



CENTER FOR INVENTION, INNOVATION, INCUBATION & TRAINING (CIIT)

**Government College of Engineering
Chandrapur – 442403 (M.S.)**

**(A joint initiative by TATA Technologies Ltd Industry Consortium &
Government College of Engineering, Chandrapur.)**

**Online Training/Internship at
CIIT, GCOE Chandrapur.**



TATA TECHNOLOGIES LTD

Govt. College of Engineering, Chandrapur





ONLINE TRAINING/INTERNSHIP COURSES

(02 weeks)

(Online Training/Internship for Engineering and other discipline students)

Course (1): Robotics and Digital Manufacturing

Week 1	
Day No.	Title (Advance technology areas which will be described and demonstrated online)
1	Introduction to Robotics -Part 1
2	Introduction to Robotics -Part 2
3	Robot Programming-Part 1
4	Robot Programming-Part 2
5	Robot Programming-Part 3
Week 2	
Day No.	Title (Advance technology areas which will be described and demonstrated online)
1	Introduction to Digital Manufacturing and Robotic Simulation Part -1
2	Introduction to Digital Manufacturing and Robotic Simulation Part -2
3	Introduction to Digital Manufacturing and Robotic Simulation Part -3
4	Introduction to Digital Manufacturing and Robotic Simulation Part -4
5	Online Examination Project work / Presentation / Demonstration (Individual or A group activity)

Course (2): Internet of Things (IOT)

Week 1	
Day No.	Title (Advance technology areas which will be described and demonstrated online)
1	Introduction IoT
2	C language
3	Microcontroller System
4	Arduino Software and Hardware
5	Arduino Programming

Week 2	
Day No.	Title (Advance technology areas which will be described and demonstrated online)
6	Introduction ESP8266 WiFi
7	Controll device using local N/W
8	Introduction to Cloud
9	ThingsWorx Cloud
10	Case Study and Future Scope and Online Exams

Course (3): Electric Vehicles and Hybrid Technology

Week 1	
Day No.	Title (Advance technology areas which will be described and demonstrated online)
1	Introduction to EV
2	Basic Automobile
3	Basic Automobile
4	Types of EV & Hybrid vehicles
5	Basic Auto Electricals
Week 2	
Day No.	Title (Advance technology areas which will be described and demonstrated online)
6	Prime Movers
7	Battery
8	Motor Controller
9	BMS - Battery Management System
10	Conclusion / Exams / Presentation / Assignments



Common Information, Terms & Conditions:

- Duration of Training/Internship : 02 Weeks (02 Hrs per day, Mon. to Fri)
- Eligibility condition: II, III & IV year B.E./ B.Tech. Or Second/Final year Diploma in Engineering & Technology. UG/PG students from Engineering & Technology/ Research scholars.
- **Fees: Rs. 1000/-** per course (online payment on institute website: www.gcoec.ac.in , then click, payment Gateway -- online payment(SBI collect) - CIIT Course fee) (Note: Write 0, in place of Course code, Processing Fee, Other Fee)
- **Trainers: Experts / Sr. Consultants from Tata Technologies Ltd.**
- Certificate shall be awarded to participants after successful completion of training.
- Batch size: Maximum 40 students per batch, (Batch will commence only if minimum 15 no of students are registered in a batch)
- CIIT authority reserves the right to change batch commencement date, timings and batch size.

For more Details, Contact:

Dhairyasheel - 9284227800 ,

Shyam - 8149779347, 8830211489.

Email: ciiit@gcoec.ac.in ;

chiefcoordinatorciiit@gcoec.ac.in

(Dr.S.G.Akojwar)

Principal

GCOE Chandrapur

(Prof. G. R. Chavhan)

Coordinator- Training

CIIT, GCOE Chandrapur