



**KUMARAGURU**  
COLLEGE OF TECHNOLOGY



Department of Mechanical Engineering

Newsletter

# *MExpress*

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**JUNE 2020**

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**Mr. P. Kapil Anandh**  
**Mr. B. Praveen**

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# DEPARTMENTAL ACTIVITIES

## PROGRAMMES ORGANIZED

- Department organized a webinar on "Latest Generation of Welding Process/Technologies and Career Opportunities -KCT" on 05.05.2020. Mr. A. SUMAN, Area Sales Manager, Perfect Welding, Fronius India Private Limited, India delivered the lecture in the webinar. The webinar was coordinated by Mr. B. N. Sreeharan, AP (II).
- Another webinar was organized on the title "Electric Vehicles – What's, If's, But's!" on 09.05.2020, Mr. M. Srinivasan, Senior Vehicle Dynamics Engineer, AMZ Automotive shared his expertise. The webinar was coordinated by Mr. B. N. Sreeharan, AP (II).
- For the benefit of the students who is aspiring for higher education in abroad, a Webinar on "COVID-19 and its Impact on STUDY ABROAD" was organized by the department on 11.05.2020. Mr. S. Prasanna Krishna, Educationalist, Consultant, mentor and a public speaker of M/s. Career Zone provided the insights. The webinar was coordinated by Dr. N. Sangeetha, Sr. ASP.
- Another webinar on "Introduction to Automotive Noise, Vibration & Harshness (NVH)" was organized by the department on 14.05.2020. Mr. Murali Bodla, Managing Director and Technical head, M/s. Hertztech Solutions Pvt Ltd, Kanchipuram, shared his experiences. The webinar was coordinated by Mr. M. Ramesh Kumar, AP, Mr. V. R. Navaneeth, AP, Dr. K. K. Arun, AP (III).

- Following the above, department organized a Five day webinar "Unlocking the future potential in Engineers" from 21-05-2020 to 26-05-2020. "Mr. Joses Samuel Senior Manager, Additive Manufacturing Business, Dr. A Murugaraj, Professor & Head, Robotics Automation Department, Sri Ramakrishna Engineering College, Mr. Muralidharan Gopi Ramesh, Program Manager, Nissan Motors India Pvt limited, Dr. Jayakumar Venkatesan, Partner and CTO- Synergy Moon USA, and Dr. S. Narasimhan, Principal Consultant, The Lyceum Management Consulting & Training" shared their experiences. The webinar was coordinated by Mr. R. S. Mohankumar, AP and Dr. A. P. Arun, (II).
- Along with KCIRI, KCT department organized a two day Training program on "FE simulation using Abaqus" during 28.05.2020 and 29.05.2020. Mr Naganandha, Sr Application Manager, EDS technology trained the participants.

## GUEST LECTURES DELIVERED

Dr. C. Velmurugan, HoD, delivered an online guest lecture at SRM Valliammai Engineering College on 14-05-2020 as a part of Five Days Online Faculty Development Programme on Concepts of Thermodynamics, Fluid Mechanics and Dynamics for Mechanical Engineers.

Dr. S. Balasubramanian, Associate Professor, gave a webinar at KGISL Institute of Technology on 11.05.2020 on "Lasers in Green Manufacturing".

## DEPARTMENTAL ACTIVITIES

- Dr. S. Balasubramanian, Associate Professor, addressed the students of Kongu Nagar, Kalapatti, through online on 20-05-2020 as a part of Career Guidance post COVID19/Social Activity.
  - Dr. R. Manivel, Professor trained online the PGDDE-VI Batch- Cameroon Shlumberger Trainees on 01.05.2020 on the various topics like Subsea Connector Types, Design Criteria, Jumpers Installation, etc.
  - Mr. B. N. Sreeharan, Assistant Professor – II, gave a webinar on “Applications of Grey Relational Analysis - Multi-response Optimization using MS EXCEL” conducted by VISTAS, Chennai on 26.05.2020.
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|-----------------------------|-----------|
| Mr. K. Krishnamoorthi       | - 10 Nos. |
| Dr. K. M. Senthilkumar      | - 08 Nos. |
| Mr. T. Karuppusamy          | - 08 Nos. |
| Mr. K. Manikanda Prasath    | - 18 Nos. |
| Mr. B. Jeeva                | - 05 Nos. |
| Mr. V. R. Navaneeth         | - 39 Nos. |
| Mr. M. A. Vinayagamoorthi   | - 15 Nos. |
| Mr. M. Thirumalaimuthukumar | - 24 Nos. |
| Mr. P. Pradeep              | - 13 Nos. |
| Mr. R. S. Mohan Kumar       | - 11 Nos. |
| Mr. S. Prabhu (Jr)          | - 06 Nos. |
| Mr. S. Sivakumar            | - 23 Nos. |
| Mr. S. Suresh               | - 23 Nos. |
| Mr. P. Prashanth            | - 04 Nos. |
| Mr. S. Ramanathan           | - 02 Nos. |
| Dr. S. Balasubramanian      | - 23 Nos. |
| Dr. P. Sathyabalan          | - 03 Nos. |
| Mr. B. N. Sreeharan         | - 55 Nos. |

### PROGRAMMES ATTENDED

- Following are the no. of programmes viz. FDPs, Online Courses, Training Programmes, Webinars, Quizzes, etc. attended by our faculty members.

Dr. C. Velmurugan, HoD	- 09 Nos.
Dr. A. P. Arun	- 13 Nos.
Mr. PR Ayyappan	- 09 Nos.
Mr. P. D. Devan	- 30 Nos.
Dr. V. R. Muruganantham	- 16 Nos.
Dr. M. Balaji	- 13 Nos.
Dr. V. Manivelmuralidaran	- 11 Nos.
Dr. K. K. Arun	- 97 Nos.
Dr. B. Senthilkumar	- 09 Nos.
Dr. K. Ulaganathan	- 22 Nos.
Dr. N. Sangeetha	- 06 Nos.
Dr. P. S. Samuel Ratna Kumar	- 07 Nos.
Dr. R. Manivel	- 11 Nos.
Dr. S. Balaji	- 07 Nos.
Dr. S. Sivakumar	- 03 Nos.
Dr. S. Thirumurugaveerakumar	- 05 Nos.
Dr. V. Muthukumar	- 17 Nos.

Complete details are as follows:

### Dr. C. Velmurugan, HoD

- Welding Technology and the role of International Certification of Manufacturers for enhancing Export Competitiveness from 09.05.2020 to 09.05.2020.
- COVID-19. Changing challenges into opportunities from 08.05.2020 to 08.05.2020.
- The New World Order - The Conversation series from 07.05.2020 to 07.05.2020.
- To Guide Students to Select Meaningful Engineering Projects from 07.05.2020 to 07.05.2020.
- The New World Order - The Conversation on Infusion of Technology in Academia from 11.05.2020 to 11.05.2020.
- Fundamentals of fluid power systems from 01.05.2020 to 30.05.2020.

## DEPARTMENTAL ACTIVITIES

- Materials Science: 10 things every engineer should know from 01.05.2020 to 30.05.2020.
- Mechanics of Materials I: Fundamentals of stress & strain and axial loading from 01.05.2020 to 30.05.2020.
- Introduction to Engineering Mechanics from 01.05.2020 to 30.05.2020.

### Dr. A. P. Arun, Assistant Professor - II

- Material Behaviour - 6 weeks course on Coursera completed on 11.05.2020. from 11.05.2020 to 11.05.2020.
- Quantum Mechanics - 3 weeks course on coursera completed on 16.05.2020 from 16.05.2020 to 16.05.2020.
- National webinar on "Challenges and Prospects in Higher Education in Global Pandemic" organised by Bareilly college, UP, India on 10.05.2020. from 10.05.2020 to 10.05.2020.
- Online Quiz on "AUTO QUIZ 2020" organized by SRM.2020 from 13.05.2020 to 13.05.2020.
- Received excellent performance certificate on "Fundamental of Nano Science" organized by Thiru Kalanjiappar Government Arts College . from 13.05.2020 to 13.05.2020.
- Online Quiz on "Research and Funding schemes" New horizon institute of technology, Thane on 13.05.2020 from 13.05.2020 to 13.05.2020.
- FDP on "Remarkable Structural, Magnetic and Microwave Adsorption Properties of Rare Earth-Doped Mn-Cu Ferrites. & In-situ characterization of Materials at Elevated Temperatures" Kristu Jayanti College (Autonomous) Bengaluru, 4th May, 2020. from 04.05.2020 to 04.05.2020.
- 5 days online FDP on " Statistical Mechanics" conducted by PSG R Krishnammal College, Coimbatore 25.09.2020 to 29.05.2020. from 25.05.2020 to 29.05.2020.

- "Webinar programme on "Let's Get Back to Routine with Ease",
- organised by the Department of Business Administration, SRM Institute of
- Science and Technology from 15.01.2020 to 15.05.2020."
- "Webinar on Advanced Materials: Webinar Series – II, Vels
- Institute of Science, Technology & Advanced Studies from 28.05.2020 to 30.05.2020."
- "Webinar on " Psychological Strategies to Overcome COVID-19"" ,
- organised by SRM Institute of Science & Technology from 15.01.2020 to 15.05.2020."
- Webinar on "unlocking the future potentials in engineers" organised by KCT from 21.05.2020 to 26.05.2020.
- Webinar on "e workshop on virtual labs" organised by IIT , Guwahati from 14.05.2020 to 14.05.2020.

### Mr. PR. Ayyappan, Assistant Professor (SRG)

- Coursera course on Fundamentals of engg exam review from 25.03.2020 to 17.05.2020.
- 5 day online series-Unlocking the future potential in engineers-KCT MECH DEPT from 21.05.2020 to 26.05.2020.
- TEQUIP SPONSORED National webinar on mental health DURING covid-19-Dumka engg college from 16.05.2020 to 16.05.2020.
- webinar-Fundamentals of lubricants -NIT-BHOPAL from 25.05.2020 to 25.05.2020.
- Webinar-Project proposal writing'-SRM IST-CHENNAI from 29.05.2020 to 29.05.2020.



## DEPARTMENTAL ACTIVITIES

- Webinar-Electric vehicles-ifs and buts-KCT-MECH DEPT from 09.05.2020 to 09.05.2020.
- WEBINAR ON research publications by KCT-S&H from 15.05.2020 to 15.05.2020.
- Webinar-Psychological strategies in COVID-19-SRM IST-Chennai from 15.05.2020 to 15.05.2020.
- Webinar-Future of AI-By PANTECH solutions-Mumbai from 20.05.2020 to 20.05.2020.

### Mr. P. D. Devan, Assistant Professor

- MHRD's Innovation Cell - Online Session ( Webinar Series) from 05.01.2020 to 22.05.2020.
- "Webinar on Bridging the gap for Real-world Marketing – Industry vs Academia,
- VET Institute of Arts and Science, Erode from 05.02.2020 to 05.02.2020."
- Webinar on Patent Search and Analytics using IPGRAM conducted by Turnip from 05.01.2020 to 05.01.2020.
- NAFEMS Webinar on Process simulation, optimisation and additive manufacturing for reengineering of medical devices from 05.04.2020 to 05.04.2020.
- Webinar programme on "How to be secured in Digital Era", SRM university from 05.05.2020 to 05.05.2020.
- Webinar on The New World Order - The Conversation series, KCLAS from 05.07.2020 to 05.10.2020.
- Webinar on Machine Learning, IIC, MHRD from 05.07.2020 to 05.07.2020.
- Webinar "A Special Lecture on EDUCATION 4.0", V. O. Chidambaram College, Thoothukudi. from 05.08.2020 to 05.08.2020.
- Webinar on Electric Vehicle, KCT from 05.09.2020 to 05.09.2020.
- National Webinar on "Challenges and Prospects in Higher Education in Global Pandemic" from 05.10.2020 to 05.10.2020.
- Supply Chain Management during a Pandemic, VET Institute of Arts and Science, Erode from 05.09.2020 to 05.09.2020.
- "QUIZANTHON –Online Mechanical Quiz", A. V. C. COLLEGE OF ENGINEERING from 05.09.2020 to 05.09.2020.
- Teachers to handle post pandemic situation, CIT Chennai from 05.12.2020 to 05.12.2020.
- Webinar on What Next After Covid-19 Opportunities & Career Guidance for Graduates from 13.05.2020 to 13.05.2020.
- Technical Webinar Series on the New Product Development, KCIRI from 13.05.2020 to 15.05.2020.
- FDP on "Novel Materials and It's Industrial Applications", Karpagam College of Engineering. from 18.05.2020 to 18.05.2020.
- UBA WEBINAR Series on the UBA thematic areas, TNAU from 13.05.2020 to 15.05.2020.
- Additive Manufacturing ( 3D Printing ) with some Business Cases, CIT Chennai from 14.05.2020 to 14.05.2020.
- Webinar on "Kickstart Your Artificial Intelligence emerged Fourth Industrial Revolution, SRIET, Coimbatore from 15.05.2020 to 15.05.2020.
- KLDA - Webinar on "Research Opportunities in COVID 19 Pandemic" from 16.05.2020 to 16.05.2020.

## DEPARTMENTAL ACTIVITIES

- FDP on "Renewable Energy Sources: A Way ahead" , MKSSS's Cummins College of Engineering for Women, Nagpur from 15.05.2020 to 21.05.2020.
  - Guest Lecture on "Lets Get Back to Routine With Ease", SRM University from 15.05.2020 to 15.05.2020.
  - Research Opportunities in COVID 19 Pandemic, KLDA from 16.05.2020 to 16.05.2020.
  - Webinar on Research Publication: Skills, Ethics and Misconducts, KCT from 15.05.2020 to 15.05.2020.
  - National Level Online Course on "OPERATIONS RESEARCH", V. H. N. S. N. College (Autonomous), Virudhunagar. from 18.05.2020 to 21.05.2020.
  - Enduring Trends in Mobile Robotics : Present & Future, CIT, Chennai from 19.05.2020 to 19.05.2020.
  - ETE-Pantech-E-Certificate for the AI Webinar Series, Mumbai from 20.05.2020 to 20.05.2020.
  - ONLINE FACULTY FOCUS PROGRAM HOW TO BE AN EXCELLENT ONLINE TUTOR, UNITIEUP from 21.05.2020 to 21.05.2020.
  - FDP on Emerging Technologies in Robotics, Malla Reddy Engineering College from 26.05.2020 to 26.05.2020.
  - Introduction to Project Management- Coursera online course from 05.02.2020 to 21.05.2020.
  - Edspire Webinar Series - Bridging the Gap - Industry Vs Academia from 02.05.2020 to 02.05.2020.
  - Two days online workshop on Patent Drafting and Processing organized by Journal of Advanced Engineering and Research from 06.05.2020 to 07.05.2020.
  - A Special Lecture on EDUCATION 4.0 , organized by IQAC of VOCC, Thoothukudi from 08.05.2020 to 08.05.2020.
  - Online Mechanical Quiz - QUIZATHON, BY A V C College of Engineering from 09.05.2020 to 09.05.2020.
  - FDP on Novel material and its industrial applications - 1week from 13.05.2020 to 18.05.2020.
  - New product development process , by KCIRI - webinar series from 13.05.2020 to 15.05.2020.
  - Machine Learning - The future business - by Institution of Innovation council -MHRD from 07.05.2020 to 07.05.2020.
  - Webinar on E Veichles, by KCT - Mech from 09.05.2020 to 09.05.2020.
  - FDP on Renewbale energy sources -A way Ahead, by Cummins Nagpur with ASM from 15.05.2020 to 21.05.2020.
  - Edspire Webinar Series - Supply chain management from 09.05.2020 to 09.05.2020.
  - Fourth Industrial Revolution - Shift in Manufacturing - Webinar from 08.05.2020 to 08.05.2020.
  - "Between a Rock and a Hard Place: Climate Change & COVID 19 by KCT- Ananta Aspen Centre from 14.05.2020 to 14.05.2020.
- Dr. V. R. Muruganantham. Associate Professor
- Patent Search and Analytics using IPGRAM Webinar from 01.05.2020 to 01.05.2020.

## DEPARTMENTAL ACTIVITIES

- Webinar on Research opportunities - KLDA from 16.05.2020 to 16.05.2020.
- Coursera - Digital Manufacturing in Design from 24.04.2020 to 06.05.2020.
- FDP on Emerging Technologies on Robotics from 26.05.2020 to 30.05.2020.

### Dr. V. Manivelmuralidaran, Assistant Professor - II

- Finite element simulation of Laser Welding Process from 16.05.2020 to 16.05.2020.
- One Week FDP on ADDITIVE MANUFACTURING - THE RESEARCH SCOPES & FUTURE TRENDS from 23.05.2020 to 28.05.2020.
- Overview of Gas Shielded Welding process and their advancements from 24.05.2020 to 24.05.2020.
- NEW PRODUCT DEVELOPMENT PROCESS from 13.05.2020 to 15.05.2020.
- FUZZY LOGIC AND NEURAL NETWORKS APPROACH FOR ENGINEERING SOLUTIONS from 01.05.2020 to 02.05.2020.
- webinar on "Developing MATLAB & SIMULINK Model". from 29.05.2020 to 29.05.2020.
- Webinar on APPLICATIONS OF OPERATIONS RESEARCH IN SERVICE INDUSTRIES from 30.05.2020 to 30.05.2020.
- A One day Workshop on "Mathematical Model for Mechanical Response of Nonlinear Elastic Materials" from 31.05.2020 to 31.05.2020.
- UNLOCKING THE FUTURE POTENTIAL IN ENGINEERS from 21.05.2020 to 26.05.2020.
- FDP on Statistical Mechanics from 25.05.2020 to 29.05.2020.

- FDP on Novel materials and its Industrial Applications from 13.05.2020 to 18.05.2020.

### Dr. K. K. Arun, Assistant Professor – III

- Webinar on Opportunities for Engineers and Expectation from Industry from 02.05.2020 to 02.05.2020.
- WEBINAR "3D PRINTING ADDITIVE MANUFACTURING" from 05.05.2020 to 05.05.2020.
- Webinar on Research Workflows, Research Metrics & Excellence in Academic Institutes from 06.05.2020 to 06.05.2020.
- Online Workshop - Electromagnetic and Thermal Simulation of PMSM (IPM) Motor from 07.05.2020 to 07.05.2020.
- Webinar on Hangout with successful Start Ups. from 05.05.2020 to 05.05.2020.
- Webinar 'To Guide Students to Select Meaningful Engineering Projects' ". from 07.05.2020 to 07.05.2020.
- Webinar on Fourth industrial revolution and The Paradigm shift in Manufacturing from 08.05.2020 to 08.05.2020.
- Webinar on KCLAS, Disruptive Innovations in Education" from 07.05.2020 to 07.05.2020.
- webinar on "ICT for Sustainable world" from 08.05.2020 to 08.05.2020.
- webinar on "Electric Vehicles – What's, If's, But's!" from 05.09.2020 to 05.09.2020.
- Webinar on Real Life Applications of Mechatronics- from 05.09.2020 to 05.09.2020.

## DEPARTMENTAL ACTIVITIES

- Webinar on webinar on "India Emerging as a Stronger Economy" from 10.05.2020 to 10.05.2020.
- Webinar on "Infusion of Technology in Academia" from 11.05.2020 to 11.05.2020.
- Webinar on RE-START Reboot the Economy through Science, Technology And Research Translations from 11.05.2020 to 11.05.2020.
- Four day - online Faculty Development Program on "Research Attributes and Funding" - 13th to 16th May 2020 from 13.05.2020 to 16.05.2020.
- Webinar on "Next Wave of Innovation" from 12.05.2020 to 12.05.2020.
- Webinar on How the teachers should be ready to handle post pandemic challenges from 12.05.2020 to 12.05.2020.
- FDP on Novel Materials and Its Industrial Applications: from 13.05.2020 to 18.05.2020.
- Webinar on "IFEES GEDC IUCEE Webinar: Online Teaching: Challenge, Technique, and Opportunity". from 13.05.2020 to 13.05.2020.
- Webinar on Kick Start Your Artificial Intelligence Emerged Fourth Industrial Revolution from 15.05.2020 to 15.05.2020.
- webinar on " Additive Manufacturing (3D Printing) with some Business Cases " from 14.05.2020 to 14.05.2020.
- Webinar on Thingworx Academic IOT Webinar from 14.05.2020 to 14.05.2020.
- FDP on "Renewable Energy Sources: A Way ahead" from 15.05.2020 to 21.05.2020.  
The Opportunity to Learn: Webinar 'To Guide Students to Select Meaningful Engineering Projects' from 14.05.2020 to 14.05.2020.
- Webinar on FE simulation of laser welding process from 16.05.2020 to 16.05.2020.
- Webinar: IoT for everyone and everything. from 15.05.2020 to 15.05.2020.
- Two day Online Faculty Development Programme (FDP) on Project Proposal for Funding Agencies (UGC STRIDE & ICSSR IMPRESS): Preparation & Submission Protocol on 16.05.2020 and 17.05.2020. from 16.05.2020 to 17.05.2020.
- webinar - Artificial Intelligence and Image Processing using MATLAB from 19.05.2020 to 20.05.2020.
- KLDA Webinar - Research Opportunities in COVID 19 Pandemic from 16.05.2020 to 16.05.2020.
- webinar -On What's Next from 16.05.2020 to 16.05.2020.
- online awareness program on NBA to keep in touch with NBA Accreditation from 16.05.2020 to 16.05.2020.
- Webinar on "How to Become a Data Scientist" from 18.05.2020 to 18.05.2020.
- Web seminar: Physical and Emotional Development of the Youth for a Better Society : Extension and Outreach Activity from 19.05.2020 to 19.05.2020.
- Three Days Online Short Term Course on Recent Trends in Engineering and Technology from 22.05.2020 to 24.05.2020.
- Virtual Assessment Programme on Intellectual Property Rights from 18.05.2020 to 18.05.2020.  
Faculty Development Program on My Life My Pride My Career. from 18.05.2020 to 18.05.2020.



## DEPARTMENTAL ACTIVITIES

- Webinar on "Live demo of Muni Pariksha for online examination conduction" from 18.05.2020 to 18.05.2020.
- Webinar on "Cloud PLM Solution for SOLIDWORKS Users" from May 19, to May 19,
- 2 Day's Online FDP on "Hypothesis testing for Researchers" from 20.05.2020 to 21.05.2020.
- WEBINAR on "Global Higher Education Summit 2020" from 18.05.2020 to 23.05.2020.
- Faculty Development Program (FDP) - "Are you IoT Ready?" from 23.05.2020 to 23.05.2020.
- Webinar on "Artificial Intelligence for Medical Image Analysis of Neuro Imaging Data" from 19.05.2020 to 19.05.2020.
- webinar on Enduring Trends in Mobile Robotics : Present & Future Expert from 19.05.2020 to 19.05.2020.
- Enduring Trends in Mobile Robotics : Present and Future from 19.05.2020 to 19.05.2020.
- Webinar on INDUSTRY 4.0 from 19.05.2020 to 19.05.2020."
- Webinar on "Grant and Research proposal Writing" from 20th May 2020 to 20th May 2020.
- To Guide Students to Select Meaningful Engineering Projects" by Dassault Systemes Foundation from 21st May 2020 to 21st May 2020.
- Webinar on "Learning Management Systems for education delivery beyond web-conferencing" from 19.05.2020 to 19.05.2020.
- Webinar on "Microfluidic Technology and its applications for Viral Diagnosis" from 21st May 2020, to 21st May 2020.
- Five Days webinar Programme on Unlocking the Future Potential in Engineers from 21.05.2020 to 26.05.2020.
- "Image Processing using MATLAB". from 20.05.2020 to 20.05.2020.
- Webinar on Robots in Covid-19 & Robotics and its Future from 21.05.2020 to 21.05.2020.
- Webinar on Hierarchy of Cognitive Levels – Digital Blooms Taxonomy organised by Department of Information Technology in association with Internal Quality Assurance Cell (IQAC) from 20.05.2020 to 20.05.2020.
- Webinar on "Improving Academic Standard in Management and Commerce Education & to match with Industry requirement from 21.05.2020 to 21.05.2020.
- Webinar on "Motorsport Engineering – A World Land Speed Record of Flying Kiwi" from 21.05.2020 to 21.05.2020.
- Webinar on Expanding Scope of Robotics from 21.05.2020 to 21.05.2020.
- Webinar on Robots in Covid-19 & Robotics and Its Future from 21.05.2020. to 21.05.2020.
- Webinar on Deep Dive in Digital Disruptive Technologies (IOT/AI/ML/DL) from 21.05.2020. to 21.05.2020.
- Webinar on "Hierarchy of Cognitive Levels – Digital Blooms Taxonomy " from 22.05.2020 to 22.05.2020.
- Webinar on "Design the Thinking" from 22.05.2020 to 22.05.2020.
- Webinar Registration- (Bring Out the Real "YOU" in You) from 26.05.2020 to 26.05.2020.

## DEPARTMENTAL ACTIVITIES

- Webinar on "Opportunities and Challenges on Hydrogen Energy and Fuel Cell Technologies" from 26.05.2020 to 26.05.2020.
- Webinar on "A Guide to Successful IoT Product Development" from 23.05.2020 to 23.05.2020.
- Webinar on Future Scope of Electric Vehicle from 23.05.2020 to 23.05.2020.
- " Innovation, Entrepreneurship and its Relevance in Industry 4.0 Practices in the Post Covid-19 Situation " from 25.05.2020 to 29.05.2020.
- Webinar on "The Power of IoT from 24.05.2020 to 24.05.2020.
- Webinar on ENHANCING THE PRODUCTIVITY IN DESIGN USING KBE TOOLS from 27.05.2020 to 27.05.2020.
- Webinar on ROBOTS IN COVID-19 & ROBOTICS AND IT'S FUTURE. from 26.05.2020 to 26.05.2020.
- Webinar on Day 1: Start where you are by Mr. Jaikanth Chinnathambi
- Day 2: Deep learning for computer Vision by Ms. Sindhu Rumesh Kumar
- Day 3: Future of Automotive Technology by Mr. Kumaran Bharatheedasan
- Day 4: Global opportunities in space exploration and research by Ms. Indhu Varatharajan
- Day 5: Additive manufacturing & its Application by Mr. R. Prasanna from 26th to 30th May 2020 to 26th to 30th May 2020."
- Webinar on Research Paper writing for Scientific Journals from 22.05.2020 to 22.05.2020.
- ONLINE QUIZ ON "INDUSTRY 4.0 FUNDAMENTALS (I4F)". from 25.05.2020 to 25.05.2020.
- WEBINAR SERIES ON DIGITAL TECHNOLOGIES by KCIRI and Nuvalla from 25 to 29 may 2020 to 25 to 29 may 2020.
- Webinar "Bring Out the Real You in You: Now or Never" from 26.01.1900 to 26.01.1900.
- Webinar on "Opportunities and Challenges on Hydrogen Energy and Fuel Cell Technologies" on 26.05.2020 from 26.05.2020 to 26.05.2020.
- One Week Faculty Development Program on " ADVANCED NDT TECHNIQUES & APPLICATIONS IN INDUSTRY" from 25.05.2020 to 29.05.2020.
- Five Days online FDP on "Renewable Energy Technologies, Integration to the power Grid and e-Vehicle" from 28.05.2020 to 01.06.2020.
- Webinar on "NON LINEAR ANALYSIS USING ABAQUS". from 28.05.2020 to 29.05.2020.
- Webinar on \*"FUTURE WORLD: INTERNET OF THINGS"\* from 29.05.2020 to 29.05.2020.
- Webinar on "Developing MATLAB & SIMULINK Model". from 29.05.2020 to 29.05.2020.
- "International Webinar on Project proposal Writing". from 29.05.2020 to 29.05.2020.
- "Webinar on Robust Engineering using TAGUCHI method " from 29.05.2020 to 29.05.2020.
- Webinar on "MODEL ANALYSIS IN FLUID MECHANICS" from 29.05.2020 to 29.05.2020.
- Webinar on OPPORTUNITIES FOR RESEARCH WITH DRDO from 29.05.2020 to 29.05.2020.
- Webinar series on "Plasma processing of Materials for various engineering applications". from 29.05.2020 to 30.05.2020.
- Webinar on "NOx and PM Emissions - Formation and Control" from 28.05.2020 to 28.05.2020.

## DEPARTMENTAL ACTIVITIES

- "NON LINEAR ANALYSIS USING ABAQUS" from 29.05.2020 to 30.05.2020.
- Webinar :: Recent Trends in IC Engines from 29.05.2020 to 29.05.2020.
- webinar on "Grant and Research proposal Writing" from 20.05.2020 to 20.05.2020.
- Webinar on APPLICATIONS OF OPERATIONS RESEARCH IN SERVICE INDUSTRIES from 30.05.2020 to 30.05.2020.
- "One-day webinar on "Kick start your Research work"". from 30.05.2020 to 30.05.2020.
- Two Day Hands on Training on Technology Assisted Teaching Tools : Through on-line mode from 29.05.2020 to 30.05.2020.
- Webinar on "Art of Journal Writing" from 30.05.2020 to 30.05.2020.
- Webinar on "ADDITIVE MANUFACTURING & ITS APPLICATIONS " from 30.05.2020 to 30.05.2020.
- Webinar on "NICHE AREAS TO FOCUS IN MECHANICAL ENGINEERING" from 30.05.2020 to 30.05.2020.
- FDP on Statistical Mechanics from 25.05.2020 to 29.05.2020.
- Coursera "CAM and Design Manufacturing for Mechanical Engineers with Autodesk Fusion 360" from 21.05.2020 to 21.05.2020.
- Coursera "Autodesk Fusion 360 Integrated CAD/CAM/CAE." from 20.05.2020 to 20.05.2020.
- Two Day Hands - on Training On Technology Assisted Teaching Tools from 29.05.2020 to 30.05.2020.
- ATAL Sponsored FDP on "Artificial Intelligence" MANIT Bhopal MP from 11.05.2020 to 15.05.2020.
- "IUCEE Virtual Academy: "Experiential Learning Using Ultra Concurrent Remote Laboratory" from 29.05.2020 to 29.05.2020.
- One Day National Webinar on "Data Science and Applications" from 23.05.2020 to 23.05.2020.
- Research Opportunities in COVID 19 Pandemic from 16.05.2020 to 16.05.2020.
- "The New World Order - The Conversation series - India Emerging as a Stronger Economy" from 10.05.2020 to 10.05.2020.
- "NAAC Awareness Program - Autonomous Colleges" from 07.05.2020 to 07.05.2020.
- "SolidCAM For Mold Making" from 07.05.2020 to 07.05.2020.

### Dr. B. Senthilkumar, Associate Professor

- One-Day Hands – on – Training on Deep Learning with MATLAB from 26.05.2020 to 26.05.2020.

### Dr. K. Ulganathan, Assistant Professor - III

- Online Sessions by MHRD's Innovation Cell on various themes of Innovation, Entrepreneurship, IPR and Startups from 01.05.2020 to 22.05.2020.
- UBA Webinar Series - Agricultural Machinery for Rainfed and Garden Land Cultivation from 13.05.2020 to 13.05.2020.
- UBA Webinar Series - Agricultural Machinery for Wet Land Cultivation from 13.05.2020 to 13.05.2020.
- UBA Webinar Series - Biogas Technology from 14.05.2020 to 14.05.2020.

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## DEPARTMENTAL ACTIVITIES

- UBA Webinar Series - Application of Solar Energy in Agriculture from 14.05.2020 to 14.05.2020.
  - UBA Webinar Series - Biochemical Conversion of Biomass from 15.05.2020 to 15.05.2020.
  - UBA Webinar Series - Thermo Chemical Conversion of Biomass from 15.05.2020 to 15.05.2020.
  - Applications in Engineering Mechanics - Coursera Online course from 21.04.2020 to 30.05.2020.
  - Machine Design Part I - Coursera Online course from 24.04.2020 to 30.05.2020.
  - Cyber Security in Manufacturing - Coursera Online course from 27.04.2020 to 26.05.2020.
  - Advanced Manufacturing Process Analysis - Coursera Online course from 01.05.2020 to 21.05.2020.
  - Webinar on Introduction to Automotive Noise, Vibration & Harshness (NVH) Organized by Dept. Mech. Engg, KCT from 14.05.2020 to 14.05.2020.
  - KLDA Webinar on Research Opportunities in COVID 19 Pandemic from 16.05.2020 to 16.05.2020.
  - Webinar on FE Simulation of Laser Welding Process Organized by Dept. of Mech Engg. , KIT, CBE from 16.05.2020 to 16.05.2020.
  - Webinar on Market Insight Way Ahead in Wind Energy Sector Organized by Sathyabama Institute of Science and Technology, Chennai. from 15.05.2020 to 15.05.2020.
  - Webinar on Design for Additive Manufacturing (DFAM) Organized by Indian Machine Tool Manufacturers' Association (IMTMA), Bangalore. from 29.05.2020 to 29.05.2020.
  - Webinar on Artificial Intelligence and its Disruption in Conventional Automotive Industry Organized by Sathyabama Institute of Science and Technology, Chennai. from 16.05.2020 to 16.05.2020.
  - Webinar Program on Unlocking the Future Potential in Engineers Organized by Department of Mathematics (S&H), Mechanical and Automobile Engineering , KCT. from 21.05.2020 to 26.05.2020.
  - Webinar on Pneumatics in Critical Healthcare Organized by Department of Mechanical Engineering, MCET in Association with JANATICS Pneumatic , Coimbatore from 28.05.2020 to 28.05.2020.
  - Webinar on Applications of Operations Research in Service Industries Organized by Sathyabama Institute of Science and Technology, Chennai. from 30.05.2020 to 30.05.2020.
  - One day Workshop on Mathematical Model for Mechanical Response of Nonlinear Elastic Materials Organized by Audisankara College of Engineering & Technology, Gudur, AP. from 31.05.2020 to 31.05.2020.
  - Intelligent Machining - Coursera Online course from 04.05.2020 to 30.05.2020.
- Dr. M. Balaji, Associate Professor**
- Webinar on electric vehicles -What's/if's/but's from 09.05.2020 to 09.05.2020.
  - COVID 19 Pandemic-Strategies for effective work life balance for of academicians from 04.05.2020 to 08.05.2020.



## DEPARTMENTAL ACTIVITIES

- Six Sigma Principles-Coursera on 01.05.2020.
- Six sigma tools for Design and Measure-Coursera on 03.05.2020.
- Six sigma tools for Analyze-Coursera from on 07.05.2020.
- Six sigma tools for Implement and Control – on 10.05.2020.
- Six sigma and the Organization(adv)-Coursera on 13.05.2020.
- Six sigma (adv) Design and Measure phases-Coursera from on 16.05.2020.
- Six sigma(adv) Analyze phase - Coursera from on 19.05.2020.
- Six sigma(adv) Implementation and Control phases - Coursera on 22.05.2020.
- Positioning: What you need for a successful marketing strategy-Coursera on 25.05.2020.
- Marketing Mix fundamentals-Coursera on 28.05.2020.
- Webinar on Artificial Intelligence using Matlab from 19.05.2020 to 20.05.2020.

### Dr. N. Sangeetha, Sr. Associate Professor

- Webinar on “COVID-19 and its Impact on STUDY ABROAD” from 11.05.2020 to 11.05.2020.
- Programming for Everybody (Getting Started with Python) from 01.05.2020 to 30.05.2020.
- Training program on FE simulation using Abaqus from 28.04.2020 to 29.05.2020.
- WEBINAR SERIES ON DIGITAL TECHNOLOGIES from 25.05.2020 to 29.05.2020.
- Practical Finite Element Analysis on 22.05.2020
- UNLOCKING THE FUTURE POTENTIAL IN ENGINEERS from 21.05.2020 to 26.05.2020.

### Dr. P. S. Samuel Ratna Kumar, Assistant Professor

- Journal Citation Reports: South Asia Certification - Part-1&2 webinar, organized by Web of Science Group (clarivate analytics) and obtained 75% cutoff in the Quiz conducted by WoS. from 12.05.2020 to 15.05.2020.
- Effective Mentoring Webinar by KCT from 18.05.2020 to 23.05.2020.
- SSEM WEBINAR SERIES ON E-MOBILITY LEAP FORWARD organized by Society of Smart e-Mobility, KCT & BIT, sathy from 23.05.2020 to 24.05.2020.
- BW Education and Primus Partners Present Wednesday Wisdom - "University of The Future" in Association with BW Businessworld and University Grant Commission (UGC) from 27.05.2020 to 27.05.2020.
- "Digital Manufacturing" webinar Organized by Department of Mechanical Engineering, TCE - Madurai. from 27.05.2020 to 27.05.2020.
- “Turn the Challenges to Opportunities: COVID-19 Pandemics and measures to combat by Higher Education of India” organized by NAAC from 28.05.2020 to 28.05.2020.
- Methods of Surface Analysis from 01.05.2020 to 30.05.2020.

### Dr. R. Manivel, Professor

- Webinar on Recent Advancements in Heat Transfer Aeronautical Engineering, KCT and Combustion Research Valles Marineris International, Chennai from 06.05.2020 to 06.05.2020.

## DEPARTMENTAL ACTIVITIES

- Electric Vehicles , What's If's But's Mechanical Engineering , KCT and AMZ from 09.05.2020 to 09.05.2020.
- Disruptive Innovations in Education organised by KCLAS from 07.05.2020 to 07.05.2021.
- Game changing Digital Transformation by KCLAS from 08.05.2020 to 08.05.2021.
- Future of International Education by KCLAS from 09.05.2020 to 09.05.2021.
- India emerging as a stronger economy by KCLAS from 10.05.2020 to 10.05.2021.
- Infusion of Technology in Academia by KCLAS from 11.05.2020 to 11.05.2021.
- Next Wave of Innovation by KCLAS from 12.05.2020 to 12.05.2021.
- Study in USA by KCLAS from 26.05.2020 to 26.05.2020.
- Between a Rock and a Hard Place: Climate Change & COVID 19, New Delhi from 14.05.2020 to 14.05.2020.
- Basics of Patent Drafting Claims, Turnip Innovators, Mumbai from 31.05.2020 to 31.05.2020.
- Webinar series on Effective Mentoring-Values and social intelligence for a successful life from 21.05.2020 to 21.05.2020.
- Webinar series on Effective Mentoring - Communicating effectively with adolescent students from 22.05.2020 to 22.05.2020.
- Webinar series on Effective Mentoring - How to build healthy relationships from 23.05.2020 to 23.05.2020.
- Course era on Engineering accounting

### Dr. S. Sivakumar, Assistant Professor - III

- Webinar Program on Unlocking the Future Potential in Engineers Organized by Department of Mathematics (S & H), Mechanical and Automobile Engineering , KCT. from 21.05.2020 to 26.05.2020.
- Webinar on "Fundamental of Li-ion Battery and Electric vehicles and Academic publications" on 14/5/2020 at SNS College of Technology, Coimbatore. from 14.05.2020 to 14.05.2020.
- International Webinar on " Computational modelling in FSI (Fluid structure interaction" on 18/5/2020 at Mohamed Sathak college of Engineering and Technology, Chennai.

### Dr. S. Balaji, Assistant Professor

- Webinar series on Effective Mentoring-Case studies on building trust from 18.05.2020 to 18.05.2020.
- Webinar series on Effective Mentoring-Boundaries of Relationship from 19.05.2020 to 16.05.2020.
- Webinar series on Effective Mentoring- Time: Precious resource from 20.05.2020 to 20.05.2020.

### Dr. S. Thirumurugaveerakumar, Associate Professor

- Webinar on Unlocking the Future potential in Engineers from 21.05.2020 to 26.05.2005.
- NEW PRODUCT DEVELOPMENT PROCESS from 13.05.2020 to 15.05.2020.
- Introduction to Automotive Noise, Vibration & Harshness (NVH) from 14.05.2020 to 14.05.2020.

## DEPARTMENTAL ACTIVITIES

- Webinar series on Plasma processing of Materials for various Engineering Applications from 28.05.2020 to 29.05.2020.
- MHRD's Innovation Cell - Online Session from 05.01.2020 to 30.05.2020.

### Dr. V. Muthukumaran, Professor

- Learning How to Learn: Powerful mental tools to help you master tough subjects from 01.05.2020 to 24.05.2020.
- The New World Order -Conversation on Disruptive Innovations in Education from 07.05.2020 to 07.05.2020.
- The New World Order -Conversation on Game changing Digital Transformation from 08.05.2020 to 08.05.2020.
- Welding Technology and the role of International Certification of Manufacturers for enhancing Export Competitiveness from 09.05.2020 to 09.05.2020.
- The New World Order -Conversation on Future of International Education from 09.05.2020 to 09.05.2020.
- The New World Order -Conversation on India Emerging as a Stronger Economy from 10.05.2020 to 10.05.2020.
- The New World Order -Conversation on Next Wave of Innovation from 12.05.2020 to 12.05.2020.
- "Between a Rock and a Hard Place: Climate Change & COVID 19 from 14.05.2020 to 14.05.2020.
- Impact of CORONA VIRUS on Higher Educational Institutes - Challenges & Way Forward from 15.05.2020 to 15.05.2020.

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- Research Opportunities in COVID 19 Pandemic from 16.05.2020 to 16.05.2020.
- Webinar series on Effective Mentoring-Case studies on building trust from 18.05.2020 to 18.05.2020.
- Webinar series on Effective Mentoring-Boundaries of Relationship from 19.05.2020 to 16.05.2020.
- Webinar series on Effective Mentoring- Time: Precious resource from 20.05.2020 to 20.05.2020.
- Webinar series on Effective Mentoring-Values and social intelligence for a successful life from 21.05.2020 to 21.05.2020.
- Webinar series on Effective Mentoring - Communicating effectively with adolescent students from 22.05.2020 to 22.05.2020.
- Webinar series on Effective Mentoring - How to build healthy relationships from 23.05.2020 to 23.05.2020.
- Experiential Learning Using Ultra Concurrent Remote Laboratory from 29.05.2020 to 29.05.2020.

### Mr. K. Krishnamoorthi, Assistant Professor - II

- Material Behaviour - 6 weeks course on Coursera completed on 11.05.2020. from 11.05.2020 to 11.05.2020.
- Quantum Mechanics -3 weeks course on courser completed on 16.05.2020 from 16.05.2020 to 16.05.2020.
- Online Quiz on "AUTO QUIZ 2020" organized by SRM.2020 from 13.05.2020 to 13.05.2020.

## DEPARTMENTAL ACTIVITIES

- National webinar on "Challenges and Prospects in Higher Education in Global Pandemic" organised by Bareilly college, UP, India on 10.05.2020. from 10.05.2020 to 10.05.2020.
- Received excellent performance certificate on "Fundamental of Nano Science" organized by Thiru Kalanjiappar Government Arts College . from 13.05.2020 to 13.05.2020.
- 5 days online FDP on " Statistical Mechanics" conducted by PSG R Krishnammal College, Coimbatore 25.09.2020 to 29.05.2020. from 25.05.2020 to 29.05.2020.
- "Webinar on Advanced Materials: Webinar Series – II, Vels Institute of Science, Technology & Advanced Studies from 28.05.2020 to 30.05.2020."
- Participated in the webinar on " Psychological Strategies to Overcome COVID-19"" , organised by SRM Institute of Science & Technology from 15.01.1900 to 15.05.2020."
- Participated in the webinar on "unlocking the future potentials in engineers" organised by KCT from 21.05.2020 to 26.05.2020.
- Webinar-Electric vehicles-ifs and buts-KCT-MECH DEPT from 09.05.2020 to 09.05.2020.
- Nutritional Aids on COVID-19 Pandemic from 11.05.2020 to 14.05.2020.
- "Energy Efficiency in Lighting Management". ISHRAE Coimbatore Chapter from 28.05.2020 to 28.05.2020.
- Webinar on "Operations Research in Service Industries" from 30.05.2020 to 30.05.2020.
- Training Program on FE Simulayion using Abaqus from 28.05.2020 to 29.05.2020.
- "WEBINAR SERIES ON DIGITAL TECHNOLOGIES" from 27.05.2020 to 29.05.2020.

### Mr. T. Karuppusamy, Assistant Professor – II

### Dr. K. M. Senthilkumar, Associate Professor

- Webinar on " Incremental Sheet Metal Forming" from 27.05.2020 to 27.05.2020.
- Webinar on "Real time case studies in Robotics-A Research Perspective" from 13.05.2020 to 16.05.2020.
- FDP on "ICT to ICT" from 01.05.2020 to 01.05.2020.
- Online Faculty Development Programme on the course of "Concept of Thermodynamics, Fluid mechanics and Dynamics for Mechanical Engineers" from 11.05.2020 to 15.05.2020.
- International E-Conference on "Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World" organized by Government Vidarbha Institute of Science & Humanities, Amravati, India from 15.05.2020 to 17.05.2020.
- Webinar on Unlocking the future potential in Engineers organized by Kumaraguru college of technology from 21.05.2020 to 26.05.2020.
- Webinar on electric vehicles organized by Kumaraguru college of technology from 09.05.2020 to 09.05.2020.
- Webinar on automotive NVH organized by Kumaraguru college of technology from 14.05.2020 to 14.05.2020.



## DEPARTMENTAL ACTIVITIES

- Webinar on effective mentoring organized by Kumaraguru college of technology from 14.05.2020 to 14.05.2020.
- Webinar on insight to Industry 4.0 organized by S.A college of technology from 29.05.2020 to 29.05.2020.
- Training program on FE simulation using ABAQUS organized by Kumaraguru college of technology from 29.05.2020 to 30.05.2020.
- MHRD-IIC-ONLINE SESSION - Understanding Angel and Venture Capital Funding from 08.05.2020 to 08.05.2020.
- MHRD-IIC-ONLINE SESSION - Productive Entrepreneurship and Startup from 12.05.2020 to 12.05.2020.
- MHRD-IIC-ONLINE SESSION -Entrepreneurship Development: Innovating Self- Screen and Identify right opportunities from 13.05.2020 to 13.05.2020.

### Mr. K. Manikanda Prasath, Assistant Professor

- A One day Workshop on "Mathematical Model for Mechanical Response of Nonlinear Elastic Materials" from 31.05.2020 to 31.05.2020.
- KLDA - Research Opportunities in COVID 19 Pandemic from 16.05.2020 to 16.05.2020.
- MHRD-IIC-ONLINE SESSION-Role of Network Enablers in driving I&E in HEIs - A Case of TiE, India from 01.05.2020 to 01.05.2020.
- "MHRD-IIC-ONLINE SESSION-Hangout with Successful Startup Founder, from 04.05.2020 to 04.05.2020."
- "MHRD-IIC-ONLINE SESSION-Entrepreneurship, Business Idea and Business Model Canvas (by EDII) from 05.05.2020 to 05.05.2020."
- "MHRD-IIC-ONLINE SESSION-The Double Diamond Process: Entrepreneurship, Business Idea, and Business Model Canvas: from 06.05.2020 to 06.05.2020."
- MHRD-IIC-ONLINE SESSION - Intellectual Property (IP) Management at Early Stage of Innovation and Start-ups from 07.05.2020 to 07.05.2020.
- MHRD-IIC-ONLINE SESSION -Understanding Role and Application of Marketing Research at Idea to Start-Up Stage from 14.05.2020 to 14.05.2020.
- MHRD-IIC-ONLINE SESSION - Innovation Risk Diagnostic: Product Innovation Rubric (PIR) from 15.05.2020 to 15.05.2020.
- "MHRD-IIC-ONLINE SESSION - Idea, business model and business plan from 19.05.2020 to 19.05.2020."
- MHRD-IIC-ONLINE SESSION-Use of Market Data and Application of Marketing Research Tools and Methodology from 20.05.2020 to 20.05.2020.
- MHRD-IIC-ONLINE SESSION - Frugal Innovation and Social Entrepreneurship: from 21.05.2020 to 21.05.2020.
- MHRD-IIC-ONLINE SESSION - Interaction with Student Innovators and Entrepreneurs Emerged from Smart India Hackathon (SIH) from 22.05.2020 to 22.05.2020.
- Coursera Table fundamental Software.
- Coursera Table advanced Software.

## DEPARTMENTAL ACTIVITIES

### Mr. B. Jeeva, Assistant Professor

- MHRD and AICTE sponsored Institute Innovation Council (IIC) online sessions - 17 sessions from 28.04.2020 to 22.05.2020.
- Webinar on Electric Vehicles- What's, If's But's" from 09.05.2020 to 09.05.2020.
- online seminar on Basics, Instrumentation of Gas chromatography and its Industry Application from 11.05.2020 to 11.05.2020.
- Webinar on "Research Opportunities in COVID 19 Pandemic" from 16.05.2020 to 16.05.2020.
- Online training programme on "Mentor Development" organized by Kumaraguru Leadership Development Academy, KCT from 18.05.2020 to 23.05.2020.

### Mr. V. R. Navaneeth, Assistant Professor

- Webinar on Fourth industrial revolution and The Paradigm shift in Manufacturing from 08.05.2020 to 08.05.2020.
- Webinar on KCLAS,-Disruptive Innovations in Education" from 07.05.2020 to 07.05.2020.
- webinar on "ICT for Sustainable world" from 08.05.2020 to 08.05.2020.
- webinar on "Electric Vehicles – What's, If's, But's!" from 05.09.2020 to 05.09.2020.
- Webinar on Real Life Applications of Mechatronics- from 05.09.2020 to 05.09.2020.
- Webinar on webinar on "India Emerging as a Stronger Economy" from 10.05.2020 to 10.05.2020.
- Webinar on "Infusion of Technology in Academia" from 11.05.2020 to 11.05.2020.

- Webinar on RE-START Reboot the Economy through Science, Technology And Research Translations from 11.05.2020 to 11.05.2020.
- Four day - online Faculty Development Program on "Research Attributes and Funding" - 13th to 16th May 2020 from 13.05.2020 to 16.05.2020.
- Webinar on "Next Wave of Innovation" from 12.05.2020 to 12.05.2020.
- Webinar on How the teachers should be ready to handle post pandemic challenges from 12.05.2020 to 12.05.2020.
- FDP on Novel Materials and Its Industrial Applications: from 13.05.2020 to 18.05.2020.
- Webinar on "IFEES GEDC IUCEE Webinar: Online Teaching: Challenge, Technique, and Opportunity". from 13.05.2020 to 13.05.2020.
- Webinar on Kick Start Your Artificial Intelligence Emerged Fourth Industrial Revolution from 15.05.2020 to 15.05.2020.
- actively participated in the ONLINE QUIZ ON "INDUSTRY 4.0 FUNDAMENTALS (I4F)". from 25.05.2020 to 25.05.2020.
- WEBINAR SERIES ON DIGITAL TECHNOLOGIES by KCIRI and Nuvalla from 25 to 29 may 2020 to 25 to 29 may 2020.
- Webinar "Bring Out the Real You in You: Now or Never" from 26.01.1900 to 26.01.1900.
- Webinar on "Opportunities and Challenges on Hydrogen Energy and Fuel Cell Technologies" on 26.05.2020 from 26.05.2020 to 26.05.2020.
- One Week Faculty Development Program on "ADVANCED NDT TECHNIQUES & APPLICATIONS IN INDUSTRY" from 25.05.2020 to 29.05.2020.

## DEPARTMENTAL ACTIVITIES

- Five Days online FDP on "Renewable Energy Technologies, Integration to the power Grid and e-Vehicle" from 28.05.2020 to 01.06.2020.
  - webinar on "NON LINEAR ANALYSIS USING ABAQUS". from 28.05.2020 to 29.05.2020.
  - Webinar on "FUTURE WORLD: INTERNET OF THINGS" from 29.05.2020 to 29.05.2020.
  - webinar on "Developing MATLAB & SIMULINK Model". from 29.05.2020 to 29.05.2020.
  - "International Webinar on Project proposal Writing". from 29.05.2020 to 29.05.2020.
  - "Webinar on Robust Engineering using TAGUCHI method " from 29.05.2020 to 29.05.2020.
  - Webinar on "MODEL ANALYSIS IN FLUID MECHANICS" from 29.05.2020 to 29.05.2020.
  - webinar on OPPORTUNITIES FOR RESEARCH WITH DRDO from 29.05.2020 to 29.05.2020.
  - Webinar series on "Plasma processing of Materials for various engineering applications". from 29.05.2020 to 30.05.2020.
  - Webinar on "NOx and PM Emissions - Formation and Control" from 28.05.2020 to 28.05.2020.
  - "NON LINEAR ANALYSIS USING ABAQUS" from 29.05.2020 to 30.05.2020.
  - Webinar :: Recent Trends in IC Engines from 29.05.2020 to 29.05.2020.
  - webinar on "Grant and Research proposal Writing" from 20.05.2020 to 20.05.2020.
  - Webinar on APPLICATIONS OF OPERATIONS RESEARCH IN SERVICE INDUSTRIES from 30.05.2020 to 30.05.2020.
  - "One-day webinar on "Kick start your Research work"". from 30.05.2020 to 30.05.2020.
  - Two Day Hands on Training on Technology Assisted Teaching Tools : Through on-line mode from 29.05.2020 to 30.05.2020.
  - Webinar on "Art of Journal Writing" from 30.05.2020 to 30.05.2020.
  - Webinar on "ADDITIVE MANUFACTURING & ITS APPLICATIONS " from 30.05.2020 to 30.05.2020.
  - webinar on "NICHE AREAS TO FOCUS IN MECHANICAL ENGINEERING" from 30.05.2020 to 30.05.2020.
  - FDP on Statistical Mechanics from 25.05.2020 to 29.05.2020.
- Mr. M. A. Vinayagamoorthis, Assistant Professor – II
- Coursera - Material Behaviour from 22.04.2020 to 04.05.2020.
  - Webinar on Electric Vehicles – What's, If's, But's!.. from 09.05.2020 to 09.05.2020.
  - Coursera - Prototyping and Design from 11.05.2020 to 21.05.2020.
  - KCIRI New Product Development Webinar Series from 13.05.2020 to 15.05.2020.
  - "UBA WEBINAR on Farm Machinery and Renewable
  - Energy Engineering Technologies for Rural Development. from 13.05.2020 to 15.05.2020."
  - 13th e-session: e-Assessment & e-Feedback for Entrepreneurship Development: Innovation Risk Diagnostic: Product Innovation Rubric (PIR) from 15.05.2020 to 15.05.2020.

## DEPARTMENTAL ACTIVITIES

- KLDA - Research Opportunities in COVID 19 Pandemic from 16.05.2020 to 16.05.2020.
- 14th e-session: e-Assessment & e-Feedback for Entrepreneurship Development: Idea, Business Model and Business Plan from 19.05.2020 to 19.05.2020.
- 15th e-session: e-Assessment & e-Feedback for Entrepreneurship Development: Use of Market Data and Application of Marketing Research Tools and Methodology - Advance Level from 20.05.2020 to 20.05.2020.
- 17th e-session: e-Assessment & e-Feedback for Entrepreneurship Development: Interaction with Student Innovators and Entrepreneurs Emerged from Smart India Hackathon (SIH) from 22.05.2020 to 22.05.2020.
- "Effective Mentoring Webinar Series - 2" from 19.05.2020 to 19.05.2020.
- "Effective Mentoring Webinar Series - 3" from 20.05.2020 to 20.05.2020.
- "Effective Mentoring Webinar Series - 4" from 21.05.2020 to 21.05.2020.
- "UNLOCKING THE FUTURE POTENTIAL IN ENGINEERS" from 21.05.2020 to 26.05.2020.
- "IUCEE Virtual Academy: ""Experiential Learning Using Ultra Concurrent Remote Laboratory" from 29.05.2020 to 29.05.2020.
- Webinar on "Emerging Trends in Industry Automation from 01.05.2020 to 01.05.2020.
- Webinar on Analysis of steering knuckle for VAVE. from 02.05.2020 to 02.05.2020.
- Latest Generation of Welding Process/Technologies and Career Opportunities -KCT from 05.05.2020 to 05.05.2020.
- Webinar on Artificial Intelligence from 06.05.2020 to 06.05.2020.
- Disruptive Innovation in Education, The New World Order series organized by Kumaraguru College of Liberal Arts and Science, Coimbatore. from 07.05.2020 to 07.05.2020.
- Webinar on Fourth Industrial Revolution & The Paradigm Shift in Manufacturing, KIT, Cbe from 08.05.2020 to 08.05.2020.
- Webinar on electric vehicles organized by Kumaraguru college of technology from 09.05.2020 to 09.05.2020.
- NAFEMS Webinar on Process simulation, optimisation and additive manufacturing for reengineering of automotive modules from 11.05.2020 to 11.05.2020.
- FDP - Evolution of Teaching-Learning process - post COVID 19 from 11.05.2020 to 15.05.2020.
- KCIRI - NEW PRODUCT DEVELOPMENT PROCESS from 13.05.2020 to 15.05.2020.
- "Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading - - Course Era from 21.04.2020 to 13.05.2020."
- Applied Materials India Webinar on Technologies Solutions for COVID Warriors from 14.05.2020 to 14.05.2020.
- Workshop on Fuzzy Logic and Neural Network Approaches for Engineering Solutions from 01.05.2020 to 02.05.2020.

Mr. M. Thirumalaimuthukumaran, Assistant Professor  
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## DEPARTMENTAL ACTIVITIES

- Webinar on FE Simulation of Laser Welding Process Organized by Dept. of Mech Engg. , KIT,CBE from 16.05.2020 to 16.05.2020.
- CII Webinar on Intersection of Artificial Intelligence (AI) and Healthcare from 20.05.2020 to 20.05.2020.
- Science of Web and End Note workshop by guru nanak dev university amritsar from 20.05.2020 to 20.05.2020.
- "CII – CSIR – Central Mechanical Engineering Research Institute
- Webinar on Solid Waste Management from 20.05.2020 to 20.05.2020."
- ICT Academy Skycampus Digital Knowledge Series 2020 - Super Session, focused on PERSONAL FINANCIAL MANAGEMENT from 20.05.2020 to 20.05.2020.
- Mechanics of Materials II: Thin-Walled Pressure - Course Era from 30.04.2020 to 21.05.2020.
- Vessels and Torsion from 22.05.2020 to 28.05.2020.
- Elsevier - Why you can't afford to ignore publication ethics from 26.05.2020 to 26.05.2020.
- Web seminar: "Digital Solutions for Manufacturers" in Post Covid-19 World from 29.05.2020 to 29.05.2020.
- Webinar on insight to Industry 4.0 organized by S.A college of technology from 29.05.2020 to 29.05.2020.
- Webinar on Applications of Operations Research in Service Industries Organized by Sathyabama Institute of Science and Technology, Chennai. from 30.05.2020 to 30.05.2020.
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### Mr. P. Pradeep, Assistant Professor

- KLDA- WEBINAR-Research opportunities in COVID-19 Pandemic from 16.05.2020 to 16.05.2020.
- participated in the webinar on "unlocking the future potentials in engineers" organised by KCT from 21.05.2020 to 26.05.2020.
- Webinar series on Effective Mentoring-Case studies on building trust from 18.05.2020 to 18.05.2020.
- Webinar series on Effective Mentoring-Boundaries of Relationship from 19.05.2020 to 16.05.2020.
- Webinar series on Effective Mentoring- Time: Precious resource from 20.05.2020 to 20.05.2020.
- Webinar series on Effective Mentoring-Values and social intelligence for a successful life from 21.05.2020 to 21.05.2020.
- Webinar series on Effective Mentoring - Communicating effectively with adolescent students from 22.05.2020 to 22.05.2020.
- Webinar series on Effective Mentoring - How to build healthy relationships from 23.05.2020 to 23.05.2020.
- Course era on Engineering accounting from 00.01.1900 to 00.01.1900.
- "NON LINEAR ANALYSIS USING ABAQUS" from 29.05.2020 to 30.05.2020.
- Webinar :: Recent Trends in IC Engines from 29.05.2020 to 29.05.2020.
- Webinar on "Grant and Research proposal Writing" from 20.05.2020 to 20.05.2020.

## DEPARTMENTAL ACTIVITIES

- Webinar on Introduction to Automotive Noise, Vibration & Harshness (NVH) Organized by Dept. Mech. Engg, KCT from 14.05.2020 to 14.05.2020.

**Mr. R. S. Mohankumar, Assistant Professor**

- UNLOCKING THE FUTURE POTENTIAL IN ENGINEERS from 21.05.2020 to 26.05.2020.
- Effective Mentoring Webinar by KCT from 18.05.2020 to 23.05.2020.
- FDP on Statistical Mechanics from 25.05.2020 to 29.05.2020.
- Webinar on New Product Development process from 13.05.2020 to 15.05.2020.
- FUNCTIONAL NOVEL MATERIALS FOR ELECTROCHEMICAL SENSORS AND ENERGY STORAGE DEVICES from 15.05.2020 to 15.05.2020.
- QUANTUM MECHANICS from 01.05.2020 to 29.05.2020.
- Webinar on "Psychological Strategies to Overcome COVID-19", from 15.05.2020 to 15.05.2020.
- Research and Funding schemes - An Online Quiz from 14.05.2020 to 14.05.2020.
- "National Webinar on "Challenges and Prospects in Higher Education in Global Pandemic" from 10.05.2020 to 10.05.2020."
- A One day Workshop on "Mathematical Model for Mechanical Response of Nonlinear Elastic Materials" from 31.05.2020 to 31.05.2020.
- "Webinar on Advanced Materials : Webinar Series – II from 28.05.2020 to 30.05.2020."

**Mr. S. Prabhu (Jr), Assistant Professor**

- Webinar series on Effective Mentoring-Case studies on building trust from 18.05.2020 to 18.05.2020.
- Webinar series on Effective Mentoring-Boundaries of Relationship from 19.05.2020 to 16.05.2020.
- Webinar series on Effective Mentoring- Time: Precious resource from 20.05.2020 to 20.05.2020.
- Webinar series on Effective Mentoring-Values and social intelligence for a successful life from 21.05.2020 to 21.05.2020.
- Webinar series on Effective Mentoring - Communicating effectively with adolescent students from 22.05.2020 to 22.05.2020.
- Webinar series on Effective Mentoring - How to build healthy relationships from 23.05.2020 to 23.05.2020.

**Mr. S. Sivakumar, Assistant Professor - II**

- Introduction to Solar Cells from 01.05.2020 to 30.05.2020.
- UNLOCKING THE FUTURE POTENTIAL IN ENGINEERS from 21.05.2020 to 26.05.2020.
- KLDA- WEBINAR-Research opportunities in COVID-19 Pandemic from 16.05.2020 to 16.05.2020.
- UBA Webinar series- Agricultural machinery for rainfed and Garden land cultivation, Agricultural Machinery for wet land cultivation from 13.05.2020 to 13.05.2020.

## DEPARTMENTAL ACTIVITIES

- UBA Webinar series- Biogas Technology, Application of solar Energy in Agriculture from 14.05.2020 to 14.05.2020.
- UBA Webinar Series - Thermochemical conversion of Biomass, Thermochemical Conversion of Biomass from 15.05.2020 to 15.05.2020.
- Effective Mentoring Webinar by KCT from 18.05.2020 to 23.05.2020.
- MHRD-IIC-ONLINE SESSION-Role of Network Enablers in driving I&E in HEIs - A Case of TIE, India from 01.05.2020 to 01.05.2020.
- "MHRD-IIC-ONLINE SESSION-Hangout with Successful Startup Founder from 04.05.2020 to 04.05.2020."
- "MHRD-IIC-ONLINE SESSION-Entrepreneurship, Business Idea and Business Model Canvas (by EDII) from 05.05.2020 to 05.05.2020."
- "MHRD-IIC-ONLINE SESSION-The Double Diamond Process: Entrepreneurship, Business Idea, and Business Model Canvas: from 06.05.2020 to 06.05.2020."
- MHRD-IIC-ONLINE SESSION - Intellectual Property (IP) Management at Early Stage of Innovation and Start-ups from 07.05.2020 to 07.05.2020.
- MHRD-IIC-ONLINE SESSION - Understanding Angel and Venture Capital Funding from 08.05.2020 to 08.05.2020.
- MHRD-IIC-ONLINE SESSION - Productive Entrepreneurship and Startup from 12.05.2020 to 12.05.2020.
- MHRD-IIC-ONLINE SESSION -Entrepreneurship Development: Innovating Self- Screen and Identify right opportunities from 13.05.2020 to 13.05.2020.
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- MHRD-IIC-ONLINE SESSION -Understanding Role and Application of Marketing Research at Idea to Start-Up Stage from 14.05.2020 to 14.05.2020.
- MHRD-IIC-ONLINE SESSION - Innovation Risk Diagnostic: Product Innovation Rubric (PIR) from 15.05.2020 to 15.05.2020.
- "MHRD-IIC-ONLINE SESSION - Idea, business model and business plan from 19.05.2020 to 19.05.2020."
- MHRD-IIC-ONLINE SESSION-Use of Market Data and Application of Marketing Research Tools and Methodology from 20.05.2020 to 20.05.2020.
- MHRD-IIC-ONLINE SESSION - Frugal Innovation and Social Entrepreneurship: from 21.05.2020 to 21.05.2020.
- MHRD-IIC-ONLINE SESSION - Interaction with Student Innovators and Entrepreneurs Emerged from Smart India Hackathon (SIH) from 22.05.2020 to 22.05.2020.
- "Between a Rock and a Hard Place: Climate Change & COVID 19 by KCT- Ananta Aspen Centre from 14.05.2020 to 14.05.2020.
- Trade Prospects in next five years from 12.05.2020 to 12.05.2020.

Mr. S. Suresh, Assistant Professor

- Webinar on Unlocking the future potential in Engineers organized by Kumaraguru college of technology from 21.05.20 to 26.05.20.
- Webinar on electric vehicles organized by Kumaraguru college of technology from 09.05.20 to 09.05.20.
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## DEPARTMENTAL ACTIVITIES

- Webinar on automotive NVH organized by Kumaraguru college of technology from 14.05.20 to 14.05.20.
- Webinar on effective mentoring organized by Kumaraguru college of technology from 18.05.20 to 23.05.20.
- Webinar on Challenges & solutions for online Examination conduction by mUNI CAMPUS from 23.05.20 to 23`05`20.
- Webinar on Motor sport Engineering from 21.05.20 to 21.05.20.
- Webinar on Learning Management Systems from 19.05.20 to 19.05.20.
- Webinar session on Infusion of Technology in Academia on May 11, 2020 from 11.05.2020 to 11.05.2020.
- The New World Order -Conversation on India Emerging as a Stronger Economy from 12.05.2020 to 12.05.2020.
- The New World Order -Conversation on Next Wave of Innovation from 10.05.2020 to 10.05.2020.
- Webinar on "COVID-19 and its Impact on STUDY ABROAD" from 11.05.2020 to 11.05.2020.
- Webinar on "Research, workflows, Research metrices & excellence in Academic Institutes by Elsevier & AICTE from 12.05.2020 to 12.05.2020.
- Webinar on Digital Technologies from 29.05.20 to 29.05.20.
- Webinar on Latest Generation of Welding Process/Technologies from 05.05.2020 to 05.05.2020.
- Webinar series on Plasma processing of Materials for various engineering applications from 29.05.20 to 29.05.20.
- Webinar on Why do education institutes need unified digital infra from 22.05.20 to 22.05.20.
- webinar on managing placement & internship challenges from 20.05.20 to 20.05.20.
- E quiz on Computer fundamentals by The Hertz journal of Engineering from 31.05.2020 to 31.05.2020.
- Online FDP on Sustainable Materials & Manufacturing organized by Kamaraj college of Engineering & Technology from 13.05.2020 to 16.05.2020.
- Short term course on Recent trends in Engineering & Technology organized by Cheran college of Engineering from 22.05.2020 to 24.05.2020.
- Faculty Awareness Programme on NBA to keep in touch with NBA Accreditation" organised by Internal Quality Assurance Cell(IQAC),PACE Institute of Technology and Sciences, Ongole from 16.05.2020 to 16.05.2020.
- power seminar webinar on the theme Job Skills to Succeed in a Post Pandemic World Conducted by ICT Academy from 04.05.2020 to 04.05.2020.
- Online Quiz on Fundamentals of Electronics organized by Nadiampalli satyanarayana institute of Technology in association with MHRDs Innovation cell from 28.05.2020 to 28.05.2020.

Mr. P. Prashanth, Assistant Professor

- Introduction to basic of vibrations from 4//5/2020 to 4//5/2020.
- IoT based Vehicle Vibration Prediction using RNN from 21.05.2020 to 21.05.2021.



## DEPARTMENTAL ACTIVITIES

- Webinar 'Introduction to Automotive Noise, Vibration & Harshness (NVH)' from 14.05.2020 to 14.05.2020.
- Effective Mentoring Webinar Series from 19.05.2020 to 23.05.2020.

### Dr. S. Balasubramanian, Associate Professor

- Webinar - Messer cut - Cost Saving Measures in Thermal Cutting & Welding from 05.01.2020 to 05.01.2020.
- Coursera -Material Behaviour from 05.04.2020 to 05.04.2020.
- MHRD - IIC WEBINAR -How to Identify Right Problem and Solution using the Double Diamond Approach in Design from 05.06.2020 to 05.06.2020.
- MHRD - IIC WEBINAR -Intellectual Property (IP) Management at Early Stage of Innovation and Start-ups from 05.07.2020 to 05.07.2020.
- MHRD IIC WEBINAR -Electric Vehicle from 05.09.2020 to 05.09.2020.
- "UBA Webinar- Agri -Agricultural Machinery for Rainfed and garden land cultivation and Agricultural Machinery for wet from 13.05.2020 to 13.05.2020."
- KCIRI-Technical Wbinar sries - New Product Development from 13.05.2020 to 13.05.2020.
- "UBA Webinar- Agri -Biogas Technology&Application of Solar Energy in Agriculture from 14.05.2020 to 14.05.2020."
- KCIRI-Technical Webinar series - New Product Development from 14.05.2020 to 14.05.2020.
- MHRD - IIC WEBINAR -Session 13: Innovation Risk Diagnostic – Product Innovation Rubric (PIR) from 15.05.2020 to 15.05.2020.
- "KLDA - Research opportunities in COVID19 PANDEMIC from 16.05.2020 to 16.05.2020."
- "Effective Mentoring Webinar Series - 2" from 19.05.2020 to 19.05.2020.
- "Effective Mentoring Webinar Series - 3" from 20.05.2020 to 20.05.2020.
- "Effective Mentoring Webinar Series - 4" from 21.05.2020 to 21.05.2020.
- "MHRD - IIC WEBINAR - Session 14: Ideation, Entrepreneurship, Business model from 19.05.2020 to 19.05.2020."
- "MHRD - IIC WEBINAR - Session 15: Use of Market Data, Application of Marketing Research Tools & Methodology -Advance Level from 20.05.2020 to 20.05.2020.
- "MHRD - IIC WEBINAR - Session 16: Frugal Innovations and Social Entrepreneurship from 21.05.2020 to 21.05.2020."
- "KCT 5 Days Webinar - Project life cycle mgt-SREC – Murugaraj from 21.05.2020 to 21.05.2020."
- KCT 5 Days Webinar - 3d printing- - Mohankumar - Additively Ltd from 22.05.2020 to 22.05.2020.
- "MHRD - IIC WEBINAR - Session 17: Interaction with Student Innovators and Entrepreneurs from Smart India Hackathon from 22.05.2020 to 22.05.2020."
- "KCT 5 Days Webinar - Future of Mobility Engineering from 23.05.2020 to 23.05.2020."
- "KCT 5 Days Webinar - Sat Engineering from 25.05.2020 to 25.05.2020."

## DEPARTMENTAL ACTIVITIES

- "KCT 5 Days Webinar - Engineering and Engg Skills from 26.05.2020 to 26.05.2020."

### Mr. S. Ramanathan, Assistant Professor - II

- Statistical Mechanics from 25.05.2020 to 29.05.2020.
- Novel Material and its industrial Applications from 13.05.2020 to 18.05.2020.

### Dr. P. Sathyabalan, Professor

- Coursera course ' Introduction to Engineering Mechanics - 15.05.2020.
- Webinar 'Introduction to Automotive Noise, Vibration & Harshness (NVH)' from 14.05.2020 to 14.05.2020.
- Webinar on "Research Opportunities in COVID 19 Pandemic" from 16.05.2020 to 16.05.2020.

### Mr. B. N. Sreeharan, Assistant Professor – II

- Emerging Trends on Industry Automation, Sri Eshwar College of Engineering from 01.05.2020 to 01.05.2020.
- Design of Experiments for Practising Engineers, SKCT from 02.05.2020 to 02.05.2020.
- Scope of Electric Vehicles, Sri Eshwar College of Engineering from 03.05.2020 to 03.05.2020.
- CNC Programming, SNS College of Technology from 04.05.2020 to 04.05.2020.
- Art of Achieving Teaching Excellence in Digital Era, SIIMS from 04.05.2020 to 04.05.2020.
- Industrial Automation, Sathyabama from 07.05.2020 to 07.05.2020.
- EV – What's, If's, But's, But's – KCT from 09.05.2020 to 09.05.2020.

- How the teachers should be ready to handle post pandemic challenges, Chennai Institute of Technology from 12.05.2020 to 12.05.2020.
- How to overcome the lockdown pandemic, Chennai Institute of Technology from 13.05.2020 to 13.05.2020.
- Additive Manufacturing (3D Printing) with some Business Cases, Chennai Institute of Technology from 14.05.2020 to 14.05.2020.
- Introduction to Automotive Noise, Vibration & Harshness (NVH), KCT from 14.05.2020 to 14.05.2020.
- Personal Effectiveness – Need of the Hour, SIIMS from 14.05.2020 to 14.05.2020.
- Fundamentals of Li-Ion Battery and EV & Academic Publications, SNS College of Technology from 14.05.2020 to 14.05.2020.
- Good Teacher to Great Teacher, ICT Academy from 14.05.2020 to 14.05.2020.
- Research Publication: Skills, Ethics and Midconducts, KCT from 15.05.2020 to 15.05.2020.
- Basics of Machining, Chennai Institute of Technology from 15.05.2020 to 15.05.2020.
- Demystify the Cloud, Sri Eshwar College of Engineering from 17.05.2020 to 17.05.2020.
- AI & Machine Learning, Sri Eshwar College of Engineering from 17.05.2020 to 17.05.2020.
- Block Chain Basics, Sri Eshwar College of Engineering from 18.05.2020 to 18.05.2020.
- Global Trends & Opportunities in Transportation Industry, Karpagam College of Engineering from 19.05.2020 to 19.05.2020.

## DEPARTMENTAL ACTIVITIES

- Cliff of Iceberg – EV Market, Easwari Engineering College from 19.05.2020 to 19.05.2020.
- IOT, Mohammed Sathak Engineering College from 19.05.2020 to 19.05.2020.
- Social Network Analysis through NodeXL, Bhavan's Vivekananda College from 19.05.2020 to 19.05.2020.
- Industry 4.0, Sri Eshwar College of Engineering from 19.05.2020 to 19.05.2020.
- Research Thrust Areas in Composites, Arasu Engineering College from 20.05.2020 to 20.05.2020.
- Future of Communication Engineering, Sri Eshwar College of Engineering from 20.05.2020 to 20.05.2020.
- Virtual Reality, St. Anne's College of Engineering and Technology from 20.05.2020 to 20.05.2020.
- Unlocking the Future Potential in Engineers, KCT from 21.05.2020 to 26.05.2020.
- Applications of Codes and Standards in Mechanical Engineering, AVC College of Engineering from 21.05.2020 to 21.05.2020.
- Design The Thinking, Sri Eshwar College of Engineering from 22.05.2020 to 22.05.2020.
- Fundamentals of Product Design, Kings College of Engineering from 23.05.2020 to 23.05.2020.
- Language Essentials: Get Set for Post-Lockdown, KCT from 23.05.2020 to 23.05.2020.
- Promising perks for tomorrow's mechanical engineers, St. Peters Institute of Higher Education and Research from 23.05.2020 to 23.05.2020.
- Life Skills to Excel in Job Market, K. Ramakrishnan College of Technology from 23.05.2020 to 23.05.2020.
- Product Development, Prathyusha Engineering College from 23.05.2020 to 23.05.2020.
- Introduction to Reverse Engineering & Future Trends in Mechanical Engineering after COVID-19, Sri Ranganathar Institute of Polytechnic College from 24.05.2020 to 24.05.2020.
- Ethics and Values in Teaching and Learning, KCT from 25.05.2020 to 25.05.2020.
- Bring out the Real "YOU" in You Now or Never", SRIT from 26.05.2020 to 26.05.2020.
- Teaching ELT through Popular Cinema, KCT from 26.05.2020 to 26.05.2020.
- Introduction to DoE and Taguchi, GRT Institute of Engineering and Technology from 27.05.2020 to 27.05.2020.
- Overview of Design and development of Automotive Products, RMK College of Engineering and Technology from 28.05.2020 to 28.05.2020.
- Advanced Safety Systems in Automobile, Sri Ranganathar Institute of Polytechnic College from 29.05.2020 to 29.05.2020.
- Covid-19 Analysis using Python and Tableau, Arasu Engineering College from 29.05.2020 to 29.05.2020.
- Insights to Industry 4.0, SA Engineering College from 29.05.2020 to 29.05.2020.
- Robust Engineering using Taguchi Method, SNS College of Technology from 29.05.2020 to 29.05.2020.
- Applications of Operations Research in Service Industries, Saythabama Institute of Science and Technology from 30.05.2020 to 30.05.2020.

## DEPARTMENTAL ACTIVITIES

- INSIGHTS INTO QUALITY RESEARCH AND INNOVATION, Vivekanandha College of Engineering for Women from 13.05.2020 to 20.05.2020.
- E-Content Preparation -Finding copyright free images and sounds, Loyola College of Education, Chennai in association with Universal Teachers Academy from 13.05.2020 to 13.05.2020.
- CFD Simulation of Thermal Management of Batteries and Power Converters, Vel Tech High Tech. from 28.05.2020 to 28.05.2020.
- NEW PRODUCT DEVELOPMENT PROCESS, KCIRI from 13.05.2020 to 15.05.2020.
- NAAC Assessment and Accreditation: A Step by Step Process, GATES Institute of Technology from 28.05.2020 to 30.05.2020.
- Mathematical Model for Mechanical Response of Nonlinear Elastic Materials, AUDISANKARA GROUP OF INSTITUTIONS from 31.05.2020 to 31.05.2020.
- Fundamentals of Visualization with Tableau, UCDAVIS, COURSERA from 03.05.2020 to 03.05.2020.
- Spreadsheets for Beginners using Google Sheets, Rhyme, COURSERA from 11.05.2020 to 11.05.2020.
- Everyday Excel - Part 1, University of Colorado, COURSERA from 26.05.2020 to 26.05.2020.
- Dr. C. Velmurugan, HoD published a paper titled "Effect of laser welding process parameters on dissimilar joints of AISI 316 and nickel 201" in the Scopus and WOS Indexed International Journal 'Materials Today: Proceedings', Volume No. 22, pp. 2964-2973.
- Dr. P. S. Samuel Ratna Kumar, Assistant Professor, published a paper titled "A study on Corrosion Behavior of AA5083 – MWCNT Reinforced Composite" in the Scopus and WOS Indexed International Journal 'Materials Today: Proceedings', Volume No. 22, pp. 2725-2731.

### PAPERS REVIEWED

### PAPERS PUBLISHED

- Mr. S. Ramanathan, AP (II) published a paper titled "Numerical Investigation of Backflow in Natural Draft Chimneys" in the Scopus and WOS Indexed International Journal 'Materials Today: Proceedings'.
- Dr. C. Velmurugan, HoD reviewed a paper titled "Tribological Performance of 1.5 Wt% B4C Particulate Reinforced Al-12Si Alloy Nanocomposite Fabricated by Ultrasonic Stir Casting" for the Journal of Material Science Forum International
- Dr. P. S. Samuel Ratna Kumar, Assistant Professor reviewed a paper titled "Tribological and Mechanical behaviour of Titanium and Graphene particle incorporated AA6082-Wet condition for the Materials Research Express International (Annexure-1, SCOPUS & Web of Science Indexed)
- Mr. P. R. AYYAPPAN, AP (SRG) reviewed a paper titled "Evaluating performance and emissions of a CI engine fueled with n-octanol/diesel and n-butanol/diesel blends under different injection strategies" for the Applied Energy INTERNATIONAL-ELSEVIER.



# DEPARTMENTAL ACTIVITIES

## STUDENTS' ACTIVITIES

### PROGRAMMES ATTENDED

Following students attended a Webinar by Dassault Systemes Foundation on "To Guide Students to Select Meaningful Engineering Projects"

- Mr. M. PON HARIHARAN
- Mr. M. P. KRITIKESH
- Mr. SHARON MESHACH
- Mr. RAM KUMAR L
- Mr. REVANTH M
- Mr. B. IBRAHIM BASHA
- Mr. PRASANTH M
- Mr. C. DHAYALAN
- Mr. PRASANNA VENKATESH
- Mr. PONMUKESH M P M
- Mr. S S PRANEESH KUMAR
- Mr. J. SAM SHARON
- Mr. SARAVANAN R
- Mr. VINAYAK. M. R
- Mr. RAMANA S K
- Mr. ARAVINDH BALAMURUGAN

### MS EXCEL to excel

#### Definition of Cell References

A cell reference is a cell or a cell range, which identifies its location on a worksheet. Cell references can be used as arguments in a formula/function. As such, if the values of our referenced cells change, our result values (calculated by formulas) will auto-update without having to editing the formulas.

#### Syntax of Cell References

A cell's location can be identified by its column and row reference.

Description	Syntax
Cell in Column B and Row 2	B2
A cell range with the most top-left cell (starting cell) as cell C2 and the most bottom-right cell (ending cell) as cell C7.	C2:C7
All the cells in Row 6	6:6
All the cells in Row 1 to Row 10	1:10
All cells in Column B	B:B
All cells in Column A to Column D	A:D
Cell A1 in the worksheet named "Sheet1"	Sheet1!A1

#### Relative, Mixed & Absolute Cell References

To switch between relative, mixed and absolute cell references, highlight the cell reference and press F4 on your keyboard.

##### Relative references:

Both column and row are not fixed when copied into other cells. Syntax is A1.

##### Mixed references:

Either the column or the row is fixed, but not both, when copied into other cells. If there is a \$ before its reference, it is fixed. Syntax is \$A1, A\$1.

##### Absolute references:

Both column and row are fixed when copied into other cells. Syntax is \$A\$1



# KUMARAGURU college of technology

COIMBATORE – 641 049

Department of Mechanical Engineering

## INSTITUTE VISION:

The vision of the college is to become a technical university of International Standards through continuous improvement.

## INSTITUTE MISSION:

Kumaraguru College of Technology (KCT) is committed to providing quality Education and Training in Engineering and Technology to prepare students for life and work equipping them to contribute to the technological, economic and social development of India. The College pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set students on the path to leadership.

## DEPARTMENT VISION:

To emerge as a centre, that imparts quality higher education through the programme in the field of Mechanical Engineering and to meet the changing needs of the society.

## DEPARTMENT VISION:

The department involves in sustained curricular and co-curricular activities with competent faculty through teaching and research that generates technically capable Mechanical Engineering professionals to serve the society with delight and gratification.

## PROGRAM OUTCOMES (PO's):

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

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5. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
  6. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
  7. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
  8. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
  9. **Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
  10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
  11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
  12. **Life-long learning:** Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

#### **PROGRAM EDUCATIONAL OUTCOMES (PEO's):**

- PEO 1** : Graduates will take up career in manufacturing and design related disciplines.
- PEO 2** : Graduates will be involved in the execution of Mechanical Engineering projects.
- PEO 3** : Graduates will take up educational programme in mastering Mechanical sciences and management studies.

#### **PROGRAM SPECIFIC OUTCOMES (PSO's):**

1. Apply the fundamentals of science and mathematics to solve complex problems in the field of design and thermal sciences.
2. Apply the concepts of production planning and industrial engineering techniques in the field of manufacturing engineering.