



Sri Krishnadevaraya Education Trusts

# SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi), Approved by AICTE, New Delhi | Accredited by NAAC UGC), Bengaluru, Karnataka-562157



## About the Institution

Sir M Visvesvaraya Institute of Technology (Sir MVIT) is an Institute of repute in the state of Karnataka founded by Sri Krishnadevaraya Educational Trust (Sri KET) in 1986. The institute offers nine B.E. degree programs in Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Computer Science & Engg., Industrial Engineering & Management, Telecommunication, Information Science and Bio Technology and four Masters Programs in Computer Applications, Business Administration, Computer Integrated Manufacturing and Electronics. The Institute is affiliated to Visvesvaraya Technological University and approved by All India Council for Technical Education, New Delhi and is accredited by National Board of Accreditation, New Delhi. Sir MVIT is an ISO 9001:2008 Certified Institution. Department of Mechanical Engineering, Department of Electrical & Electronics Engineering, Department of Electronics & Communication Engineering and Department of Biotechnology are declared R&D centers by the university. Sir MVIT is situated on a vast campus of 133 acres on the Bellary road near Air Force station, Yelahanka, close to Bengaluru International Airport (21 km from Bangalore city station). The institute has 2800 students & over 260 well-experienced faculty members, fully equipped labs (including project labs), seminar halls (For each department adequately equipped with multimedia facilities).

## About the Department

The Department of Mechanical Engineering was established in the year 1986. The Department has been recognized as R & D Centre by Visvesvaraya Technological University, Belagavi, for carrying out research activities leading to M. Sc. (Engg.) and Ph.D. Degrees. The department offers two UG programs namely, B.E. (Mechanical Engineering) and B.E. (Industrial Engineering and Management, started in 1995) and one PG program namely, M.Tech. (Computer Integrated Manufacturing, started in 2002). The sanctioned students strengths of B.E. Mechanical Engineering is 120, B.E. Industrial Engineering & Management is 30 and M.Tech. CIM is 25. At present, the department has Ph.D scholars, working on

Nanomaterials, Composites, Alternative fuels etc. The students of the department will undergo internship at various reputed organizations all over the country. Students participate in various international competitions regularly. The department possesses the state of art facilities to support our academic programs and research as well. Several students projects have been funded by the Government of Karnataka and VTU, Belagavi. The students of our department take part in interdisciplinary projects and have won laurels at National level.

Our department has distinguished records in both teaching and research. Faculty members have excellent academic credentials and are highly regarded. They have publications at national and international levels and also have patents. Several faculty members serve on the editorial boards of national and international journals, review technical articles for journals on a regular basis and organize conferences and workshops.

**Vision:** To become a leading learning Center in Mechanical Engineering

### Mission:

- Enrich the undergraduate experience through experimental learning, and fostering a personalized and supportive environment for their overall development.
- Provide opportunities to develop talented and committed human resource to meet the needs of profession and society.
- Provide research and intellectual resources to address contemporary and complex problems of industry and research.

### About the Program

This national level webinar on materials, machining and characterization as part of faculty Development Programme organized by the department of Mechanical Engineering Sir MVIT Bengaluru, focus mainly on the advanced materials, characterization in terms of structure property relation and significant aspects in machining technology. This webinar will

Surely enhance the knowledge of the faculty and also gives insight of future challenge in the domain of research.

### Objectives:

- Enhance the knowledge about materials, characterization and their applications in different engineering and allied domains.
- Provides a systematic engineering approach to understand the structure property correlation and significant aspects in machining technology.

### Learning Outcome:

On completion of this FDP, participant will be able to: Apply knowledge associated with advanced materials, structure property correlation and significant aspects of machining technology and characterization techniques in their field of research.

### Registration:

The participants are requested to register their names by filling the google form using the below link.

<https://forms.gle/vBVzG2GeZJRMEdtDA>

Join Whatsapp group for daily updates on webinar :

<https://chat.whatsapp.com/J9rHEVWd6s3H9jR3jRjIMv>

**Note:** There is no registration fee for participants. E certificate will be provided for those who register and attend the webinar.

### For more details:

**Mr. Sampath Kumar L**, Assistant Professor.

Contact No: +91 9591488258

**Mr. Madhukumar K**, Assistant Professor.

Contact No: +91 9986464333

Email: webinar2020me@gmail.com

### Important Dates:

Last date of registration: **05<sup>th</sup> July 2020**

Confirmation of participation in FDP: **05<sup>th</sup> July 2020**

Confirmation of candidates will be on first come first serve basis.



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## Resource Persons



**Dr. Rajendra Singh**, Associate Professor  
Dept. of Biotechnology Engg. Sir MVIT,  
Bengaluru - 562157.

### Session Topic:

Introduction to nano materials, Synthesis and Characterization.

### Session Date & Time:

06.07.2020 & 11:00 AM – 12:30 PM



**Dr. Chandrashekar Naik**, Professor  
Dept. of Biotechnology Engg. Sir MVIT,  
Bengaluru - 562157.

### Session Topic:

Applications of Nano Materials in Diagnostics.

### Session Date & Time:

07.07.2020 & 11:00 AM – 12:30 PM



**Dr. P. Raghothama Rao**, Professor  
Dept. of Mechanical Engg. SJGIT,  
Chikballapur - 562101.

### Session Topic:

MMCs- Aspirations, Adversaries and Achievements

### Session Date & Time:

08.07.2020 & 11:00 AM – 12:30 PM



**Dr. Vasu .M**, Assistant Professor  
Dept. of Production Engg. NIT,  
Tiruchirappalli- 620015.

### Session Topic:

Machinability Studies on EN47 Spring Steels

### Session Date & Time:

09.07.2020 & 11:00 AM – 12:30 PM



**Dr. S. Devaraj**, Professor and R & D Co-ordinator  
School of Mechanical Engg. Reva University,  
Bengaluru - 560064.

### Session Topic:

Structure Property Correlations

### Session Date & Time:

10.07.2020 & 11:00 AM – 12:30 PM

## Chief Patrons:

**Dr. A.C Chandrashekar Raju**, President, Sri KET  
**Sri K Syama Raju**, Secretary, Sri KET  
**Sri G Prabhakar Raju**, Academic Chairman, Sri KET

## Organizing Chair:

**Dr. V.R Manjunath**, Principal,  
Sir M. Visvesvaraya Institute of Technology, Bengaluru.

## Convenor:

**Dr. K S Shanmukharadhya**  
Professor & Head, Department of Mechanical Engineering, Sir  
M. Visvesvaraya Institute of Technology, Bengaluru.

## Coordinators:

**Dr. G Balakumar**, Associate Professor.  
**Mr. Nataraj M**, Assistant Professor.  
**Mr. Sampath Kumar L**, Assistant Professor.  
**Mr. Madhukumar K**, Assistant Professor.



## ORGANIZED BY

## DEPARTMENT OF MECHANICAL ENGINEERING

Sir M. Visvesvaraya Institute of Technology,  
Krishnadevarayanagara , Hunasemaranahalli, Yelahanka,  
Bengaluru – 562157.