Panel 1 — Registration Form

TEQIP - 3
Sponsored
One Week Faculty Development Programme
on
Applications of Data Science &
Internet of Things (IoT)
(With hands-on)
Registration Form

Name :

Qualification :

Designation :

Department :

Address :

Phone :

Mobile :

E-mail :

Signature of Applicant

Signature & Seal of HOD / Principal

Panel 2 — Contacts

Program Chair:
Dr. H. V. Ravindra
Principal,
PESCE, Mandya

Advisory Chair:
Prof. B. Dinesh Prabhu
TEQIP Coordinator,
PESCE, Mandya

Organizing Chair:
Dr. Minavathi
Professor and Head,
Dept. of Information Science and Engineering
PESCE, Mandya

Address for Communication:
S. M. Bramesh
Assistant Professor,
Dept. of IS&E,
PESCE, Mandya
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Important Date:
Last date for sending completed registration form is
3rd Jan 2019

Panel 3 — Cover

P. E. S. COLLEGE OF ENGINEERING
MANDYA - 571 401
(An Autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi)

TEQIP - 3
Sponsored
One Week Faculty Development Programme
on
Applications of Data Science
& Internet of Things (IoT)
(With hands-on)
Date: 7th to 12th January, 2019

Organized by
Department of Information Science
& Engineering
(Accredited by NBA, New Delhi and NACC)

IBM. Silver Business Partner

NCS Nihon Communication Solutions

Panel 4 — About the Institution

About the Institution

P.E.S. College of Engineering (PESCE), Mandya was established in 1962, with the initiation of Late Sri. K. V. Shankara Gowda, the founder President and Ex-Education Minister of Government of Karnataka. The Institution is managed by Peoples Education Trust®, under the leadership of Dr. H.D. Chowdaiah, Ex. MLA. It is one of the Pioneer Technical Institutes in the country and has gained a very good reputation by some outstanding achievements of the faculty and students. The institution is functioning under the Grant-in-Aid scheme of Government of Karnataka, permanently affiliated to Visvesvaraya Technological University (VTU), Belagavi, and became autonomous in the year 2008. It is recognized by All India Council for Technical Education (AICTE), New Delhi and is accredited by National Board of Accreditation (NBA) and NACC. The institute has eco friendly area of about 62 acres of land with multicolored and spacious buildings for each department. The institute has eight Under Graduate programs and eight Post Graduate programs. The institution has the best campus with state-of-the-art and National standard sports facilities. The vision of the institution is to become a leading institution, imparting quality engineering and management education developing creative and socially responsible professionals. A full pledged placement cell is involved with training and placement activities.

About the Department

Information Science and Engineering is an interdisciplinary field primarily concerned with the analysis, collection, classification, manipulation, storage, retrieval, movement, dissemination, and protection of information. Information science is one of the important branches of PESCE, Mandya. The Department of Information Science and

Panel 5

Engineering takes pride in producing quality engineers over the past 19 years. The credit for all the flowery results goes to the highly motivating staff, from whom all students draw inspiration. The department was started in the year 2000. IS & E department is accredited by National Board of Accreditation (NBA) and NACC. The strength of an IS & E lies in applying the knowledge of information systems and technology to help organizations compete more successfully in the marketplace or to streamline current operations. The Vision of the department is to equip the graduates with Knowledge and Skills to contribute significantly to Information Science & Engineering and enhance quality research for the benefit of society. This undergraduate curriculum emphasizes on theoretical and practical aspects of information science. The curriculum is designed to meet industry standard and cope with the fast changing technology. Extension lectures and industrial visits are organized frequently to provide an overview on recent and current trends of information technology. Apart from curriculum, the students are encouraged to participate in research work, technical events, cultural activities and sports. The department has well equipped classrooms and computer laboratories with high-end systems. Also a research centre is a major credential to our department. We are proud to produce the first Ph.D. student in our college. Department has received 20 lakhs project sponsored by Vision Group on Science and Technology(VGST), Govt. of Karnataka, in the year 2017 for setting up Network Forensics Laboratory. The department is using Outcome Based Education (OBE), which is a recurring education reform model, to produce quality engineers. The department is affiliated to Visvesvaraya Technological University (VTU), Belagavi.

Panel 6 — Objectives

Objectives of the FDP:
- Introduction to **Wireless Sensor Network**
- Getting to know about NCS IoT Kit
- Interfacing sensor with N-Mote and reading the data on the serial monitor
- Applications with sensor and LED
- Getting know about Zigbee communication
- Broadcasting and Unicasting sensor data
- Getting to know about N-Mote Gateway, Configuring Gateway to receive sensor data and Different Modes Accessing Gateway
- Introduction to MQTT Protocol
- Sending sensor data to cloud service using MQTT
- Inserting sensor data to local database system
- Getting to know about Zolertia WSN device
- Brief introduction on Contiki OS
- Demo on Zolertia and interfacing sensor data and sending the data to cloud via gateway
- Training on Data Science

Who can attend this FDP?
The FDP is open to all faculty members of IS & E/CS & E/E & CE/E & EE departments of engineering colleges. Maximum of 30 participants will be accommodated. Registration is based on first come first serve.

Resource Persons:
Are from industries like IBM & NCS.

Registration Fee:
Registration fee is Rs. 1000/- per participant.
Mode of payment: DD/Net Banking
Participants are requested to pay Registration Fee by DD drawn in favor of "The principal, PESCE, Mandya", Payable at Mandya, before 3rd Jan 2019.
Confirm your participation through the email: hodis@pesce.ac.in

Venue:
Department of Information Science & Engineering
PESCE, MANDYA.