

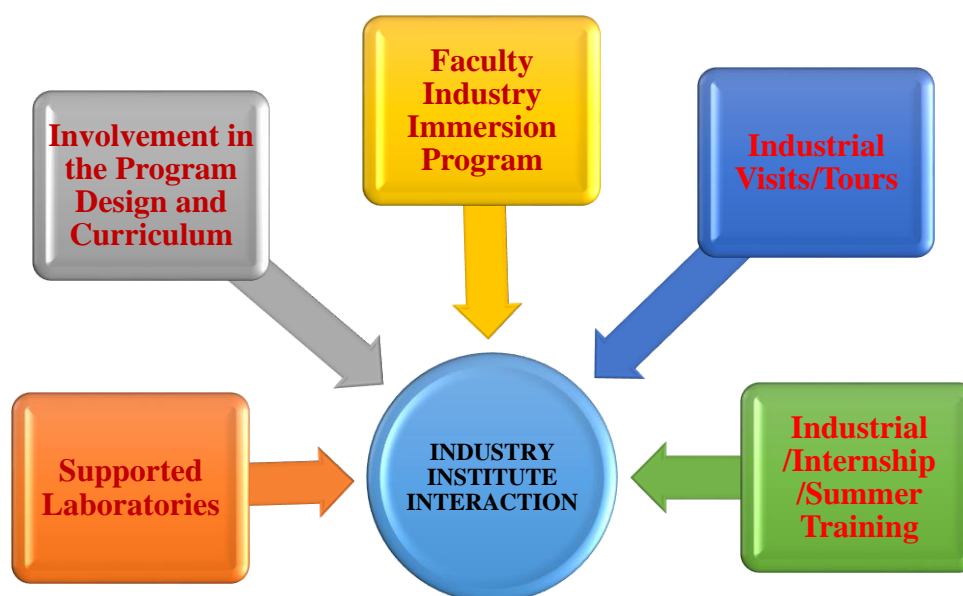
INDUSTRY INSTITUTE INTERACTION

Partnerships between Industry and Institute will be instrumental to advance the research knowledge and to create skilled students to readily place in job.

Collaboration between industry and academia is key to enhance innovation and growth in technology. While industry often focuses on addressing solutions that are of near term commercial value and academia focuses on building new knowledge through research and imparting education to students, the shaking hands between the two can yield accelerated development in cutting edge technology. Also industry gains work ready talent with specialized knowledge and practical training.

The department is keen to have industrial collaboration in terms of infrastructure development, human resource, knowledge transfer, skill training, internships, projects, etc.

A survey of industry linkages of technical institutes in partnership with the All India Council for Technical Education (AICTE) was conducted in the year 2019. Dr. K. Vijayakumar HOD/EEE showcased the best practices of industry partnerships on 23rd October 2019. EEE department was awarded for the Best Industry-Linked Institute for Electrical Engineering and Allied.



Measuring attributes for the Industry Institute Interaction

Industry Supported Laboratories

To strengthen interaction with industries and to keep the students updated with the recent trends cutting edge technologies, the Department has signed an agreement with some companies. Industrial interactions help the students to acquire the practical knowledge and real time industrial exposure. So in order to improve the technical abilities various industrial activities are carried out.



ZIGZAG SOLAR Setup

Industry Involvement in the Curriculum Design

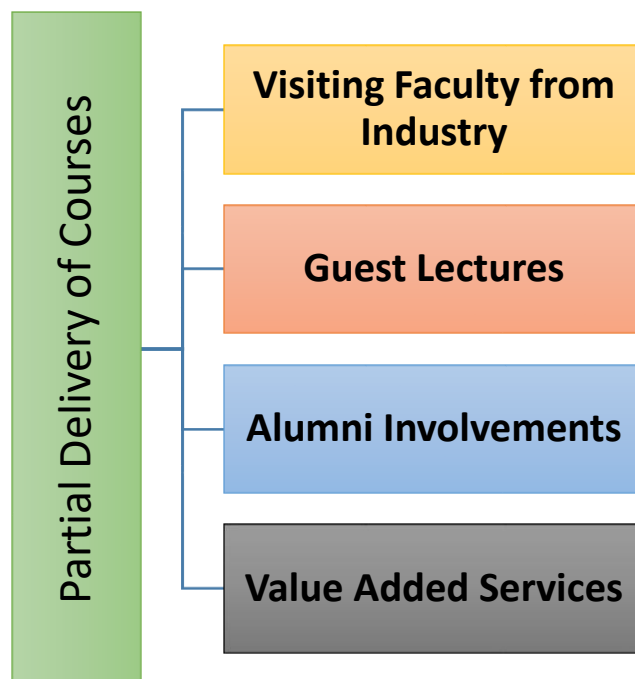
The industrial experts for each subjects are identified by the faculty members and their feedback/suggestions are obtained while framing the syllabus. The syllabus of B. Tech Electrical and Electronics Engineering is revised based on the developments in the industrial needs by collecting the necessary advices from the industrial experts.

Sl. No.	INDUSTRIES	Sl. No.	INDUSTRIES
1	ABB India Ltd	19	L&T Technology Services Ltd
2	ALSTOM Limited	20	National Instruments
3	Aricent Technologies	21	Nelcast Limited
4	Armstrong Fluid Technologies	22	National Institute of Wind Energy
5	Array Technologies Incorporated	23	Valeo India Private Limited
6	Bharti Airtel	24	VERIZON India
7	Bharatiya Nabhikiya Vidyut Nigam Limited (BHAVINI)	25	National Productivity Council, Delhi
8	BOSCH India	26	Ocean Engineering Services
9	Customer to Customer (C2C0	27	Omantel Company
10	Centre for Development of Advanced Computing (CDAC)	28	PAYPAL
11	Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO)	29	Philips India Ltd
12	Tamil Nadu Electricity Board (TNEB)	30	Powersys India
13	Coreel Technologies (I) Pvt. Ltd.	31	Schneider Electric India Pvt Ltd
14	CTS Corporation	32	Seshasayee Paper and Boards Limited

15	Danfoss Industries Pvt Ltd	33	Siemens
16	Grey Orange India Pvt Ltd.	34	Southern Railway
17	KPIT Technologies Limited	35	VI-Microsystems Pvt Ltd
18	Larsen & Toubro	36	Xilinx India Technology Services

Details of the Industries involved in Curriculum

Industry Involvement in Partial Delivery of Any Regular Courses for Students



Measuring attributes for the Partial Delivery of Courses

Visiting Faculty from Industry

The skilled professionals from the reputed industries collaborate with our department in uplifting the quality of education among the students, researchers and faculty. The eminent persons who have outperformed in the field of Electrical Engineering are appointed as adjunct faculty members to enrich the students with industrial practices. The students are motivated by the industrialists to do more research based activities as well as entrepreneurship. Visiting faculties are also actively involved in the partial/full delivery as the course, value added courses, technical lectures, workshops, etc.

Sl. No	Adjunct Professor	Companies
1	Dr. S. Paramasivam	Senior Manager/Danfoss India
2	Mr. TripatiPatro	Executive Director/Visom power solutions Pvt Ltd
3	Mr. V. Balasubramani	Proprietor/Tescom Electronics Pvt Ltd
4	Mr. K. Ganesan	Energy Auditor and Consultant
5	Dr. P. Dharmalingam	Former Director/NPC
6	Dr. R. Jegatheesan	Retd Registrar/ Anna University

Details of Visiting Faculty from Industry



Energy Audit Course

Guest Lectures

Some of the eminent personalities from the sectors like SIFY Tech, ABB Global Industries, IGCAR, Gemicates Pvt Ltd, AKTI volt Celtek Pvt Ltd, Qualcomm etc., who are expertise in specific field of Engineering are identified and invited for delivering the lectures

to the students. The department encourages to arrange guest lecture for each course, industrial visits, etc.



Guest Lectures Arranged (Sample)

Alumni Involvements

In addition, the department organizes training program related to current industrial trends and demands, and the trainers are outsourced from industries who are alumni of our department. The alumni coordinators are constantly contacting the alumni and requesting them to deliver essential plans and strategies for their future. They support students by providing knowledge on 'how to prepare for placements', 'develop entrepreneurship' activities and 'advancements in industries. Our alumni are showcasing their outstanding talents in many industries such as ITP Renewables, Sydney, TVF, Mesha Innovation Centre, L & T, Seshasayee Papers and Boards Ltd, etc.



Contributions made by Alumni

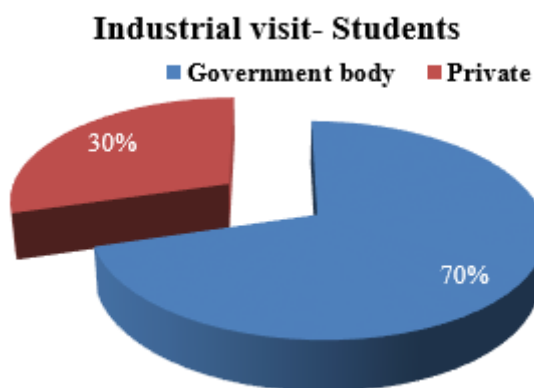
Industrial Visits

The students of 2nd, 3rd year and 4th year are encouraged to go for industrial visits across the Nation with the objective of visualizing the concepts studied in the theory and to get exposed to the industrial working environment. The department highly motivates the students to go for industrial visits and tours in both private as well as public sector. The students are also actively participating in industrial visits to enhance them with recent technology in industries. The following are the industrial visits arranged in the last three years.

Company Name	Date		No of Students
	From	To	

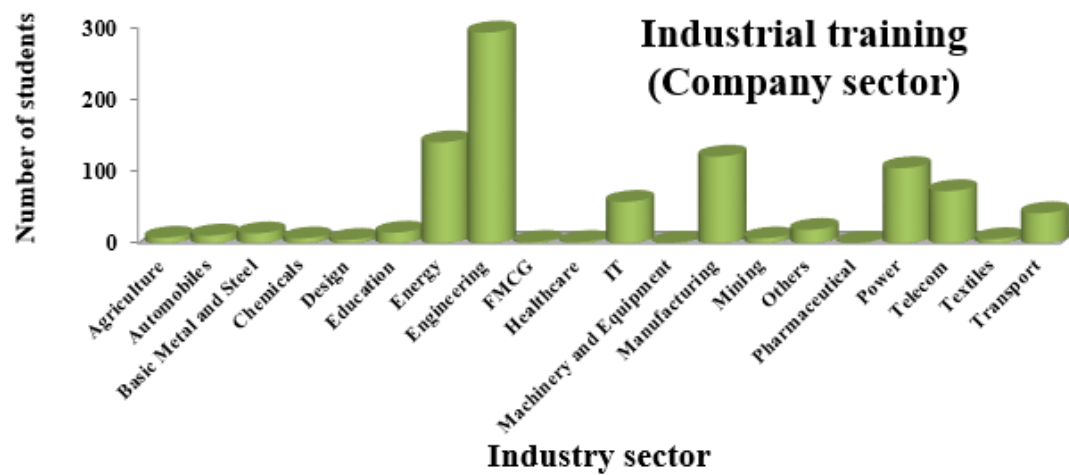
Bharat Heavy Electrical Limited (BHEL)	05-10-2017	07-10-2017	107
JVS electronics private limited	08-10-2017	10-10-2017	107
Vikram Sarabhai space centre, Space Museum, Thiruvanthapuram	03-03-2018	04-03-2018	60
High voltage lab at IIT Madras	04-03-2018	04-03-2018	60
Transformer and Electricals Kerala limited, Cochin	05-03-2018	05-03-2018	60
IGCAR BHAVINI, Kalpakkam	04-06-2018	04-06-2018	60
400/230 kV substation at sriperumbadur	20-09-2018	20-09-2018	40
High voltage lab at Anna University Chennai	24-09-2018	24-09-2018	60
National Institute of Wind Energy, Palikaranai, Chennai	14-02-2019	14-02-2019	10

List of Industrial Visit Organized



Industrial /Internship /Summer Training

Industrial training is a mandatory requirement for 2 credits in the curriculum. All the student (100%) must undergo internship in industry. Students had undertaken industry internship on their own areas of specialization at the end of 3rd to 6th semester for duration of 2 to 4 weeks. Internships offers a better opportunity to the students to develop their skills on the real world scenarios in electrical engineering. It also benefit the students to gather technological networks and profession contacts on their specific field of interest.



- No of companies providing Industrial Training: 270+
- No of students undergone Industrial Training : 932 (100 %)
- Internship/Industrial Training is a mandatory course (2 credits)