

Brief Report on Two Days Seminar on “Research Opportunities in Collaboration with Industries” organized at VGEC Chandkheda from 24th to 25th October - 2016

TRACK-I

Departments: EC, CE, IT

Speakers with designation and address:

1. Dr. Chirag Sheth from TCS-Gandhinagar
2. Mr.Nikunj Patel from Cap Gemini-Gandhinagar
3. Mr.Nilesh Ranpara from e-Infochips- Ahmedabad

Number of Participants: 54 participants from different colleges of Gujarat have actively participated in the seminar.

Place of visit on 25th October – 2016: E-infochip, 2 Aryan Park complex, Nr. Shilaj Railway Crossing, Thaltej, Ahmedabad

Brief information about talks:

Dr. Chirag Sheth discussed about the advanced work being carried out at TCS in the direction of BIG Data, Cloud, Mobile, AI and IOT technologies/applications.

Mr. Nikunj Patel enlightened about the rise and merger of the original Indian company Patni Computers with other companies such as IGATE and finally, Cap-Gemini. He presented about the work company is pursuing in automotive and avionic industries.

Mr. Nilesh Ranpara gave a detailed presentation of the company’s technical activities in state of the art of ASIC design, software and system development in areas such as health care, automotive and transport support and safety, avionics, mobile communication, verification, business intelligence and IOTs.

Brief information about visit:

All the seminar participants were taken for visit to “Experience Zone of eInfochips – A’bad” on the next day. The successful projects developed by E-Infochip are demonstrated in this zone and the same were discussed in depth with participants.

Interesting interaction between participants and pass out students of government engineering colleges who are working at E-Infochip was also arranged during the visit. The ways through which the industry and institutes can come closer for the benefit of academics, technology and societal gains were explored in the discussion as a part of visit.

TRACK-II

Departments: Electrical, Power Electronics, Instrumentation and Control

Speakers with designation and address:

1. Dr. Subroto Mukherjee :- IPR Gandhinagar
2. Mr. Niraj Shah:- Arihant Satiat
3. Mr. Kalpesh Trivedi:- TRIO Elevators

Number of Participants: 37 participants from different colleges of Gujarat have actively participated in the seminar.

Place of visit on 25th October – 2016:

1. TRIO Elevators
2. Hitachi Hi-Rel Power Electronics Pvt. Ltd.

Brief information about talks:

Dr. Subroto Mukherjee covered the application of plasma research in different engineering firms.

Mr. Niraj Shah focused on IoT. He covered ID numbers, connectivity, data processing and platform. His session was interactive.

Mr. Kalpesh Trivedi covered various functionalities available in state of art elevators, which include simplex duplex and grouping.

Brief information about visit:

All participants gathered at VGEC Chandkheda campus at 9:30 AM. All participants moved to TRIO elevators and visited entire industry. Participants were divided into two groups. Mr. Kalpesh Trivedi explained each and every segment of line production for elevators in each groups individually. In succession to TRIO elevators and lunch session, all participants visited Hitachi Hi-Rel Power Electronics Pvt. Ltd. There also, all participants were divided into two groups. They showed the evolution of Hitachi and Ochibo- Hiroi from very initial stage. Each group was taken to production and assembly session of Hitachi. All participants were impressed to see the safety and precautions measures that Hitachi is following.

TRACK-III

Departments: Civil, Mechanical and Chemical Engineering

Speakers with designation and address:

1. Shri. Vivek P Kapadia, Managing Director, Gujarat Water Resources Development Corporation, Gandhinagar
2. Dr. Sanjiv Tyagi, I.F.S. Director, Gujarat Environment Management Institute 3rd floor, Block No. 13, Dr. Jivraj Mehta Bhavan, Old Sachivalaya, Sector 10B, Gandhinagar, Gujarat – 382010
3. Shri M N Vyas, Retired Safety Officer, IPCL Vadodara, Gujarat, India.
mnvyas5@gmail.com, (M) 9426332099 (R) 02652713212

Number of Participants: About 45 faculty members of all TEQIP Institutes and 12 PG students from Chemical Engg. VGEC, Chandkheda

Place of visit on 25th October – 2016:

1. GEMI Laboratory, Sector 25, Gandhi nagar
2. Mangalam Consultancy services Pvt Ltd.
3. Dandi kutir, Gandhinagar

Brief information about talks:

Shri Vivek P Kapadia delivered his talk on “WATER FOR ALL”

- He explained overview of hydrology and distribution of type of water on earth.
- He also explained the reasons of shortage of water in India due to development without development plan and crises of characters and eligibility of people and leadership.
- Quality of water and available sources of pure water.

He also discussed wastage of water in industries and mankind and how to avoid them.

Dr. Sanjiv Tyagi delivered an expert talk on E-waste Trading. He covered the details about generation, classification, and treatment of e-waste. He also covered the E-waste act. The opportunities and challenges in the area were discussed in details. He also offered help in starting startup for e-waste treatment. He pointed out that this will be a new area of business and research in future.

Shri M N Vyas delivered an expert talk on Process Safety: Industrial Case Studies. He shared his industrial experience at IPCL Baroda and highlighted importance of safety for engineering

design and operations. He covered the fundamental details about safety and discussed potentials for research. He also highlighted new areas coming up in safety for chemical industries.

Brief information about visit:

The participants visited Mangalam Consultancy Pvt. Ltd. The experts explained the advancement in the testing of Concrete and Geotechnical Engineering. They also discussed how the distress in the material is calculated with the help of modern instruments. Then all the members visited Dandi Kutir.

The participants had also visited the Gujarat Environment Management Institute laboratory at GIDC, Gandhinagar. The participants were divided in to small batches and each of the batch was introduced to working principle and live operation of various testing analytical instruments as follows,

1. Incipient Coupled Plasma Spectrograph
2. Microbiology Culture Test
3. Sodium, Potassium ion detector
4. PH meters
5. PM10 and PM2.5 particulate analysis
6. Mass Spectrophotometer
7. Gas Chromatography

Photographs:







