 2.Mr.S.Lalith Kumar 3.Mr.Arokia Anandu Prasanthu .A 4.Mr.Vignesh.M 5.Mr.Dharani.E 6.Mr.R.Mukesh kumar	Smart Chlorine Testing Kit for Real-Time Water Quality Monitoring	202541083131 02-09-2025	Published 26-09-2025
6.	Sri Manakula Vinayagar Engineering College	1.Dr.S.Anbumalar 2.Mr.B.Parthiban 3.Mr.S.Johnpowl 4.Mr.G.Rajavel	Efficient Hydropower Generation using Impulse Turbine	202541083132 02-09-2025	Published 24-10-2025
7.	Sri Manakula Vinayagar Engineering College	1.Mr.S.Johnpowl 2.Dr. S. Ganesh Kumaran 3.Mr.B.Parthiban 4.Mrs.T.Porselvi	Sustainable Energy Harvesting Technology for E-Bicycle	202541083175 02-09-2025	Published 26-09-2025
8.	Sri Manakula Vinayagar Engineering College	1.Dr.D.Raja 2.Dr.S.Anbumalar 3.Mr.G.Rajavel 4.Ms.T.Abinayasaraswathy	Sustainable and Affordable BLDC Motor for Next Generation Electric Vehicles	202541083177 02-09-2025	Published 26-09-2025
9.	Sri Manakula Vinayagar Engineering College	1.Mr. S. Elanthamizh 2. Dr. D. Raja 3. Mr. J. Muruganandham 4. Mr. K. Thangaraj	IOT Enabled Device for Converting Pet and HDPE Waste into 3D Printer Filament	202541083178 02-09-2025	Published 26-09-2025
10.	Sri Manakula Vinayagar Engineering College	1.Mr.S.Johnpowl 2. Dr.D.Sivaraj 3. Dr.S.Ganesh Kumaran 4. Mr.I.Shivasankkar	BLDC Grinder with Integrated Fuzzy Logic Torque Ripple Control	202541083179 02-09-2025	Published 26-09-2025
11.	Sri Manakula Vinayagar Engineering College	1.Dr.P.Jamuna 2.Mr.R.Vignesh 3.Dr.D.Sivaraj 4.Mr.I.Shivasankkar	IOT Integrated Sericulture Assistant and Automatic Food Feeder	202541083205 02-09-2025	Published 26-09-2025
12.	Sri Manakula Vinayagar Engineering College	1.Mr.B.Parthiban 2. Dr.P.Jamuna 3. Dr.D.Sivaraj 4. Mr.B.Raghunath	NMF-Based Brain-Controlled Bionic ARM with Integrated Home Appliance	202541083206 02-09-2025	Published 26-09-2025

13.	Sri Manakula Vinayagar Engineering College	1.Dr. S. Ganesh Kumaran 2.Dr.P.Jamuna 3.Mr.K.Thangaraj 4.Mr.R.Vignesh	Energy-Efficient Led Lighting and Smart Climate Control in Hydroponic System of Vertical Farming	202541083208 02-09-2025	Published 26-09-2025
14.	Sri Manakula Vinayagar Engineering College	1. Dr. P. Jamuna 2. Balaji. A 3. Kishore Kumar. S 4. Elanchezhiyan. S	Compact Energy Storage Device with Enhanced Lithium-Ion Cell Design	202541132801 29-12-2025	Filed (DC)
15.	Sri Manakula Vinayagar Engineering College	1. Dr. D. Raja 2. Mr. J. Muruganandham 3. Mr. I. Shivasankkar 4. Dr. D. Sivaraj	Smart Digital Bulletin System Using IOT	202541132802 29-12-2025	Filed (DC)



RESEARCH AND DEVELOPMENT CELL

Consolidated Research Activity Report

(May 2024- June 2025)

Department of Electrical and Electronics Engineering

Research proposal submitted to various Funding Agencies

Sl. No	Principle Investigator	Title of Project / Grants	Funding Agency	Amount (Rs. in Lakhs)	Duration of the project
1	Dr.S.Anbumalar	Investigation on Estimation of state of Charge (SOC) and State of Health (SOH) by machine learning for Lithium-Ion Battery by Digital Twin Framework File Number : ANRF/ARG/2025/011272	ANRF-Advanced Research Grant (ARG)	50 lakhs	5 Years (Applied)

Consultancy Works

Sl. No	Name of the Faculty	Nature of Consultancy	Funding Agency	Fund Generated	Duration of the Consultancy
1	Mr.B.Parthiban	STM based BLDC motor controller by FOC and 6-step mode	Lucas-TVS Ltd., Puducherry	In progress	01 Year



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Department of Electrical and Electronics Engineering

PUBLICATION DETAILS

**International Conference
2025-2026**

S.No	Title of the Paper	Name of the Authors	Title of the Proceedings of the Conference	ISBN / ISSN	Publisher
1.	High efficiency zeta converter with intelligence RBFNN-MPPT for photovoltaic based grid tied system	S. Marisargunam, M. Manusha, S. Sree Dharinya, Parthiban B, Chelumala Nirisha, Venkateshwaran	2025 International Conference on Intelligent Communication Networks and Computational Techniques (ICICNCT 2025), Sep 2025	-	IEEE
2.	Portable raspberry pi-based braille and audio reader for the visually impaired	S. Shalini, J. Muruganandham, A. Monika	International Conference on Computational Technologies for Research in Data Analytics, Duy Tan University, Da Nang, Vietnam, in association with Rayat Bahra University, Mohali, Vol. 1, 2025.	-	SSRN Solutions



Department of Electrical and Electronics Engineering

PUBLICATION DETAILS

**International Journal
2025-2026**

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.	Optimized MIMO Controller Based High Gain DC-DC Converter for Electric Vehicle Applications	K. S. Kavin, S. Sridevi, I. Shivasankkar , S. Ragu	ARNP Journal of Engineering and Applied Sciences	Vol. 20, issue 19, October 2025, pp. 1705 – 1720.	Scopus	Published
2.	A Non-Isolated Power Factor Correction Bridgeless High Gain Sepic Employing CPSO-PI Controller for Induction Motor Applications	A. Mohamed Faizal , K. Murugesan , V. Thanka Jebarsan, S. Elanthamizh , R. Maheswaran, N. Janaki	International Journal of Electrical and Electronics Engineering	Volume 12 Issue 7, 73-85, July 2025.	Scopus	Published
3.	Attainment of Course Outcomes (COs) and Program Outcomes (POs) in Outcome Based Education (OBE)	K. Thangaraj, S. Anbumalar, P. Jamuna, A. Janagiraman	Journal of Engineering Education Transformations	Volume 39, No. 1 , July 2025 , ISSN 2349-2473	Scopus	Published
4.	Advanced adaptive neuro-fuzzy inference system controller for optimizing pH neutralization process control	Ramesh Suguna Baldwin Immanuel Thankaraj Usha Kothandaraman Muruganandham Jeevananthan	The Canadian Journal of Chemical Engineering	Aug 2025, pp 1-22, ISSN 1939-019X	SCIE	Published Impact Factor: 1.9
5.	An effective power quality enhancement system for integrated photovoltaic cells utilizing cascaded ANFIS in a unified power quality conditioner	Saritha Kandukuri, Ramesh Guguloth, A. Sivakumar , I. Shivasankkar , Ananthan Nagarajan, N. Janaki	Future Technology	Vol. 4, No.3, Aug 2025/, pp 171-181, ISSN 2832-0379	Scopus	Published
6.	Effects of FTP-75 mode vehicle fuel economy on	Parthiban B., S. Anbumalar,	Indian Journal of Technical	vol. 48, no. 3,	UGC	Published

	front wheel driven hybrid source electrical vehicle	P. Jamuna, D. Raja	Education	July–September 2025		
7.	Phase change material integrated geopolymers as an energy efficient building material: Technical insights on formation, characterization, structural/thermal performance and applications	Anbazhagan N, Jayaprabakar J, Harish V, Sivaraj D	Environmental Progress & Sustainable Energy	45(1), October 2025	SCIE	Published
8.	Investigation of Modal Properties of Rotor Systems using FEM and Mathematical Modeling for Turbocharger Optimization	Mr.G.Rajavel	International Journal of Vehicle Structures and Systems	2025, Vol 17, Issue 5, p745, 0975-3540	Scopus	Published



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Department of Electrical and Electronics Engineering

BOOK CHAPTER

2025-2026

S. No.	Title	Authors	Book Name	ISBN Number	Publisher
1.	Improved High Gain DC-DC Luo Converter with Crow search algorithm based MPPT for EV Applications	Dr.V.Balaji, Mr.Kavin.K.S, Dr.Pretty Mary Tom, Dr.Murali Matcha, Dr.R.Senthil Rama, Mr.K. Thangaraj	Lecture Notes in Electrical Engineering (LNEE,volume 1465) February 2026, pp. 77–88	ISBN-13: 978-981-95-0207-3	Springer Nature
2.	An Overview of Technologies, Energy Management Systems, and Challenges in Integrating Solar Energy Systems for Energy Transition	G. Jegadeeswari, D. Lakshmi, S. John Powl , A. Janagiraman, S. Suhasini, B. Kirubadurai U. Sowmmiya	Distributed Energy and Smart Grids: Sustainable Energy for the Future 2026, pp: 1-22 (22)	ISBN: 979-8-89881-339-0	Bentham Science Publisher

Annexure – XII
Details of Placement and various
Achievements during AY:2025-26



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Placement Details for the Academic Year 2025-26

Sl. No	Reg. No	Name	Company	Package
1	22UEE029	Herwin W	TCS Digital	7.09 LPA
2	22UEE038	Keerthana G M	Avasoft	6.00 LPA
3	22UEE030	Ishwarya Lakshmi S	Brakes India	5.13 LPA
4	22UEE016	Chandru A	XPRESS-BEES	4.26 LPA
5	22UEE007	Arokia Anandu Prasanthu A	Tessolve	4.00 LPA
6	22UEE015	Callis Joseph E	CTS-GenC	4.00 LPA
7	22UEE022	Gokulraj R	CTS-GenC	4.00 LPA
8	22UEE022	Gokulraj R	Qmax	4.00 LPA
9	22UEE027	Harini L	CTS-GenC	4.00 LPA
10	22UEE028	Hemachandasnam S	Qmax	4.00 LPA
11	22UEE029	Herwin W	CTS-GenC	4.00 LPA
12	22UEE046	Mahesh R	CTS-GenC	4.00 LPA
13	22UEE072	Ramya S	Acmegrade Pvt. Ltd.	4.00 LPA
14	22UEE077	Sakthishwari S	CTS-GenC	4.00 LPA
15	22UEE078	Sanchi Venkatesh	CTS-GenC	4.00 LPA
16	22UEE048	Mohamad kaseem M	PraganSys IT Consultancy	3.5LPA to 4.5 LPA
17	22UEE053	Murugan T	Hyundai Kefico	3.57 LPA
18	22UEE079	Sanjay U	Hyundai Kefico	3.57 LPA
19	22UEE005	Anandharaman V	Hyundai Kefico	3.57 LPA
20	22UEE004	Akash N	Hyundai Kefico	3.57 LPA
21	22UEE017	Dhanaveeranes J	Hyundai Kefico	3.57 LPA
22	22UEE014	Barani Dharan A	Hyundai Kefico	3.57 LPA
23	22EEL004	Jayakumar S	TCS Ninja	3.46 LPA
24	22UEE018	Dhinish N	TCS - Ninja	3.46 LPA
25	22UEE023	Gopika J	TCS - Ninja	3.46 LPA
26	22UEE028	Hemachandasnam S	TCS - Ninja	3.46 LPA
27	22UEE036	Karthikraja S	TCS - Ninja	3.46 LPA
28	22UEE040	Lalith Kumar S	TCS - Ninja	3.46 LPA
29	22UEE046	Mahesh R	TCS - Ninja	3.46 LPA
30	22UEE056	Nivethitha B	TCS - Ninja	3.46 LPA
31	22UEE069	Rajesh M	TCS - Ninja	3.46 LPA

32	22UEE094	Varunesh S	TCS - Ninja	3.46 LPA
33	22UEE022	Gokulraj R	TCS - Ninja	3.46 LPA
34	22UEE088	Thilipan Siva Hari S	Schiller Healthcare India	3.30 LPA
35	22UEE090	Thiruvengadam P	Avalon	3.00 LPA
36	22UEE071	Ramkumar S	Avalon	3.00 LPA
37	22UEE052	Mukeshkumar R	Pristyn	3.00 LPA
38	22UEE084	Srilogeshwaran S	Yuzhan Technology India Pvt. Ltd.	2.76LPA
39	22EEL002	Bharathkumar S	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
40	22UEE001	Abhinayaa M	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
41	22UEE005	Anandharaman V	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
42	22UEE009	Arunpradaap S	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
43	22UEE013	Balakumaran A	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
44	22UEE028	Hemachandasanam S	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
45	22UEE040	Lalith Kumar S	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
46	22UEE057	Pampana Karuna Prabhas	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
47	22UEE059	Pavinthran U	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
48	22UEE064	Pugazh Selvan P	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
49	22UEE082	Sharan Kumar M	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
50	22UEE092	Unilkumar D	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
51	22UEE094	Varunesh S	Yuzhan Technology India Pvt. Ltd.	2.76 LPA
52	22UEE085	Suryaprakash B	M/S Ashok Leyland	2.53LPA
53	22UEE032	Jayalakshmi L	Block Ultimate Protection.,	2.40 LPA
54	22UEE041	Lathikaa V	Block Ultimate Protection.,	2.40 LPA
55	22UEE075	Reeshma R	Block Ultimate Protection.,	2.40 LPA
56	22UEE080	Sarulatha T	Block Ultimate Protection.,	2.40 LPA
57	22UEE101	Yugandiran R	Toot MNE Tech Pvt. Ltd.	2.04 LPA
58	22UEE003	Akashkumar N	Tempel Precision	3.00 LPA
59	22UEE011	Aswin Kumar A	Tempel Precision	3.00 LPA
60	22UEE017	Dhanaveeranesh J	Tempel Precision	3.00 LPA
61	22UEE021	Gokularamanane M S	Tempel Precision	3.00 LPA
62	22UEE024	Gopikrishnan P	Tempel Precision	3.00 LPA
63	22UEE066	Ragul A	Tempel Precision	3.00 LPA
64	22UEE083	Sivapothis M	Tempel Precision	3.00 LPA



SRI MANAKULA VINAYAGAR
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26
YEARS

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Institution Credentials, Students and Faculty Achievements

Institution Credentials:

Our Institution received many awards and credentials since its inception. Few has been listed

- ❖ NIRF ranked Institution in NIRF 2024 (Rank band 201-300)
- ❖ ICT Academy honoured the Chairman and Managing Director as Education Change Maker
- ❖ Best Centre in Infosys Finishing School Employ ability Youth Development by ICT Academy
- ❖ Best Educational Partner Award by MongoDB Academy
- ❖ India Today Ranked 155th position in best private Colleges – Engineering
- ❖ Data Quest ranked 56th position among the top 100 Government T-Schools Overall (Government and Private) and 50th position among the top 100 Government T-Schools Private in India
- ❖ Principal Excellence Award-2024 by Eduskills in collaboration with AICTE to our Director Dr.V.S.K. Venkatachalapathy
- ❖ Received Best Student Chapter from Institution of Engineers (IEI), Puducherry State Centre.
- ❖ Academic Partner Excellence Award 2024 by ICT Academy of Tamil nadu

Students Achievements:



K. Surendar and V. Gokul , III Year / V Semester students of the Department of EEE, won the Smart India Hackathon (Hardware Edition) and received a cash prize of ₹1,50,000. The event was organized

by O.P. Jindal University under the Ministry of Education, AICTE, and MoE's Innovation Cell on 12.12.2025



A. Arokia Anandu Prasanthu, S. Lalith Kumar, S. Arun Pradeep, and R. Mukesh Kumar, Kavi Manjari.L IV Year / VII Semester students of the Department of EEE, won the Smart India Hackathon (Hardware Edition) and received a cash prize of ₹1,50,000. The event was held at GL Bajaj Institute of Technology and Management under the Ministry of Education, AICTE, and MoE's Innovation Cell on 12.12.2025.



B. Shibhu and P. Sivaraj, III Year / V Semester students of the Department of EEE, won the Second Prize with a cash award of ₹1,000 in the Paper Presentation competition organized by the Department of ECE, Sri Sairam Institute of Technology, Chennai, on 08.08.2025



Students from the Department of EEE won the Best Performance Award in the International Yoga Day Competition organized by the Department of Sports, Sri Manakula Vinayagar Engineering College, on 09.07.2025.



Students from the Department of EEE won the Fourth Prize in the March Past Competition on Republic Day, organized by the Department of Sports at Sri Manakula Vinayagar Engineering College on 26.01.2026.

Faculty Achievements



Mr. G. Rajavel, Assistant Professor/EEE, mentored third-year EEE students who won the First Prize in the Smart India Hackathon (Hardware Edition) and received a cash award of ₹1,50,000. The event was organized by O.P. Jindal University under the Ministry of Education, AICTE, and the MoE's Innovation Cell on 12.12.2025.



Under the mentorship of Dr. D. Sivaraj, Assistant Professor/EEE, third-year EEE students achieved First Prize in the Smart India Hackathon (Hardware Edition), earning a cash award of ₹1,50,000. The hackathon was organized by GL Bajaj Institute of Technology and Management under the Ministry of Education, AICTE, and the MoE's Innovation Cell on 12.12.2025.



Mr. I. Shivasankkar, Assistant Professor/EEE, has successfully completed the Talent Next Advanced Technology Certification Program on Artificial Intelligence and Machine Learning conducted by Wipro from 01.09.2025 to 05.09.2025.



Dr. P. Meganathan, Associate Professor, Department of EEE, has successfully completed the AICTE–QIP PG Certificate Programme in Machine Learning and Cyber Security for Physical Systems, organized by the Indian Institute of Technology, Tiruchirappalli, under the All India Council for Technical Education (AICTE), conducted from June 2025 to December 2025.

Annexure – XIII
Equivalent courses identified between
R2020 and R2023 Regulations



DETAILS OF EQUIVALENT COURSES IN R 2023 CURRICULUM FOR THE COURSES IN R 2020

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Sl. No.	Year / Sem	Name of the Course with code under R-2020 Regulations (All the Courses in a semester to be mentioned with course code)	For Question Paper Setting with respect to R-2020 Regulations		
			Equivalent Course Name with Code in R-2023 Regulations (Courses which are not modified / content reduced)	Course is retained with modification in the content / Course content increased)	If Course is Removed (Yes)
1.	I / I	Theory:			
		1.Engineering Mathematics – I Calculus and Linear Algebra (U20BST101)	-	Engineering Mathematics – I (U23MATC01)	-
		2.Programming in C (U20EST101)	-	Programming in C (U23CSTC01)	-
		3.Engineering Mechanics (U20EST119)	-	Engineering Mechanics (U23ESTC02)	-
		4.Electrical Engineering (U20EET101)	-	Electrical Engineering (U23EET101)	-
		5.Electronic Devices (U20EET102)	-	Electronics – I (U23EET102)	-
2	I / II	Theory:			
		1.Engineering Mathematics –II Multiple Integrals and Transforms (U20BST215)	Engineering Mathematics –II (U23MATC02)	-	-
		2.Basic Engineering Science for Electrical Engineering (U20EST238)	-	-	Yes
		3.Electric Circuit Analysis (U20EET203)	-	Electric Circuit Analysis (U23EEB301)	-
		4.Electrical Machines – I (U20EET204)	-	Electrical Machines – I (U23EET305)	-
		5.Electronic Circuits (U20EET205)	-	Electronics – II (U23EET203)	-
		6.Digital Electronics (U20EET206)	-	-	Yes

3	II/III	Theory:			
		1.Complex Analysis and Applications of Partial Differential Equations (U20BST320)	-	-	Yes
		2.Data Structures (U20EST356)	-	Data Structure (U23CSTC03)	-
		3.Electrical Machines – II (U20EET307)	-	Electrical Machines – II (U23EET407)	-
		4.Linear Integrated Circuits (U20EET308)	-	Electronics – III (U23EET306)	-
		5.Electromagnetic Theory (U20EET309)	-	Electromagnetic Theory (U23EET304)	-
		6.Power Plant Engineering (U20EET310)	Conventional Power Engineering (U23EEE403)	-	-
4	II/IV	Theory:			
		1.Probability and Statistics (U20BST430)	-	Probability and Statistics (U23MATC03)	-
		2.Programming in JAVA (U20EST467)	-	Programming in JAVA (U23ITTC02)	-
		3.Measurements and Instrumentation for Electrical Engineering (U20EET411)	-	Electrical Measurements and Instrumentation (U23EET509)	-
		4.Microprocessor and Microcontroller (U20EET412)	-	Microprocessor and Microcontroller (U23EET510)	-
		Professional Elective :			
		5. Electrical Safety Engineering (U20EEE401)	-	Electrical Safety Engineering (U23EEDC01)	-
		6. Energy Storage Technology (U20EEE405)	-	Energy Storage Technology (U23EEE404)	-
		7. Computer Aided Design for Electrical Apparatus (U20EEE402)	-	-	Yes
		8. Sensors and Transducers for Electrical Engineering (U20EEE403)	-	-	Yes
		9. Finite Element Analysis (U20EEE404)	-	Finite Element Analysis for Electrical Engineering (U23EEE611)	-
5	III/V	Theory:			
		1.Numerical Methods and Optimization (U20BST542)	-	Numerical Methods and Optimization (U23MATC04)	-
		2.Power Electronics (U20EET513)	-	Power Electronics (U23EET613)	-
		3.Control Systems	-	Control Systems	-

		(U20EET514)		(U23EEB402)	
		4. Transmission and Distribution (U20EET515)	-	Transmission and Distribution (U23EET408)	-
		Professional Elective :			
		5. Utilization of Electrical Energy (U20EEE506)	-	Utilization of Electrical Energy (U23EEE506)	-
		6. Automotive Electronics for Electrical Engineering (U20EEE509)	Automotive Electronics for Electrical Engineering (U23EEE509)	-	-
		7. Electrical Energy Audit and Conservation (U20EEE508)	Electrical Energy Audit and Conservation (U23EEE613)	-	-
		8. Electric Traction (U20EEE507)	Electric Traction (U23EEE612)	-	-
		9. Industrial Electrical System (U20EEE510)	-	Industrial Electrical System (U23EEE826)	-
6	III/VI	Theory:			
		1. Embedded System (U20EET616)	-	Embedded Systems (U23EET612)	-
		2. Renewable Energy Sources (U20EECM01)	-	Renewable Energy Sources (U23EET715)	-
		3. Power System Analysis (U20EET618)	Power System Analysis (U23EET611)	-	-
		4. Electrical Machine Design (U20EET619)	-	Electrical Machine Design (U23EEB603)	-
		Professional Elective :			
		5. Electric Drives (U20EEE613)	-	-	Yes
		6. Robotics and Automation (U20ECCM02)	-	Robotics and Automation (U23EEE822)	-
		7. High Voltage Engineering (U20EEE612)	-	High Voltage Engineering (U23EEE508)	-
		8. Virtual Instrumentation (U20ICCM02)	-	-	-
		9. Digital Signal Processing (U20EEE614)	-	Digital Signal Processing for Electrical Engineering (U23EEE824)	-
7	IV/VII	Theory:			
		1. Industrial Automation and Control (U20EET720)	-	Industrial Automation and Control (U23EET714)	-
		2. Electric Vehicle Technology (U20EECM02)	-	Electric and Hybrid Vehicles (U23EEDC02)	-
		Professional Elective :			
		3. Special Electrical Machines	-	Special Electrical Machines	-

		(U20EEE720)		(U23EEE507)	
		4. Fuzzy Logic and Neural Networks (U20ICCM01)	-	Intelligent Control Techniques for Electrical Applications (U23EEE614)	-
		5. Distributed Generation and Microgrids (U20EEE716)	-	-	Yes
		6. Advanced Control Systems (U20EEE717)	Modern Control Systems (U23EEE510)	-	-
		7. Power System Operation and Control (U20EEE719)	-	Power System Operation and Control (U23EET718)	-
8	IV/ VIII	Theory:			
		1. Protection and Switchgear (U20EET822)	-	Protection and Switchgear (U23EEE823)	-
		Professional Elective :			
		2. SMPS and UPS (U20EEE823)	-	SMPS and UPS (U23EEE821)	-
		3. Power System Economics (U20EEE821)	-	-	Yes
		4. FACTS (U20EEE822)	-	Flexible AC Transmission System (U23EEE719)	-
		5. Optimization Techniques (U20EEE824)	-	Optimization Techniques (U23EEE829)	-
		6. Fundamentals of Solar photovoltaic system and applications (U20EEE825)	Solar Photovoltaic Fundamental and Applications (U23EEOC01)	-	-
		7. Smart Grid (U20EEE826)	-	Smart Grid (U23EEE830)	-
		8. EHV AC and DC transmission (U20EEE827)	-	-	Yes
		9. Restructured Power System (U20EEE828)	-	Restructured Power System (U23EEE828)	-
		10. Power System Stability (U20EEE829)	-	-	Yes
		11. Power Electronics for Renewable Energy Systems (U20EEE830)	-	Power Electronics for Renewable Energy Systems (U23EEE827)	-

Open Elective Courses offered by EEE to other branches:

Sl. No.	Year / Sem	Name of the Course with code under R-2020 Regulations (All the Courses in a semester to be mentioned with course code)	For Question Paper Setting with respect to R-2020 Regulations		
			Equivalent Course Name with Code in R-2023 Regulations(Courses which are not modified / content reduced)	Course is retained with modification in the content/Course content increased)	If Course is Removed (Yes)
1	II/IV	Solar Photovoltaic Fundamental and applications (U20EEO401)	-	Solar Photovoltaic Fundamental and Applications (U23EEOC01)	-
2	II/IV	Electrical Safety (U20EEO402)	-	Electrical Safety Engineering (U23EEDC01)	-
3	III/V/VI	Conventional and Non-Conventional Energy Sources (U20EEO503/	-	-	Yes
4	III/V/VI	Industrial Drives and Control (U20EEO504/ U20EEO604)	-	-	Yes
5	IV/VII	Electric Vehicle Technology (U20EECM02)	-	Electric and Hybrid Vehicles (U23EEDC02)	-
6	IV/VII	Electrical Energy Conservation and Auditing (U20EEO706)	-	Energy Conservation and Management (U23EEOC02)	-