

Internship & Placement



Alumni Testimonials

Strongly determined, capable & ever-supportive faculties who are well aware of the industrial scenario are the roots of the department. They ensure that the bridge between the concepts and their applications is not left unbuilt.

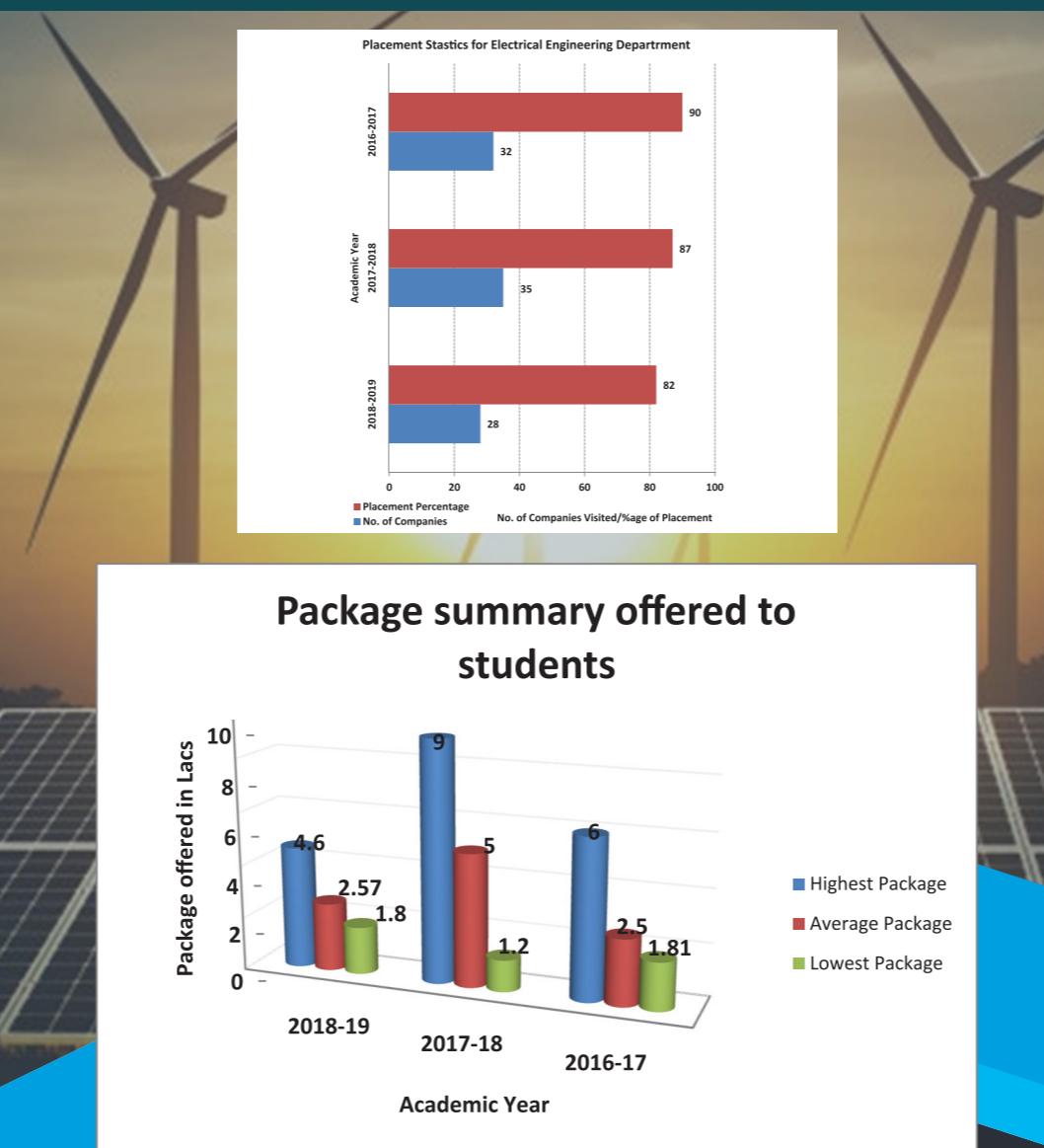
Sagar Joshi (2014-2018 Batch)
Technical & Design Department, Polycab India Limited

Think Different, that is one thing that CHARUSAT UNIVERSITY urges in and to far extent succeed in teaching to its students which invariably helps to achieve what you need. It nourished me and thus gave me an opportunity to define me.

Aneri Shah, B.tech Electrical (2013-2017)
Placed at : Siemens Ltd. Designation: Executive Quality Management



Placement Statistics for Electrical Engineering Department



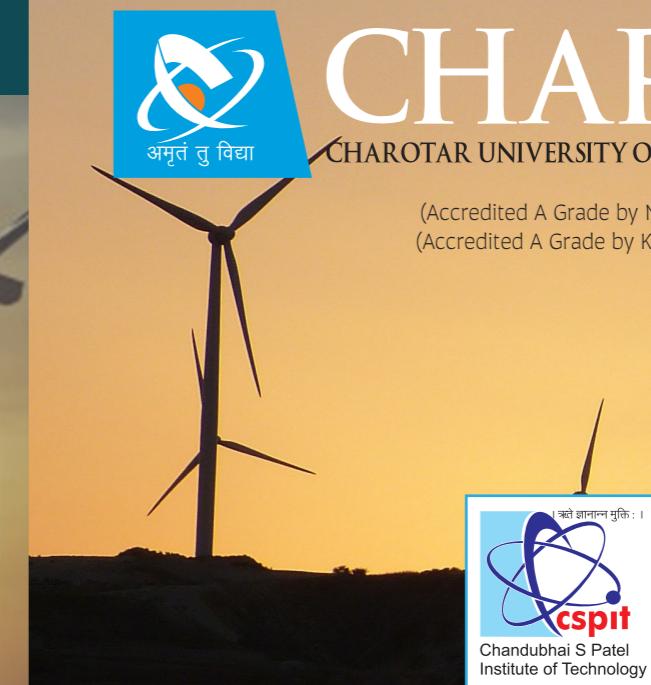
Industrial Visits



CHARUSAT

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

(Accredited A Grade by NAAC, Govt.of India)
(Accredited A Grade by KCG, Govt. of Gujarat)



M&V PATEL DEPARTMENT OF ELECTRICAL ENGINEERING

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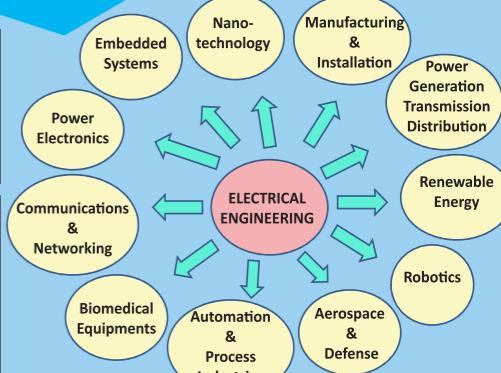
Scan me

Vision

To become an internationally recognized research intensive education entity by providing the best education.

Mission

To create world class technocrats who can contribute to the research and technological development for the betterment of lives.



Why Electrical Engineering @ CHARUSAT ?

Problem based learning and more practical exposure. For the hands on experience of the power system and grid, the campus is having 1000 KVA generator, 350 KW solar power plant and 1250 KVA transformer in operation with necessary protection schemes.

Industrial tours, visits and training; short term training courses for students; summer training Choice based credit system for the advanced learning.

Career assistance and guidance through aptitude preparation, interview preparations and higher study seminars through well known experts from the dedicated fields. Students counseling, Parents-Teachers Meeting

Simulation Lab

The computer laboratories are equipped with 50 computers having i7 processors to operate Hi-Tech simulation software in field of electrical machines, power system and electronics. The curriculum offers exclusive courses on simulation to acquire the knowledge for the following globally recognized simulation software.



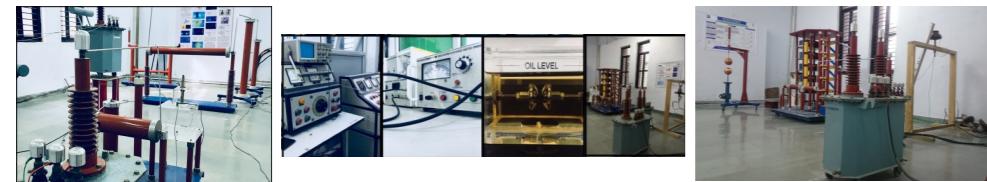
Programmable Logic Controller Lab

The automation and process control for manufacturing industries use programmable logic controllers. The lab has Schneider Electric Make PLC Kit M340 Series Processor with facility of 1024 digital & 256 analog I/O, Unity Pro S and SCADA Vijeo Citect with 10 numbers of dedicated PCs for the testing.



High Voltage Lab

One of the unique lab of electrical engineering consist 100 kV AC/DC cascade transformers and 150 kV Impulse Voltage generation facility is exclusively available in HV lab along with sphere gap assembly, electrolytic tank, horn gap arrester, BDV and Tan-Delta Kit.



Electrical Machines Lab

To demonstrate the working principle of these machines and to evaluate their performance characteristic, a fundamental lab on Electrical Machines has been established with ample number of machine sets including Transformer, Induction Motors, DC motors, Special Electrical Machines and in house developed experimental panels.



Power Electronics & Drives Lab

The lab has the facilities of experimental kits of power electronics devices, chopper and inverter modules, Digital Storage Oscilloscope, Harmonic analyzer, most advanced DSPACE – ACE 1103 Kit and AC-DC Drives based on DSP control.



Microcontroller & Digital Signal Processing

One of the best embedded microcontroller laboratories equipped with low end to high end microcontroller platforms like 8051, fast C8051f120 - CIP51 core, PIC, ARM-M3, ARM-M4 , TMS320F28335 and FPGA development boards. with software and compliers like KEIL, Micro-C, Code Composer Studio and Altium.



Prominent Visitors



Dr. D. P. Kothari
Former I/c Director
Indian Institute of
Technology - Delhi



Prof. S.N.Singh
Vice-Chancellor,
MMM University of
Technology Gorakhpur



Prof. V. Miranda
Uni. Of Porto,
Associate Director,
INESC-TEC, Portugal



Dr. Chao Long
Research Associate
Cardiff University,
UK



Student Achievement

- Electric Solar Vehicle Championship (ESVC): Organized by Imperial Society of Innovative Engineers, Ambala: Team "Prithvi"



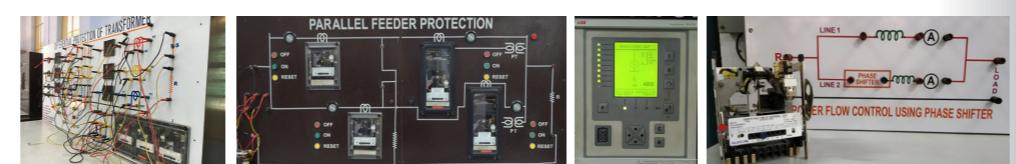
- SUPRA Competition: Team "Ojaswat"

- Three awards -1st in Endurance Race,
Go Green Award, Overall 3rd Rank and Prize money of INR 1,10,000/-



Power System Protection Lab

The lab is equipped with the conventional electromechanical and sophisticated numerical relays for transformer, generator, motor, bus bar and transmission line protection. ABB Make REJ 525, SPAU 130C, REM 543, ICM21kp; Siemens Make 7SJ600; Alstom Make MICOM 444, CDG11, CDD21, CDD32EG are installed for the demonstration of power system protection relaying.



Renewable Energy Lab

The current trends in Electrical engineering are of Renewable Energy Sources and its implementation in the grid. To understand the various renewable energy sources and its implementation the Renewable energy lab is equipped with experimental panels of Doubly fed induction generator based wind energy conversion system , VSC based FACTS controllers, MPPT Boost Converter for Solar, Dynamic Voltage Regulator (DVR).

