



# Electronics & ICT Academy

Indian Institute of Technology Guwahati, Guwahati 781039  
An initiative of Department of Electronics & Information Technology (DeitY)  
Ministry of Communications and IT, Govt. of India



## Invitation for participation in various course at Electronics & ICT academy (E&ICT Academy), IIT Guwahati

We are pleased to inform that Department of Electronics and Information Technology (DeitY), Ministry of Communication and Information Technology (MCIT), Government of India (GoI) has decided to set up an Electronics and ICT (E&ICT) Academy at IIT Guwahati along with four other such academies. These academies are being set up for faculty/mentor development and upgradation to improve the employability of graduates/diploma holders, in general, including those in Electronics and ICT streams, through the collaboration of State Governments with the financial assistance from the Central Government. These academies are also entrusted to work towards creating a pool of skilled human resource in emerging areas in consonance with the Digital India and Electronic Design and Manufacturing (ESDM) initiatives of Government of India (GoI). The academy at IIT Guwahati has been given the mandate to cover the North-East region. As per the mandate given by DeitY, each Electronics & ICT academy (E&ICT Academy) has to conduct various courses to train manpower in the area of emerging technologies and to impart knowledge in industry driven courses to increase employability. Therefore, we invite interested academic institutions to associate with the E&ICT academy at IIT Guwahati to get various courses conducted for students and faculty members of their institutes. Participants will be hosted at IIT Guwahati during the conduction of training and development programmes.

We propose to have a standard course of 80 Hrs. duration, out of which 40 Hrs. would be covered in theory and remaining 40 Hrs. would be of hands-on-session. Some of the courses we would be conducting are as follows.

1. C/C++/Perl/Python/Java/C# Programming Languages
2. Data Structures and Algorithms
3. Parallel Programming Languages
4. Introduction to MATLAB
5. Digital Signal Processing
6. Image Processing
7. Pattern Recognition and Machine Learning
8. Mathematical Numerical Techniques
9. Many more.....

We can also cater to specific training/teaching needs of an institution. An individual student has to pay registration fee of Rs. 12,500 per course to attend the training programme. For a group of students from an institute, there may be a discount in the registration fee (However for such cases special approval has to be taken from competent authority at IIT Guwahati).

Interested academic institutes or individuals may contact **Dr. Gaurav Trivedi** through email to [trivedi@iitg.ernet.in](mailto:trivedi@iitg.ernet.in) or by calling him on +918011000783 to know details about participation in various courses. Academic institutes may send a letter of interest and names of students (male/female for hostel accommodation) to Dr. Gaurav Trivedi at his email address mentioned above. The first course is likely to be started in 3<sup>rd</sup> or 4<sup>th</sup> week December 2015.