



S.S.AGRAWAL INSTITUTE OF COMPUTER SCIENCE

Affiliated to Gujarat Technological University

Report- Industrial Visit

**Centre for Development of Advanced Computing (C-DAC), Pune,
Lonawala and “Imagica Theme Park” Mumbai
(8th March 2017 to 11 March 2017)**

S.S.Agrawal Institute of Computer Science organized a three day Industrial Visit tour for MCA students who were accompanied by the two teaching faculties namely Dr. Nirbhay Chaubey, Associate Professor and Principal (I/C) and Prof. Vipa Desai, Assistant Professor to CDAC, Pune, Lonawala and Imagica Theme Park, Mumbai on 8th March to 11th March 2017. The visit was organized with the prior permission of management.

Along with the students specially Bhavinkumar Parekh, Jemini Rana, Akshay Rathod and Pallavi Joshi and faculty members, have taken hard efforts and initiative under the continuous support and guidance of the Principal, which made this visit a grand success. Students and faculty members assembled at the college campus at 10 p.m. on 8th March 2017, left the college in a private hired luxury bus and reached Hotel Harshali Park, Off: “Imagica Theme Park” Khopoli-Pali Road, Mumbai, at 6:30 a.m. on 9th March 2017. After getting fresh, had breakfast and then visited famous “Imagica Theme Park”, Mumbai a place where the fun begins and never ends, In Imagica, experienced zero gravity, fighting with Mogambo, thrilled of exciting rides like Nitro India's biggest, craziest roller coaster, Scream Machine a gigantic rotating pendulum , Dare 2 Drop (had feeling shoot to the sky and drop to the ground), Deep Space etc., enjoyed and had lots of fun.

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[A View of group photo at “Imagica Theme Park” Mumbai]

At 9 p.m, 9th March 2017, reached “Rainbow Resorts”, Lonawala, had dinner and night stay in the resorts. On 10th March 2017 morning, we started travelling to visit Centre for Development of Advanced Computing (C-DAC), Pune, reached C-DAC at 10:30 a.m. CDAC is the premier R&D organization of the Ministry of Electronics and Information Technology, Govt. of India for carrying out R&D in Information Technology, Electronics and associated areas. The setting up of C-DAC in 1988 was to built a Supercomputers in context of denial of import of Supercomputers by USA. Since then C-DAC has been undertaking building of multiple generations of Supercomputer starting from PARAM with 1 GF in 1988. C-DAC has been at the forefront of the Information Technology (IT) revolution, constantly building capacities in emerging/enabling technologies and innovating and leveraging its expertise, caliber, skill sets to develop and deploy IT products and solutions for different sectors of the economy

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[Presentation by Mr. Parimal Wagh, Officer, R&D, CDAC, Pune]



[During Demo of “PARAM Shavak”, also seen Mr. Aditya Sinha, Principal Technical Officer, CDAC, Pune]

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[“PARAM Shavak”, world’s first compact and energy efficient supercomputer]

“PARAM Shavak”, world’s first compact and energy efficient supercomputer launched by CDAC. Supercomputer in a Box solution, aims to provide computational resource (Capacity building) with advanced technologies to perform the high-end computations on a larger scale for the scientific, engineering and academic programmes. “PARAM Shavak” consists of 2 multicore CPUs each with minimum 12 cores along with two number of accelerator cards, 3 Tera-Flops peak computing power with 8 TB of storage, Pre-loaded with parallel programming development tools and libraries. The entire configuration is available in a single server in a table top model. Regardless to the traditional HPC systems/supercomputers, this system does not require specific support infrastructure like precision air-conditioned environment, controlled humidity etc. Also, the accepted sound level is very less when compared to the traditional servers. This brings down the infrastructure cost of the system. After visiting the CDAC, we started our journey to see Rajiv Gandhi Infotech Park, Hinjewadi which houses many IT companies include Infosys, Wirpo, Accenture Services Pvt. Ltd. , Cognizant Technology Solution (I) Ltd. and HCL etc. In the evening at 8:30 p.m. returned at “Rainbow Resorts”, Lonawala on the same day.

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[Group Photo- Students and Faculty members of S.S.Agrawal College at CDAC, Pune]

We left the Hotel “Rainbow Resorts”, Lonawala at 10.30 p.m. on 10th March 2017 and arrived early morning 7 a.m. at our college campus, Navsari on 11th March 2017.

Industrial visit has its own importance in a career of a student who is pursuing a professional degree. Overall, the visit was an informative, interesting and a successful visit. Students express their thanks to the CDAC for giving an insight regarding internal working of companies, opportunity to interact with CDAC officials and to the Management who permitted to go on the visit and faculty members who accompanied with us.

Report prepared by
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