

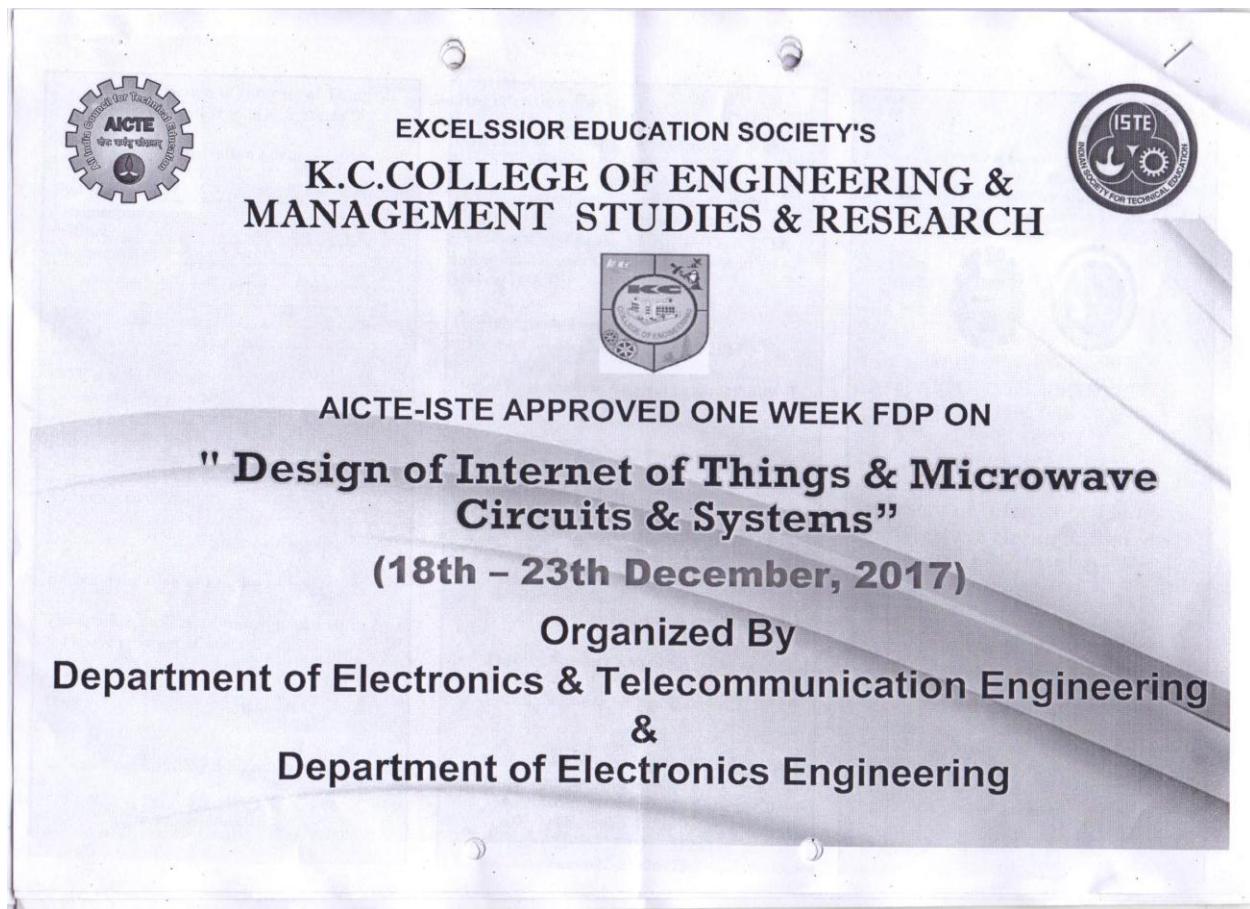


Excelssior Education Society's
K.C. College of Engineering and Management Studies and Research
Mith Bunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

Name of the event: FDP on Design of Internet of Things & Microwave Circuits & Systems

Name of speaker: Mr. Pratik Jani & Dr. Pramod K.B.

Date: 18/12/2017-23/12/2017



FDP on "Design of Internet of Things & Microwave Circuits & Systems"

Registration Form

Full Name: _____
Designation: _____
Institute: _____
Mailing Address: _____

Mobile: _____
E-Mail: _____

ISTE member : Yes/No
(If yes, Membership No: _____)

Registration fee (Rs.): _____

I agree to abide by rules and regulations governing the above FDP

Date: _____ Signature of applicant

Recommendation of Employer

The applicant will be permitted to participate in the above program, if selected

Date: _____ Signature

College Seal & Principal Signature

Registration Fees:

ISTE Member : Rs. 2300/- (excluding lunch)
Non-ISTE Member: Rs.3000(ISTE)+2300=Rs. 5300/-
(excluding lunch)

(course materials & refreshments only)

* Canteen facility is available

(Certificate will be issued by AICTE & ISTE and is valid under Career Advancement Scheme- CAS)

Registration Dates:

Last date for Registration: 15/12/2017

(Spot Registration: Subject to availability of seats)

Participants can carry their own Laptops.

Event Coordinators:

- **Prof. Sushma Kore**
Mobile: 9867466171
E-mail: sushma.extc@gmail.com
- **Prof. Shubhangi Verulkar**
Mobile: 9820942080
E-mail: shubhangi.wakale@gmail.com
- **Prof. Dhanashri Kanade**
Mobile: 9890363658
E-mail: dhanashri98@gmail.com

Contact:

K.C. College of Engineering And Management Studies And Research,
Mith Bunder Road, Near Sadguru Garden, Kopri,
Thane (E) 400603
Tel.: 022-25327100 / 25326775
Fax: 022-25326775



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Mith Bunder Road, Near Sadguru Garden, Kopri,
Thane (E) 400603



AICTE-ISTE APPROVED
ONE WEEK FACULTY
DEVELOPMENT
PROGRAMME

On

"Design of Internet of Things & Microwave circuit & Systems"
(18th – 23rd December, 2017)

Organized By

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
&
DEPARTMENT OF ELECTRONICS

Visit: www.kccoe.org

Vision of Department of Electronics & Telecommunication

To create platform for Electronics & Telecommunication engineers who are professionally competent

Vision of Department of Electronics

To promote quality education and to make students industry acceptable.

About Departments:

Department of Electronics & Telecommunication was started in the year 2001 and Department of Electronics Engineering was started in the year 2008. The Departments have been one of the greatest pillars of the institute. The department has trained experienced faculty focused towards nurturing young minds in practical aspects besides theoretical background.

Resource Persons:

Pratik Jani is the founder director of YUPS and is an Innovation and Technology consultant. He has an experience of managing 10+ enterprise IoT projects for clients like Tata Communications, L&T Electrical & Automation, Kone Cranes to name a few.

Dr Pramod K B Rangaiah is an academician in Padmabhushan Vasantdada Patil Pratishthan's college of Engg. His research includes Design ,characterization & optimization of RF Passive devices ,Broad level Tuning and optimization of Matching networks, LNA etc

Topics to be covered:

- Introduction to Arduino and Raspberry pi
- ARM cortex
- Sensors and interfacing e.g. temperature, humidity, pressure.
- Basic design of RF circuit/System
- Simulation & analysis of RF, Microwave & Millimeter wave circuit/System Design.

Course Objective:

In the era of fast growing technology, FDP plays a significant role in synchronizing and keeping up with current global trends.

This FDP has the broader objective of updating the faculty of engineering colleges, research scholars and R&D personnel.

- This program focuses the training on IoT using arduino and raspberry pi as open source hardware which includes basics of IoT, applications, advantages, python programming, using setting up the raspberry pi, taking inputs from various types of sensors and actuators storing it in local and cloud database.
- Technical insight towards achieving closure of simulation & analysis of RF, Microwave & Millimeter wave circuit/System Design.
- Experience with design, characterization & optimization of RF passive device, filters, couplers & RF Active such as LNA, power amplifiers.

Profile of the Institute:

Excelssior Education Society is an educational and charitable trust founded in 1978. K.C. College of Engineering & Management Studies & Research (KCEMSR) is the product of realization of vision and dream of Late Shri. K. C. Khanna and Dr. Harssh Khanna in year 2001. The institute is considered to be distinctive in education as it is firmly rooted in the local soil.

Patrons

Dr. Harssh Khanna (Chairperson)

Dr. Saikiran Khanna (Managing Director)

Mrs. Pushpa Narang (Director)

Dr. H.S. Cheema (C.E.O)

Dr. N.S. Poonawala (Director R & D)

Dr. Puja Rai Pradhan (Director of Institutional Development)

Dr. Hansraj Guhilot (Principal)

Prof. Reeta Shaktivel (Vice Principal)

Convener

Prof. Rajiv Iyer

H.O.D.(Department of Electronics & Telecommunication)

Prof. Poornima Mahesh

H.O.D.(Department of Electronics)



Excelsior Education Society's
K. C. College of Engineering and Management Studies and Research

(Affiliated to the University of Mumbai)
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SCHEDULE

Sr. No	Date & Day	Session	Venue
1.	18/12/2017 Monday (RF & Microwave)	Introduction ,Basic Design Flow (Simulation world, Linear & non linear simulator, Layout)	Simulation Lab 4th Floor
2.	19/12/2017 Tuesday (RF & Microwave)	Design of advance examples, Paper articles requirements. Crystal oscillator, RF filter, SAW filters, Ceramic filters , Bandpass filter design	Simulation Lab 4th Floor
3.	20/12/2017 Wednesday (RF & Microwave)	PHD level examples Patents and IVR talks , Low power amplifiers, MMIC, LC Matching , Transmission line matching	Simulation Lab 4th Floor
4.	21/12/2017 Thursday (IoT)	Introduction to current IoT Ecosystem •IoT Protocol Landscape •IoT Case studies •Getting started with Raspberry Pi •Raspberry Pi - Hardware and Software	Simulation Lab 4th Floor
5.	22/12/2017 Friday (IoT)	Designing an IoT application •Architecting the solution •Key components involved •Hardware interfacing •Programming Raspberry Pi •Reading sensor values locally	Simulation Lab 4th Floor
6.	23/12/2017 Saturday (IoT)	•Configuring the cloud •Updating Raspberry Pi to send data on cloud •Creating Visual Dashboard for application • Demonstration Valedictory Function	Simulation Lab 4th Floor

