

As a part of Golden Jubilee Celebrations of ECE

A National Level FDP on

“Applied Python & IoT with Raspberry Pi”

16th & 17th December, 2022

Organized by Department of
ECE, JNTUHUCEH



IN COLLABORATION WITH



PHYSITECH ELECTRONICS
Secunderabad.

HEAD OF THE DEPARTMENT

Dr.A.RAJANI

Professor, Dept.of ECE,JNTUHUCEH

COORDINATORS

Dr.T.SATYA SAVITHRI

Professor, Dept.of ECE, JNTUHUCEH

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Programme Coordinator, Physitech Electronics

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REGISTRATION FORM

Name:.....

Designation:.....

Qualification:.....

Name of the college:.....

Mobile:.....Mail Id.....

Signature of Participant Signature of Principal

Registration Fee– NIL

Registration Link & QR Code:

<http://bit.do/FDP-Rasp-Pi>

Last date for Registration:12thDec,2022.



Interested persons may send their registration forms to following mail IDs.

tirumalasya@jntuh.ac.in
karunakar777@gmail.com
physitech@yahoo.com

Course Outline:

- * Python utilization in advanced System Design
- * IoT Communication Protocols
- * Secure IoT Architecture
- * APIs for M2M Communication using python and Raspberry pi
- * Business Intelligence Dashboards
- * Smart City Applications

About the workshop:

The main objective of this FDP is to provide the faculty members an opportunity to develop their skills in python programming with Raspberry Pi which has a remarkable importance in the field of IoT technology today. It also helps the participants to learn about interfacing devices and understand the different kinds of input devices that can be used to sense the real world. The workshop aims to enlighten the participants who wish to enhance their programming skills in the area of Python and gain experience in realization of designs on hardware.

Contact Details:

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Jawaharlal Nehru Technological University, the **First Technological University of India,** was established on 2nd October 1972 in Andhra Pradesh with headquarters located in the historical city, Hyderabad. The University is one of the premier Universities in India accredited by **NAAC** with **A** Grade. After successful and proven levels of appreciated existence and stature spanning over many years, JNTU has been divided into four different universities by Govt. of Andhra Pradesh, through Act No.30, Dt.24th September, 2008.

One of the constituent colleges of the University "**JNTUH University College of Engineering, Hyderabad**" is regarded as a pioneer in shaping the excellence of some of the leading organizations of the industry, by churning out the finest professionals with dedication to scale greater heights in the technological scenario. The Department of **Electronics & Communication Engineering** established in 1973, is instrumental in moulding the careers of students and helping them to become world-class professionals. The department is offering UG, PG, Research and Collaborative Programmes with well experienced faculty and as well as established laboratories. Vision of the department is to become pioneer of the present and future trends in Electronics and Communication technology with

comprehensive outlook through the continuous process of integrating Academia, Industry and synergizing global collaborations.

ECE Department Vision:

To become a pioneer of present and future trends in Electronics and Communication technology with comprehensive outlook through the Continuous process of integrating academia, industry and Synergizing Global Collaborations.

ECE Department Mission:

- * Promoting technical symbiosis between the Department and Industry through UG/PG programs and Research.
- * Supporting start-ups and incubators for socially responsible endeavors.
- * Playing a vital role in the industry, government and civil societies where technology is a key strategic component.
- * Establishing Academic Collaborations with International Institutions and Organization

About the Company:

Physitech Electronics is the manufacturer of :

- * Precision testing and measuring equipment
- * Customised electronic products & Educational Training Equipment.
- * Applied Physics Lab Equipment
- * Embedded, DSP and CPLD/FPGA Trainer Kits
- * Microwave Test Benches
- * Smart IoT Applications
- * IoT- enabled automation solutions
- * Smart data acquisition and analytical solutions
- * Drone and UAV solutions
- * Advanced prototyping
- * Rapid manufacturing services
- * Electric mobility solutions.

Physitech Electronics is well recognized by the Technical Institutions and the industry for the design & development of state-of-the-art products and reliable after sale service since 30 years.