



AICTE-ISTE Approved
(Self Financed)

One Week Short Term Training
Programme on

**Internet of Things: A Multidisciplinary
Approach for Future Innovations**
January 02-06, 2023

Organized by

Department of Electronics and Telecommunication
Engineering in association with
ISTE Faculty Chapter KJSCE and IQAC-KJSCE

K J Somaiya College of Engineering
Vidyavihar, Mumbai. 400 077
(A Constituent College of Somaiya Vidyavihar University)

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Somaiya Vidyavihar

Padmabhushan (Late) Shri K. J. Somaiya, an entrepreneur, philanthropist and visionary, established Somaiya Vidyavihar Trust in 1953. He had the vision and grit to achieve his dreams single-mindedly. He believed that education had to have its roots in strong values. Recognizing the need for imparting value-based education to today's youth, he founded Somaiya Vidyavihar (SVV). Somaiya Vidyavihar is a sprawling campus measuring over 65 acres and having more than 34 institutes with strength of 39,000+ students and 3000+ Faculties & Staff.

Somaiya Vidyavihar University

Established in 2019, Somaiya Vidyavihar University, Mumbai, is a self-financed university of Maharashtra recognized by the University Grants Commission (UGC). Somaiya Vidyavihar, with over six decades of rich experience in building and managing educational institutes of great repute, is the sponsoring body. Operational from 26th August 2019, Somaiya Vidyavihar University is a place where you can explore new possibilities, pursue your passion and above all, find yourself.

About KJSCE

K J Somaiya College of Engineering started in the year 1983 affiliated to University of Mumbai then college received Autonomous status since 2014 and since 2019 it is a constituent college of the prestigious Somaiya Vidyavihar University. It offers 6 under graduate programmes, 6 postgraduate programmes and Ph.D. centres in Computer, IT, Electronics, Mechanical Engineering and Electronics & Telecommunication. The college was awarded 'A' grade by the National Assessment and Accreditation Council (NAAC) with

recommendations from the University Grant Commission (UGC) and the Government of Maharashtra. The Education World for Engineering (Maharashtra) Ranking of the college for year 2022 is 03 and for World for Engineering (India) is 22, for Times of India is 16 ranking. The college comprises of 70+ well equipped laboratories. The campus placement records of our institute are a matter of pride for the students as well as the faculty.

About ISTE Faculty Chapter

KJSCE ISTE faculty Chapter KJSCE MH103, established in 1997, at present has more than 140 life members. The chapter regularly conducts STTPs and workshops for enhancing knowledge of faculties and also tries to impart skills in latest tools and technology.

About the Department

Department of Electronics and Telecommunication Engineering, KJSCE was established in 1996-1997. At present department is running UG, PG and Ph.D. programs. The Department houses classrooms and laboratories with modern infrastructure to facilitate their learning. Department has well equipped laboratories with various licensed tools related to IoT and Embedded systems, Antennas, CISCO centre of excellence. The department has always been active in conducting various workshops, seminars and Short Term Training Programs in the field of telecommunication and allied courses.

Course Objectives

The course focuses on Internet of Things (IoT) and its innovations. The participants will learn IoT related concepts such as Bluetooth Low energy, Antennas, with hands-on practice. Participants will be introduced to various tools and current trends such as 5G, antennas,

security, data analytics in IoT domain. The hands-on sessions will empower participants to learn basics of Data Acquisition using Texas Instruments platforms, Data storage and Visualization, Networking, Securities etc. Ultimately the course is to motivate the faculty/ researcher to utilize knowledge of IoT in their respective fields/ research and applications.

Course Highlights

Sessions will be conducted by Distinguished Speakers from IIT Bombay, Industry experts and Hands-on sessions will also be conducted by eminent faculties of KJSCE- SVU.

Course Contents

1. Keynote on Research in IoT
2. IoT and applications using sensors
3. Data Acquisition and Processing
4. Testing and characterization of system on chip antenna
5. 5G and IoT
6. Networking and IoT
7. Embedded security
8. IoT security
9. Hands-on the topics:
 - IoT applications on cloud platforms
 - IoT security
 - Data analytics

Eminent Speakers

- **Mr. Venkat Sarma**- IoT & MES Practice L&T Infotech.
- **Dr. Ashwini Gajarushi**- Engineering Manager at Technology Innovation Hub for IoT and IoE (TIH-IoT), IIT-Bombay.

- **Dr. Shivraj Rathod**- Assistant manager, Centre of Excellence in RF and Amp; Microwave Technology at Defence R &D Division of BFL, Pune.
- **Dr. Shubhangi Kharche**- Associate Professor and Head of Department CSE, SIESGST.
- **Mr. Niket Raut**- Senior Architect, Capgemini Technology Services Limited- Navi Mumbai.
- **Dr. Ninad Mehendale**- Associate Professor, K. J. Somaiya College of Engineering.
- **Dr. Irfan Siddavatam**- Professor and Director Somaiya School of Design.
- **Prof. Ashwini Dalvi**-Faculty, K. J. Somaiya College of Engineering.
- **Dr. Vinayak Tanksale**- Senior Lecturer, Computer Science, Ball State University, USA.

Organizing Committee Patrons

- **Mr. Samir Somaiya**
Chancellor, SVU
- **Prof. V. N. Rajasekharan Pillai**
Vice Chancellor, SVU
- **Dr. Raghunath Shevgaonkar**
Provost, SVU
- **Dr. Nandkumar Gilke**
Registrar, SVU

College Advisory Committee

- **Dr. Shubha Pandit**
Principal, KJSCE, SVU
- **Dr. Deepak Sharma**
Vice Principal, KJSCE, SVU
- **Dr. Sonali Patil**
Dean Academics, KJSCE, SVU
- **Dr. Nandana Prabhu**
IQAC coordinator, KJSCE, SVU

Convener

- **Dr. Bharti Singh**
Head, Department of Electronics and Telecommunication Engineering, KJSCE

Course Coordinator(s)

- **Dr. Vandana J Satam**
Assistant Professor, Department of Electronics and Telecommunication Engineering, KJSCE
- **Prof. Chaitali K Kulkarni**
Assistant Professor, Department of Electronics and Telecommunication Engineering, KJSCE

Organizing Committee (Dept of EXTC, KJSCE)

- **Dr. Anudeepa Kholapure**
- **Dr. Sandeep Sainkar**
- **Prof. Dipak Kulkarni**
- **Dr. Neethu Sabu**
- **Prof. Rehna Salam**

Course Schedule

Duration: January 02-06, 2023
Timings: From 10:00 a.m. – 05.00 p.m.

Target Audience

This course is addressed to faculty members, research scholars, PG students and working professionals of any discipline of engineering.

Course Fee

For Faculty (ISTE members) - Rs.3500/-
For Faculty (Non-ISTE members)-Rs.4000/-
For Students/Research Scholar- Rs.3000/-
For Industry Professionals - Rs.4000/-
**Accommodation on SVU campus: As per availability, on payment basis*

(Fees includes Registration kit, ISTE certificate, course material, breakfast, lunch and tea).

Important Dates:

Last Date for Registration: **December 15, 2022**

Notification Date: **December 20, 2022**

Important Links:

Payment link: The Link for Online payment is:
<https://kjscefees.com/login.aspx>

(Please mention EXTC-STTP-IoT in place of roll number, and participant's college name in place of fee category)

Registration Link: The link to register for the STTP is:
<https://forms.gle/GxEYcJ9KVtca7btv9>

***Certificates will be awarded after completion of graded activity**
Participants having ISTE membership will be provided the certificate from ISTE.

Contact

(extc-sttp.engg@somaiya.edu)

- **Dr. Vandana J Satam**
(Mobile no: - 9820817256)
- **Prof. Chaitali K Kulkarni**
(Mobile no: - 9960105179)