

### Course Fees

ISTE Member : Rs. 1500/-  
Non-ISTE Member : Rs. 1850/-  
(Inclusive of course materials, refreshments & lunch)

The teachers sponsored by AICTE recognized institutions are required to send the registration form, duly filled, along with a bank demand draft in the favour of "PRINCIPAL Fr. C. R. I. T., Vashi" payable at Navi Mumbai.

### Important Dates:

**Last date for Registration with DD:  
30/04/2018**

### Contacts:

- Prof. Smita Rukhande  
M- 9892558122
- Prof. Suraj Khandare  
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### Information Technology Department:

Phone: 022- 41611000

Fax: 022- 27660619

Visit: [www.fcrit.ac.in](http://www.fcrit.ac.in)

### Patrons

**Rev. Fr. Almeida**, MD, ATEC, Vashi.  
**Rev. Fr. Ivon Almeida**, AMD, ATEC, Vashi.  
**Dr. S.M.Khot**, Principal, Fr. C.R. I. T., Vashi.

### Advisory Committee

**Dr. Milind Shah**, HOD, E&TC Dept  
**Dr. Bindu S**, HOD, Electrical Dept  
**Dr. Lata Ragha**, HOD, Computer Dept  
**Dr. Nilaj Deshmukh**, HOD, Mechanical Dept  
**Dr. Christu N.** HOD, Humanities & Basic Sciences Dept  
**Dr. Sushil Thale**, Dean Research & Development  
**Dr. Nitesh Yelve**, Dean PG Studies  
**Prof. Lakshmi M. Gadhikar**, IT Dept  
**Prof. Archana Shirke**, IT Dept

### Resource Persons

- **Dr. M. M. Chandane**, VJTI, Mumbai.
- **Mr. Suresh Pal**, ATS Learning Solutions, Mumbai
- **Mr. Sumit Sharma**, ATS Learning Solutions, Mumbai
- **Mr. Anshu Kumar**, ATS Learning Solutions, Mumbai
- **Mr. Krunal Panchal**, ATS Learning Solutions, Mumbai
- **Experts** from TCS, Mumbai.

### Accommodation:

Participants who desire accommodation in the campus are requested to indicate so in the registration form. Accommodation will be provided at a nominal rate for limited number of delegates.

### Approximate Travel Time For Reaching Agnel Technical Education Complex

- Vashi Railway Station: 15 mins. (2 kms.)
- Vashi Bus Depot: 5 mins. (0.5km)
- Domestic Airport to vashi: 1 hr. (20 kms.)



AICTE-ISTE APPROVED  
SHORT TERM TRAINING  
PROGRAMME

On

**“Hands on Cross Platform Mobile  
Application Development and IoT”**  
(07<sup>th</sup> – 11<sup>th</sup> May, 2018)



Organized By

**Department of  
INFORMATION TECHNOLOGY**

Fr. C. Rodrigues Institute of Technology,  
Agnel Technical Education Complex,

Sector 9A, Vashi

Navi Mumbai – 400 703

Visit: [www.fcrit.ac.in](http://www.fcrit.ac.in)

Convener

**Dr. H. K. Chavan**

Coordinators

**Prof. Smita Rukhande  
Prof. Suraj Khandare**

### Profile of the Institute:

Fr. C. Rodrigues Institute of Technology was established in 1994 in Navi Mumbai, Vashi, as a part of Agnel Technical Education Complex. The aim of the Institute is to provide quality technical education in addition to inculcating moral values to its students. Apart from academic excellence, the campus is also reputed for its extensive facilities that have led to it being awarded an “A” grade by the Directorate of Technical Education, Maharashtra, right from its inception. The institute is affiliated to the University of Mumbai and all the five UG engineering programmes (i.e. Computer, Mechanical, Electronics & Telecommunication, Electrical and Information Technology) are accredited from August 2012 by the National Board of Accreditation, New Delhi.

The institute also offers PG Courses (Mechanical Engg. (M/C Design), Electrical Engg. (Power Electronics and Drives), Electronics & Telecommunication).

The institute has recently started approved research Centre in Mechanical Engineering and Electrical Engineering to broaden the prospects of imparting higher technical education and research culture.

### About Department:

IT department aims at empowering students for lifelong learning, Research and successful adaptation of ever changing technology, it helps students to develop an ability to analyze, design and provide novel IT solutions for engineering problems

### Vision:

To become a leading center of excellence for quality education, advance research and development in the field of Information Technology for self-sustaining professionals.

### Mission:

1. To provide industry oriented quality education and training to students related to cutting edge technologies in the field of information technology.
2. To promote multidisciplinary activities that inspires students to serve society through innovative applications.
3. To promote entrepreneurship skills in students with overall personality development.

### Course Objectives:

- To teach the fundamental techniques and principles in programming Cross Platform Mobile Applications and Arduino.
- To provide an overview of hands on Cross Platform Mobile Application Development and Arduino.

### Course Content:

1. Introduction to Cross Platform Mobile Application Development
2. Process and Tasks Handling Activity Lifecycle Events.
3. Introduce Android APIs for Camera and Location Based Service.
4. Discuss various security issues with Android Platform.
5. Introduction to Arduino, installation, configure and manage Arduino
6. Design own circuit board using Arduino.

### Course Outcomes:

1. Experiment on Integrated Development Environment for Android Application Development.
2. Design and Implement Database Application and Content Providers.
3. Use multimedia, camera and Location based services in Android App
4. Develop Android App with Security features.
5. Apply concept of IoT to different applications.
6. Design and develop smart city using IoT.

## STTP on “Hands on Cross Platform Mobile Application Development and IoT”

### Registration Form

Full Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Institute: \_\_\_\_\_

Mailing Address: \_\_\_\_\_  
\_\_\_\_\_

Mobile: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Accommodation Required: Yes / No

ISTE Member: Yes/No

(If yes, Membership No: \_\_\_\_\_)

Registration fee (Rs.): \_\_\_\_\_

Mode of Payment: Cheque / Demand Draft

Cheque/DD No: \_\_\_\_\_ Date: \_\_\_\_\_

Name of the Bank: \_\_\_\_\_

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

Date: \_\_\_\_\_ Signature of applicant

### Recommendation of Employer

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

Date: \_\_\_\_\_ Signature

Name &

Designation of

Sponsoring authority with seal