

**Department of Computer Science and Engineering
 School of Engineering and Technology
 CHRIST (Deemed to be University), Bangalore**

Activity Report

General Information

Type of Activity	Industrial Visit
Title of the Activity	GTTC-Industrial Visit
Date/s	27/02/2024
Time	10:30 am to 12:30 pm
Venue	Sensors and Robotics lab, GTTC, Rajajinagar Industrial Town, Bangalore 560023

Participants profile

Type of Participants	4BTCS C
No. of Participants	57+3

Synopsis of the Activity (Description)

Highlights of the Activity	To impart technical skills and value added education to students and to make them as Industry ready to fill the gap between Industry expectations and students.
Key Takeaways	Use of CAD and CAM designing, 3D Printing Strays model, Automatic Material Handling, Automated Plasma Welding machine, Rapid Prototyping of designs, Dynascan object Enhancer machine, IOT enabled objects segregating Machine.
Summary of the Activity	Smart Technologies available in the market and to make use of it, Available skill enhancement programs and short term Internship programs in GTTC.
Follow-up Plan, if any	Internships.

Rapporteur

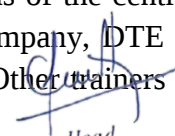
Name of the Rapporteur	Dr. Manjunatha Swamy C
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Speaker Profile

Name	Mr. Srinivas Gopal, Center Incharge Mr. Harshith, Mr. Chethan Kumar, Mr. Mahesh, Ms. Nikitha Trainers, GTTC
Designation	Trainers

Summary of the Activity:

Mr. Srinivas Gopal Described about the centre facilities and functions of the centre through government authority. Centre is collaborated with SAP, Siemens company, DTE and VTU University to run various recognized and Industry oriented courses. Other trainers explained


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how centre is also running high quality training on various domains of technology includes 3D printing, Designs, Materials handling.

IOT enabled courses related to data science, AI and materials management.

Company Profile:

Government Tool Room Training Centre (GT&TC), Bangalore was established in 1972 with the participation of the Karnataka State Government, in collaboration with the Government of Denmark under the Bilateral Development Co-operation Agreement. The college is affiliated with Visvesvaraya Technological University (VTU). It is approved by the All India Council for Technical Education (A.I.C.T.E). The College offers a Bachelor of Engineering in Tool Engineering and Precision Manufacturing and an M. Tech in Tool Engineering.

GT&TC is now adding new technologies like CAD / CAM, CNC machines for tooling, Precision Components, Laser for Industries, Rapid prototyping, vacuum casting, etc. The College offers final placements to students in various slots. The placement cell timely organizes aptitude skill tests, General orientation programs group discussions, etc. to improve the student skills and prepare them for the final interview. The main objective of the institute is to improve efficiency, innovate processes, and adopt technologies that meet the all requirements of the stakeholders.

Detailed Report on Industrial Visit:

We all reached the training centre at 10.30am morning. Later Mr. Srinivas Gopal addressed the students about GTTC functions and various associations with other companies and VTU university as well to deliver quality oriented training on Industry demands technologies.

Later students are divided in to two groups and taken them to different centre of excellence labs to narrate on how centre is implementing automation in mass manufacturing process.

Material management labs, Materials finishing Labs, Automotive plasma welding units, Spot welding units and Object magnification/ Lifting units in the ground floor. Students are actively participated in the discussion with trainers. Later students are taken to Rapid prototyping lab where designing is automotive. Then students visited to IOT lab to describe how objects are identified using various sensors and actuators to segregate objects based on size and shape.

Finally concluded with various opportunities available with GTTC to enhance knowledge on various highly skilled and Industry demanded courses as Internships.

Learning outcomes:

- Students are able to analyze the practical implementation of automation on various aspects using programming which includes Material designing, Magnification testing, use of IOT enabled devices.
- Able to do Internships and skill enhancement programs.


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Feedback of the event:

The introduction provides a clear overview of the Government Tool Room Training Centre (GT&TC), its establishment, affiliations, and objectives. It effectively sets the context for the subsequent information. The addition of new technologies like CAD/CAM, CNC machines, etc., showcases the institution's commitment to staying updated with industry demands and enhancing students' skill sets. This information adds value by highlighting the institution's adaptability and relevance. Adding statistics or data on the success rate of internships or skill enhancement programs offered by GT&TC could strengthen the narrative of their effectiveness.

Overall, the content effectively communicates the activities and offerings of GT&TC, highlighting its relevance in preparing students for the industry through practical training and exposure to cutting-edge technologies.

Sample Photographs of the Industrial Visit



[Signature]
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[Signature]
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Attendance Report

List of Student Participation:

S. No	Reg No	Student Name	Phone Number	Mail ID
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54	2262669	TENZIN TSERING RUBLING	91 7624985027	tenzin.rubling@btech.christuniversity.in
55	2263027	SAVIO SUNNY	91 8921214518	savio.sunny@btech.christuniversity.in

List of Faculty Participation:

S.no	Faculty Name	Phone Number	Mail id
1.	Dr. Vandana Reddy	8105678191	vandana.reddy@christuniversity.in
2.	Dr. Sathish P K	9448720539	sathish.pk@christuniversity.in
3.	Dr. Manjunath Swamy	8618452160	manjunathaswamy.c@christuniversity.in

PO and PSO Mapping:

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
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IMPACT ANALYSIS:

Affiliation with Visvesvaraya Technological University (VTU) and approval by AICTE ensure rigorous academic standards, enhancing the credibility of degrees conferred by GT&TC. Practical exposure during industrial visits bridges the gap between theoretical knowledge and practical application, facilitating a deeper understanding of industrial processes and fostering critical thinking.

The proactive approach of GT&TC's placement cell, including aptitude tests and orientation programs, increases students' readiness for the job market, leading to higher placement rates. Collaboration with industry partners and incorporation of cutting-edge technologies aligns training programs with industry needs, producing graduates who are immediately valuable to employers.


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Head of the Department

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NFA – Industry Visit to GTTC, Bengaluru

NOTE FOR APPROVAL

Ref: NFA/CU/SoET/2023-24/CSE/IV-04

DATE: 23/02/2024

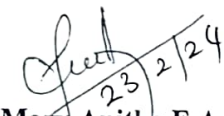
- 1) As a part of industry visit the department of CSE planned to make visit to Sensors and Robotics lab visit, GTTC, Rajajinagar, Bangalore for students of 4th semester^{CSE} on 27th of February 2024.
- 2) Total number of students making visit are 57, along with 2 faculty members.
- 3) As a requirement department need vehicle facility to take to the venue: for above mentioned date. Needed permission for the same.

Submitted for kind approval

Prepared by, Santhrupth B C


23/2/24
Santhrupth B C

IV Co-Ordinator, Dept.Of CSE


23/2/24
Dr. Mary Anitha E A
HOD, Dept.Of.CSE


Dr. Iven Jose

Dean, SoET
Dean


Dr. Fr. Sony J Chundattu

Director


Fr. Jiby Jose

Finance Officer -
Kengeri Campus

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Feedback form on GTTC

Name

S VIDHU KRISHNA

Register number

2260432

The visit was well organized

Very Good



Aims and objectives of the visit was explained at the beginning

☒ YES

☐ NO

The Teacher/Resource Person encouraged student participation

☒ YES

☐ NO

Are you able to apply knowledge and skill to manage projects in a multi- disciplinary environment after you have attended few industrial visits

☐ Excellent

☒ Very Good

☐ Good

☐ Poor

Have you used creative thinking to design mechanical equipment's & domain software tool after you visited the industries and exposed to the real environment of working.

☒ Excellent

☐ Very Good

☐ Good

☐ Poor

I recommend this field visit to be continued.

☒ YES

☐ NO

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Feedback form on GTTC

Name

SOORAM AKKSHITH REDDY

Register number

2260443

The visit was well organized

Very Good



Aims and objectives of the visit was explained at the beginning

☒ YES

☐ NO

The Teacher/Resource Person encouraged student participation

☒ YES

☐ NO

Are you able to apply knowledge and skill to manage projects in a multi- disciplinary environment after you have attended few industrial visits

- ☐ Excellent
- ☒ Very Good
- ☐ Good
- ☐ Poor

Have you used creative thinking to design mechanical equipment's & domain software tool after you visited the industries and exposed to the real environment of working.

- ☐ Excellent
- ☐ Very Good
- ☒ Good
- ☐ Poor

I recommend this field visit to be continued.

- ☒ YES
- ☐ NO

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Feedback form on GTTC

Name

SUJAL PRADHAN

Register number

2260449

The visit was well organized

Very Good



Aims and objectives of the visit was explained at the beginning

☒ YES

☐ NO

The Teacher/Resource Person encouraged student participation

☒ YES

☐ NO

Are you able to apply knowledge and skill to manage projects in a multi- disciplinary environment after you have attended few industrial visits

- ☒ Excellent
- ☐ Very Good
- ☐ Good
- ☐ Poor

Have you used creative thinking to design mechanical equipment's & domain software tool after you visited the industries and exposed to the real environment of working.

- ☐ Excellent
- ☒ Very Good
- ☐ Good
- ☐ Poor

I recommend this field visit to be continued.

- ☒ YES
- ☐ NO

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Feedback form on GTTC

Name

THARANIHA L

Register number

2260459

The visit was well organized

Very Good



Aims and objectives of the visit was explained at the beginning

☒ YES

☐ NO

The Teacher/Resource Person encouraged student participation

☒ YES

☐ NO

Are you able to apply knowledge and skill to manage projects in a multi- disciplinary environment after you have attended few industrial visits

- ☒ Excellent
- ☐ Very Good
- ☐ Good
- ☐ Poor

Have you used creative thinking to design mechanical equipment's & domain software tool after you visited the industries and exposed to the real environment of working.

- ☐ Excellent
- ☒ Very Good
- ☐ Good
- ☐ Poor

I recommend this field visit to be continued.

- ☒ YES
- ☐ NO

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