www.rajalakshmi.org

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING

The department of Electrical and Electronics Engineering was established in the year 1999. Presently, the department offers B.E. (Electrical and Electronics Engineering) with an intake of 180 students and M.E. (Embedded systems Technologies) with an intake of 18 students and M.E. with an intake of 18 students. It has also been recognized as a research Centre by Anna University, Chennai, leading to Ph.D. and M.S. (by research) degrees. A number of candidates are undergoing Ph.D. Programme in the area of Power Electronics and Drives, Power Systems and Renewable Energy Sources.

The department has also been reaccredited by the National Board of Accreditation, New Delhi (NBA). The department has full-fledged faculty members who are dedicated and well- experienced in different fields of specializations. A large number of research papers have been published by the faculty members in reputed journals in various areas of Electrical and Electronics Engineering. The department is presently engaged in an AICTE sponsored project on 'Modernization of Power Electronics and Drives laboratory and another UGC sponsored project on 'An efficient FPGA based Embedded Controller for wheeled Mobile Robots for Agriculture Applications'. Thus well-equipped laboratories in these areas and also on Electrical machines, Control Systems, Power System Simulation and Measurements and Instrumentation are available for carrying out UG, PG and Ph.D. Projects. The UG students have also won several TNSCST awards for their innovative projects in a number of emerging fields of industrial and social relevance.

RECOGNIZED SUPERVISORS OF ANNA UNIVERSITY

1.Dr. M.G. Umamaheswari

2.Dr. R. Kalaivani

3.Dr .P.Sivakumar

4.Dr.K.Premkumar

5.Dr.R.N.Ponnalagu

6.Dr.J.Rizwana

M.E. EMBEDDED SYSTEM TECHNOLOGIES

Embedded Systems Technologies is an emerging interdisciplinary field which requires thorough knowledge of hardware and software aspects of high end processors and working of the various input devices like sensors, keypad and output devices like LCD, ELD, actuators like motors and programming and integration of the whole system. The students are also given an in-depth knowledge in the fields of electrical, electronics, computer programming and communication systems. Students undergo courses on Advanced Digital System Design, VLSI Architecture and Design Methodologies, Wireless and Mobile Communication and Embedded System Laboratory. The graduating students thus acquire a wider and deeper knowledge of such applications to meet the present day growing needs, including precision drive controls and robot operations in a variety of highly automated and sophisticated systems.

IN-PLANT TRAINING

Students also undergo in-plant training during summer and winter vacations to enhance their practical knowledge in various organizations which include; Bharat Sanchar Nigam Ltd, Ashok Leyland Ltd, Bharat Heavy Electricals Ltd, Neyveli Lignite Corporation Ltd., TANGEDCO, Siemens Ltd., Titan Industries Ltd. Travancor Titanium Products Ltd, Integral Coach Factory, Central Electro Chemical Research and Institute, Chennai Petroleum Corporation Ltd., (CPCL), Lucas - TSV (P) Ltd., Delphi - TVS (P) Ltd., Larsen & Turbo Limited (Construction Division), Airports Authority of India, Bosch Ltd., Johnson Electric Pvt. Ltd., Port Trust, Doordarshan Kendra, Brakes India Ltd and L&T Switchgear.

ELECTRICAL AND ELECTRONICS ENGINEERING