

## 10 Steps for B.Tech Electrical & Electronics Engineering Course Enhancement in 2021

01	UNIQUE & CORE CIRCUIT BRANCH	Universal Branch that gives the Scope of Learning Multi-Disciplinary Fields Including Communication, Instrumentation, Medical Electronics, Automation, Robotics, Artificial Intelligence, Computer Engineering.
02	WIDE BRANCH OF CAREER SPECTRUM	Provides strong fundamentals to enhance the mathematical skills and modeling of systems that create multifold options for a career in the core and its allied industries.
03	DOMAIN SPECIFIC ELECTIVE CHOICES	Offers domain-specific electives in the current industry trends and future technologies including design of electric vehicles using automation, smart systems using artificial intelligence, energy management using IOT techniques. Delivering focused knowledge and skills that are normally expected at the post-graduation level.
04	BLENDED LEARNING ENVIRONMENT	Each course is taught tool based(P-SIM, E-CAD, MATLAB), project-based (mini-projects in automation, energy engineering, design, and simulation of hybrid power sources) to enhance the learning abilities.
05	INDUSTRIAL VISITS, PROJECTS AND INTERNSHIPS	Mandate visits to power plants- hydel, solar, training in hotline maintenance, internships, and projects in reputed industries like DRDO, ISRO, BHEL etc to explore the recent industrial traits.
06	SKILL ENHANCEMENT & CERTIFICATION	Hands-on experience and training by the corporate industries in specific to the electives including transformer design, industrial automation using LabVIEW, PLC, SCADA, etc.
07	OPPORTUNITIES TO ACADEMIC AND RESEARCH EXCELLENCE	Creates a platform to write and publish research papers in reputed journals, conferences and helps in patenting innovative ideas to excel in research and innovation.

08	PLACEMENTS, HIGHER STUDIES, ENTREPRENEUR SKILLS	Orienting the career by identifying the strengths and train them to face the challenges to achieve placements in the core industries, IT industries, more options for government sector placements, GATE, GRE and TOFEL guidance, coaching for higher studies, guidance for entrepreneurial skills, incubating the business ideas through start-ups.
09	SPORTS, NSS, CULTURAL AND CLUB ACTIVITIES	Offers a platform to enrich the leadership skills, team-building capabilities, identify the hidden talents in sculpting the future in multi-dimension through club activities and groom them as multi-talented achievers.
10	MENTORS AND PROCTORS	Special attention and care to each student through mentoring. Ensuring career possibilities, awareness of social and moral responsibilities besides academic excellence.