

BROCHURE





Electrical & Electronics Engineering

Employment Centric Syllabus Designed As Per Industry Expectations

Sl.no.	Academic Features	SEM
1	BE Degree (Visvesvaraya Technological University)	I-VIII
2	Membership in "INDIAN SOCIETY FOR TECHNICAL EDUCATION"/ IEEE Membership	III-VIII
3	Student Industry-Institute Initiative: Industrial Visit	III-VIII
4	Student Enrichment Initiative: Guest lectures by eminent industry experts	III-VIII
5	Student Enrichment Initiative: Organizing workshops on recent trends	III-VIII
6	Student Development Initiative: Technical Students Symposium/Conference	III-VIII
7	Organizing seminars on recent developments	III-VIII
8	Enabling & encouraging students to participate & present papers in National & International Seminars/Conferences	III-VIII
9	Resume writing workshop (Industry Oriented)	VI-VIII
10	Student Career Support Initiative: Placement Training	VI-VIII
11	Student Development Initiative: Coaching & Remedial classes	I-VIII
12	Student Competitiveness Development Initiative (Intra College): Enabling & encouraging students to prepare & participate in various In-house competitions	I-VIII
13	Student Competitiveness Development Initiative (Inter College): Enabling & encouraging students to prepare & participate in various Inter-Collegiate & Inter University competitions	I-VIII
14	Student Development Initiative: Mentoring	I-VIII
15	Student Special Initiative: Mock viva-voce	I-VIII
16	Student Development Initiative: Professional Student counseling	I-VIII
17	Student Support Initiative: Guidance for education loans & bank formalities	II-VIII
18	Enabling & encouraging students to prepare and appear for NPTEL MOOC certification course	I-VIII
19	Student club activities	I-VIII

Note: * International Student Exchange Program is offered to meritorious students at actual costs

Industry Certification Courses

Common to all B.E. Courses

Domain Specialization	Technology Course 1 (Foundation) (60hrs)	Technology Course 2 (Advanced) (60hrs)	Job Opportunities
	Industry Certification Training +Exam (in 4 th and 5 th Semester)	Training for Industry Certification (in 6 th and 7 th Semester)	
DevOps	Microsoft Certified: Azure Developer Associate	Microsoft certified Designing and Implementing DevOps Solutions	DevOps Engineer in MNC like Goldman Sachs, Altran, Seimens,Capgemini Technology Services, TCS,HCL
Ethical Hacking and Forensic Investigator	EC-Council Certified Ethical Hacker (CEH)	Forensic Investigator Certification	Security Architect, Chief Information Security Officer (CISO), Security Analyst, Cyber Security Lead in Applied Systems, General Motors, Sony Electronics , Verizon Systems,
Tableau	Tableau Desktop Specialist	Tableau Certified Data Analyst	Data Analyst, Data Scientist, Business Analyst,Business Intelligence Analyst,Business Intelligence Developer, Business Intelligence Manager in KPMG, Deloitte, IBM, Wells Fargo,Accenture
AWS Cloud Architect	AWS Certified Cloud Practitioner	AWS Certified Solutions Architect	AWS Cloud Architect in Wipro, Infosys, MindTree
Full Stack Development	IBM Full Stack Software Developer Professional Certificate		Full Stack Developer, Software Engineer, Automation Engineer in MNC
Front End Verification of Digital VLSI Design	System Verilog training & Coursera Certification Program	Universal Verification Methodology (UVM) training	System Verilog Engineer, SoC Engineer, Design Verification Engineer in Intel
Embedded Systems Essentials with ARM and IoT Applications	ARM Certification Embedded Systems Essentials with ARM: Getting Started	ARM Certification Embedded Systems Essentials with ARM: Get Practical with Hardware	Embedded Software Engineer, Embedded Test Engineer,ARM Embedded Designer, ARM Embedded Developer
Digital Manufacturing Technologies	Indian Machine Tools Manufacturing Association (IMTMA) Certification on Manufacturing Technology, Trinity NDT Certification	Bosch Certification on Autotronics	Robotics Engineer, Mechanical Design Engineer, System & Solution Engineer-Manufacturing Solution

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

26.11.2025

To
The Principal,
NHCE,
Bengaluru

Through
Dean (Academics),
NHCE
Bengaluru

Recommended & Fined.
[Signature]
3/12/25

Sub: Revised Value-added course for the Batch 2022-2026- reg

Respected Sir,

The revised value-added program for the final year student Batch (2022-2026) is given below. Also, it is to be noted that only 4 students enrolled in the value-added program in Batch 2022-26, it is planned to combine with AIML department for the same course.

Existing course as per Brochure	Revised course for approval
Data Analytics for Electrical Engineers – Data Analysis and Decision Making	Explainable AI

We request you to kindly approve the same and oblige

[Signature]
GP – In charge
(ANITHA-A)

Recommended
[Signature]
5/12

[Signature]
26/11/2025
HoD/EEE