



ACS College of Engineering

Approved by AICTE New Delhi, Affiliated to VTU, Belagavi
(A Unit of RajaRajeswari Group of Institutions)
CET Code : E186 COMED-K : E003 PG CET : T918

INDUSTRIAL VISIT REPORT

Government Tool Room & Training Centre A Society of Government of Karnataka

A complete report on industrial visit organized by ACS college of Engineering , for the students of Mechanical Engineering [3rd SEM] in order to get the practical knowledge about “advanced technology used in manufacture of sophisticated moulds, dies and tools” carried out by Government tool room & training center [GTTC} .



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DETAILS OF JOURNEY

ACS college of Engineering had organized an industrial visit on 14 August , 2018 to GTTC located in Rajajinagar industrial Estate for the students of Mechanical Engineering.

The visit was organized by HOD of Mechanical engineering branch Prof. Siddesha H. S.

Prof. Rakesh S. & Prof. Babu Gowda C. M. were the co-ordinators Faculty for the industrial visit.

We started travelling from the college campus at 10:30 am via our college bus. Totally **26 students** along with **2 coordinators faculty** were there in the journey.

COMPANY PROFILE

Government Tool Room & Training Centre

A Society of Government of Karnataka



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 have 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, 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.

GROUP OBSERVATION

- This Industrial visit is very helpful in our future practical Life & bring a positive change in our thinking & practical behavior regarding Education & specializing our technical skills.
- Got practical knowledge about the advancement in technology of machines.
- Use of programming in field of Mechanical engineering.
- Precise cutting and surface finishing of the jobs.
- Information on different parts & use of CNC machines with multiple cutting tools.
- Making of plastic objects using “Injecting technology“ of plastic .
- Different types of machines available for tool & die making
- Management of manpower and machines.
- Different courses offered by training section



CNC Lathe Machine



Lathe Machine & Bench VISE



Vertical Milling Machine (CNC)



CNC Lathe Machine - Programming



Milling Machine



Finished Product

CONCLUSION

We are thankful for all our faculties for organizing such an Informative event for us in crucial for development of our practical skills regarding tool & die making & other activities.

We got the knowledge on different types of machines used in GTTC and had an opportunity to research on it.

We hope to get more chances further to have such an informative & wonderful experiences of visiting different industries.