

Resource Person:

Distinguished faculty members from renowned institutes like IIT, NIT, R&D Organization experts from industries were also be the resource person for FDP.

Transport, Boarding and Lodging:

Participants are entitled for second class railway/ bus fare to and fro as per norms for shortest route. Boarding and Lodging will also be provided free of cost to outstation candidates. Candidates desiring boarding and lodging should contact to Mr..R.H.Bhole (7219774770) on or before 30/11/19

Important Dates :

Last date for receipt of application: **15- Nov-2019**

Confirmation of registration : **20-Nov-2019**

Please visit following link for registration:

<https://forms.gle/SmxUybYA1MBHgy1J6>

Registration Fees:

- The Structure of the registration fees for all the selected participant is given below

Faculty from AICTE approved Institution: 1000*
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Participant from Industry or R&D Organization : 1000*

- * The Fee will be refunded after successful completion of FDP
- Accommodation will be provided free of cost & TA will be provided to outstation participant as per AICTE norms
- The Registration Fee should be paid in the form of DD in favor of "The Principal Zeal College of Engineering & Research Pune"

Note : A test shall be conducted by program evaluation committee (PEC) at the end of the program & certificates shall be issued to those participants who have attended the program and have qualified the test.

Contact Information :

Dr. Suresh Shirbahadurkar
(Course Co-Ordinator)
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Registration Form

AICTE Sponsored Faculty Development Program

on

"Internet of Things, Application Development using Raspberry Pi and Python Programming" (2nd Dec -13th Dec 2019)

Name :

Designation (Teaching/ Industry)

Name of institute :

Is Institute approved by AICTE ? YES/NO

Department :

Educational Qualification :

Specialization :

Communication address with Pin Code :

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Mobile No. :

E-mail.....

Payment Details :

DD No. :

Date :

Bank :

Amount :

Date :

Signature of Applicant

Place :

Signature

H.O.D. / Principal of Institution



Zeal College of Engineering and Research
Narhe,Pune - 41



Accredited with "A" Grade by NAAC
(Affiliated to Savitribai Phule Pune University, Maharashtra)

All India Council for Technical Education
Sponsored

FACULTY DEVELOPMENT PROGRAM ON

"Internet of Things, Application Development using Raspberry Pi and Python Programming"

(2nd Dec -13th Dec 2019)

Organized by

Department of Information Technology

Computer Engineering

Electronics & Telecommunication Engineering



ZES's Zeal College of Engineering & Research

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About FDP :

This FDP enables the participants to get acquainted with the Internet of things concepts, research directions and hands-on exposure to IoT platforms. The attendees will greatly benefit from this FDP, as it covers the cutting edge technologies and research challenges in the field of Internet of Things, Application Development using Raspberry Pi and Python Programming. The FDP features several invited talks from experts in academia and industry.

Objectives:

- To explore various research opportunities and challenges in the areas of IoT and Python Programming.
- To understand basics of IoT platform for sensing real and physical data.
- To give practical hands-on exposure in the domain of IoT application development.
- To learn and understand recent tools used for application development in IoT using Python Programming.

Outcome : Participants will be able to

- Interact with the world and rapidly developing IoT applications using Python
- Perform sensor interface with IoT kits such as RaspberryPi and Arduino.
- Explore various research opportunities & challenges in the areas of IoT application development and Python Programming
- Know recent work/development on key issues in the area of IoT.
- Meet the experts in the field and exchange thoughts and practices.
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Contents:

- Basics of Python programming
- Advance Concepts of Python Programming
- Web Application Development
- Introduction to IoT
- IoT Concepts
- IoT Basics
- IoT Application Development
- Cloud Computing
- Exploratory Analysis in python using numpy, pandas & matplotlib
- Building predictive models in Python (Machine learning)

Chief Patrons

Shri. S.M. Katkar
Founder Director, ZES, Pune

Shri. J.S. Katkar
Secretary ZES, Pune

Patrons

Dr. A.M.Kate
Principal, ZCOER

Prof. Pradip Khandave
Executive Director ZES,

Course Co-ordinator

Dr. S. D. Shirbahadurkar
Dean (Academics and administration), ZCOER, Pune

Co-ordinator

Dr. S.M Sangve
HOD (Computer Engineering)

Dr. Y.B.Gurav
HOD (Information Technology)

Prof.S.A.Bhosale
HOD (E&TC)

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Mr.Sandip Bhale
Senior Director- Cognizant Pune

Mr. Amol Nitave

ESD Program Lead RPG Foundation Pune

About Institute:

Zeal Education Society is established in year 1996 by Hon. Shri S. M. Katkar, an eminent industrialist committed to noble cause of education. Zeal Education Society's Zeal College of Engineering and Research (Formally Known as Dnyanganga College of Engineering and Research) is established in June 2007 which symbolized the beginning of new era in technical education. The Institute has been approved by AICTE, DTE, and affiliated to Savitribai Phule Pune University, Pune.

The Institute offers undergraduate and postgraduate

Engineering degree programmes in Information Technology, Computer, Electrical, Mechanical, Civil and Electronics & Telecommunication. The institute is also granted as PhD research center in Electronics & Telecommunication and Mechanical Engineering under Savitribai Phule Pune University, since 2013. Well qualified and experienced faculty members with good research background are one of the key features of the institute. With state of art research, infrastructural, sports, cultural facilities the campus provides excellent academic ambience for the students. Dedicated Training and Placement Cell of the institute ensures a bright future of the students.

About Departments:

Departments of Information Technology, Computer Engineering and Electronics & Telecommunication are like prism reflecting the manifold shades of learning and co-curricular activities and determined towards the goal of providing innovative and quality education with high standard to achieve academic excellence. Departments of Information Technology and Computer Engineering are facilitated with state of the art infrastructure and well equipped laboratories. The departments provide over and above facilities like departmental library, Wi-Fi facility, NVIDIA GPU education center, Firefox Club, Android Club etc. Departments ensure professional skills development of students through IBM Center of Excellence, Microsoft IT Academy, EMC Academic Alliance, Redhat Center of excellence, Zeal Cyber Cell and IoT laboratory. Thus we are confident that our students will emerge as assets not only to this institution and to the organization they belong, but also to the country at a large.

About Pune :

Pune(Formally Known **Poonawadi**), is situated at the junction of the Mula and Mutha rivers .It is also Called "Queen of the Deccan". Pune is the cultural capital of the Maharashtra. Pune is major educational and cultural center; former Prime Minister Jawaharlal Nehru referred to it as the "Oxford and Cambridge of India." It is now a popular tourist resort, offering cool weather, historic and religious monuments, museums, parks, hotels, and cultural attractions.

Eligibility:

Faculty members from AICTE approved Engineering / Polytechnic colleges/ PG Students/ Research Scholars/Industry persons are eligible to attend this program. (CSE/IT/E&TC background)