Institution Innovation Council (IIC)

Report on
Industrial Visit

Central Institute of Tool Design and Ministry of Micro, Small and Medium Enterprises
On 18 April 2019

Organized
in collaboration with IIC MHRD

by

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MHRD'S INNOVATION CELL
(GOVERNMENT OF INDIA)
INDUSTRIAL VISIT REPORT: CITD AND MSME

KG Reddy College of Engineering and Technology, Moinabad, Hyderabad
On 18-4-19

Industrial Visit in CITD and MSME at Balanagar, Hyderabad

We the Faculty Members from various departments of KGR CET, visited CITD and MSME Tool Design on 18th April, 2019. Initially, there was a presentation about CITD and MSME by Dr. Chandrashekar Rao. Later on he discussed about training courses for engineering students. Thereafter, Dr. Sanath Kumar shared his knowledge on different machineries, workstations and AI Tool box.

The Micro, Small and Medium Enterprises Development Institute (MSME-DI) Hyderabad, Established in the year 1956 and The Central Institute of Tool Design is a premier Institute in Asia to provide specialized training courses in Tool Engineering, CAD/CAM, VLSI & ES and Automation. The Institute was established in the year 1968 by the Government of India with the assistance of UNDP and ILO as an executing agency, The Institute conducts training programs right from Diploma to Post Graduation level. The Institute is also conducting Three M.E Programmed in collaboration with JNTU-H and Osmania University, Hyderabad. The Institute also conducts International training programmers in CAD/CAM, Tool Design Automation and VLSI Embedded areas.

In addition to the training programmers, the Institute also undertakes Design and manufacture of Tooling’s/Precision Components, Assemblies and Automation Systems. The Tool room is equipped with sophisticated machines such as CNC 5-Axis & 4-Axis Vertical machining centers from Bridgeport, USA, Harding CNC Lathe, CNC Charmillies Robo form EDM, CNC AGIE Wire cut EDM machine, Kellenberger CNC Cylindrical Grinding etc., supported by a Metrology Laboratory with CNC CMM with Reverse Engineering Facility and a collaboration center to maintain Quality Standards.

The Institute is having a Library and Documentation center with vast collection of Books, journals, Literature and Standards. The CAD/CAM center at CITD is equipped with around 500 latest workstations, scanner, CD writers and Licensed Software’s like PRO/E/CREO,CATIA, UNIGRAPHICS, etc., The center is having CNC Table top Lathe and Milling machines from Emco-mier &MTAB, Austria. The center also provides night lab facility. The Automation center at CITD is equipped with various simulator training kits from FESTO, Germany like Automation Studio, Pneumatics Trainer, etc.,

The ESDM Department is equipped with latest EDA Tools like Cadence, Synopsio, Mentor Graphics and Matlab. The Department also have Hardware like FPGA Kits, AVR, ARM, etc.,
The Institute in order to provide hands on exposure to the engineering student fraternity on the latest hardware, software and CNC machines, metrology and automation.

Finally, The Director of MSME, Dr. Rajashekar Garu is interested and moving towards MOU with KG Reddy college of Engineering and Technology for students regarding internships and hands-on training courses.

CITD Campus at Bala Nagar, Dr. Sanath Kumar’s Presentation on Machineries

Dr. Rajashekar Rao Garu, Discussing about MOU with KGRCET, Photo session with MSME and CITD Employees

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