



VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE, CHANDKHEDA

Brief Report on Industrial Visit to IPR, Bhat & COE, GTU, Ahmedbad

Name of Department/Organizer	:	Chemical Engineering Department
Date & Time	:	21/08/2018
Venue	:	Institute for Plasma Research, Bhat & Center of Excellence, GTU
No of Participants	:	48 Students and 3 faculties

• Objective of the Event

1st semester students of **Chemical Engineering Department** of Vishwakarma Government Engineering College Chandkheda visited Institute for Plasma Research, Bhat & Center of Excellence, GTU, Chandkheda, Ahmedabad. These visit falls under **major activity head** of “**Technical/ Research skill**” with sub-activity head of “**Industrial / Exhibition Visit with Report**”. The visit was organized for one day on **21/08/2018**. **Total 48 students (1 girl & 47 boys)** took benefit of this industrial visit. These students were accompanied by following faculty members.

- **Prof. D. R. Gandhi**
- **Prof. S. R. Patel**
- **Prof. J. B. Trivedi**

• Details of the Event

We (48 students + 3 Faculties) had visited IPR (Institute for Plasma Research) situated at Bhat, Ahmedabad and COE (Center Of Excellence) center situated at VGEC Chandkheda on 3rd of August, 2018.

Institute for Plasma Research is an autonomous R & D organization under the authority of Department of Atomic Energy (DAE), Government of India situated near west banks of river Sabarmati in Gujarat, India. This institute is largely involved in theoretical and experimental studies in plasma science including basic plasma physics, magnetically confined hot plasmas and plasma technologies for industrial application. The institute owns two operational tokamaks (a machine for controlling thermonuclear fusion) - ADITYA and Steady State Tokamak (SST) - 1.

Institute for Plasma Research Visit Schedule

Sr. No.	Item	Time	Conducting Person
1	Reporting Time	9:00 AM	
2	Introductory talk about IPR and its activity (IPR Campus)	10:00 AM to 10:45 AM	Mohandas
3	Visit to Technology Park and Group Photo	10:50 AM to 11:30 AM	Outeach
4	Visit to ADITYA Tokamak and SST-1	11:00 AM to 12:30 PM	Yukiran/Nitin

After successful completion of IPR visit we had visited Center of Excellence (COE) situated at G-Block, VGEC, Chandkheda.

Gujarat Technological University has initiated to build Centre of Excellence (COE) in I-4.0 frontiers of today's technology in Automation Technologies in association with Bosch Rexroth India Limited (BRIN) with an objective of developing industry institute partnership in the field of Automation, Mobile Hydraulic, Automobile, and Mobile Electronics Technologies to bridge technology gaps between industry and academia to foster research and knowledge among the students at GTU.

In this respect, first Centre of Excellence is being established at Vishwakarma Government Engineering College (VGEC), Chandkheda, Ahmedabad. This centre will act as a place to educate Automation Technologies to students with focus on Training, Knowledge transfer, Research Projects, Application Oriented Research and Innovation.

We had visited following five technical labs at COE:

1. Pneumatic Lab
2. Hydraulic Lab
3. Mechatronic Lab
4. Sensor Lab

• Event Photographs



