

Geethanjali College of Engineering and Technology (Autonomous)

Department of ECE: Industry Institute Interaction:

Summary of Industrial Visits of Students/Faculty

S.No.	Year /Sem	Date of visit	Name of place and Industry visited	No. of Students	Faculty members accompanied
1	III-II	1/30/2025	ICOMM TELE Pvt Ltd	50	2
2	II-II	1/29/2025	LEDChip Indus Pvt Ltd	53	2
3	-	23-Oct-2024	Convergence of Academia & Industry MarconiTech And Siemens	-	2
4	-	23-Sep-2024	TechFluent Solutions, Hyderabad	-	3
5	-	3-Aug-2024	Sumedha IT Solutions, Hyderabad	-	2
6	III-I	28 Aug 2024	IRISET, Tarnaka, Hyderabad	51	2
7	II-I	30-Aug-2024	Datalog Controls & Solutions Pvt.Ltd., Cherlapalli, Hyderabad	50	2

Impact of the above visits is as follows:

The students enthusiastically participated in the industrial visits and are motivated to understand the best practices followed in the industrial environment.

Guest lectures by experts from industry

S.No.	Date	Title of the Guest Lecture	Name of the resource person	Organisation and Designation	Professional Body	Target Audience
1	10-Dec-2024	Industry Talk – Recent Trends in HVDC and Power Electronics Mode: Offline at GCET	Dr. Ram Adapa,	Technical Executive, EPRI, USA IEEE Fellow Global Expert in HVDC & Power Electronics		B.Tech Students
2	6-Dec-2024	Awareness Session on “Generative AI” Mode: Online	Mr.Uma Desu	Chief AI Officer		B.Tech Students
3	10-Sep-2024	"Developing a Winning Mindset"	Y. Viswa,	Corporate Strategist, Robert Bosch,	-	ECE II year
4	3-Jul-2024	AI enabled embedded Systems Development for Vision and Speech Processing use Cases	Mr. B. Chaitanya and Mr. Ch. Phani	Principal software Engineer and Senior software Engineer Brain chip Inc., Hyderabad.	IEEE CAS SBC	44 students attended

Impact of guest lectures:

The experts from industry highlighted various applications of state-of-art technologies in the real world. The students found the sessions very interesting and are motivated to delve deeper to enhance their knowledge and execute mini / major projects.

Memorandum of Understanding (MoU) for Collaboration with Industry and Impact of Interaction

S.N.	Name of Industry	Impact of Interaction
1.	Datalog Controls and Solutions Private Limited, Hyderabad	☐ Industrial visit by faculty and students ☐ The CEO of this industry was invited as a Judge for the final year Project Exhibition. ☐ Opportunity to students for Internship and execution of Mini/Major Projects
2	LED Chip Indus Private Limited, Hyderabad	☐ Industrial visit by faculty and students ☐ Guest lectures were given by industry experts to students ☐ Opportunity to students for Internship and execution of Mini/Major Projects
3	Indian Railways Institute of Signal Engineering and Telecommunications (IRISET)	☐ Opportunity for faculty to get trained by IRISET in Railway Signal Engineering and in indigenous Automatic Train Protection (iATP)-Kavach, and subsequently offer short duration certificate courses to students. ☐ Opportunity for Industrial visit to students and faculty / Guest lectures by industry experts ☐ Opportunity for students to do Internship in the industry
4	Physitech Electronics	☐ Established industry supported laboratory on IoT. ☐ Conducted FDPs on Raspberry-Pi, NodeMCU and IoT applications.
5	Chandhar Research Labs Pvt. Ltd	☐ Established wireless communication laboratory related 4G/5G communication ☐ Conducted 5G Communication and implementation using hands on session
6	Silicon Labs India Pvt Ltd	☐ Established Silicon Lab Innovation Center in GCET with associated HW and SW ☐ Conducted a workshop to students on IoT and its applications

S.N.	Name of Industry	Impact of Interaction
7	BrainChip Systems India Pvt Ltd	□ Collaborative initiative for neuromorphic computing applications development in Edge AI. □ Teams from ECE and CSE have just started working on this initiative.

FDPs conducted with Industry Experts as Resource Persons:

S.N.	Name of the FDP / SDP	Date(s)	Resource Person(s)	No. of Faculty Attended
1	Mastering MS Excel	5-Aug-2024 to 10-Aug-2024	Mr.Ilesh, Asso.Director, National Academy	15
2	VEGA PROCESSOR AND IT'S APPLICATION	2-Sep-2024 to 6-Sep-2024	Mr.LIBIN.T.T,SCIENTIST ,C-DAC TRIVANDRUM	10

Impact of the above FDPs / SDP is as follows:

The faculty had gained knowledge on how machine learning impacts various fields namely signal processing, communication and control systems.

Workshops and SDPs conducted for students with Industry Experts as Resource Persons:

S.No.	Name of the Student Development Program	Event Type	Details of the Resource Person(s)	From	To	No. of days	No. of students attended
1	Vegathon	Workshop	C-DAC	11-Nov-2024	16-Nov-2024	6	28 External Participants
2	PCB Design	Skill development program	VGS and Technologies Pvt.Ltd.	8-Nov-2024	30-Nov-2024	5	50
3	5G Communications and Implementation Using Hands-On session	Workshop	Chander Labs	6-Nov-2024	10-Nov-2024	5	15

4	Analog and Digital (RTL to GDS) flow using Cadence Tools	Workshop	Entuple Technologies Pvt.Ltd	28-Oct-2024	2-Nov-2024	5	20
5	Vega processor and its Applications	Workshop	CDAC	2-Sep-2024	6-Sep-2024	6	50

Impact of the above Workshop is as follows:

The Students had gained knowledge on how to design PCB and got practical exposure to PCB design levels and were able to design based on assignment given by Resource person

In vega processor workshop students gained knowledge and were able to design basic projects.

In 5G communication students were able to interface IoT MQTT protocol and learn 5G communication.

Partial Course Delivery by Industry Person:

1. 30 Hours Course Delivery on “**Digital Design through Verilog HDL**” by **Ms. S. Sowmya, Engineer II-Design, Microchip Technologies, Hyderabad**, held from **21st September to 9th November 2024**.

No. of students Participated: 38

Impact of the above Session:

The “Digital Design through Verilog HDL(DDVH)” workshop participants had hands-on experience in hardware description languages (HDL) and their applications in digital circuit design. The workshop introduced Verilog programming and simulation, to students and professionals in VLSI design and digital electronics.

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