

**DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING**



**PROGRAMME ADVISORY
COMMITTEE MEETING
10.06.2024**

**SESHASAYEE INSTITUTE OF TECHNOLOGY
(AUTONOMOUS)
TIRUCHIRAPPALLI – 620 010.**

SESHASAYEE INSTITUTE OF TECHNOLOGY, TIRUCHIPPALLI-620010
(Autonomous Institution)

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

Programme Advisory Committee
Meeting

Date : 10.06.2024

Time : 2.30 pm

Venue : Conference Hall , SIT

Agenda

- ✓ To discuss current F-scheme and Board R23-scheme Curriculum and Syllabus.
- ✓ To discuss and finalize draft Curriculum for G-scheme
- ✓ To discuss and finalize draft Syllabus for G-scheme
- ✓ To discuss the possible courses for Advanced Skill Certification
- ✓ Any other matter

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10.06.2024

Proceedings of Programme Advisory Committee meeting held on 10/06/2024 [Monday] to finalize the curriculum and syllabus of G-scheme from III to VI term of Diploma in Electrical and Electronics Engineering to be implemented from the academic year 2024-2025.

MEMBERS PRESENT

Sl. No.	Name	Designation & Address
1	DR.G.BALASUBRAMANIAN	Senior Asst Professor, School of EEE, SASTRA DEEMED UNIVERSITY, Tanjore.
2	DR.M.SUNDARARAJAN.	Lecture / EEE, Government Polytechnic College, Trichy.
3	TMT. M.RENGANAYAGI	TANGEDCO, Vazhavanthan Kottai SS, Trichy
4	Mr.K. SARAIVANAN	HOD/EEE, S I T.
5	Mr.S.G.KADHIRAVAN	Lecturer(SG)/EEE, S I T.
6	Mrs.M. ESWARI	Lecturer(SG)/EEE, S I T.
7	Mr.S.SIVAKUMAR	Lecture / EEE, SIT.
8	Mrs.T.SRIPRIYA	Lecture / EEE, SIT.
9	Mrs.R.SAVITHIRI	Lecture / EEE, SIT.

Minutes of the PAC Meeting held on 10.06.2024

- It is decided to offer 8,7,8 & 3 courses for III,IV, V & VI Terms respectively.
- New concept “Practicum” in all terms is introduced at par with Board 2023 Regulations.
- “Programming in C” is included as a Practicum course in III Term. The content of the syllabus shall be same as Board 2023 Regulations syllabus.
- Two more Practicum subjects introduced in III Term. “Analog and Digital Electronics” Theory in IV Term F Scheme is now Practicum in G Scheme and “Measurements & Instrumentation” Course in IV Term is “Sensors & Measurement” Practicum.
- “Health & Wellness” is introduced along with many courses under Integrated Learning Experience. It has 1 credit.
- Advanced Skills Certification, Growth Lab, Induction Program, I&E/ Club Activity/ Community Initiatives, Shop floor Immersion, Student-Led Initiative, and Emerging Technology Seminars are also introduced in III Term.
- “Electrical Circuits & Machines Lab” in III Term is renamed as Electrical Machines – I Lab”.
- “Electrical Workshop” in III Term is renamed as “Servicing of Electrical Appliances” and moved to IV Term.
- The Course “Energy Conservation and Audit” in IV Term F Scheme is moved to VI Term in G Scheme.
- “CAD & Simulation Lab” in IV Term is renamed as “Electrical CAD Design”.
- “Electrical Machines & Instrumentation Lab” in IV Term is renamed as Electrical Machines – II Lab”.
- The contents of F Scheme Courses “Power System- I” in V Term & “Power System- II” in VI Term are shuffled and renamed as “Generation, Transmission & Distribution” and Power System Protection and Utilization in G Scheme IV & V Terms.
- “Control and Maintenance of Electrical Machines” Elective in V Term is converted into Practicum.
- “Wiring, Estimation & Winding lab” in V Term is removed and introduced as an Advanced Skill Certification” Course in V Term.

- “Entrepreneurship & Start Up” in V Term is renamed as “Innovation and Start Ups”.
- “Power Electronics” in VI Term is moved to V Term.
- “Project Work” in VI Term is renamed as “Internship/Fellowship/In-House Project”
- Obsolete and repeated portions shall be deleted from the syllabus.
- It is decided to retain the content of other subjects as in F-scheme & Board 2023 Regulation.

Sd/-

Seshasayee Institute of Technology, (Autonomous) Trichy.
Comparison of G-Scheme syllabus with F - scheme syllabus

III Term

Sl.No.	Courses in F Scheme	Courses in G Scheme	Comments
1	Electrical Circuit Theory	Electrical Circuit Theory	Same as Board 2023 Regulation
2	Electrical Machines - I	Electrical Machines I	Same as Board 2023 Regulation
3	Electronic Devices And Circuits	Analog and Digital Electronics	Practicum - Electronic Devices And Circuits subject contents included in Analog and Digital Electronics
4	Measurements And Instrumentation	Sensors and Measurement	Practicum
5	Electrical Circuits And Machines Lab	Electrical Machine- I Practical	Same as Board 2023 Regulation
6	Electronic Devices And Circuits Lab	Programming in C	Practicum – New Subject introduced
7	Electrical Workshop	Servicing of Electrical Appliances	Moved to 4 th term

IV Term

Sl.No.	Courses in F Scheme	Courses in G Scheme	Comments
1	Electrical Machines – II	Electrical Machines II	Same as Board 2023 Regulation
2	Analog & Digital Electronics	Advanced to III Term	Practicum
3	Energy Conservation And Audit	Moved to 6 th Term as elective	--
4	E – Vehicle Technology & Policy	Moved to 5 th Term	--
5	Electrical Machines and Instrumentation Lab	Electrical Machines-II Practical	--
6	Analog & Digital Electronics Lab	Advanced to III Term	Practicum
7	CAD & Simulation Lab	Electrical CAD Design	Practicum

V Term

Sl.No.	Courses in F Scheme	Courses in G Scheme	Comments
1	Power System – I	Generation, Transmission and Distribution	Advanced to IV Term
2	Control & Maintenance of Electrical Machines	One of the Elective	Practicum
3	Elective Theory - I Microcontroller	Microcontroller and Embedded Systems	Changed as Core Subject and advanced to IV Term
	VLSI Design	Programmable Logic Controller, IoT And Application	Same as Board 2023 Regulation
	Renewable Energy Sources	Elective in VI Term	Practicum
4	Wiring, Winding & Estimation Lab	Removed	Introduced as an Advanced Skill Certification Course
5	Control & Maintenance of Electrical Machines Lab	One of the Elective	Practicum
6	Elective Practical – I Microcontroller Lab	Microcontroller and Embedded Systems	Changed as Core Subject and advanced to IV Term
	VLSI Design Lab	IoT And Application	Same as Board 2023 Regulation
	Renewable Energy Sources Lab	Elective in VI Term	Practicum
7	Entrepreneurship and start up	Innovation and Start-ups	Practicum

VI Term

Sl.No.	Courses in F Scheme	Courses in G Scheme	Comments
1	Power System – II	Power System Protection and Utilization	Advanced to V Term
2	Power Electronics	Advanced to V Term	Practicum
3,4	<u>Elective Theory & Lab</u> Programmable Logic Controller	Advanced to V Term	Practicum
	Biomedical Instrumentation	Entrepreneurship, Online Elective Courses	
	Computer Hardware And Networking	Energy Conservation and Auditing Renewable Energy Systems Electrical Drives and Controls	Practicum
5	Power Electronics Lab		
6	Project Work	Internship / Fellowship / In-house Project	