



**KUMARAGURU**  
COLLEGE OF TECHNOLOGY



Department of Mechanical Engineering

Newsletter

*MExpress*

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**Editors:**

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**Mr. B.N Sreeharan**

**Associate Editors:**

**Mr. R. Padrinarayan**  
**Mr. Praveen B**  
**Ms. Rushethra P.N**

**\*FOR INTERNAL CIRCULATION ONLY**

# DEPARTMENT ACTIVITIES

## PROGRAMMES ORGANIZED

- Department organized a National Webinar on ADDITIVE MANUFACTURING on 05.09.2020. Dr. B. Shanmugarajan was the chief guest.
- Another National level Webinar on INTRODUCTION TO WELDING PROCESSES was organized by the department on 07.09.2020. Mr. Arunan R was the resource person.
- One more National Level Webinar on WELDING OF AUTOMOTIVE STEELS was organized by the department on 09.09.2020. Mrs. Shanthakumari was the chief guest.

All the above three webinars were coordinated by Dr. V. Manivelmuralidaran, AP (II).

## VALUE ADDED COURSES

- Dr. S. Balasubramanian, Associate Professor & Mr. M. A. Vinayagamoorthi, AP (II) conducted a value-added course on Smart Manufacturing on 19.09.2020 and 26.09.2020.
- Mr. R. S. Mohan Kumar, AP (I) and Dr. A. P. Arun, AP (II) conducted another value-added course on "Product Design and Development" on 07.09.2020 and 21.09.2020.

Both the value-added course were coordinated by Dr. A. P. ARUN, AP (II).

## GUEST LECTURES DELIVERED

- Dr. R. Manivel, Professor delivered a guest lecture in International Workshop conducted by AICTE- UKIERI- Leadership and Management Workshop -CMII Project, Dudley College, London on 21.09.2020.
- Dr. S. Bhaskar, Associate Professor, was acted as a resource person for delivering lecture(s) in 1st Online Faculty Induction Programme (17-08-2020 to 15-09-2020) and in the 3rd Online Faculty Induction Programme (Guru-Dakshta) (21-09-2020 to 20-10-2020) on

the topic "Basic Approach of Outcome Based Education for Outcome Based Accreditation" on 01.09.2020 and on 27.09.2020 respectively, which was organized by UGC - Human Resource Development Centre (UGC-HRDC) Sardar Patel University Mota Bazar, Opp. SICART, Vallabh Vidyanagar.

- Dr. Bhaskar also delivered a lecture on "Last Time – First Time Approach leading towards Horizontal Exposure and Vertical Expertise" on 02.09.2020 organized by JSS Science and Technology University, Mysuru.
- Mr. T. Karuppusamy, AP (II) delivered a Guest lecture on Static Force Analysis -Jaishri Ram Engineering College.
- Mr. B. N. Sreeharan, AP (II) delivered a guest lecture in a Webinar on "One Step toward Inner Happiness during Covid-19" conducted by Department of Mathematics, Pioneer College of Arts & Science, Coimbatore on 19.09.2020 as part of Extension Activity.

## JOURNAL PAPERS REVIEWED

- Dr. V. Muthukumaran, Professor reviewed a paper entitled "Behavior of under and over-reinforced concrete slender beams at failure" for the Scopus indexed International Journal of Engineering, Design and Technology.
- Mr. S. Sivakumar, AP (II) reviewed a paper entitled "A proficient approach to enhance heat transfer using cupric oxide/silica hybrid nanoliquids" for the Scopus indexed International Journal of Thermal Analysis and Calorimetry.
- Dr. V. R. Muruganantham, Associate Professor, reviewed a paper entitled "Network Modeling for ANP to determine the appropriate area for the development of Dry port in Thailand" for the Scopus indexed International Journal 'Advances in Science, Technology and Engineering Systems Journal'.

- Dr. C. Velmurugan, Professor and HoD, reviewed a paper entitled "Effect of the Transversal-Spacing of Stirrup-Legs on the Behavior and Strength of Shallow Concealed RC Beams" for the Scopus indexed International Journal of Engineering, Design and Technology.
- Dr. P. S. Samuel Ratna Kumar, AP (I) reviewed a paper entitled "Impact of E-waste on the Mechanical and Machining Characteristics of Epoxy based Hemp fibre Composite" for the Scopus / Web of Science indexed International Journal 'Materials Today: Proceedings'.
- Dr. P. R. Ayyappan, Senior Assistant Professor reviewed a paper entitled "A two-dimensional Luenberger-Gaussian-moving-average filter for battery incremental capacity curve extraction" for the Scopus/WoS/SCI indexed International journal 'Applied energy'.
- Dr. B. Senthilkumar, Associate Professor, reviewed a paper entitled "Evaluating the effect of ZrC particles on the microstructural and mechanical properties of AZ31/ZrC Surface Composites fabricated through Friction Stir Processing" for the Scopus/WoS/SCI indexed International Journal 'Measurement'.
- Completed a Two hours online course on Google Ads for Beginners in coursera- 03-09-2020- Coursera Project Network.
- Completed a Five Weeks online course on Introduction to Basic Vibrations in course ra- 04-09-2020- Korea Advanced Institute of Science and Technology .
- Completed a Seven Weeks online course on Unethical decision making in organizations in course ra- 05-09-2020- Universite de Lausanne.
- Completed a Four Weeks online course on CAM and Design Manufacturing for Mechanical Engineers with Autodesk Fusion 360 in coursera- 06-09-2020- Autodesk
- Completed a Four Weeks online course on Introduction to CAD, CAM and Practical CNC Machining in coursera- 06-09-2020- Autodesk
- Completed a Four Weeks online course on Six Sigma and the Organization (Advanced) in coursera- 07-09-2020- Kennesaw State University.
- Completed a Four Weeks online course on Fundamentals of Project Planning and Management in coursera- 08-09-2020- University of Virginia.
- Completed a Four Weeks online course on Modeling and Design for Mechanical Engineers with Autodesk Fusion 360 in coursera- 12-09-2020- AUTODESK
- Completed a Four Weeks online course on Practical Machine Learning in coursera- 15-09-2020- Johns Hopkins University.
- Completed a 8 Hours online course on Work Smarter, Not Harder: Time Management for Personal & Professional Productivity in coursera- 15-09-2020- UCI Division of Continuing Education.
- Completed a Four Weeks online course on Mastering bitumen for better roads and innovative applications in coursera- 15-09-2020- Paris Tech.

### **INDUSTRIAL TRAINING**

- Dr. V. Muthukumar, Professor, Dr. K. M. Senthil Kumar, Associate Professor and Dr. S. Balaji, AP (I) underwent Industrial Training to Shri Varshini Technologies, Coimbatore from 01.09.2020 to 22.09.2020.

### **FACULTY CONTRIBUTIONS**

#### **Dr. C. Velmurugan, Professor & HoD**

- Completed a Four Weeks online course on Six Sigma Principles in coursera- 02-09-2020- University System of Georgia.
- Completed a Four Weeks online course on Six Sigma Advanced Design and Measure Phases in coursera- 02-09-2020- Kennesaw State University.

- Completed a 4 weeks online course on Understanding Financial Statements: Company Performance in coursera- 15-09-2020- University of ILLINOIS
- Completed a 8 Hours online course on Fundamentals of Management in coursera- 17-09-2020- University of California.
- Completed a 6 weeks online course on Creating Cutscenes in Unity in coursera- 19-09-2020- Global Head Education.
- Completed a 8 Hours online course on Effective Problem solving and decision making in coursera- 23-09-2020- University of California.
- Completed a 15 Hours online course on Understanding Research Methods in coursera- 24-09-2020- University of London.
- Completed a synopsis Approval meeting for the PhD candidate Mr. P. Vadivel, 1313269203 on 15-09-2020, 10.30 AM through online mode. DC Members are Dr. S. Balasivanandhaprabhu, Professor, Anna University Chennai, Dr. T. Kannan, Professor and Principal, SVS College of Engineering, Coimbatore.
- Attended a PhD Viva Voce for the Candidate Mr. S. Rajini, 71110632045 on 18-09-2020, 10.30 AM through online mode as a Research Coordinator and Viva Voce Convenor
- Attended a PhD Viva Voce for the Candidate Ms. K. Thilagavathi, 11210532036 on 21-09-2020, 3.00 PM through online mode as a Research Coordinator and Viva Voce Convenor.

#### **Dr. V. Muthukumaran, Professor**

- Completed online course Material processing at Coursera by Georgia Tech.
- Attended TEQIP III Sponsored One Day Technical Webinar on "Newer Methods and

Challenges of Engineering Learning" held on 12.09.2020

- Attended webinar on 14.09.2020 - Vocational Education conducted by UGC, NCERT
- Attended webinar on 18.09.2020 Towards Holistic and Multidisciplinary Education conducted by UGC
- Attended webinar on 21.09.2020 Regulatory Reforms in Higher Education conducted by UGC
- Attended webinar on 25.09.2020 Credit Mechanism, Mobility and Academic Bank of Credit conducted by UGC
- Attended webinar "National Education Policy 2020: The Brighter Future of Education" on 25th September 20
- Attended Webinar "The Experience, Challenges and The Collaboration in Sustainable Restoration & Conservation and Curtain-Raiser of ASSOCHAM GEM Chhattisgarh Chapter" on Sept 26.

#### **Dr. R. Manivel, Professor**

- Attended Webinar on Role of Glasses in Energy and Technology on 19-09-2020 organised by PSG College of Technology.
- Attended NEP 2020 Brainstorming Session "Research, Innovation Funding" on Tuesday, September 29, 2020, Organised by AICTE, New Delhi.
- Participated in NEP 2020 Brainstorming Session "Online and Distance Education" on Monday, September 28, 2020, organised by AICTE.

#### **Dr. P. Sathyabalan, Professor**

- Attended 53rd IEI Engineer's day celebration - Webinar - Theme - Engineers for self reliant India on 15 Sept 2020 - 5.00 to 7.30 pm.



- Attended TSI Technical Education Webinar Series - Tribology in Hydraulic Systems on 25/9/2020 - 10AM to 1 PM
- Attended Alumni Talk Series 05: Session 03 on "Trends in Marketing" by Mr.V.Raghnath of B.E Mechanical - Batch 1993, Vice President - Marketing at Aspire Systems & Synergita, India on 26/9/2020 from 11 AM to 12 Noon
- Attended TSI Tribconnect Webinar Series - Gear Tribology on 30/9/2020 - 4.30 to 7 PM.

#### **Dr. N. Sangeetha, Senior Associate Professor**

- Acted as academic auditor for IT, FT and EIE departments . Assigning auditor for sync - class , monitoring, Daily Report receiveing from auditor and submitting the observation to the Head audit. And weekly report submission for five weeks.
- Acted as Academic Auditor for IT, FT and EIE departments . Assigning auditor for Async - class , monitoring, receiveing the report from auditor and preparing observation for all the courses and submitting the consolidated report to the Head audit.
- Submitted NIRF 2021 details.
- As a program coordinator, class committee meetings were conducted for BE Mech II year, III year and IV year and CCM minutes prepared and submitted.
- Reviewer for the International Conference EDMMT 2020, B.S.A. Crescent Inst. of Sci & Tech., Chennai.
- Submitted a research paper for a Journal of Vibration Engineering & Technologies (JVET).

#### **Dr. S. Bhaskar, Associate Professor**

- Completed 02 weeks of a NPTEL course
- Prepared 14 videos on OBE (Vision, Missio, PEO, PO, PSO and CO).

#### **Mr. T. R. Sukumar, Associate Professor**

- Completed online course on artificial Intelligence through Coursera on 08.09.2020.
- Attended webinar on Total productive maintenance on 07/09/2020.
- Attended webinar on leadership skills on 12/09/2020
- Completed a 8 Hours online course on Fundamentals of Management in coursera- 21-09-2020- University of California.
- Completed a 15 Hours online course on Understanding Research Methods in coursera- 29-09-2020- University of London.
- Attended 3 KCT alumni talks
- Acted as a committee member in the selection of Best outgoing student .
- Attended IIIIE National Council meeting on 17/09/2020.

#### **Dr. K. M. Senthil Kumar, Associate Professor**

- Completed online course Material processing at Coursera by Georgia Tech.
- Act as an auditor for - Async. session for ME department - for 6 courses - completed and submitted the report
- Completed AICTE-ATAL FDP on 3D Printing and Design, during 07/09/2020 to 11/09/2020.
- Attended Alumni Talk Series 04: Session 04" on Career Options for Engineers by Mr.Sriram Peruvamba of B.E Mechanical - Batch 1991, Project Manager at Petrofac International Ltd, Sharjah, UAE.
- Attended webinar on Your Intelligent partner for Advanced Manufacturing - TAIWAN - on Sept. 17th, 2020.
- Attended IEI Centenary Technical Webinar on 'Inspection, Investigation, Repair &

Rehabilitation of Urban Transport Structures' on 26th Sept 2020.

- Attended IEI Centenary Technical Webinar on 'Long Span Bridge Construction' on 24th Sept 2020.
- Attended IEI Centenary Technical Webinar on 'Compressed Stabilized Earth Blocks (CSEB) for a Sustainable Future' on 19th Sept 2020.
- Attended IEI Centenary Technical Webinar on 'Troubleshooting in Pneumatic Ash Conveying Systems – Do Not Treat Symptoms, Treat the Root Cause' on 9th Sept 2020.

**Dr. V. R. Muruganantham, Associate Professor**

- Act as an auditor for - sync. session for AE department - 4 audit per week completed and - still under process
- Act as an auditor for - Async. session for ME department - for 6 courses - completed and submitted the report
- IIPC-Training documents received from Roots and soft copy submitted to the department - 65 students
- MEA - President selection on line interview was completed
- MEA - Secretary selection on line interview was on 26th Sep.
- MEA - AAD completion activity (9 events) done during covid 19
- IIPC -Training documents received from Skyriders with Bosch and soft copy submitted to the department - 37 students
- Acted as a committee member in the selection of Best outgoing student
- Undergone One week Bosch Training program organised by Skyryder.

**Dr. M. Balaji, Associate Professor**

- Completed 6 weeks online course through coursera on CAREER SUCCESS PROJECT from University of California, Irvine.
- Completed 10 course specialization through online course through coursera on CAREER SUCCESS PROJECT from University of California,Irvine
- Attended 2 week session online course through NPTEL 'Ergonomic workplace analysis'.

**Dr. S. Balasubramanian, Associate Professor**

- Attended webinar on Block chain organised by IEI - TAIWAN - on Sept. 9th, 2020.
- Attended TEQIP - Webinar - Methods and challenges of Engineering learning organised by GCT-Coimbatore on Sept. 12th, 2020.
- Completed the online course 'Embracing Change' in Harappa Education -14-09-2020
- Attended webinar on 'ENGINEERS-MAKE THE DIFFERENCE 'organised by Fronius India on 15-09-2020
- Attended a Webinar on Blooms Taxonomy organised by COE -KCT on 16-09-2020
- Completed the online course 'Embracing Change' in Harappa Education -14-09-2020
- Completed the online coursera course 'Machine learning for all' -18-09-2020
- Arranged Industrial visit to 2016-20 BE Mechanical students to 'Sri Venkateshwara Carbonic gases' Coimbatore on 26-09-2020.

**Dr. S. Thirumurugaveerakumar, Associate Professor**

- Completed a Four Weeks online course on Modeling and Design for Mechanical

Engineers with Autodesk Fusion 360 in coursera- 12-09-2020- AUTODESK.

- Completed a Four Weeks online course on Practical Machine Learning in coursera- 15-09-2020- Johns Hopkins University.
- Act as an auditor for - sync. session for AE department - 4 audit per week completed.
- Act as an auditor for - Async. session for ME department - for 6 courses - completed and submitted the report.
- Attended a PhD Viva Voce for the Candidate Mr.S.Rajini, 71110632045 on 18-09-2020, 10.30 AM through online mode as a Research Coordinator and Viva Voce Convenor
- Attended a PhD Viva Voce for the Candidate Ms.K.Thilagavathi, 11210532036 on 21-09-2020, 3.00 PM through online mode as a Research Coordinator and Viva Voce Convenor.

#### **Dr. K. Ulaganathan, Assistant Professor (III)**

- Participated in AICTE Sponsored ATAL FDP on Learning Management System ( LMS) Organized by National Institute of Technical Teachers Training and Research (NITTtR), Chennai.
- Completed Online Coursera Course: High Impact Business Writing (4 Weeks)
- Completed Online Coursera Course: Initiating and Planning Projects (4 Weeks)
- Completed Online Coursera Course: Managing Projects Risk and Changes ( 4 weeks)
- Completed Online Coursera Course: The Art of Negotiation( 4 weeks)
- Completed Online Coursera Course: The Project Management the Basics for Success (4 weeks)

#### **Dr. S. Sivakumar, Assistant Professor (III)**

- Acted as Academic Auditor for Auto and EIE departments . Assigning auditor for sync - class , monitoring, Daily Report receiveing from auditor and submitting the observation to the Head audit. And weekly report submission for five weeks.
- Acted as an auditor for - Async. session for ME department - for Thermodynamics courses - completed and submitted the report.

#### **Dr. K. K. Arun, Assistant Professor (III)**

He completed the following courses

- Coursera online course, RPA Lifecycle: Development and Testing, September 2, 2020, 4 weeks
- Coursera online course, Python Classes and Inheritance, September 8, 2020,4 weeks
- Coursera online course, Capstone: Retrieving, Processing, and Visualizing Data with Python, September 8, 2020,6 weeks of study, 2-4 hours/week
- Coursera online course, Product Development: Customer Journey Mapping with Miro, September 9, 2020,2.5 hours
- Coursera online course, Quantum Mechanics, September 9, 2020, Three weeks of content.
- Coursera online course, The Product Lifecycle: A Guide from start to finish, September 9, 2020,1-hour 30-minutes
- Coursera online course, Fundamentals of Macroscopic and Microscopic Thermodynamics, September 12, 2020 3 weeks
- Coursera online course, Ideal Gases, September 12, 2020 3 weeks
- Coursera online course, Python Basics, September 10, 2020 4 weeks

- Coursera online course, Non-Equilibrium Applications of Statistical Thermodynamics ,September 12, 2020 , 4 weeks
- Coursera online course, ART of the MOOC: Activism and Social Movements, September 12, 2020 4 weeks
- Coursera online course, Smart Device & Mobile Emerging Technologies, September 11, 2020,4 weeks
- Coursera online course, Machine Learning Foundations: A Case Study Approach, September 13, 2020,6 weeks of study, 5-8 hours/week
- Coursera online course, Fundamentals of Engineering Exam Review, September 14, 2020,4 weeks
- Coursera online course, Dense Gases, Liquids and Solids, September 14, 2020,4 weeks
- Coursera online course, Introduction to Augmented Reality and ARCore, September 15, 2020,4 weeks
- Coursera online course, Machine Learning With Big Data, September 14, 2020,5 Weeks, 3 - 5 hours per week
- Coursera online course, Machine Learning: Classification, September 19, 2020,7 weeks of study, 5-8 hours/week
- Coursera online course, Machine Learning: Regression, September 19, 2020,6 weeks of study, 5-8 hours/week
- Coursera online course, Internet of Things: How did we get here?, September 25, 2020,2 weeks of study, 2-3 hours/week
- Coursera online course, Machine Learning: Clustering & Retrieval, September 21, 2020,6 weeks of study, 5-8 hours/week
- Participated FDP ATAL "LMS " from 21.09.2020 to 25.09.2020, NITTTR Chennai

#### **Mr. S. Sivakumar, Assistant Professor (II)**

- Attended the online course -course era- Material science-10 things Everyone should know from 01-09-2020 TO 25-09-2020.

#### **Mr. M. A. Vinayagamoorthi, Assistant Professor (II)**

- Completed 4 weeks online course from corsersa - Ferrous Technology I FROM 24/09/2020 TO 29/09/2020
- Attended a Webinar on IEI - 53rd Engineers Day- Theme Engineers for a Self-Reliant India Confirmation
- Attended a Webinar on ENGINEERS-MAKE THE DIFFERENCE organised by Fronius India
- Completed Online course - Embracing Change FROM Harappa Education
- Attended a NEP 2020 Brainstorming Session Online and Distance Education
- Attended a Faculty Empowerment programme on SHINE YOURSELF ,organized by KLDA

#### **Mr. M. Thirumalai Muthukumaran, Assistant Professor (II)**

- Completed a Five Weeks online course on Applications in Engineering Mechanics in course era- 26-08-2020- Georgia Institute of Technology.
- Completed a Five Weeks online course on Budgeting and Scheduling Projects in course era- 05-09-2020- University of California, Irvine
- Completed a Four Weeks online course on Communication in the 21st Century Workplace in course era- 26-08-2020- University of California, Irvine



- Completed a Four Weeks online course on Essentials of Entrepreneurship Thinking & Action in course era- 27-08-2020- University of California, Irvine
- Completed a Four Weeks online course on Finance for Non-Financial Professionals in course era- 31-08-2020- University of California, Irvine
- Completed a Four Weeks online course on Generative Design for Additive Manufacturing in course era- 26-08-2020- Autodesk
- Completed a Four Weeks online course on High Impact business writing in course era- 28-08-2020- University of California, Irvine
- Completed a Five Weeks online course on Roadmap to success in digital manufacturing and design in course era- 28-08-2020- State University of New York
- Completed a Four Weeks online course on The Art of Negotiation in course era- 30-08-2020- University of California, Irvine
- Attended a Monthly Lecture Meeting on "Development of Ti-alloy and Ni-alloy Engine Components for Aerospace Industry" scheduled on 18th September 2020 at 04.00 PM through Google Meet. Organized by The Institution of Engineers (India), Coimbatore Local Centre in association with Department of Production Engineering, PSG College of Technology, Coimbatore.
- Completed a Four Weeks online course on Collaborative Robot Safety\_ Design & Deployment in course era- 10-09-2020- State University of New York.
- Completed a Four Weeks online course on Generative Design for Industrial Application in course era- 22-09-2020- AUTODESK
- Completed a Four Weeks online course on Generative Design for part consolidation in course era- 17-09-2020- AUTODESK
- Participated in the TEQIP III Sponsored One Day Technical Webinar on "Newer Methods and Challenges of Engineering Learning" held on 12.09.2020 Organised by PG Thermal Engineering, Department of Mechanical Engineering, Government College of Technology, Coimbatore-641 013 in association with Innovent Engineering solutions Pvt Ltd Bangalore-560 008.
- Participated in Four Days Online Course on 'Theory and Analysis of Laminated Composite and Functionally Graded Structures' from September 8 to 11, 2020 delivered by Prof. J. N. Reddy.

**Mr. V. Manivel Muralidharan, Assistant Professor (II)**

- Organized an Online Webinar series on ADDITIVE MANUFACTURING by IWS Students Forum and Department of Mechanical Engineering in association with Indian Welding Society on 05/09/2020
- Organized an Online Webinar on INTRODUCTION TO WELDING PROCESSES by IWS Students Forum and Department of Mechanical Engineering in association with Indian Welding Society on 07/09/2020
- Organized an Online Webinar on WELDING OF AUTOMOTIVE STEELS by IWS Students Forum and Department of Mechanical Engineering in association with Indian Welding Society on 09/09/2020
- Attended AICTE-ATAL FDP on Design Thinking and Innovation Management scheduled for Sept. 14-18, 2020, organized by VIT Business School, VIT, Vellore

- Attended one-day online Workshop on Shine Yourself organised by KLDA, Kumaraguru College of Technology, on 26.09.2020

**Mr. K. Krishnamoorthi, Assistant Professor (II)**

- Completed 6 weeks online course through coursera on CAREER SUCCESS PROJECT from University of California,Irvine
- Attended the online course -course era- Material science-10 things Everyone should know from 01-09-2020 TO 25-09-2020

**Mr. T. Karuppusamy, Assistant Professor (II)**

- Online course-Coursera-Applications of Engineering Mechanics
- Guest lecture delivered on Static Force Analysis -Jaishri Ram Engineering College
- Ongoing course NPTEL TALE
- Webinar on National Education policy
- Organized several Interdisciplinary research meetings-Power systems groupsevera
- Organized Interdisciplinary research meetings-Enzymes and Effluent treatment group
- Organized-AICTE e Conference meeting
- Ongoing course on Initiating and planning projects
- Attended 1 day training program Shine Yourself-through KLDA.

**Mr. B. N. Sreeharan, Assistant Professor (II)**

- Completed 04 weeks of a NPTEL course TALG.

- Acted as a committee member in the selection of Best outgoing student

- Acted as a committee member in MEA - Secretary selection online interview conducted on 26th September.

- Attended a Faculty Empowerment programme on SHINE YOURSELF ,organized by KLDA

**Mr. S. Rajesh, Assistant Professor (I)**

- Completed a Four Weeks online course on Essentials of Entrepreneurship Thinking & Action in course era- 27-08-2020- University of California, Irvine.
- Completed a Four Weeks online course on High Impact business writing in course era- 28-08-2020- University of California, Irvine

**Mr. R. S. Mohankumar, Assistant Professor (I)**

- Completed 4 weeks online course through coursera on Ferrous Technology I, from 24.09.2020 to 29.09.2020.
- Attending NPTEL Course on Design Thinking - A primer, from 20.09.2020.

**Dr. P. S. Samuelratnakumar, Assistant Professor (I)**

- Completed CAM and Design Manufacturing for Mechanical Engineers with Autodesk Fusion 360- Online Course.
- Completed Introduction to Molecular Spectroscopy - Online course.

**Mr. B. Jeeva, Assistant Professor (I)**

- Joined as Member of International Association of Engineers (IAENG), Hong Kong. (Member ID No. 263036)

### Mr. P. Pradeep, Assistant Professor (I)

- Attended webinar on 21.09.2020 Regulatory Reforms in Higher Education conducted by UGC.
- Attended a webinar on world's Heart day 2020 On healthy heart on 29.09.2020 conducted by Apollo firstmed Hospital.

### Mr. P. D. Devan, Assistant Professor (I)

- IIPC -Training documents received from Skyriders with Bosch and soft copy submitted to the department - 37 students
- IIPC -Training documents received from Roots and soft copy submitted to the department - 65 students
- Undergone One week online virtual Bosch Training program organised by Skyryder.

### Mr. K. Manikandaprasath, Assistant Professor (I)

- Completed 4 week course of Block chain Technology in Coursera.
- Submitted a Conference paper titled "Optimization of wear behaviour of AA6061 – SiC – B4C metal matrix composite using response surface methodology" in ICMmm - 21 conference
- Attended TSI Technical Education Webinar Series - Tribology in Hydraulic Systems on 25/9/2020 - 10AM to 1 PM
- Reviewed a paper titled "Experimental Evaluation in Dry Machining of Inconel 718 Using Coated Carbides", Journal of Engineering Research and Reports

## STUDENT ACHIEVEMENTS

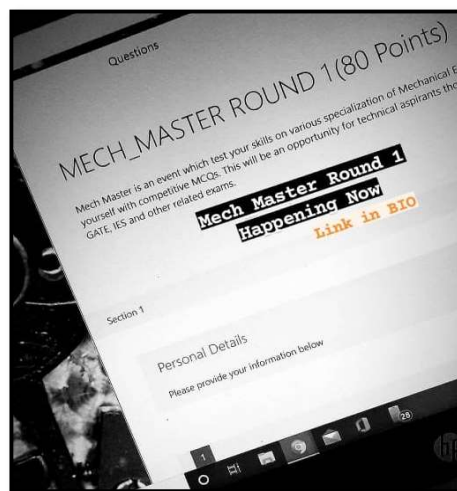
### STUDENT EVENTS ORGANIZED – SEPT. 2020

Three events were organized by the Dept. Association to kindle the student's wisdom and innovation. The events were mainly organized for the department freshers (Batch 2019-23) and they have actively taken part in it making it an earnest event.

### MECH\_MASTER

This event was focused on appraising the student's knowledge on the grounds of Manufacturing and Thermodynamics, the first round predominantly consisted of manufacturing and its application-oriented questions and the second round had questions related to the latter of the two. Students from the second and third years from various departments actively participated and won cash vouchers.

Seventy-Four Students participated from which Thirty- Six of them were selected for the second round which was chiefly based on Thermodynamics and its applications.



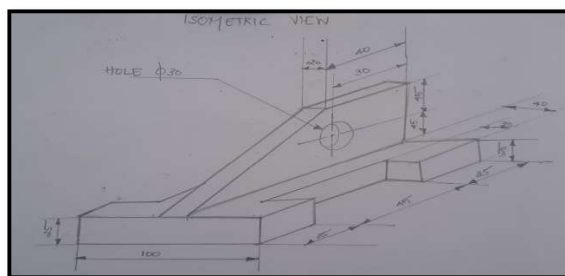
Mr. Idhayaraja - 19BME072 bagged the first place and followed by Mr. Kamalesh - 19BME0031 was the runner-up of this event which was held on 13<sup>th</sup> September. The event coordinators were Mr. Deepan Isaac - 18BME050 and Mr. Praveen - 18BME092 and the volunteers were Mr. Nitheeshwar - 19BME067 & Mr. Monish - 19BME022.

**MECH-WHIZ**

The essence of education lies in fun filled learning. This event is an example of one such happening in our department. The event offered the participants with astonishing challenges along with few instances of proving their intellectual capabilities. It was an event organised for the Engineer day's celebrations

It consisted of four various levels of testing the participants in various fields of mechanical engineering. The first round was Skip the Maze in which the participants solved maze puzzles and their scores were being recorded for the final cumulative score on which the winner was decided. Second round was a word building game called Mech Spell\_spire, followed by a elocution JAM which students actively participated showing their technical speaking skills.

The final round tested participant's Engineering drawing skills in which students have to discover the isometric view of the object given in various projections.



The winner of this event was Mr. Deepan Issac T - 18BME050 and the second prize was won by Mr. Prasanth M - 18BME100. The event was coordinated by Mr. Srivathsan - 18BME088, Mr. Praveen B - 18BME092, Mr. Joshua Peter A - 18BME084 and Ms. Nandhini - 18BME068.

This event had great reception among the students and was a great success. The Department Association plans to conduct more such events for the students of various departments.



## FAREWELL 2016-20 BATCH

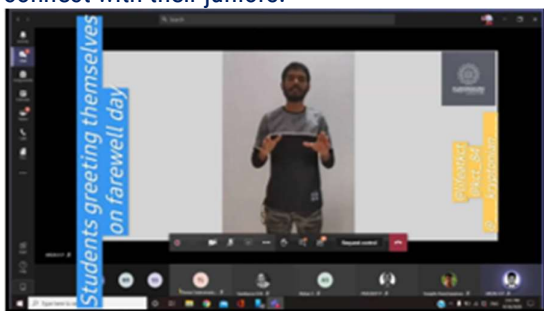
The 2020 graduating batch of mechanical department had their farewell on 18<sup>th</sup> September.



This year it was held virtually due to the ongoing pandemic situation. The farewell was well organized by our Department association and the event had huge thanks giving from both the passing out students as well as their proud juniors.



The farewell speech was given by Mr. Praveen – 18BME092 and Mr. Sreejith – 18BME082 of the ongoing 3<sup>rd</sup> year Mechanical engineering. The MEA along with the college Management gave the outgoing batch an astonishing farewell. The outgoing students had a very great emotional connect with their juniors.



They expressed their heart whelming emotions of their cherished college life and wished their juniors the best for their upcoming endeavors.

The MEA wishes the batch (2016-20) the best in their future life and wishes to see them as an ever-shining stars.

### COURSE COMPLETIONS

- Mr. Nanda Kumar S - 17BME092 has completed an online course on BASIC QUANTITATIVE APTITUDE provided by GREAT LEARNING PLATFORM.
- Mr. Nanda Kumar S - 17BME093 has completed an online course on MATHEMATICS FOR JOB INTERVIEWS provided by GREAT LEARNING PLATFORM.
- Mr. Nanda Kumar S - 17BME094 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Krishnakanth C K - 17BME233 has completed an online course on AI FOR EVERYONE provided by COURSERA.
- Mr. Krishnakanth C K - 17BME233 has completed an online course on SIX SIGMA PRINCIPLES provided by COURSERA.
- Mr. Krishnakanth C K - 17BME233 has completed an online course on C PROGRAMMING provided by COURSERA.
- Mr. Krishnakanth C K - 17BME233 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Lingesh S - 18BME016 has completed an online course on WEBINAR SERIES ON ADDITIVE MANUFACTURING provided by MECHANICAL ENGINEERING ASSOCIATION.
- Mr. Lingesh S - 18BME016 has completed an online course on VIRTUAL INTERNSHIP provided by NATIONAL DESIGN AND RESEARCH FORUM.
- Mr. Shrinick P B - 18BME013 has completed an online course on INTRODUCTION TO ENGINEERING MECHANICS provided by COURSERA.
- Mr. Shrinick P B - 18BME013 has completed an online course on MODELING PROCEDURE - FIXED TUBESHEET HEAT EXCHANGER provided by IMAGE GRAPHIX WEBINARS.
- Mr. Kaviyan. D - 18BME061 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Nithish Kumaran B - 18BME062 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. J D Jeshanth - 18BME063 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Ms. Madhumitta P - 18BME064 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. A. Sreekar Reddy - 18BME065 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. P. Hemant Kumar - 18BME066 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. S.K. Arun - 18BME067 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.

- Ms. Nandhini V - 18BME068 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Ram Kumar L - 18BME069 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Aron. I - 18BME070 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Sankar Vignesh M - 18BME072 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Krishna Raagavendhar - 18BME073 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Kavin C N - 18BME075 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Jeffery Renold L - 18BME076 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Aditya.S - 18BME078 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Revanth M - 18BME079 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Nethaji P - 18BME081 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Sreejith - 18BME082 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Joshua Peter A - 18BME084 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Naveen Rg - 18BME085 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Navinadhidhyaa.Kvk - 18BME086 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Abishek D - 18BME087 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Srivathsan V - 18BME088 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Aravind B - 18BME090 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Nithishwaran - 18BME091 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Praveen B - 18BME092 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Rishi.S - 18BME093 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. B Ibrahim Basha - 18BME095 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Pramod P.S - 18BME097 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Harishmaran S T - 18BME098 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. T. Dhayanithi - 18BME099 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Prasanth M - 18BME100 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Vasanth Kumar - 18BME101 has completed an online course on MACHINE DESIGN PART 1 provided by HARAPPA EDUCATION.
- Mr. Sameer Ahamed Khan A - 18BME103 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Bhavesh Kishore. E - 18BME104 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Krishna Prasad L - 18BME105 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Ms. Pavithra - 18BME106 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. V.S.Jeeva - 18BME107 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Bavish Nandhan - 18BME120 has completed an online course on MACHINE DESIGN PART 1 provided by HARAPPA EDUCATION.
- Mr. Harshit. S - 18BME109 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.

- Mr. Manojkumar T - 18BME110 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Praveen kumar. P - 18BME112 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Anuj - 18BME113 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. S Roshan Ashraf - 18BME114 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Niranjana S - 18BME116 has completed an online course on MACHINE DESIGN PART 1 provided by HARAPPA EDUCATION.
- Mr. M.A.Mugesh - 18BME117 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Aravind Kumar K S - 18BME120 has completed an online course on MACHINE DESIGN PART 1 provided by HARAPPA EDUCATION.
- Mr. Karutthu Vinaayaga Iyyappan I N - 18BME201 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Dhivagar.M - 18BME206 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Karunakaran S - 18BME207 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Karthick S - 18BME210 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Akash.B - 18BME222 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Vinayak M R - 18BME223 has completed an online course on MACHINE DESIGN PART 1 provided by HARAPPA EDUCATION.
- Mr. Nithishwaran - 18BME091 has completed an online course on TABLEAU TUTORIAL provided by UDEMY.
- Mr. Nithishwaran - 18BME091 has completed an online course on AUTOMATION TESTING WITH HP UFT 14.00 provided by UDEMY.
- Mr. Nithishwaran - 18BME091 has completed an online course on CONNECT I/O - A SOFTPLC provided by UDEMY.
- Mr. Nithishwaran - 18BME091 has completed an online course on INTRODUCTION TO R provided by DATA CAMP.
- Mr. Nithishwaran - 18BME091 has completed an online course on ADVANCED GOOGLE ANALYTICS provided by GOOGLE ANALYTICS ACADEMY.
- Mr. Roshan Ashraf - 18BME114 has completed an online course on MECHANICS OF MATERIALS III: BEAM BENDING provided by COURSERA.
- Mr. Anuj - 18BME113 has completed an online course on SELF AWARENESS AND THE EFFECTIVE LEADER provided by COURSERA.
- Mr. Baves Kishore - 18BME104 has completed an online course on MECHANICS OF MATERIALS IV provided by COURSERA.
- Mr. Sreejith Ravichandran - 18BME082 has completed an online course on INTRODUCTION TO MECHANICAL ENGINEERING DESIGN AND MANUFACTURING WITH FUSION 360 provided by COURSERA.
- Mr. Kaviyan.D - 18BME061 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Nithish Kumaran B - 18BME062 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
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- Mr. Vinayak M R - 18BME223 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Ganesh Raghul - 18BME147 has completed an online course on MACHINE DESIGN PART 1 FROM COURSERA provided by COURSERA.
- Mr. Ganesh Raghul - 18BME147 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Dhayalan - 18BME121 has completed an online course on MACHINE DESIGN PART-1 provided by COURSERA.
- Mr. Dhayalan - 18BME121 has completed an online course on AUTODESK CAD/CAM/CAE FOR MECHANICAL ENGINEERS provided by COURSERA.
- Mr. Dhayalan - 18BME121 has completed an online course on CAD AND DIGITAL MANUFACTURING provided by COURSERA.
- Mr. Dhayalan - 18BME121 has completed an online course on FRONT END DEVELOPMENT-HTML provided by COURSERA.
- Mr. Dhayalan - 18BME121 has completed an online course on QUANTITATIVE APTITUDE BASICS provided by COURSERA.
- Mr. Dhayalan - 18BME121 has completed an online course on EMBRACING CHANGE provided by COURSERA.
- Mr. Santhosh. S - 18BME124 has completed an online course on MACHINE DESIGN PART-1 provided by COURSERA.
- Mr. Jana Sevak R - 18BME137 has completed an online course on MOTORS AND MOTOR CONTROL CIRCUITS provided by COURSERA.
- Mr. Jana Sevak R - 18BME137 has completed an online course on MECHANICS OF MATERIALS IV provided by COURSERA.
- Mr. Jana Sevak R - 18BME137 has completed an online course on MECHANICS OF MATERIALS I provided by COURSERA.
- Mr. Jana Sevak R - 18BME137 has completed an online course on MACHINE DESIGN PART I provided by COURSERA.
- Mr. Saravanan R - 18BME142 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. M.Dharmendran - 18BME135 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. M.Dharmendran - 18BME135 has completed an online course on ROCKET PROPULSION - NPTEL provided by NPTEL.
- Mr. M.Dharmendran - 18BME135 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Saravanan R - 18BME142 has completed an online course on MOTORS AND MOTOR CONTROL CIRCUITS provided by COURSERA.
- Mr. Saravanan R - 18BME142 has completed an online course on BASICS OF MACHINE LEARNING provided by GREAT LEARNING PLATFORM.
- Mr. Saravanan R - 18BME142 has completed an online course on MATERIAL SCIENCE provided by COURSERA.
- Mr. Prabhujith Eshwar A - 18BME177 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Prabhujith Eshwar A - 18BME177 has completed an online course on GREATER LEARNING INSTAGRAM MARKETING FUNDAMENTALS provided by GREAT LEARNING PLATFORM.

- Mr. Prabhujith Eshwar A - 18BME177 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Ranjith Kumar K - 18bme131 has completed an online course on EFFECTIVE PROBLEM-SOLVING AND DECISION provided by COURSERA.
- Mr. Ranjith Kumar K - 18bme131 has completed an online course on MACHINE DESIGN PART-1 provided by COURSERA.
- Mr. Ranjith Kumar K - 18bme131 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. M. Bala Murugan - 18BME224 has completed an online course on MACHINE DESIGN PART-1 provided by COURSERA.
- Mr. M. Bala Murugan - 18BME224 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Deepan Issac T - 18BME050 has completed an online course on MECHANICS OF MATERIALS 1 provided by COURSERA.
- Mr. Deepan Issac T - 18BME050 has completed an online course on MECHANICS OF MATERIALS 4 provided by COURSERA.
- Mr. Deepan Issac T - 18BME050 has completed an online course on MOTORS AND MOTOR CONTROL CIRCUITS provided by COURSERA.
- Mr. Deepan Issac T - 18BME050 has completed an online course on DESIGN OF MACHINES PART 1 provided by COURSERA.
- Mr. Dhayalan - 18BME121 has completed an online course on JAVA provided by COURSERA.
- Mr. Deepan Issac T - 18BME050 has completed an online course on GREAT LEARNING - MARKETING 4 P'S : PLACE provided by GREAT LEARNING PLATFORM.
- Mr. Deepan Issac T - 18BME050 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Sharon Meshach R - 18BME033 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Sharon Meshach R - 18BME033 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. S. Nithish - 18BME028 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Suganesh. K - 18BME221 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Balaji. S - 18BME170 has completed an online course on EFFECTIVE PROBLEM SOLVING AND DECISION MAKING provided by COURSERA.
- Mr. Balaji. S - 18BME170 has completed an online course on INTRODUCTION TO FIBRE SECURITY provided by GREAT LEARNING PLATFORM.
- Mr. Arishwaran R - 18BME220 has completed an online course on AUGMENTED REALITY provided by COURSERA.
- Mr. Arishwaran R - 18BME220 has completed an online course on FLUID POWER provided by COURSERA.
- Mr. Avinash Roshan V R V - 18BME045 has completed an online course on GREATLEARNING - MARKETING 4 P'S : PLACE provided by GREAT LEARNING PLATFORM.
- Mr. Arishwaran R - 18BME220 has completed an online course on MACHINE DESIGN PART I provided by COURSERA.
- Mr. Arishwaran R - 18BME220 has completed an online course on MANUFACTURING PROCESS AND FUSION 360 provided by COURSERA.
- Mr. Arishwaran R - 18BME220 has completed an online course on AUTOMOTIVE ENGINE provided by FREE ENGINEERING COURSES.
- Mr. Arishwaran R - 18BME220 has completed an online course on ENGINE BASICS provided by ALISON.
- Mr. Arishwaran R - 18BME220 has completed an online course on HYDRO POWER PLANT provided by ALISON.
- Mr. Arishwaran R - 18BME220 has completed an online course on BASICS OF PRODUCTION PLANNING AND CONTROL provided by GAUGE HOW.
- Mr. Arishwaran R - 18BME220 has completed an online course on FUNDAMENTALS OF DIGITAL UNLOCKED CERTIFICATE provided by GOOGLE.
- Mr. Arishwaran R - 18BME220 has completed an online course on INTRODUCTION TO ARTIFICIAL INTELLIGENCE provided by TCS.
- Mr. Arishwaran R - 18BME220 has completed an online course on MACHINE LEARNING UDEMY provided by UDEMY.

- Mr. Arishwaran R - 18BME220 has completed an online course on ROBOTIC PROCESS AUTOMATION provided by GUVI.
- Mr. Arishwaran R - 18BME220 has completed an online course on SALES EXECUTIVE DEALERSHIP provided by TCS.
- Mr. Kamalesh.S - 19BME031 has completed an online course on MATERIALS SCIENCE: 10 THINGS EVERY ENGINEER SHOULD KNOW provided by COURSERA.
- Mr. Avinash Roshan V R V - 18BME045 has completed an online course on MACHINE DESIGN PART 1 provided by COURSERA.
- Mr. Avinash Roshan V R V - 18BME045 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Harshavardhanan.S - 19BME042 has completed an online course on INTRO TO DIGITAL MANUFACTURING WITH AUTODESK FUSION 360 provided by COURSERA.
- Mr. Harshavardhanan.S - 19BME042 has completed an online course on CAMERAS, EXPOSURE, AND PHOTOGRAPHY provided by COURSERA.
- Mr. Harshavardhanan.S - 19BME042 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Kamalesh.S - 19BME031 has completed an online course on WIND ENERGY provided by COURSERA.
- Mr. Kamalesh.S - 19BME031 has completed an online course on QUANTUM MECHANICS provided by COURSERA.
- Mr. Kamalesh.S - 19BME031 has completed an online course on INTRODUCTION TO HTML provided by COURSERA.
- Mr. Kamalesh.S - 19BME031 has completed an online course on INITIATING AND PLANNING PROJECTS provided by COURSERA.
- Mr. Kamalesh. S - 19BME031 has completed an online course on ELECTRIC POWER SYSTEMS provided by COURSERA.
- Mr. Kamalesh. S - 19BME031 has completed an online course on DIGITAL MANUFACTURING & DESIGN provided by COURSERA.
- Mr. Aswin Baalaje R - 19BME069 has completed an online course on MATERIAL BEHAVIOR provided by COURSERA.
- Mr. Kamalesh.S - 19BME031 has completed an online course on PSYCHOLOGICAL FIRST AID provided by COURSERA.
- Mr. Kamalesh.S - 19BME031 has completed an online course on INTRODUCTION TO DATA ANALYSIS USING EXCEL provided by COURSERA.
- Mr. Kamalesh.S - 19BME031 has completed an online course on INTRODUCTION AND PROGRAMMING WITH IOT BOARDS provided by COURSERA.
- Mr. M.Navaneethan - 19BME035 has completed an online course on MATERIAL BEHAVIOR provided by COURSERA.
- Mr. M.Navaneethan - 19BME035 has completed an online course on PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON) provided by COURSERA.
- Mr. M.Navaneethan - 19BME035 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Obli Karthi M - 19BME034 has completed an online course on PYTHON DATA STRUCTURES provided by COURSERA.
- Mr. Obli Karthi M - 19BME034 has completed an online course on 3D MODEL CREATION WITH AUTODESK FUSION 360 provided by COURSERA.
- Mr. Obli Karthi M - 19BME034 has completed an online course on MANUFACTURING PROCESS WITH AUTODESK FUSION 360 provided by COURSERA.
- Mr. Obli Karthi M - 19BME034 has completed an online course on INTRO TO DIGITAL MANUFACTURING WITH AUTODESK FUSION 360 provided by COURSERA.
- Mr. Obli Karthi M - 19BME034 has completed an online course on DESIGN THINKING FOR INNOVATION provided by COURSERA.
- Mr. Aswin Baalaje R - 19BME069 has completed an online course on SPEAK ENGLISH PROFESSIONALLY: IN PERSON, ONLINE & ON THE PHONE provided by COURSERA.
- Mr. Aswin Baalaje R - 19BME069 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Manav R Samant - 19BME006 has completed an online course on 3D MODEL CREATION WITH AUTODESK FUSION 360 provided by COURSERA.

- Mr. Manav R Samant - 19BME006 has completed an online course on INITIATING AND PLANNING PROJECTS provided by COURSERA.
- Mr. Manav R Samant - 19BME006 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Manav R Samant - 19BME006 has completed an online course on SPREADSHEETS FOR BEGINNERS USING GOOGLE SHEETS provided by COURSERA.
- Mr. Manav R Samant - 19BME006 has completed an online course on MECHANICAL ENGINEERING DESIGN FUSION 360 provided by COURSERA.
- Mr. Manav R Samant - 19BME006 has completed an online course on THE 3D PRINTING REVOLUTION provided by COURSERA.
- Mr. Yogeshkumar S - 19BME098 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Monish R - 19BME022 has completed an online course on FUNDAMENTALS OF PROJECT PLANNING AND MANAGEMENT provided by COURSERA.
- Mr. Monish R - 19BME022 has completed an online course on PROJECT MANAGEMENT & OTHER TOOLS FOR CAREER DEVELOPMENT provided by COURSERA.
- Mr. Manav R Samant - 19BME006 has completed an online course on AUTODESK FUSION 360 INTEGRATED CAD/CAM/CAE provided by COURSERA.
- Mr. Manav R Samant - 19BME006 has completed an online course on DIGITAL MANUFACTURING & DESIGN provided by COURSERA.
- Mr. Manav R Samant - 19BME006 has completed an online course on PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON) provided by COURSERA.
- Mr. Manav R Samant - 19BME006 has completed an online course on INTRO TO DIGITAL MANUFACTURING WITH AUTODESK FUSION 360 provided by COURSERA.
- Mr. Ramkumar - 19BME054 has completed an online course on SPEAK ENGLISH PROFESSIONALLY: IN PERSON, ONLINE & ON THE PHONE provided by COURSERA.
- Mr. Ramkumar - 19BME054 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Ramkumar - 19BME054 has completed an online course on MATERIAL BEHAVIOR provided by COURSERA.
- Mr. Bharani M - 19BME091 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Bharani M - 19BME091 has completed an online course on SPEAK ENGLISH PROFESSIONALLY: IN PERSON, ONLINE & ON THE PHONE provided by COURSERA.
- Mr. Bharani M - 19BME091 has completed an online course on MATERIAL BEHAVIOR provided by COURSERA.
- Mr. Yogeshkumar S - 19BME098 has completed an online course on SPEAK ENGLISH PROFESSIONALLY: IN PERSON, ONLINE & ON THE PHONE provided by COURSERA.
- Mr. Yogeshkumar S - 19BME098 has completed an online course on MATERIAL BEHAVIOR provided by COURSERA.
- Mr. Sudharsan K - 19BME099 has completed an online course on DIGITAL MANUFACTURING AND DESIGN provided by COURSERA.
- Mr. George John Panicker - 19BME007 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Idhaya Raja - 19BME072 has completed an online course on SCIENCE OF EXERCISE provided by COURSERA.
- Mr. Padrinarayan R - 19BME010 has completed an online course on INTRODUCTION TO POINTERS AND MEMORY MANAGEMENT IN C/C++ provided by COURSERA.
- Mr. Padrinarayan R - 19BME010 has completed an online course on MEDITATION: A WAY TO ACHIEVE YOUR GOALS IN YOUR LIFE provided by COURSERA.
- Mr. Padrinarayan R - 19BME010 has completed an online course on WORK SMARTER, NOT HARDER: TIME MANAGEMENT FOR PERSONAL & PROFESSIONAL PRODUCTIVITY provided by COURSERA.
- Mr. Padrinarayan R - 19BME010 has completed an online course on INTRO TO



DIGITAL MANUFACTURING WITH AUTODESK FUSION 360 provided by COURSERA.

- Mr. Padrinarayan R - 19BME010 has completed an online course on PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON) provided by COURSERA.
- Mr. Padrinarayan R - 19BME010 has completed an online course on INTRODUCTION TO ORDINARY DIFFERENTIAL EQUATIONS provided by COURSERA.
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- Mr. Rahul P - 19BME020 has completed an online course on THE 3D PRINTING REVOLUTION provided by COURSERA.
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- Mr. Rahul P - 19BME020 has completed an online course on ADVANCED MANUFACTURING PROCESS ANALYSIS provided by COURSERA.
- Mr. Rahul P - 19BME020 has completed an online course on WORK SMARTER, NOT HARDER: TIME MANAGEMENT FOR PERSONAL & PROFESSIONAL PRODUCTIVITY provided by COURSERA.
- Mr. Rahul P - 19BME020 has completed an online course on CYBER SECURITY IN MANUFACTURING provided by COURSERA.
- Mr. Rahul P - 19BME020 has completed an online course on ROADMAP TO SUCCESS IN DIGITAL MANUFACTURING & DESIGN provided by COURSERA.
- Mr. Rahul P - 19BME020 has completed an online course on DIGITAL MANUFACTURING & DESIGN provided by COURSERA.
- Mr. Rahul P - 19BME020 has completed an online course on DIGITAL THREAD: IMPLEMENTATION provided by COURSERA.
- Mr. Rahul P - 19BME020 has completed an online course on DIGITAL THREAD: COMPONENTS provided by COURSERA.
- Mr. Rahul P - 19BME020 has completed an online course on INTELLIGENT MACHINING provided by COURSERA.
- Mr. Kishore Krisna S - 19BME013 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Kishore Krisna S - 19BME013 has completed an online course on PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON) provided by COURSERA.
- Mr. Tamil Selvan M - 19BME060 has completed an online course on DIGITAL MANUFACTURING & DESIGN provided by COURSERA.
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- Mr. Praveen K - 19BME059 has completed an online course on MATERIAL BEHAVIOR provided by COURSERA.
- Mr. Praveen K - 19BME059 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Praveen K - 19BME059 has completed an online course on SPEAK ENGLISH PROFESSIONALLY: IN PERSON, ONLINE & ON THE PHONE provided by COURSERA.
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- Mr. Vipin S - 19BME070 has completed an online course on MATERIAL BEHAVIOR provided by COURSERA.
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- Mr. Kavibharathi Rp - 19BME053 has completed an online course on MANAGING

PROJECT RISKS AND CHANGES provided by COURSERA.

- Mr. Kavibharathi Rp - 19BME053 has completed an online course on EFFECTIVE PROBLEM-SOLVING AND DECISION-MAKING provided by COURSERA.
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- Mr. Kavibharathi Rp - 19BME053 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Kavibharathi Rp - 19BME053 has completed an online course on INITIATING AND PLANNING PROJECTS provided by COURSERA.
- Mr. Kavibharathi Rp - 19BME053 has completed an online course on INITIATING AND PLANNING PROJECTS provided by COURSERA.
- Mr. Ashwinth K V - 19BME026 has completed an online course on DIGITAL MANUFACTURING & DESIGN provided by COURSERA.
- Mr. Ashwinth K V - 19BME026 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Ashwinth K V - 19BME026 has completed an online course on THE ART OF NEGOTIATION provided by COURSERA.
- Mr. Ashwinth K V - 19BME026 has completed an online course on MANAGING PROJECT RISKS AND CHANGES provided by COURSERA.
- Mr. Ashwinth K V - 19BME026 has completed an online course on INITIATING AND PLANNING PROJECTS provided by COURSERA.
- Mr. Ashwinth K V - 19BME026 has completed an online course on EFFECTIVE PROBLEM-SOLVING AND DECISION-MAKING provided by COURSERA.
- Mr. Ashwinth K V - 19BME026 has completed an online course on THE 3D PRINTING REVOLUTION provided by COURSERA.
- Mr. Ashwinth K V - 19BME026 has completed an online course on HIGH-IMPACT BUSINESS WRITING provided by COURSERA.
- Mr. Aarooran N - 19BME064 has completed an online course on SPEAK ENGLISH PROFESSIONALLY: IN PERSON, ONLINE & ON THE PHONE provided by COURSERA.
- Mr. Aarooran N - 19BME064 has completed an online course on MATERIAL BEHAVIOR provided by COURSERA.
- Mr. Aarooran N - 19BME064 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Naveenkumar S N - 19BME057 has completed an online course on MATERIAL BEHAVIOR provided by COURSERA.
- Mr. Naveenkumar S N - 19BME057 has completed an online course on VR AND 360 VIDEO PRODUCTION provided by COURSERA.
- Mr. Sai Mithun S - 19BME015 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Vivien Wilfred S - 19BME009 has completed an online course on DIGITAL MANUFACTURING & DESIGN provided by COURSERA.
- Mr. Vivien Wilfred S - 19BME009 has completed an online course on INITIATING AND PLANNING PROJECTS provided by COURSERA.
- Mr. Vivien Wilfred S - 19BME009 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Vivien Wilfred S - 19BME009 has completed an online course on THE 3D PRINTING REVOLUTION provided by COURSERA.
- Mr. Vivien Wilfred S - 19BME009 has completed an online course on MANAGING PROJECT RISKS AND CHANGES provided by COURSERA.
- Mr. Vivien Wilfred S - 19BME009 has completed an online course on EFFECTIVE PROBLEM-SOLVING AND DECISION-MAKING provided by COURSERA.
- Mr. Vivien Wilfred S - 19BME009 has completed an online course on THE ART OF NEGOTIATION provided by COURSERA.

- Mr. Lalith H N - 19BME008 has completed an online course on MANUFACTURING WITH FUSION 360 provided by COURSERA.
- Mr. Ravi Ragul R - 19BME016 has completed an online course on MANUFACTURING WITH FUSION 360 provided by COURSERA.
- Mr. Karthikeyan R - 19BME044 has completed an online course on INTRODUCTION TO ENGINEERING MECHANICS provided by COURSERA.
- Mr. Karthikeyan R - 19BME044 has completed an online course on ARCHITECTING SMART IOT DEVICES provided by COURSERA.
- Mr. Karthikeyan R - 19BME044 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Karthikeyan R - 19BME044 has completed an online course on PROGRAMMING FOR EVERYBODY provided by COURSERA.
- Mr. Ashok Kumar C - 19BME003 has completed an online course on INTRO TO DIGITAL MANUFACTURING WITH AUTODESK FUSION 360 provided by COURSERA.
- Mr. Roshan Louie R - 19BME046 has completed an online course on PROGRAMMING FOR EVERYBODY provided by COURSERA.
- Mr. Mohamed Riswan U - 19BME027 has completed an online course on FUSION 360 provided by COURSERA.
- Mr. Mohamed Riswan U - 19BME027 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Mohamed Riswan U - 19BME027 has completed an online course on PROGRAMMING FOR EVERYBODY provided by COURSERA.
- Mr. Preethi Sri S - 19BME011 has completed an online course on MANAGING PROJECT RISKS AND CHANGES provided by COURSERA.
- Mr. Preethi Sri S - 19BME011 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Preethi Sri S - 19BME011 has completed an online course on DIGITAL MANUFACTURING & DESIGN provided by COURSERA.
- Mr. Preethi Sri S - 19BME011 has completed an online course on PROBLEM-SOLVING AND DECISION-MAKING provided by COURSERA.
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- Mr. Preethi Sri S - 19BME011 has completed an online course on INITIATING AND PLANNING PROJECTS provided by COURSERA.
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- Mr. Preethi Sri S - 19BME011 has completed an online course on THE ART OF NEGOTIATION provided by COURSERA.
- Mr. Vijay Karikalan P - 19BME036 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Vijay Karikalan P - 19BME036 has completed an online course on THE 3D PRINTING REVOLUTION provided by COURSERA.
- Mr. Akash L - 19BME021 has completed an online course on THE 3D PRINTING REVOLUTION provided by COURSERA.
- Mr. Akash L - 19BME021 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Jagatheeswaran S - 19BME049 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Jagatheeswaran S - 19BME049 has completed an online course on MATERIALS SCIENCE: 10 THINGS EVERY ENGINEER SHOULD KNOW provided by COURSERA.
- Mr. Dinesh Kumar R - 19BME029 has completed an online course on MANUFACTURING WITH AUTODESK FUSION 360 provided by COURSERA.
- Mr. Dinesh Kumar R - 19BME029 has completed an online course on PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON) provided by COURSERA.
- Mr. Pranesh G - 19BME047 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Monish R - 19BME022 has completed an online course on THE ART OF NEGOTIATION provided by COURSERA.
- Mr. Monish R - 19BME022 has completed an online course on INITIATING AND PLANNING PROJECTS provided by COURSERA.
- Mr. Monish R - 19BME022 has completed an online course on HIGH-IMPACT BUSINESS WRITING provided by COURSERA.

- Mr. Monish R - 19BME022 has completed an online course on MANAGING PROJECT RISKS AND CHANGES provided by COURSERA.
- Mr. Monish R - 19BME022 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Monish R - 19BME022 has completed an online course on DIGITAL MANUFACTURING & DESIGN provided by COURSERA.
- Mr. Monish R - 19BME022 has completed an online course on THE 3D PRINTING REVOLUTION provided by COURSERA.
- Mr. Monish R - 19BME022 has completed an online course on EFFECTIVE PROBLEM-SOLVING AND DECISION-MAKING provided by COURSERA.
- Mr. Mohan R - 19BME017 has completed an online course on THE 3D PRINTING REVOLUTION provided by COURSERA.
- Mr. Mohan R - 19BME017 has completed an online course on PROGRAMMING FOR EVERYBODY provided by COURSERA.
- Mr. Mohan R - 19BME017 has completed an online course on MATERIALS SCIENCE: 10 THINGS EVERY ENGINEER SHOULD KNOW provided by COURSERA.
- Mr. Mohan R - 19BME017 has completed an online course on PYTHON DATA STRUCTURES provided by COURSERA.
- Mr. Sachin G P - 19BME043 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Sarvesh Chinniah A - 19BME052 has completed an online course on THE 3D PRINTING REVOLUTION provided by COURSERA.
- Mr. Sarvesh Chinniah A - 19BME052 has completed an online course on PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON) provided by COURSERA.
- Ms. Charunika A - 19BME071 has completed an online course on DIGITAL MANUFACTURING & DESIGN provided by COURSERA.
- Ms. Charunika A - 19BME071 has completed an online course on SPEAK ENGLISH PROFESSIONALLY: IN PERSON, ONLINE & ON THE PHONE provided by COURSERA.
- Ms. Charunika A - 19BME071 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Aswin Baalaje.R - 19BME069 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Sudharsan K - 19BME099 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Idhayaraja I - 19BME072 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Ms. Charunika.A - 19BME071 has completed an online course on EMBRACING CHANGE provided by HARAPPA EDUCATION.
- Mr. Idhayaraja I - 19BME072 has completed an online course on DATA SCIENCE FOUNDATION provided by GREAT LEARNING PLATFORM.
- Mr. S.Kishore Krisna - 19BME013 has completed an online course on INTRODUCTION TO DIGITAL MARKETING provided by GREAT LEARNING PLATFORM.
- Mr. Sivaprasad.M.K - 19BME033 has completed an online course on MARKETING 4P'S : PRICING provided by GREAT LEARNING PLATFORM.
- Mr. Roshan Louie.R - 19BME046 has completed an online course on SMART ENGLISH BASICS FOR PROFESSIONALS provided by GREAT LEARNING PLATFORM.
- Mr. J Satish Kumar - 19BME028 has completed an online course on SMART ENGLISH BASICS FOR PROFESSIONALS provided by GREAT LEARNING PLATFORM.
- Mr. Harshavardhanan.S - 19BME042 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Kamalesh.S - 19BME031 has completed an online course on INTRODUCTION TO PROGRAMMING WITH MATLAB provided by COURSERA.
- Mr. Hemavijay B - 19BME025 has completed an online course on THE 3D PRINTING REVOLUTION provided by COURSERA.
- Mr. Hemavijay B - 19BME025 has completed an online course on DIGITAL MANUFACTURING & DESIGN provided by COURSERA.
- Mr. Hemavijay B - 19BME025 has completed an online course on INITIATING AND PLANNING PROJECTS provided by COURSERA.

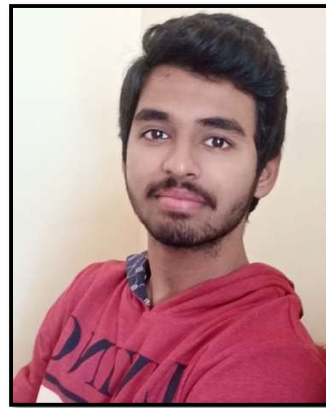


- Mr. Hemavijay B - 19BME025 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Hemavijay B - 19BME025 has completed an online course on MANAGING PROJECT RISKS AND CHANGES provided by COURSERA.
- Mr. Hemavijay B - 19BME025 has completed an online course on HIGH-IMPACT BUSINESS WRITING provided by COURSERA.
- Mr. Hemavijay B - 19BME025 has completed an online course on THE ART OF NEGOTIATION provided by COURSERA.
- Mr. Hemavijay B - 19BME025 has completed an online course on EFFECTIVE PROBLEM-SOLVING AND DECISION-MAKING provided by COURSERA.
- Mr. Praveen R - 19BME081 has completed an online course on PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON) provided by COURSERA.
- Mr. Praveen R - 19BME081 has completed an online course on MATERIAL BEHAVIOR provided by COURSERA.
- Mr. Shyam S B - 19BME076 has completed an online course on CRASH COURSE ON PYTHON provided by COURSERA.
- Mr. Shyam S B - 19BME076 has completed an online course on MATERIAL BEHAVIOR provided by COURSERA.
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- Mr. Kamalesh.S - 19BME031 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Obli Karthi - 19BME034 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Manav R Samant - 19BME006 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Yogeshkumar.S - 19BME098 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Sudharsan K - 19BME099 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Idhayaraja I - 19BME072 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Padrinarayan R - 19BME010 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Rahul P - 19BME020 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. S.Kishore Krisna - 19BME013 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Ashwinth.Kv - 19BME026 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Ashwinth.Kv - 19BME026 has completed an online course on DEEP LEARNING ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Lalith H N - 19BME008 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Ravi Ragul R - 19BME016 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Roshan Louie. R - 19BME046 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Ms. Preethi Sri - 19BME011 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Vijay - 19BME036 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Akash L - 19BME021 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. G.Pranesh - 19BME047 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. R.Monish - 19BME022 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.
- Mr. Hemavijay - 19BME025 has completed an online course on MATLAB ONRAMP provided by MATLAB - MATHWORKS.

- Mr. Kamalesh.S - 19BME031 has attended a webinar on INCREMENTAL SHEET METAL FORMING provided by SRM INSTITUTE OF SCIENCE AND TECHNOLOGY.
- Mr. Manav R Samant - 19BME006 has attended a webinar on BASIC TOOLS IN PHOTOSHOP AND KEY TO SUCCESS provided by RAMCO INSTITUTE OF TECHNOLOGY.
- Mr. Barani M - 19BME091 has attended a webinar on CHASSIS SYSTEM OF TWO-WHEELER, AUTOMOBILE IC ENGINE provided by NATIONAL SKILL DEVELOPMENT CORPORATION.
- Mr. Sudharsan K - 19BME099 has attended a webinar on UNLOCKING THE FUTURE POTENTIAL OF ENGINEERS provided by IWS.
- Mr. Idhayaraja I - 19BME072 has attended a webinar on UNLOCKING THE FUTURE POTENTIAL IN ENGINEERS provided by IWS.
- Mr. Rahul P - 19BME020 has attended a webinar on INCREMENTAL SHEET METAL FORMING provided by SRM INSTITUTE OF SCIENCE AND TECHNOLOGY.
- Mr. Kavibharathi R.P - 19BME053 has attended a webinar on INCREMENTAL SHEET METAL FORMING provided by SRM INSTITUTE OF SCIENCE AND TECHNOLOGY.
- Mr. Ashwinth.Kv - 19BME026 has attended a webinar on INCREMENTAL SHEET METAL FORMING provided by SRM INSTITUTE OF SCIENCE AND TECHNOLOGY.
- Mr. Mohamed Riswan U - 19BME027 has attended a workshop on WEBINAR ON INCREMENTAL SHEET METAL FORMING provided by SRM INSTITUTE OF SCIENCE AND TECHNOLOGY.
- Ms. Preethi Sri - 19BME011 has attended a workshop on ALUMNI TECH TALK SERIES provided by MECHANICAL ENGINEERING ASSOCIATION.
- Ms. Preethi Sri - 19BME011 has attended a workshop on HOW TO MAKE A KILLER PRESENTATION provided by RAC.
- Ms. Preethi Sri - 19BME011 has attended a workshop on ECE DIARIES provided by DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING.
- Ms. Preethi Sri - 19BME011 has attended a workshop on HIGHER STUDIES AND MASTERS.
- Ms. Preethi Sri - 19BME011 has attended a workshop on PLACEMENT AND TRAINING.

## STUDENT ARTICLES

### W16 ENGINE



Mr. Rahul – 19BME020  
2nd year Mechanical A

We all know that Bugatti Chiron is the fastest car in the world, for now at least, but did we ever think why that car is so faster than the speed of sound, that's because of the W16 engine present in it. What actually is W16 engine? Let's see briefly about it. W16 engines with three banks of four cylinders were used by several aircraft engines from 1917 until the 1930s. A three-bank design was also used for an unsuccessful W16 engine which was intended to compete in Formula One in 1990. This design failed due to space consumption but it produces enormous power that it is used in aircrafts like Napier lion etc. W16 petrol engine has been produced by Volkswagen Group since 2005. This four-bank engine – based on two VR6 engines with a common crankshaft is only used in Bugatti Veyron and Bugatti Chiron primarily. The Bugatti's engine alone can handle four turbochargers and the pressure inside the cylinders.

Bugatti Chiron is the fastest car as of now its maximum power is 1,177 kW (1,578 hp; 1,600 psi) at 7,000 rpm.

Bugatti is a French racing sports car manufacturer and it produces supercars. The engine is manufactured only by Volkswagen group which is its parent company and being used only in Bugatti models. It is basically two narrow-angle VR8

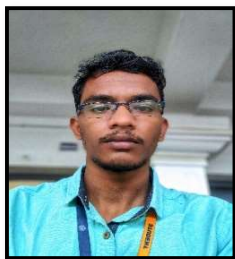
engines (based on the VR6 design) connected to a common crankshaft. It can accelerate from 0-100kmph in 2.3 seconds.



Is this engine limited to cars alone?

No, this type of engine was also used in motorcycles. The Jimenez Novia, a one-off sports car built in 1995, used a W16 engine with two crankshafts. It is built by combining four Yamaha FZR1000 inline-four motorcycle engines. The engine has a displacement of 4.0 L (244 cu in), eight camshafts and five valves per cylinder and produces 560 bhp (418 kW; 568 psi). That's why the Bugatti held the fastest production car record for many years and still it is pushing its limits.

#### 4-D PRINTING



Mr. Idhaya Raja – 19BME072  
2<sup>nd</sup> year Mechanical B

3D printing, also known as “Additive Manufacturing”, turns digital blueprints to physical objects by building them layer by layer. 4D printing is based on this technology. With one big difference: It uses special materials and sophisticated designs that are “programmed” to prompt your 3D print to change its shape.

So, basically, 4D printing is a renovation of 3D printing wherein special materials to print objects that change shape post-production. A trigger may

be water, heat, wind and other forms of energy. TED professor Skylar Tibbets first introduced the term 4D printing in his speech at the MIT Conference in February 2013.

4D printing is currently developed by many industry leaders and research facilities. As of 2017, the most important 4D printing companies/research labs are MIT's Self-Assembly Lab, 3D printing manufacturer Stratasys, and 3D software company Autodesk.

However, as you can see below, Australian and Singaporean researchers are rapidly gaining momentum. Their contributions extend the range of materials suitable for 4D printing and help in bringing the technology closer to marketability.

4D printing technology makes use of materials such as single shape memory polymers, liquid crystal elastomers, composite hydrogel, SMP composites, SMP multi-material, and other multifunctional material because of their thermomechanical properties and other material properties.

Due to their properties, they are called “Smart Materials,” which maintains a temporary shape and comes back to their original shape over the impact of external sources.



An object fabricated by 4D printing technology using smart materials when brought into contact with external sources, like heat, water, etc., reacts and changes its form and size as programmed. It enables us to fabricate objects which are much larger than the size of the printer.

The demand for 4D Printing is expected to rise drastically. It is anticipated that very soon, the 3D Printing will be completely replaced by 4D Printing.



**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 MISSION:**

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.

**B. E. MECHANICAL ENGINEERING**

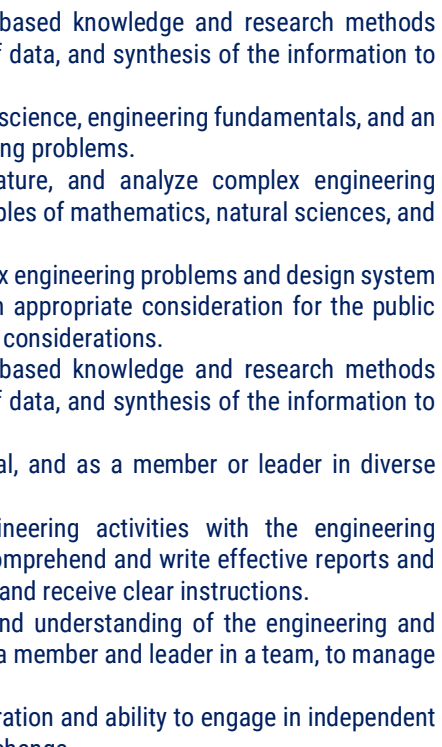
**PROGRAM EDUCATIONAL OUTCOMES (PEO's):**

- 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 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.



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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.
  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 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.

#### **M. E. INDUSTRIAL ENGINEERING**

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

- PEO 1 :** Graduates will be mid to higher level management / engineering professionals with responsibilities in engineering management, data analysis and business operations.
- PEO 2 :** Graduates will be engineering professionals, and technology leaders who would manage such functions as plant engineering, production, supply chain and quality management.
- PEO3 :** Graduates would function as educators or researchers in academic institutions.

#### **PROGRAM OUTCOMES (PO's):**

- P01** : An ability to independently carry out research /investigation and development work to solve practical problems.
- P02** : An ability to write and present a substantial technical report/document.
- P03** : Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.

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

- PS01** : Graduates able to apply the engineering management and data management concepts in industrial engineering areas.
- PS02** : Graduates able to apply industrial engineering skills and knowledge to manage the functions of production and supply chain management.

### **M. E. CAD/CAM**

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

- PE01** : Graduates excel in Professional career and/or higher education or/ research by continuously updating the knowledge and skill in the fields of Computer Aided Design and Manufacturing.
- PE02** : Graduates can analyze the complex problems using advanced modelling and analysis tools and thereby solve problems related to product design and manufacturing area.
- PE03** : Graduates work individually and also in a team with effective communication skills and pursue lifelong learning.

#### **PROGRAM OUTCOMES (PO's):**

- P01** : An ability to independently carry out research /investigation and development work to solve practical problems.
- P02** : An ability to write and present a substantial technical report/document.
- P03** : Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program

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

- PS01** : Graduates will be able to apply the knowledge and skill in solving the real-time problems in the Computer Aided Design and Manufacturing field.
- PS02** : Graduates will be able to analyse complex problems and provide solutions using advanced tools in product design and manufacturing area.