Jointly Organized by E&ICT Academy and IIIT Kota



Director MNIT Jaipur

Prof. V. Sinha

Prof. Udaykumar R. Yaragatti

Chief Investigator, EICT Academy

Prof. Pilli Emmanuel Shubhakar

Co-Chief Investigators, EICT Academy

Preamble (Electronics & ICT Academy)

Government of India had announced a

National Policy on Skill Development, which

has set a target of skilling 500 million people by 2022 in the domain of

Electronics & IT. Under the plan scheme of

"Digital India Manpower Development". MeitY has set up seven (07) Electronics and ICT Academies as a unit in 03 IITs, 03

NITs and 01 IIIT with an objective of

faculty/mentor development/up gradation

in the areas related to Electronics & ICT

holders. MNIT Jaipur has set up such an

academy for providing specialized training

to faculty and industry persons in the states/UTs of Rajasthan, Gujarat, Daman &

Manufacturing industry-availability of properly trained, skilled and qualified

Number of quality PhDs generated in IT

graduates/diploma

ultimately

of

IT Hardware and Electronics

Prof. Vineet Sahula, ECE

Prof. Lava Bhargava, ECE

Head, ECE (Prof. V. Janyani)

Dr. C. Periasamy, ECE

Dr. S. J. Nanda, ÉCE

Head, CSE

employability

(A) Issues-



MNIT Jaipur http://www.mnit.ac.in/eict

Chairman, Advisory Board, EICT Academy &

Honorary Academic Chair, EICT Academy

Online Program cum Internship on

Building IoT Applications: Using Open Source

21st June – 31st July 2021

http://academymnit.wordpress.com



Online Summers Training Programme



meity.gov.in/content/schemes-projects

This online internship/training program is designed keeping in mind the need of UG/PG Students as well as PhD scholars and faculty members who are working in this area. This training course shall cover both theoretical as well as the practical aspects which will help participants not only in their coming final year B.Tech projects but also in their campus interviews by describing these designing parts to Companies and they can show their ability to work on software & hardware platforms. The main theme of training program will be oriented around exploring the state of art methods for Internet of things (IoT), Machine learning and applications including open-source tools and techniques. This online programme cum internship will cover- how to use open-source platforms for designing IoT applications with intensive hands-on sessions (demonstrations). The experts from NIT / IIT / Industry & prestigious foreign universities would be conducting the sessions. The sessions would be 2 hours per day in evenings.

Experts/Speakers-

- Dr. C. P. Ravikumar, Texas Instruments Bengaluru
- Prof. Santanu Chaudhury, Director IIT Jodhpur
- Dr. R. Gopalakrishnan, IRTS, General Manager (Data Analytics), Centre for Railway Information System (CRIS)
- 4) Dr. Anshu Gupta, General Manager - ADAS, Continental AG
- 5) Dr. Namita Sharma, Manager, Intel Corporation
- Dr. Saumyabrata Dev, Assistant Professor, University College Dublin Ireland 6)
- 7) Dr. Sivanagaraja Tatinati, PhD (South Korea), Data Analyst, Vedantu
- 8) Dr. Arun Kumar, NIT, Rourkela (consent awaited)
- 9) Dr. Shilpa Manandhar Scientist, Astar - Singapore
- 10) Dr. Akhil Ranjan, Scientist, Tamasek Laboratories Singapore

Course Content:

Module 1: Introduction to Python programming 21st June - 26th June 2021

Module 2: IoT applications with devices and sensors

Week-2: 28th June - 3rd July 2021

Module 3: Machine learning and IoT

Week-3: 5th July - 10th July 2021

Module 4: Open source cloud and IoT interfacing

Week-4: 12th July - 17th July 2021

Module 5: Open source tools & techniques for real time systems & applications

19th July - 24th July 2021 Week-5:

Module 6: Applications of IoT with hands on

26th July - 31st July 2021 Week-6:

- Each module has labs with hands on illustrations.
- Participants will require hardware kit which they can purchase online

Programme Advisor Prof. A. K. Vyas, IIIT Kota

Programme Coordinators:

Dr. Ankush Vashistha	vash0001@ntu.edu.sg	9549650364 (M)
Dr. Ashish Sharma	ashish@iiitkota.ac.in	9549650767 (M)

degree of obsolescence of existing technologies and faster emergence of newertechnologies (B) Approach-

/ Computer Science is very low In E & ICT domain-there is a very high

A focused faculty training/updation

Diu, Dadra Nagar Haveli.

manpower

- programme for IT, Electronics and related sectors
- Spreading up and continuous updation regarding Emerging Technology
- Training and consultancy services for
- Design, Develop and Deliver specialized modules for specific research areas and Industry
- Providing advice and support for technical incubation and

Registration:

Registration is open to graduate, postgraduate and doctoral students, faculty and industry persons. Participants will be admitted on first-come first-served basis.

Details of the programme available at - http://www.mnit.ac.in/eict/acad_training prg.php Register online at- http://online.mnit.ac.in/eict

Registration Fee:

at the registration portal.

Rs. 8,000/- consolidated For the whole 6 week-long programme: For the one or multiple module: Rs. 1,500/- per module

- (A) Fee once paid will not be refunded back; it may only be adjusted in future courses upon prior request.
- (B) The fee covers online participation in the programme, comprehensive tutorials, practice notes & certification charges. It does not include price of hardware kit. (C) The organizers should receive the fee through online payment gateway provided
- → For any other query, email us at academy [AT]mnit.ac.in