

A report on Industry Visit to Institute for Plasma Research (IPR)

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Industrial visits are usually the first point of interaction between a student and a live working industry. Industrial visits provide the students with an opportunity to learn practically through interaction, working methods and employment practices. It gives the students an exposure to current work practices as opposed to theoretical knowledge being taught at their college classrooms. Industrial visits grant the students a great opportunity to interact with industries and know more about industrial environment.

By Keeping this in mind, Government MCA College, Maninagar(EAST) has organized industrial visit to Institute for Plasma Research (IPR), Bhat, Gandhinagar (India) on 25th May, 2023.

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. FCIPT, ITER-India and CPP-IPR, located in Gandhinagar and Guwahati are three divisions under IPR.

45 students of Government MCA College took part in the industrial Visit. At IPR, Mr Hemant Joshi and Mr Gattu Ramesh Babu delivered expert talks on various aspects regarding data centre and various research activities undertaken at IPR.

Hemant Joshi is serving as Scientific Officer F at computer centre, IPR. His areas of interests are Web Development, Database monitoring and management of Data warehouse. He briefly elaborated the Data Centre developed to handle large amount of big data. He discussed data management across IPR computer network.

Mr. Gattu Ramesh Babu was a Gold Medalist in M.Sc., Physics from Osmania University, Hyderabad in 1998 with specialization in Electronics. In 1999, he joined Institute for Plasma Research, Gandhinagar as a Scientist. He explained temperature data acquisition system of plasma facing components and vacuum vessel of SST-1. He also demonstrated different projects which were meant for outreach IPR to our students.



