



K.S.INSTITUTE OF TECHNOLOGY, BANGALORE – 560109



DEPARTMENT OF
COMPUTER & COMMUNICATION ENGINEERING



INDUSTRIAL VISIT REPORT on “Government Tool Room & Training Centre”

Date of Visit: 10 July 2024

Venue: Rajajinagar , Bangalore

Government Tool Room and Training Centre:

Government Tool Room & Training Centre (GTTC) a globally acclaimed Tool Room and Training Centre. This is a joint venture of the Government of Karnataka and DANIDA, Government of Denmark, established in the year 1972. The Government of Karnataka has established 30 GTTC Centers all over Karnataka and a skill development center. The main objective is to provide skilled manpower and technical services to the existing and emerging Industries all over the world.

GTTC has trained more than 50,000 candidates in various Diploma and Short Term Skill Development Training Program. GTTC graduates have underlined their presence around the world in various domains like Tool & Die maker, Tool Designers, CNC programmers and Mechatronics and Electronics technicians Diploma graduates of GTTC due to their excellence in skill are most sought after in countries such as Australia, Canada, Singapore, Malaysia etc. Alumni of graduates GTTC have been entrepreneurs in the Precision manufacturing area, setting up cutting edge companies and providing employment to youngsters.

GTTC has many firsts to its credit in precision manufacturing. It was the first to establish production of Heart valves, manufacture of an import substitute, SUNSHIELD for ISRO, dies for COCO COLA Bottles, Fire Extinguisher Bottle for ADA and HAL, and complicated castings for Automotive sector. GTTC aims to excel in its chosen fields and serve the Nation and the World

Introduction of GTTC:

GTTC was established in 1972 at Bangalore with the participation of the Karnataka State Government, in collaboration with the Government of Denmark under the Bilateral Development Co-operation Agreement. The excellent performance of GTTC Bangalore, proactive Government of Karnataka which saw the need for expansion, got second unit of GTTC started in 1992 with DANIDA

assistance.

Proliferation of technology for development of the industries with supply of skilled manpower is the key to meet the needs of the global requirement. With this Government of Karnataka encouraged GTTC to start 10 more sub-centers to train in the area of tool and die making in various parts of Karnataka. GTTC is an autonomous society, and a recognized Scientific and Research Organization by the Government of India. Govt. Tool Room and Training Centre (GTTC), is serving industry by way of precision tooling and providing in well trained craftsmen the area of tool and die making. Today, the GTTC has acquired mastery in Mould and Die making technology and have blossomed into an epitome of precision and quality in the development and manufacture of sophisticated moulds, dies and tools. Fully aware of the rapid advancement in technology the world over, the GTTC is periodically adding new technologies to the existing set of advanced equipment like CAD / CAM, CNC machines for tooling, Precision Components, Laser for Industries, Rapid prototyping, vacuum casting etc. GTTC is concentrating on the Integrated Development of the related segments of industries by way of providing international quality tools, trained personnel and consultancy in tooling and related areas. In future, the focus would be more on turnkey projects in Tooling, Aerospace components & their assemblies, and also to support the development of small and medium scale enterprises.

Objectives / key highlights:

- To conduct Industry Oriented Technical Training Programs to youth with Employable skills.
- To assist MSME units in Technological upgrading by providing quality tools.
- To provide highly Skilled Work force to existing and emerging Industries

Participant details:

- No. of participants in total:37
- Students of CCE Dept.-35
- Faculty : Prof. Nagajyothi.T
: Prof: Shashikala.H.C
: Instructor: Lakshmi.k.m

Photos:



Outcomes/Benefits:

- Students understood about the highly skilled work force to industries.
- Students gained the knowledge on the embedded system and its Engineering future.

Attachments:

1. Communication with Resource person
2. Resource person Profile
3. Evaluation and Feedback

CO/PO&PSO mapping -CCE


CO/PO& PSO	PO1	P02	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Event (Industrial Visit)	-	-	-	-	02	02	-	-	02	02	-	02	02	-


PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

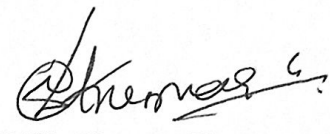
PO6: Engineer and Society: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PSO1: To understand and apply the concepts to design and develop solutions in computer and communication Engineering.

PSO2: To use the inculcated experiential learning for research and develop inventive solutions for social benefits while ensuring security with moral values and ethics.


**T. Naga Jyothi &
Shashikala.H.C**
Event Coordinator


Dr. Chanda V. Reddy
Head - CCE


Dr. Dilip Kumar K
Principal, KSIT