A REPORT ON

INDUSTRIAL VISIT AT

"C-DAC"

Scheduled on:-7th MARCH, 2019

Department of Electronics and Communication Engineering

Department of Electronics and Communication Engineering

VIVA INSTITUTE OF TECHNOLOGY

At. Shirgaon, Virar(East), Taluka-Vasai, Thane District – 401303, Maharashtra

Website: www.viva-technology.org

A.Y. 2018-2019

Centre for Development of Advanced Computing (C-DAC), Pune occupies a special place in the evolution of the organization as a premier hub for cutting edge R&D. Bestowed with the distinction of being the first C-DAC centre to be established in the country, C-DAC, Pune has been at the forefront of the organizations R&D initiatives and spearheading several national programmes of strategic importance. C-DAC, Pune is credited for the first indigenously developed PARAM supercomputer and establishing the nations credentials as an enabler of advanced technologies. While placing India on the select world map of supercomputing nations, C-DAC, Pune has continued to pioneer the open frame architecture to deliver PARAM Yuva, which was also India fastest supercomputer and rated 64 among world's top supercomputers.

C-DAC, Pune is also recognized for promoting the concept of multilingual computing in the country to take IT to the grassroots level by defining the standards for the adoption of Indian languages on computers. Since then, the centre has made great strides in this arena through products and technologies that have created a new platform for multilingual users in India as well as abroad.

The expertise garnered through the years of experience has also led C-DAC, Pune to diversify its activities to other domains of advanced R&D namely geomatics, human-centred design & computing, health informatics and education & training. This in turn has elevated C-DAC, Pune into the role of a mentor and an incubator of innovation, in the greater national interest.

As part of the mandate to generate manpower to address the growing demand for trained manpower in the advanced areas of Information Technology, C-DAC, Pune established its Advanced Computing Training School (ACTS). Currently the centre offers a variety of course options including for international collaborations.

In CDAC, students were enlightened by Super Computer PARAM YUVA II. Current Yuva Super computer was explained in detail. Hands on knowledge was shared on software's like Paryavekshanam, GIS based solutions, Health Informatics, Linux based BOSS, Grid computers, Multi-lingual computing, online examinations for GTU and lot many. FOSS-(Free & Open Source System) was discussed in detail. Students were fascinated by gaining knowledge of multiple technologies under one roof. The students made the session more live by asking questions to CDAC officials.

Impression of VIVA students on CDAC:-

• Eagerness to know the Super computer

• Enthusiastic observer (they asked question behind the technology).

• Technical discussion on IoT, cloud Computing, Mobility, User experience, Apps

Implications of the Visit

The students were very enchanted as Industrial Visit to PUNE-THE IT HUB, opened the doors for merging their IT skills with current requirements of information era. They also discussed how students can start developing small projects and turn it into gigantic software which will be a milestone for IT industry. They set up a huge horizon to develop project and research activities. Students were delighted to visit one product based and one service based company. The tour ended with wonderful memories to cherish.

Total 24 students and 2 faculty visited CDAC

The tour was planned by Prof. Meena Perla and was accompanied by Prof. Shoeb Shaikh & Prof. Chitra Takle.