

Three Days Workshop on

**Industry 4.0 & Smart Manufacturing
February 2-4, 2023**

Organized by

**Department of Electronics Engineering
in association with 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). A sprawling campus of Somaiya Vidyavihar which measures over 65 acres, has more than 34 institutes with strength of 39,000+ students and 3000+ Faculty members & 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. The college received autonomous status in 2014 and it is a constituent college of Somaiya Vidyavihar University from 2019. It offers 6 undergraduate programmes, 6 postgraduate programmes and Ph.D. centres in Computer, IT, Electronics, Electronics & Computer, Mechanical 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). 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 70+ well equipped laboratories. The campus placement records of the institute are a matter of pride for the students as well as the faculty.

About the Department

The Department of Electronics Engineering was established in 1983. The department has always rendered cumulative efforts to enhance learning by conducting various workshops, seminars and short term training programs. The department has started a new UG program as 'Electronics and Computer Engineering' from this academic year.

Workshop Objectives

This workshop focuses on Industry 4.0 which aims to introduce automated decision-making to increase productivity and enable efficient production of goods. This workshop on Smart Manufacturing brings together cutting-edge technology like machine learning, Internet of Things (IoT), and data analytics to understand the current transformation of the manufacturing sector. The hands-on sessions will empower participants to learn basics of Industrial Automation using Festo's MPS platforms, PLC basics, HMI Interfaces. Ultimately the course is to motivate the faculty members/ researchers to utilize knowledge of Industry 4.0 and Smart manufacturing in their respective fields.

Workshop Highlights

Sessions will be conducted by distinguished speakers from industry and hands-on sessions will also be conducted by eminent faculty members of KJSCE and Industry experts from Festo.

Workshop Contents

1. 2D-3D viewing software for Functional Users
2. Additive manufacturing
3. Reverse Engineering

4. CAD CAM
5. QC Module
6. Digital Gauging Solutions
7. Robotics
8. Digitization in Pneumatics
9. IIOT solutions
10. 3D Printing

Eminent Speakers

- Mr. Virendra Rale, S2V2 Inc, Pune.
- Mr. Anubhav Hazra, S2V2 Inc, Pune.
- Mr. Vatsal Nayak, S2V2 Inc, Pune.
- Mr. Chandrashekhar, Festo India Pvt. Ltd.
- Mr. Bhumish Shah, Logimates Automation LLP
- Dr. Ninad Mehendale, KJSCE, Mumbai.

Patrons

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

College Advisory Committee

- Dr. Shubha Pandit
Principal, KJSCE, SVU
- Dr. Deepak Sharma
Vice Principal, KJSCE, SVU

Convener

Dr. Jagannath Nirmal
Head, Department of Electronics Engineering,
KJSCE

Organizing committee

1. Prof. Megha Sharma
2. Prof. Sonia Joshi

3. Dr. Seema Talmale
4. Prof. Sandeep Hanumante
5. Prof. Shila Dhande
6. Prof. Kiran Thale

Workshop Schedule

Duration: February 2-4, 2023

Timings: From 10:00 a.m. – 05.00 p.m.

Target Audience

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

Workshop Fee

For Faculty - Rs. 1000/-

For Students/Research Scholar - Rs. 500/-

For Industry Professionals - Rs. 1000/-

(Fee includes Registration kit, course material, breakfast, lunch and tea).

Important Dates:

Last Date for Registration: **31 January, 2023**

Important Links:

Payment link: The Link for Online payment is:

<https://kjscefees.com/login.aspx>

(Please mention ETRX-SM-WS in place of roll number, and participant's college name in place of fee category)

Registration Link: The link to register for the workshop is:

<https://forms.gle/3FkhYNB3BLjCKom87>

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