

## ONLINE TRAINING-CUM-INTERNSHIP PROGRAM POWERED BY UGCPL



### Important information related to one-month Training-cum-Internship Program

- ✚ On registration confirmation, a common whatsapp group will be formed, where the students will be getting all necessary updates including the joining link (MS Teams / Google Meet) for online sessions.
- ✚ Two-hours online session on alternate-day-basis will be held from 3.00 pm to 5.00 pm (A minimum of 30 Hrs in one month and a minimum 50 hours in 45 days). Timing schedule may change on request of majority of the participants
- ✚ 25 % of the allocated time will be for real time project work implementation.
- ✚ Project work will be in group of students (group will be consisting of a maximum of 8 students).
- ✚ Submission of complete project report by the participant is mandatory for the Internship Certification–One copy of the project report needs to be submitted at the parent Institution/Department and another copy will be required to be submitted to UGCPL.
- ✚ Software based project work will be free of cost and sufficient requirement for the Internship Certification. However, those students who wish to have their project work that need electronics/electrical/mechanical components, need to make their own arrangement for the same or alternatively bear the cost of the kit for delivery from UGCPL.
- ✚ Upon submission of project report in the concerned parent Institute/Department, the participants will be able to download their Internship Certificates within 10 working days from our website ([www.ugcpl-india.com](http://www.ugcpl-india.com)). The hard copy of the certificates will be submitted to the T&P Cell of the concerned University/Institute on request within 20 days time period.
- ✚ After successful completion of Training–cum–Internship program, students may submit their copy of certificate along with their updated resume/CV online to UGCPL by e-mail for availing *lifetime free campus placement opportunities* offered by UGCPL.

## Unati Global Connect Private Limited (UGCPL)

| Integrity | Sanctity | Commitment |

- The participants will have to make their own arrangement of resources like Laptop or PC or smart phone and internet connectivity for attending the sessions through MS Teams/Google Meet platform.

### Course Structure/Schedule of the Training-Cum-Internship on

### INTERNET OF THINGS

Module	Topic
<b>Module 1</b>	Introduction to IOT Scope, opportunity, application IOT PROTOCOL IOT Architecture Different IOT Devices Networking concept Introduction to arduino programming Introduction to python programming
<b>Module 2</b>	WiFi devices WiFi connection AT Command for WiFi access WiFi board setup (processor and controller) Programming with I/O ports Analog sensor interfacing Digital sensor interfacing LED and motor interfacing concept Load control using WiFi based system
<b>Module 3</b>	Introduction to cloud computing Working with different cloud services Local IOT Global IOT Introduction to HTML Basic HTML code for web design Data upload into cloud WiFi based device control
<b>Module 4</b>	Introduction to MIT App Inventor App design using MIT app inventor
<b>Module 5</b>	Project work and documentation