



Sri Krishnadevaraya Education Trust

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi), Approved by AICTE, New Delhi | Accredited by NBA, 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 Mechanical Engineering UG programs and one PG program namely, M.Tech. (Computer Integrated Manufacturing, started in 2002). 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.

Department has distinguished records in both teaching and research. Faculty members have excellent academic credentials and are highly regarded. 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

The three-day student development Programme “**Opportunities in the Field of Mechanical Engineering and Prerequisites to Excel in the Era of Modern Trends and Digital Technologies**” is specially designed to bridge the curriculum gap with industrial applications and expectations addressing the modern trends and digital technologies. Also, to enrich the knowledge of students beyond the classroom learning and to ignite the young minds to think beyond the subject and apply their knowledge to meet the needs of society and industry.

Objectives:

- To create awareness about modern trends and digital technology.
- To create awareness on different career opportunities ahead in the field of mechanical engineering domain and industrial expectations.

- To enrich the knowledge of students beyond the class room learning.
- To ignite the young minds to think beyond the course.

Learning Outcome:

On completion of this SDP, participant will be able to:

- Describe the traditional product development cycles, typical machinery design procedures and industry revolutions from Industry 1.0 to Industry 4.0
- Comprehend the role of traditional CAE process in overall product development cycles
- Analyse different types of structural analysis in the CAE domain i.e. static, dynamic, fatigue, thermal analysis etc.
- Recognize different departments and functionalities in typical product development company i.e. OEM's.
- Understand the background and ways of realizing Artificial Intelligence/Machine Learning (AI/ML) in mechanical engineering applications.
- Recognise the need and prepare themselves to meet the industry expectations.
- Understand the learning gaps in relation to the industrial myths and verity.

Registration:

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

<https://forms.gle/t5YRwSvKNMqyhAVi6>

Join Whatsapp group for daily updates on webinar :

Group-1 <https://chat.whatsapp.com/Eq2EzQFn9aw3UOFj5aZc7x>

Group-2 <https://chat.whatsapp.com/CiAWccnKddm1Ho5j3dwdlp>

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

Important Dates:

Last date of registration: **18th January 2022**

Confirmation of participation in SDP: **19th January 2022**

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



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Resource Persons



Mr. Purushotham Shenoy K, Senior Associate- Validations, QA Validations.
IncepBio Private Limited, Bengaluru and Alumnus of Sir MVIT

Session Topic:

“Industrial Myths and Verity”

Session Date & Time:

20.01.2022 & 11:00 AM – 12:30 PM



Mr. Jofin George, Project Manager
Continental Automotive Pvt Ltd and Alumnus of Sir MVIT

Session Topic:

“Industry Expectations from Mechanical Engineers”

Session Date & Time:

21.01.2022 & 11:00 AM – 12:30 PM



Dr. Anil Kumar S, Structural Mechanics Engineer
Executive board member of Technical Institute of Engineers (TIE)
Bengaluru chapter

Session Topic:

“High Time for Accelerating towards Digital Technologies: A prerequisite to Excel in the Digital Era of Industry 4.0”

Session Date & Time:

22.01.2022 & 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 Shanmukharadhy
Professor & Head, Department of Mechanical Engineering, Sir M. Visvesvaraya Institute of Technology, Bengaluru.

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ORGANIZED BY

DEPARTMENT OF MECHANICAL ENGINEERING

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