

Report on educational visit at Vallabh Vidyanagar

Students of **Department of Physics, Uka Tarsadia University (Integrated M.Sc Program)** have participated and presented the poster in the state level one day seminar on **'EMERGING TRENDS AND OPPORTUNITIES IN INTERDISCIPLINARY SCIENCES (ETOIS-2017)'** held at Vallabh Vidyanagar on February 3, 2017. Out of 8 students, 3 of them namely **Pooja Panicker, Aashi Naik** and **Khushboo Pal** were awarded with the 2nd prize for the poster presentation. Department of Physics and Uka Tarsadia University wishes a very hearty congratulations to all students and faculty members.



Image 1: Pooja Panicker (Right), Ashi Naik (Left) and Khushbu Pal (Middle) with their poster in the presentation area.



Image 2: Pooja Panicker (Left) and Khushbu Pal (Middle) along with Ashi Naik received the winner's certificates by Prof. N.V. Shastry(Right)



Image 3: From Left Dr. Hardik Desai, Khushbu Pal, Ashi Naik, Pooja Panicker, and Dr. Parth Joshi in M.P. Patel Auditorium, Vallabh Vidyanagar



Image 4: From Left Pratik Chaudhari, Aashi Naik, Khooshbu Pal ,Dr. Hardik Desai, Pooja Panicker, Maitri Sali, Gohil Harshita, Ami Patel and Kesha Patel at the presentation square

The purpose of a study visit is to generate an exchange of experience, good practice and ideas among the participants coming from the various disciplines and backgrounds. During the seminar students had a fruitful interactions during the expert lectures and poster sessions. It has been a though provoking day for the young curious students.

Moreover all 8 students along with Dr. Hardik Desai and Dr. Parth Joshi have also visited the Department of Physics and Department of Material Science, Sardar Patel University. At Department of Physics Dr. Hardik Desai, Mr. Chetan Zankat & Mr. Pratik Patania (Research Scholars) and Dr. G.K. Solanki (Professor) have explained the mechanism and usage of the various experimental units such as Hind hivac 12A4D and Keithly 2400 for thin film coating and IV measurement respectively, Optical Microscope to study the topography of Crystal and thin films and Bridgeman Anvil High Pressure Setup to study the effect of high pressure on Crystalline materials. Students have also visited the Theoretical Physics Lab. where



Image 5: At research laboratory, Department of Material Science, Sardar Patel University, Vallabh Vidyanagar

Image 6: At Department of Physics, Sardar Patel University, Vallabh Vidyanagar

Dr. Hardik Desai had explained about the way of dealing with the computational problems and High configuration computer systems used to solve the research problems. At Department of Material Science Dr. Parth Joshi had explained about the working principle and functioning of instruments namely FTIR, UV VIS, TGA, DSC, TMA, SEM, Gas Chromatography, Viscometer, Furnaces, Extruder, BET and Particle Size Analyzer. Students got astonished after seeing such a vivid research facilities. It's been a great and motivating experience for the students. Such visit proves to be great learning experience and inspires them to build their career in the Research Field. Dr. Shree Mishra on behalf of Department of Physics, UTU acknowledge the support and permissions by Prof. R.H. Patel (HOD, Dept. of Material Science, and SPU) and Prof. U.H. Patel (HOD, Dept. of Physics, and SPU).