

## REGISTRATION FORM :

Name of Participant:

Name of College/Industry:

Department:

Email ID:

Mobile Number:

Amount Paid:

Date: Signature of Applicant

Signature of HOD/Principal

### Note:

- Please send scanned copy of fully filled registration form for confirmation.
- Confirmation will be given to candidates on first come first serve basis.
- Intimation to selected participants will be given by email.
- DD should be drawn in favor of "MIT College of Engineering" payable at Pune.

Important Date:

Last date of Registration : 5<sup>th</sup> December, 2017

MAEER's

MIT COLLEGE OF ENGINEERING,

KOTHRUD, PUNE-411038

WORKSHOP

On

**"PROJECT BASED LEARNING: INNOVATION CHALLENGES FOR SMART CITY "**

(12<sup>th</sup> -14<sup>th</sup> December, 2017)



### Registration Charges

- No registration fees for teachers from AICTE approved Institutes/ Colleges
- Participants from Industries, R& D Organization, & Students: Rs. 500/- (includes registration & working lunch )

### Registration Link:

<https://goo.gl/forms/L7h8zehm9UumQs5i1>

### ADDRESS

MIT College of Engineering ,Pune

Survey No. 124, MIT College Campus,  
Ex-Serviceman Colony, Paud Road,  
Kothrud, Pune 411038.  
Tel: + 91 020 3027 3684

### Registration and Payment Contact:

1. Prof. A. Y. Deshpande: 9921681294  
Email ID: anagha.deshpande@mitcoe.edu.in
2. Prof. S. N. Motade: 9422025934  
Email ID: sumitra.motade@mitcoe.edu.in

MAEER's

MIT COLLEGE OF ENGINEERING, Pune



AICTE SPONSORED

WORKSHOP

On

**"PROJECT BASED LEARNING:  
INNOVATION CHALLENGES  
FOR SMART CITY "**

(12<sup>th</sup> -14<sup>th</sup> December, 2017)

Organized by

**Department of Electronics &  
Telecommunication  
Engineering**



Web: [www.mitcoe.ac.in](http://www.mitcoe.ac.in)

## ABOUT MIT-WPU

**MIT Pune is now MIT World Peace University.** MIT-WPU university is focused on being the change that is needed in the world today by sensitizing and understanding the human dimensions of conflict, and developing a toolbox of transferable skills such as negotiation, peace building, technology and management. These skills will enable graduates from various diverse programmes to succeed in peace building. Our students will be in the best position to bring about consolidated change for positive growth, development and social inclusion. This university is an aspirational university for students searching for a world class education. World's known Scientists, Nobel Laureates, Researchers, Scholars, Academicians, Philosophers, Technocrats and Successful Entrepreneurs are associated with MIT since inception.

## ABOUT MAEER's & MIT COE

**Maharashtra Academy of Engineering & Education Research (MAEER),** Pune was established in 1983 and is known for educational excellence. **MAEER** is multi-disciplinary organization conducting university approved academic programs in Engineering, Management, Pharmacy, Medicine and Polytechnic. The student community represents entire cross section of the country. The culture of value based education system is strictly followed to encourage good character building among the young generation. In recognition of the services rendered so far a UNESCO chair in human rights, democracy and peace is constituted at MAEER's MIT. MITCOE affiliated to SPPU is NBA accredited, ISO-9001:2000 Certified Institution located at the MIT Campus, Kothrud, Pune.

## ABOUT DEPARTMENT

The department of E&TC was started in the year 2001. The department offers programs in BE(E&TC), ME (VLSI & Embedded System) and Ph.D Research Center. Electronics and Telecommunication has become the back-bone for human existence. Therefore, to remain in fray for achieving excellence, each and every one has to adopt innovative research in these areas.

## ABOUT WORKSHOP

The concept of smart cities arises from both curiosity and expectations. The process thus requires application of design thinking and a more innovative approach to build smart cities of India. Hence, this workshop will touch upon some of the important challenges Indian smart cities are envisaged to come across and find their model based solutions by design and implementation using Arduino and Raspberry Pi. This workshop aims to provide an in-depth understanding of the fundamental aspects of Embedded Systems and to develop and demonstrate fascinating applications for dream of smart Cities.

## CHIEF PATRONS

**Prof. (Dr.) Vishwanath D. Karad**  
Founder & Executive President, MAEER's MIT, Pune

**Prof. Rahul V. Karad**  
Executive President, MIT WPU, Pune

**Prof. (Dr.) Mangesh T. Karad**  
Secretary & Executive Director, MAEER's MIT Pune

## PATRON

**Prof. (Dr.) Ramachandra V. Pujeri**

Director, MITCOE, Pune

**Prof. (Dr. ) A. S. Hiwale**

Principal, MITCOE, Pune

## HEAD OF DEPARTMENT & CONVENOR

**Prof. (Dr.) V. V. Shete**

## ADVISORY COMMITTEE

**Prof. (Dr.) S. B. Barve**, HOD, Mechanical Engineering

**Prof. (Dr.) Mrs. Shalini Bokil**, HOD, Civil Engineering

**Prof. Mrs. Bharati Dixit**, HOD, Computer Engineering

**Prof. ( Dr. ) K. K. Warhade**, Dean Second Shift

**Prof. S. B. Somani**, Associate Professor, E&TC Department

**Prof. C. V. Kulkarni**, Head CICS department

**Prof. A. M. Purohit**, Associate Professor, E&TC Department

**Prof. K. S. Bapat**, Associate Professor, E&TC Department

**Prof. (Dr.) S. A. Khoje**, Assistant Professor, E&TC Dept.

**Prof. S. M. Kulkarni**, Assistant Professor, E&TC Dept.

**Prof. P. P. Gundewar**, Assistant Professor, E&TC Dept.

**Prof. A. R. Askhedkar**, In-charge, Center of Excellence, E&TC Dept.

**Prof. S. R. Danve**, Assistant Professor, E&TC Department

**Prof. M. N. Annadate**, Assistant Professor, E&TC Department

**Prof. D. S. Nath**, Assistant Professor, E&TC Department

**Prof. N. M. Pradhan**, Assistant Professor, E&TC Department

**Prof. U. S. Rawandale**, Assistant Professor, E&TC Department

**Prof. K. G. Gunale**, Assistant Professor, E&TC Department

**Prof. J. A. Lele**, Assistant Professor, E&TC Department

**Prof. V. U. Patel**, Assistant Professor, E&TC Department

## COORDINATORS

**Prof. A. Y. Deshpande**

Assistant Professor,  
E&TC Department,  
MITCOE, Pune

**Prof. S. N. Motade**

Assistant Professor,  
E&TC Department,  
MITCOE, Pune

## RESOURCE PERSONS

Experts from Industries and Research Organization those who are working in the field of Embedded Systems, Internet of Things and Smart City Projects. Faculty from various AICTE approved Engineering College.

## WHO SHOULD ATTEND

Faculty and students from various AICTE approved Engineering Colleges/ Institutions/ working professionals from Industries/R&D and other organization with basic degree E&Tc /Computer/ IT/ Electrical/ Civil/ Mechanical

*Poster presentation competition*

*14<sup>th</sup> December*

*"Ideas for Smart Cities"*

*Attractive prizes for winners.*

## CONTENTS

- Expert talk on Challenges and Innovative ideas for Smart City.
- Basics of Arduino/Raspberry Pi
- Python Programming
- I-O Interfacing, LED, Buzzer, DC Motor, Switch, IR Sensor, Ultrasonic Sensor, Controlling Robot.
- Introduction to IOT
- Controlling Devices or Appliances using Web page.
- Introduction to API and Web Services.
- Demonstration of Smart City Applications like Smart Lighting, adaptive traffic control systems, smart parking, Vehicle tracking etc.