

Institute – Industry Interaction

January 2017

Sl. No.	Name of the faculty	Industry Name	Internship Date	Internship Outcomes
1	PRASHANTH.N.A	SAI TEKTRONIX PRIVATE LIMITED	22-12-16 to 02-01-17	knowledge and understanding of fundamental embedded systems design paradigms, architectures, possibilities and challenges, both with respect to software and hardware
2	SHILPA G	KPTCL	02-01-17 TO 11-01-17	understanding of single and double line 220/66/11KV substation, various relays of bus bar and transformers, circuit breakers
3	BABU NAIK G	KPTCL	02-01-17 TO 11-01-17	understanding of single and double line 220/66/11KV substation, various relays of bus bar and transformers, circuit breakers
4	NAGARAJ D C	PRAGMATIC EMBD SOLUTIONS	12-01-17 TO 21-01-17	Understanding of Industry grade Micro controller RENESESS and its application in automobile industry. Also working with PIC micro controller interfacing for sensor based applications
5	Dr N Ramarao	SAI TEKTRONIX PRIVATE LIMITED	22-12-16 to 24-12-16 & 02-01-17 to 07-01-17	understood the fundamentals of embedded systems design paradigms, architectures, possibilities and challenges, both with respect to software and hardware
6	H.D. Kattimani	Vijay Industries, Bangalore	05-01-17 To 17-01-17	Understanding working of PIC microcontrollers interfacing for sensor based applications, Understanding of Industry grade Micro controller RENESESS and its application in automobile industry.

February 2017

Two staff members (H. D. kattimani and Prashant A. Athavale) visited the VOLVO India Ltd. Plant at Hoskote, Bengaluru on 9th February, 2017 along with members of other Departments. The purpose of the visit was to explore the possibility of an Industry-Institute Interaction.

April 2017

An Industrial Visit was organised for 6th semester EEE students to Varahi power plant on 04.04.2017. A total of 49 students have taken part in this visit. Students were accompanied by four faculty members from EEE department (Manjula B.K, Manjunatha Babu P, Nagraj D.C and Rajnikanth). The hydroelectric generating plant has installed capacity of 460MW with four generators of 115 MW capacity. Two of BHEL make and the other two of AndritzHydro. The power generated is supplied to Shimoga and Mangalore through three lines to each. The Staff of KPCL explained with a video of how the water turbine rotates and the generation happen. The students allowed to visit the complete plant with one of the staff. The students of EEE were given an opportunity to understand the theoretical concepts of hydroelectric power generation.



May 2017

An Industrial Visit was organised for 4th semester EEE students to Kaiga Nuclear Power Station operated by Nuclear Power Corporation of India Limited(NPCIL) on 06th May, 2017. A total of 37 students have taken part in this visit. Students were accompanied by four faculty members from EEE department (Ozwin D’souza, Babu Naik G, Shilpa.G and Vikram Chekuri). The Kaiga Atomic Power Station has installed capacity of 880MW with four units of 220MW capacity. The unit, fueled by indigenous uranium, will supply electricity to Karnataka, Andhra Pradesh, Kerala, Tamil Nadu and Puducherry. The Staff of NPCIL explained the working of Pressurized Heavy Water Reactor and Turbine –Generator unit with help of video and demo model. Later the students were allowed to visit the simulation centre (Control Unit-SCADA). The students of EEE were given an opportunity to understand the theoretical concepts of Nuclear power generation.



4th semester EEE students at Nuclear Power Plant, Kaiga.



NPCIL staff explaining Kaiga Nuclear Power Plant layout.

June 2017

Sl. No.	Name of the faculty	Industry Name	Internship Date	Internship Outcomes
1	Manjula B.K	Ekzen Robotics	20.06.17 to 01.07.17	1. Interfacing of sensors, motors and motor drives. 2. PLC programming to interface the control elements 3. Industrial Automation with Robotics.
2	Suma Umesh	Ekzen Robotics	20.06.17 to 01.07.17	1. Interfacing of sensors, motors and motor drives. 2. PLC programming to interface the control elements 3. Industrial Automation with Robotics.
3	Vikram Chekuri	PRAGMATIC EMBD SOLUTIONS	19-06-17 TO 29-06-17	Understand Industry grade Micro controller RENESESS and its application in automobile industry. Also working with PIC micro controller interfacing for sensor based applications
4	Rajnikanth	Sahyadri Electro Control Pvt. Ltd	19-06-17 TO 29-06-17	Understand the working of Electronic equipment's and also provide industry exposure 1. LED indicating Lamp, 2. Electronic Audible alarm, 3. Push button actuator and elements.

July 2017

Sl. No.	Name of the faculty	Industry Name	Internship Date	Internship Outcomes
1	Prashant A Athavale	Navachethana Multispeciality hospital, Yelahanka new town, Bengaluru	30.6.17 to 11.7.17	Understood the working of Digital Chest x ray machines and the analysis techniques
2	Dr.Madhu Palati	Vignesh Vidyuth Controls Peenya 2nd Stage, Bengaluru-91	26.06.17 to 01.07.17 & 13.07.17 to 14.07.17	Able to Design a 100 kVA Transformer and got hands on experience on Testing of Distribution transformer
3	Dr. T.C. Balachandra	EKZEN RBOTICS Vidyarnyapura Main Road, Bengaluru- 97	10.07.17 to 20.07.17	Requirements Analysis document completed. Several brain-storming sessions held. Design of product evolved.
4	Ozwin Dsouza	KPTCL (220 KV Receiving Station – TL & SS), Hebbala,	23-06-2017 To 05-07-2017	Understand the working of Electromechanical relay in real time scenario. Understand the need for schedule maintenance of Electrical equipment.

		Bengaluru		Practice electrical safety rules. Understand the various protection schemes used in substation.
5	Manjunath Babu P	KPTCL (220 KV Receiving Station – TL & SS), Hebbala, Bengaluru	23-06-2017 To 05-07-2017	Understand the working of Electromechanical relay in real time scenario. Understand the need for schedule maintenance of Electrical equipment. Practice electrical safety rules. Understand the various protection schemes used in substation.