

FDP on

“Python Programming & IOT Applications using Raspberry Pi”

10th -14th October 2023

REGISTRATION FORM

Name :

Designation:

Department:

Institution :

Mobile:

IEEE membership ID no :

e-mail:

Signature of the
Applicant

Signature of HOD
with seal

Participants are informed to scan the duly filled form and mail it to sirmvitfdpece@gmail.com

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Sri Venkataramana Raju	Treasurer, Sri KET
Sri G. Prabhakar Raju	Academic Committee Chairman

ORGANISING CHAIR

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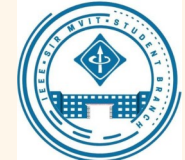
Dr. Supriya V.G.	Professor & Head, ECE
Dr. S.K. Uma	Professor & Head , Mathematics

CHIEF COORDINATORS

Dr. Poongothai C.	Associate Professor
Ms. Swetha L.	Assistant Professor
Dr. Chaya T.Y.	Assistant Professor

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Faculty Development Programme

on

“ Python Programming & IOT Applications using Raspberry Pi ”

10th - 14th October 2023

Jointly organized by

Dept. of ECE , Dept. of Mathematics

Sir MVIT IEEE Student Branch &

Sir MVIT ISTE Student Chapter



SPONSORED BY

Sri Krishnadevaraya Educational Trust

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

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Website: www.sirmvit.edu

ABOUT THE INSTITUTE

Sir M. Visvesvaraya Institute of Technology (Sir MVIT) is an institute of repute in the state of Karnataka founded by Sri Krishnadevaraya Educational Trust (Sri KET) in 1986. The institute offers ten B.E. degree programmes in Biotechnology, Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Computer Science & Engg., Electronics & Telecommunication, Information Science, Artificial Intelligence & Machine Learning and IOT & Cyber Security and five Masters degree Programmes in Biotechnology & Biochemical Engg., Computer Applications, Business Administration, Computer Integrated Manufacturing and Electronics. The Institute is affiliated to Visvesvaraya Technological University and approved by All India Council for Technical Education, New Delhi. Sir MVIT is an ISO 9001:2008 Certified Institution. Sir MVIT is NAAC accredited with B++ Grade. All the departments are approved as recognized R & D centres by Visvesvaraya Technological University (VTU) and offer Ph.D and M.Sc(Engg.) by Research .

ABOUT THE DEPARTMENT

The Department of ECE offers one UG Programme and one PG programme. The Department aims at transforming the students into young engineers with sound technical leadership skills, knowledge and decision making ability. Department encourages students to actively participate in co-curricular and extra-curricular activities for their overall development. The Department has well qualified, experienced and dedicated faculty members who are providing excellent teaching & learning environment. The department has well equipped laboratory facilities and is recognized as R&D centre by VTU. Furthermore, Texas Instruments sponsored innovative lab is also established. Department excels in academics by securing university ranks in UG and PG successively.

ABOUT THE PROGRAMME

Internet of Things (IoT) is a new revolution of the Internet. It is a network of physical devices, vehicles, home appliances, and other items embedded with electronics, software, sensors, actuators and network connectivity which are linked to create smart environments. Also, it is creating opportunities for more direct integration of the physical world into computer-based systems, which results in improved efficiency and accuracy. One of the key learning platforms for IoT is the Raspberry Pi. This FDP can provide participants with valuable insights and resources for teaching IoT concepts and practical applications using Raspberry Pi as a versatile platform.

This FDP covers VTU prescribed Ability Enhancement Course "IoT (Internet of Things) Lab" (21EC581) for 5th semester ECE and also provides insight to the Mathematical concepts using Python Programming for 1st year B.E. students.

By the end of this programme, participants will have a comprehensive understanding of Python Programming, IoT concepts & practical skills needed to teach and mentor students in developing IoT applications .

PROGRAMME OBJECTIVES

- ◆ Understand the basic concepts of Python Programming .
- ◆ Understand the rudiments of IOT, Raspberry Pi
- ◆ Configuring Bluetooth End devices for IoT communication.
- ◆ Interface different sensors with Raspberry Pi, IoT Gateway with Think Speak IoT cloud platform.
- ◆ Connect Raspberry Pi to a remote access client
- ◆ Explore Application layer software like MySQL, HTML, JSON, XML .

REGISTRATION DETAILS

REGISTRATION FEE:

Rs : 600/-

MODE OF PAYMENT:

GOOGLE PAY to

Dr. Poongothai C.

9731524799

FOR REGISTRATION CONTACT:

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