

**Webinars conducted by the department with the support of various faculty members under ISTE Institution chapter**

- 1) "Indian Power Sector Present and Future – An overview" by Mr. Surya Prakash Vice President & Head of the Plant, JSW Energy Ltd, Bellary on 06-08-2020.
- 2) "Systematic Innovation and Product Development" by Mr. Mahadev Prasad, Manager Check Point Systems on 29-07-2020.
- 3) "Artificial Intelligence for Autonomous Vehicle" by Mr. Parameshwara Naik L & Dr. Pramod Kumar, Director & Senior Manager Agimus Technologies Pvt Ltd on 27-07-2020
- 4) "Career Guidance & Opportunities" by Mr. Krishna Pattaje, Learning and Development Manager, Hewlett Packard Enterprise (HPE) on 25-07-2020.
- 5) "Bio-Materials Science & Engineering" by Dr. Hanumantharaju H G, Associate Professor, Acharya Institute of Technology on 22-07-2020.
- 6) "Future of Safety in Mobility" by Mr. Shubham V Phoolari (Alumni 2012-16 batch), MSc, Applied Mechanics, Chalmers University of Technology, Sweden on 20-07-2020.
- 7) "Cracking GATE and MTech at NIT – Personal Experience" by Mr. Ullas.U (Alumni 2013-17 batch), present MTech student from NIT Calicut on 18-07-2020.
- 8) "Finite Volume Method (FVM) & Computational Fluid Dynamics (CFD)" by Mr. Kaustubh Thakurdesai (Alumni 2015-19 batch), present MTech student from NIT Hamirpur on 13-07-2020
- 9) "NBA CO-PO Mapping" by Dr. Manjunath B, Associate Professor, Acharya Institute of Technology, Bengaluru on 11-07-2020.
- 10) "Vastu is Science or Astrology" by Mr. Acharya Shekhar Deekshit, Spiritual Scientist, Deekshit Integrated Wellness Centre on 08-07-2020.
- 11) "Innovation is must to start a Startup Company" by Mr. Y K Gaur, Principal Consultant and CEO, Yashad Gaur and Associates on 23-06-2020.
- 12) "Awareness of COVID-19" by Major Dr. Abhijith Y V (Retired), Research Medical Officer & Assistant Professor on 12-06-2020.
- 13) "German Language Basics" by in-house faculty Mr. Praful M P, Assistant Professor, SJBIT on 18-05-2020.
- 14) "Desi-Gou Products Preparation and Scope for Self-Employment" by in-house faculty Mrs. Chaitra B K, Assistant Professor, SJBIT on 19-05-2020
- 15) "Industry 4.0 and its Role in Manufacturing" by Mr. Milind Tavare and Mr. Santhosh, Bosch Rexroth Centre on 22-05-2020 & 23-05-2020.

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**Department of Mechanical Engineering**

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**MECHMERISE**

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**Vision :** To become a center of excellence and a platform in diversified fields for the aspirants in Mechanical Engineering.

**Mission**

- To impart comprehensive education in the field of Mechanical Engineering to produce highly accomplished graduates
- To endow technical & soft skill trainings to foster professionalism and ethical values among students
- To induce innovative thinking among students through projects and research work

Department of Mechanical Engineering is headed by **Dr. T Madhusudhan**. The department is strengthened with qualified faculty members & staff, with state of art facilities.



**DEPARTMENT ACTIVITY**

- **Orientation Programme** was conducted for all the teaching & non-teaching staff members, MTech & the UG students during the start of both odd & even semester 2019-20; addressing the roles and responsibilities, code of conduct and about the different committees that are present for the welfare of the students.
- **Four Guest Lectures** were conducted during the academic 2019-20. 1) Heating Ventilation & Air-Conditioning (HVAC) addressed to the students of 5th semester by Mr. Asif Akther Khan & Ms. Farheen Farhath from Prinston

Smart Engineers held on 6th Sep 2019. 2) NBA-Course Outcomes to Program Outcomes Mapping & Attainment Calculations addressed by Dr. Manjunatha B, Professor, Acharya Institute of Technology. This talk was addressed to all the staff members on 6th Aug 2019 at CSE Seminar Hall. 3) Organic Farming & UBA Implementation addressed by in-house faculty Mrs. Chaitra B K & Mr. Naveena Kumar R R on 23rd Nov, 2019. 4) Recent Trends in Artificial Intelligence, Machine Learning & Robotics addressed by Dr. T C Manjunath, Professor & HOD, Department of ECE, Dayananda Sagar College of Engineering to the students of 6th semester on 24th Feb, 2020.

- **Education Tour** - Students of 6th semester were taken to the Open Day Event at IISC Bangalore on 29-02-2020. They were exposed to various innovative projects on topics such as Anti-Gravity Technology, Super Computers, Aluminium Plate Coated with Different Materials, Robotics, Electric & Hybrid Vehicles.
- One **Industrial Visit** was conducted for the students of 7th semester on 25th Oct, 2019. The students were taken to DIFACTO Robotics & Automation Pvt. Ltd., J.P.Nagar, 2nd Phase, Bengaluru. Students were addressed on various like technology & capability, software tools, automation suppliers, original equipment manufacturers, robot manufacturers and suppliers.





(Students at IISC Open Day)

- **Parent-Teacher meeting** was conducted at the Aryabhata seminar hall of the department on 19th Oct, 2019. HOD addressed the gathering and explained more on Outcome Based Education (OBE), PO's, PEO's, NBA benefits and accreditation formalities. The subject toppers from each semester were honored by the respective subject teachers. Later the parents had one to one discussion in detail with the proctors of their wards. Around 100 parents participated in this meeting and expressed their happiness regarding the interest taken by the department about their wards.
- **Three Coaching Classes** for Higher Studies were conducted for the students of 5th and 7th semester during the odd semester 2019-20. These sessions were addressed by IDP Education, Pratap Education Institute and Vani Institute respectively. The students were given a detailed talk on preparation required for exams like GRE, TOEFL, IELTS and GATE.
- One **Faculty Workshop** was conducted for all the staff members on Fire Safety Measures & Fire Fighting Devices Operation. A training was provided on 23rd Oct 2019 by AIM Fire Services at the Basketball court of the college. The program was carried in two sessions, one was a theory session held at CSE seminar hall, and the second was a hands on session wherein the AIM Fire Services team gave a live demonstration on how to use the fire extinguisher and douse the fire.
- **Online Internship Program** was organized at the department Rexroth Bosch Industrial Automation Centre by the in-house Assistant Professors Mr. Uday M, Mr. Thirumala S V, Mr. Shankara D R, Mr. Gowtham K, Mr. Manjunath Naik. 140+ students attended this programme which was conducted for a duration of 25 days from 17th Aug to 12th Sept, 2020.
- **Staff Club Activity** (Community Service), the faculty members of the department visited Deepashri Old Age Home at Rajarajeshwari Nagar, Bengaluru on 12-12-2020. The senior citizens at the old age home were treated with warmth & love and provided with some basic needs such as blankets & eatables such as fruits.

- On 20th August, **Sadbhavana Diwas** was celebrated as a tribute to the birth anniversary of former PM Rajiv Gandhi. An oath taking ceremony was organized wherein the faculty

members of the department took an oath on Promoting National Integration & Communal Harmony.

- On account of **Engineer's Day**, a tribute was



(Oath-Taking Ceremony on Sadbhavana Diwas)

paid to Sir M Visvesvaraya. The faculty members of the department shared the thoughts on various achievements & incidents

from the life of Sir M Visvesvaraya recalling the contributions made by him towards the nation.

- Webinars conducted by the department with



(Engineer's Day Celebration)