



NAAC ACCREDITED

AN ISO 9001-2015 & ISO 14001-2015 CERTIFIED INSTITUTE

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DEPARTMENT OF ELECTRICAL ENGINEERING

DEPARTMENTAL GOALS

A. Curriculum Enhancement

- **Short-term Goal (1-2 years):**
 - Update curriculum in line with modern electrical engineering technologies like AI, Machine Learning, Internet of Things, and Industry 4.0.
 - Introduce hands-on learning experiences (lab work, industrial training).
 - Integrate project-based learning to encourage problem-solving.
- **Medium-term Goal (3-5 years):**
 - Introduce specialized tracks like Power Systems, Embedded Systems, and Communication Systems.
 - Offer multidisciplinary courses that integrate electrical engineering with other fields (e.g., data science, robotics, sustainable energy).
- **Long-term Goal (5-10 years):**
 - Establish strong industry-academia collaborations to design courses based on real-time industry needs.
 - Develop short-term certification programs and online courses to cater to professionals.

B. Research and Development Focus

- **Short-term Goal (1-2 years):**
 - Strengthen existing research groups and set clear goals for faculty and student research output.
 - Identify strategic areas of growth (e.g., renewable energy, robotics, smart grids) and align resources towards those.
 - Host internal research symposiums and workshops to encourage collaboration.
- **Medium-term Goal (3-5 years):**
 - Create partnerships with industry for research and development projects.
 - Increase research funding through grants and sponsorships.
 - Begin the process of establishing a dedicated research center for specific fields.
- **Long-term Goal (5-10 years):**
 - Establish international collaborations with leading institutions for joint research.
 - Focus on technology transfer by developing patents and commercializing innovations.

C. Faculty Development

- **Short-term Goal (1-2 years):**
 - Organize regular workshops and training on the latest technologies and teaching methods.
 - Encourage faculty to attend international conferences and workshops.
- **Medium-term Goal (3-5 years):**
 - Create a mentorship program for new faculty to help them integrate into the department and foster teaching excellence.



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- Encourage faculty to pursue research funding and develop interdisciplinary research programs.
- **Long-term Goal (5-10 years):**
 - Strengthen faculty exchange programs with global universities.
 - Provide a platform for faculty to collaborate with industry on research and innovation.

D. Infrastructure and Technology

- **Short-term Goal (1-2 years):**
 - Upgrade labs with advanced equipment and tools.
 - Strengthen digital resources (e.g., learning management systems, virtual labs, online courses).
- **Medium-term Goal (3-5 years):**
 - Build a dedicated makerspace or innovation lab for prototyping and experimentation.
 - Integrate the use of simulations and virtual environments to complement hands-on learning.
- **Long-term Goal (5-10 years):**
 - Establish a world-class research facility with cutting-edge equipment in emerging fields.
 - Ensure continuous investment in modern software, hardware, and technology for students and faculty.

E. Industry and Alumni Engagement

- **Short-term Goal (1-2 years):**
 - Create an industry advisory board to guide curriculum development and research projects.
 - Strengthen alumni relations by organizing regular meetups, webinars, and networking events.
- **Medium-term Goal (3-5 years):**
 - Create a robust internship and placement network through industry partnerships.
 - Set up a career development center with industry-specific workshops and seminars.
- **Long-term Goal (5-10 years):**
 - Launch an entrepreneurship cell to encourage start-ups and innovation from within the department.
 - Form collaborations for joint industry projects and open innovation challenges.


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