



# 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](http://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 ,**

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**(Dr.S.G.Akojwar)**

**Principal**

**GCOE Chandrapur**

**(Prof. G. R. Chavhan)**

**Coordinator- Training**

**CIIT, GCOE Chandrapur**