

Endorsement from the Head of the Institution/Dept.

Prof./Dr./ Mr./Ms.....

Department.....

Institute:..... is allowed to attend the FDP on “**Internet of Things: Education Canvas**” during **09th November to 20th November, 2019 at SKIT, Jaipur.**

Signature Head of the Institution/Dept.

Date: (Seal)

Contact Details:

Course Coordinator

Prof. (Dr.) Anil Chaudhary (HOD-IT)

Ph. No. 0141-5160400 (Ext: 286)

Course Secretary

Dr. Mukesh Kumar Gupta

Professor, Mob: 9772545766

Dr. Pankaj Dadheech

Associate Professor

Mob: 9887708973

Mr. Ankit Kumar

Assistant Professor

Mob: 9057836398

E-Mail your Registration Form to:

FDP-2019

Department of Information Technology,
Swami Keshvanand Institute of Technology,
Management & Gramothan (SKIT),
Ramnagar, Jagatpura, Jaipur-302017

Email : fdpit@skit.ac.in

Phone: +91-141-2752165, 5160400 Ext: 284

Website: www.skit.ac.in/fdpit2019



Department of Information Technology

The Department of Information Technology was established in 2000. The Department offers Undergraduate Programme in Information Technology. The Major Areas of Research in the Department are Data Analytics, Big Data Analytics, Cloud Computing and Virtualization, Security, Compilers and Programming languages, Computer Architecture, Bioinformatics and Theoretical Computer Science. The Department has Several Research Labs and Laboratories with state of the art Computing facilities. Constantly Modernization of facilities helps the Department to adapt itself to the rapidly changing Technological Scenario.

About SKIT

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT) is a selective comprehensive institution offering undergraduate and postgraduate programmes in Engineering and Management. The institute was established in the year 2000 by a team of committed professionals and academicians. During all the past years SKIT has emerged as a Premier Centre of Technical Education not only in Rajasthan but also in northern India which has been realized through efficient and dedicated faculty members, innovative teaching-learning methods, state of art infrastructure and core value of discipline. The various undergraduate programmes of the institute are accredited by the National Board of Accreditation (NBA).

About Jaipur

The world famous ‘PINK CITY’, the capital of the Rajasthan state founded in 1727 AD by Sawai Jai Singh II is one of the most popular tourist destinations. It has a rich culture heritage and many important historical places viz. Amber Fort, Jaigarh Fort, Nahargarh Fort, City Palace, Albert Hall Museum, Jantar-Mantar, Govind-Dev Ji Temple, and Birla Mandir. Jaipur is also famous for its handloom & handicraft, and proves a heaven for shopping and enjoyment, This fascinating city with its romantic charm takes you to an epoch of royalty and tradition.

Faculty Development Programme

on

**Internet of Things:
Education Canvas**

(09th November to 20th November, 2019)

Organized by



Department of Information Technology

(NBA Accredited)

**Swami Keshvanand Institute of Technology,
Management & Gramothan , Jaipur – 302017**

Course Coordinator

Prof. (Dr.) Anil Chaudhary

Professor & Head,

Department of Information Technology

Sponsored by



All India Council for Technical Education, New Delhi

About the Programme

This Programme is designed to provide the state of the art trends and advancements in Internet of Things in Educational Canvas. The Programme will focus on theoretical aspects as well as on providing hands on experience to the participants, who enable themselves to promote industry and institute collaborations by working on the industrial projects and able to solve the current research problems. The participants will be introduced to fundamentals of Internet of Things and develop the understanding of how to use embedded & wireless hardware and programming skills to realize an IoT application. The participant will be trained with hands-on approach in order to have an in-depth insight into the domain of IoT and expose them to future of Internet of Things in Educational Canvas.

Programme Objectives

To provide exposure to IoT Tools and Techniques to enhance the teaching and research skills:

1. To form a bridge between the industry and academic institutions to update their knowledge.
2. To understand the need of IoT in the research community and the software industry in India.
3. To appreciate the differences among Big Data, Cloud Computing and IoT.
4. To understand the need of innovative applications, such as Smart City, Smart Health, Smart Manufacturing, Smart Agriculture, etc.
5. To train the participants on how to design and program the IoT based system.

The Topics to be Covered Include

1. Introduction to IoT, Current products, IoT for Open source electronics, IoT Languages and its Tools.
2. Communication Protocols, Interconnections, System. Design and Development, Latest Sensors and Actuators.
3. Introduction to Embedded Systems.
4. Real Time Operating Systems.
5. Raspberry Pi Architecture.
6. FPGA & SoC Based Embedded Systems Designs
7. IoT Cloud, Image Processing Applications in IoT.
8. Data Management and Big Data Analytics in IoT.
9. Research Issues and Case Studies in IoT. Hands-on training sessions will be provided with demos on real-time applications.
10. Socket Programming, MQTT Protocol.
11. E-mail Controlled Home Automation.
12. Node Red over IBM Bluemix.
13. Hardware and Software Co-Design.

Resource Persons

Resource Person (s) are experienced faculty Members from IIT Bombay, JNU Delhi, IIT Delhi, MNIT Jaipur, SKIT Jaipur, RTU Kota, and experts from IBM India, Infosys Ltd. and other R & D laboratories.

Eligibility

Faculty members working in AICTE approved Institutions / Colleges are eligible for the programme.

Transport, Boarding & Lodging

TA to out-station participants (Max. by AC 3-tier by shortest train route) on the production of a copy ticket(s) will be provided. The boarding and lodging facility will be provided to the participants who are from outside Jaipur.

Registration Fee

Registration fee will be Rs. 3000/- (**Refundable, after Successful completion of FDP**). The Registration fee can be paid through online transfer or DD in favor of (“**SKIT, Jaipur**”) payable at Jaipur .

Electronic (Online) Fund Transfer Details

Bank Name	Kotak Mahindra Bank
Account Name	SKIT EMPLOYEES WELFARE SOCIETY
Account Number	4711940396
Account Type	SAVING ACCOUNT
IFSC Code	KKBK0003538

Selection

The number of Participants is limited to 50 and participants will be selected on the first-come, first-served basis. The selected candidates will be intimated through e-mail only.

How to Apply

Application in the attached format should reach to the Programme Coordinator on or before 03rd November, 2019. For early confirmation, please mail the scanned copy of filled registration form to fdpit@skit.ac.in.

Certificate

A certificate to the participants will be issued on successful completion of the Faculty Development Programme.

Key dates

Last Date for Receipt of Application: 03th November, 2019.
Intimation of Selection: Within seven days of Application.
Commencement of the Programme: 09th November, 2019.

FDP REGISTRATION FORM

Internet of Things: Education Canvas

(09th November to 20th November, 2019)

1. Name.....

2. Designation.....

3. Qualifications.....

3. Department.....

4. Organization

5. Mobile.....

6. E-mail.....

8 Payment Details:-

Amount:.....(Online/DD) Date:.....

DD/Transaction No:

Sender's Account Number.....

(For Online Transaction)

IFSC code

Signature of Applicant