



Kongunadu
College of Engineering & Technology
[Autonomous]



(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai, Accredited by NBA(CSE,ECE,EEE), Accredited by NAAC with B++ Grade, Recognized by UGC with 2(f) & 12(B) and ISO 9001:2015 Certified Institution)

Namakkal - Trichy Main Road, Tholurpatti (P.O.), Thottiyam (TK), Trichy (Dt.) - 621 215.

DEPARTMENT OF MECHANICAL ENGINEERING



MECHCLUSTER - NEWSLETTER

Chairman's Message:



As the Chairman of Kongunadu Educational Institutions, I look back with enormous sense of pride, the amazing progress that our institution has made within a short span of time. This would not have been possible without the invaluable support and contribution of the

faculties, students, parents and my well-wishers. I strongly believe that serious, sincere and systematic services, surely secure supreme success. I feel very happy about the "MECHCLUSTER Newsletter" which is fashioned by the MECHANICAL students of our college, which includes the Department activities and achievements. I congratulate our students and wish them all the best.

Principal's Message:



Education is important for every individual in a nation. Technical Education plays a vital role in the development of any country. I feel happy about the "MECHCLUSTER Newsletter" which is released by the students in MECHANICAL Department. This is having more content

about the achievements of students and faculty. I wish them all the best.

Editorial Board :

Chief Editors :

- ♦ Dr. R.Venkatesh HoD/MECH
- ♦ Dr. A.Nithya ASP/MECH

Executive Editors :

- ♦ Mr. C.DineshBabu, AP/MECH
- ♦ Mr. M.Praveen,AP/Mech

Student Editors :

- ♦ Mr. D.Dinesh Babu - Final Year MECH
- ♦ Mr. A.Franklin Michael Raj - Final Year MECH
- ♦ Mr. X.Michael Richard - Third Year MECH
- ♦ Ms. M.Mohan Raj - Third Year MECH
- ♦ Mr. S.Myvizhi raja - Second Year MECH
- ♦ Mr. P.Prem kumar - Second Year MECH

Contents:

- ♦ College Vision & Mission
- ♦ Department Vision & Mission
- ♦ PEO, PSO, PO
- ♦ Department Activities
- ♦ Department Achievements
- ♦ Staff Achievement
- ♦ Students Achievements

College Vision/Mission

Vision

"To become an internationally renowned Institution in technical education, research and development, by transforming the students into competent professionals with leadership skills and ethical values."

Mission

- ✦ Providing the best resources and Infrastructure.
- ✦ Creating Learner centric Environment and continuous – Learning.
- ✦ Promoting Effective Links with Intellectuals and Industries.
- ✦ Enriching Employability and Entrepreneurial Skills.
- ✦ Adapting to Changes for Sustainable Development.

Department Vision/Mission

Vision

To endeavour the excellence in Mechanical Engineering field globally by producing competent and confident graduates to face the future challenges.

Mission

- ✦ Provide transformative education to students and improving their skills to face the global challenges in Mechanical and Allied Engineering.
- ✦ Nurture innovation, attitude, creativity, core competency and serve the society through requisite infrastructure and environment.
- ✦ Inculcate real world challenges, emerging technologies and endeavour the students to become entrepreneurs or employable.

Program Educational Objectives (PEO's)

- ✦ **PEO I** : Graduates shall excel in the field of design, thermal, materials and manufacturing, as successful engineers or researchers or as entrepreneurs.
- ✦ **PEO II** : Graduates will analyze problems, design solutions and develop products as a team member in advanced industrial projects.
- ✦ **PEO III** : Graduates shall have professional ethics, team spirit, life-long learning, good oral and written communication skills and adopt corporate culture, core values and leadership skills.

Program Specific Outcomes (PSOs)

- ✦ **PSO I : Professional skills** : Students shall understand, analyze, design and develop integrated equipment, thermal devices and composite components.
- ✦ **PSO II : Competency** : Students shall qualify at the State, National and International level competitive examination for employment, higher studies and research.

Program Outcomes (POs)

Engineering Graduates will be able to :

- 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.

5. **Modern tool usage** : Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. **The engineer and society** : Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. **Environment and sustainability** : Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. **Ethics** : Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and team work** : 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.

Department Activities

Common Programme organized by department

Webinar on ready to face virtual campus drive was conducted on 29th July 2020. The resource person was Mr.A.Sivabalu, Chief operation, Hondale Solution, Malaysia.

Consultancy Work

Project Titled “3D modelling and preparation of Fabrication drawings of typical guide vane and internal Truss and typical Straight Duct for NTPC Kudgi 800 MW FGDs” was funded an amount of Rs 50,000 by TryCAE Industrial Engineering Pvt, Ltd, Trichy and the project duration was conducted by 01st September 2020 to 30th November 2020.

Programmes Organized by the Department

A FDP on “ADVANCES IN THERMAL SCIENCE” was conducted from 17th August 2020 to 21st August 2020. The resources persons were Dr.K.Kalidasa Murugavel, Principal, National Engineering College, Kovilpatti, Mr.J.Phani Krishna, Senior Manager, Ansaldo Boilers, Chennai, Dr.G.Kasiraman, Associate Professor, SRM Institute of Science and Technology, Chennai Mr.M.Vivekanandan, CEO, TryCAE Industrial Engineering Pvt Ltd, Trichy & Dr.P.Dhamodharan, Certified Energy Auditor, Chennai.

External Activities

A Webinar on “Additive Manufacturing” was conducted on 15th September 2020. The resource person was Dr.R.Dinesh kumar, Post-Doctoral Research Fellow, Indian Institute of Technology, Guwahati, Assam.

A Webinar on “Challenges in Metal additive manufacturing-power to products” was conducted on 21st August 2020. The resource person was Dr.V.Anandhakrishnan, Associate Professor, Department of Production Engineering, National Institute of Technology, Trichy.

A Webinar on “Advanced in Hexa Meshing preprocessing work using altair Hypermesh software in CAE simulations” was organized on 08th August 2020. The resource person was Mr.M.Ramnathprahu, CAE Engineer, L&T Technology Services, Bangalore.

A Webinar on “Current Trends in Industrial Air Pollution Control” was organized on 11th June 2020. The resource person was Mr.J.Phani Krishna, Senior Manager-Project Engineering, Ansaldo Caldaie Boilers Private Limited, Chennai.

Internal Activities

Symposium

National Level Technical Symposium (Tek Cluster-2k20) was organized on 30th Aug 2020. The resource persons were Mr.R.Karthik, Mr.N.Sivashankar and Mr.A.Natarajan AP/ MECH, KNCET.

Webinar

Webinar on Organisations Structure in General and role of Mechanical Engineering in oil and Gas field was organized on 03rd June 2020. The resource Person was Mr.R.Venkatesh, Application Manager, Severn Glocon India Pvt Ltd, Chennai.

Webinar on Industrial trends & Design opportunities in automotive domain was organized on 07th Aug 2020. The resource person was Mr.Prabu Sriramm Technical Consultant, Digital Technologies, Chennai.

METAS Association Inaugural & Webinar on New Insights in Diesel Engine Exhaust Gas Treatment was conducted on 14th Aug 2020. The resource person was Mr.R.Suraj, Calibration Engineer, Robert Bosch and Business Solutions Pvt., Ltd., Chennai.

Webinar on Automotive Electrical was organized on 5th September 2020. The resource Person was Mr.V.Umeshkumar, Senior Engineer, Ashok Leyland Pvt,Ltd. Hosur.

Webinar on Performance and Evaluation of Electric/Hybrid Vehicle was organized on 17th September 2020. The resource person was Mr.Rajesh Muniswamy, Vehicle Performance Manager, Renault Nission Technology and Business Centre(I) Pvt Ltd, Chennai.

Webinar on Emerging Trends in Mechatronics was organized on 27th October 2020. The resource person was Mr.P.Sathishkumar, M.E, Research Associate, Department of Mining Engineering, Indian Institute of Technology (IIT), Kharagpur, West Bengal.

Webinar on Hydrogen Energy in I.C Engines was organized on 23rd November 2020. The resource person was Dr.V.Thanigaivelan, M.E,Ph.D Professor, Department of Mechanical Engineering SRM University, Ramapuram Chennai.

Webinar on Advancement in Polymeric Composites for Armour Applications was organized on 25th November 2020. The resource Person was Dr.J.Naveen, M.E,Ph.D Senior Assistant Professor, Department of Mechanical Engineering VIT University, Vellore.

HEC Activities

Webinar on Competency Skills for Employability and Higher Education was conducted on 30th November 2020. The resource person was Prof.N.Ramasubbu, ME.,(PhD) Assistant Professor, Government College of Engineering, Srirangam, Sethurappatti, Trichy.

Alumni Meet

Alumni Meet was conducted on 26th December 2020 at 5:00 PM to 6:00 PM.

Multimedia

Multimedia Inaugural function on “Visual Technicians and Dubbing Artist was organized on 30th November 2020. The Chief Guest was Mr.Aadthiya.B.E

SAE Activities

Webinar on Fundamentals of Passenger Car Brake Friction Materials was organized on 13th June 2020. The resource person was Mr.P.Baskara Sethupathi, Assistant Professor (Senior Grade), SRM Institute of Science and Technology, Chennai.

Webinar on An Overview of Automotive Brake System was organized on 11th September 2020. The resource person was Mr.R.Silambarasan, Assistant Manager, RNTBCI.

Webinar on Automotive Mechanics and its Pedagogy was organized on 16th September 2020. The resource person was Prof.T.Venkatesan, Director, Fifth Wheel Drive, The Education Centre, Trichy.

EDC Activities

Inauguration of EDC & Webinar on "How EDII, Govt. of TN Promotes Innovation & Entrepreneurship through IEDP & IVP was organized on 13th November 2020. The resource Person was Mr.Vinoth M.E., Field Coordinator EDII-AIEDC Trichy HUB, BIT Campus, Anna University, Trichy.

Webinar on "My story - Motivational Session by Successful Entrepreneur/Start up Founder" was conducted on 16th December 2020. The Chief Guest was Mr.M.Vivekanandan, Founder & CEO, TRY CAE Industrial Engineering Pvt, Ltd, Trichy.

Department Achievements

Patents

Mr.M.Vivekananthan, Dr.D.Jagadeesh, Dr.G.Saravanan, Dr.K.Periasamy, Mr.J.Phani Krishna, Mr.N.Mohan and Mr.S.Chandrakumar, filed a patent titled 'Twin Heat Transfer Mode Tubes Embedded with Absorber Plate', Application No-202041045455 A, 2020-2021 & 30th August 2020.

Mr.M.Vivekananthan, Dr.D.Jagadeesh, Dr.G.Saravanan, Dr.K.Periasamy, Mr.PhaniKrishna Mr.A.Natarajan and Mr.R.Karthik filed a patent titled 'Cascaded Spiral Tube Heat Exchanger', The Patent Office Journal, Application No-202041045454 A, 30th August 2020.

Publication in Journals

Mr.N.Sivashankar, Dr.K.Viswanathan, Dr.K.Periasamy, Dr.R.Venkatesh, Mr.S.Chandra kumar 2020 'Multi objective optimization of performance characteristic in drilling of Mg AZ61 using twist end mill drill tool, Elsevier – materials today proceedings. (Published in online).

Dr.D.Jagadeesh, Mr.M.Vivekanandan, Mr.A.Natarajan, Mr.S.Chandrasekar, 2020 'Experimental conditions to identify the ideal shape of dryer investigation of Six shapes of solar greenhouse dryer in no load, Elsevier – materials today proceedings. (Published in online).

Dr.V.Gopinath, Mr.R.Periyasamy, Mr.G.Selvakumar, Mr.RA.Kingslly and Mr.S.Logeswaran 2020 'Evaluation of the effect of gryogenic treatment of HSS drills in drilling SS310, Elsevier – materials today proceedings. (Published in online).

Mr.Ra.Aravind, Mr.V.Muthukumar, Mr.S.Kumaravel, Mr.E.Sivaprakash 2020 Performance assessment of 2 X 90 TPH (AFBC) boiler and study of Hp heater, Elsevier – materials today proceedings. (Published in online).

Mr.A.Kannan, Mr.R.Mohan, Dr.R.Viswanathan & Mr.N.Sivashankar 2020 Experimental Investigation on Surface Roughness Tool Wear and Cutting force in turning of Hybrid (Al7075+Sic+Gr) Metal Matrix Composites, Journal of Materials Research and technology, (Published in online).

Mr.M.Vivekanandhan, Dr.K.Periasamy, Mr.C.Dineshbabu, Mr.G.Selvakumar and Mr.R.Arivazhagan, 2020 'Experimental and CFD investigation of six shapes of solar greenhouse dryer in no load conditions to identify the ideal shape', Elsevier – materials today proceedings. (Published in online).

Mr.M.Vivekanandan, Dr.D.Jagadeesh, Mr.A.Natarajan, Mr.N.Mohan, Mr.M.Dineshkumar 2020 Experimental and CFD Investigation of Fully Developed Flow Solar Air Heater, Elsevier – materials today proceedings. (Published in online).

Mr.M.Vivekanandhan, Dr.R.Venkatesh, Mr.R.Periyasamy, Mr.S.Mohankumar, Mr.L.Devakumar 2020 "Experimental and CFD Investigation of Helical Coil Heat Exchanger with Flower Baffle", Elsevier – materials today proceedings. (Published in online).

Mr.M.Vivekanandhan, Dr.G.Saravanan, Mr.V.Vijayan Mr.K.Gopalakrishnan, Mr.J.Phani Krishna 2020 "Experimental and CFD Investigation of Spiral Tube Heat Exchanger", Elsevier – materials today proceedings. (Published in online)

Ganapathi Saravanan, Ramasamy Venkatachalam, Gurusamy & Nallakumarasamy, 2020 "Experimental assessment on the impact of cutouts on a hollow shaft system, Materials Testing, Vol.11, issue 62, pp1143-1146.

Mr.B.Babu, Mr.N.Mohan, "Defects reduction in a pump manufacturing industry using Six Sigma methodologies, Vol. 6, No. 1, pp. 805-811.

Mr.B.Babu, Mr.S.K.Karthikeyan, 2020, "Fabrication of Mechanised Conveyor using Four Bar Mechanism", Stard Research, Vol.7, No.11 pp. 316-319, Nov 2020.

Publications in International and National Conference

Dr.G.Saravanan, 'Experimental investigation and predict the GTAW process parameter on Al5052" in "International Virtual conference on 'Recent Innovation in Science, Engineering and Technology held at M.Kumarasamy College of Engineering on 03rd July 2020 to 4th July 2020.

Mr.M.Dineshkumar, "Evaluation of geometrical and machining process parameters optimization on EN 24 by using VMC" in "International Virtual Conference on 'Recent Innovation In Science, Engineering and Technology held at M.Kumarasamy College of Engineering on 03rd July 2020 to 4th July 2020.

Mr.K.Balasubramani, 'Optimization of Catalytic converter emission performance for Genset Diesel Engine & without Fuel additives' in International virtual Conference on 'Recent Innovation in Science, Engineering and Technology' held at M.Kumarasamy College of Engineering, Karur on 03rd July & 04th July 2020.

Dr.R.Venkatesh, 'Performance of Temperature of a Room by using Solar Chimney' in International Virtual Conference on 'Recent Innovation in Science, Engineering and Technology' held at M.Kumarasamy College of Engineering, Karur on 03rd July & 04th July 2020.

Dr.R.Venkatesh, 'Optimization and Experimental Investigation of Spiral Coil Heat Exchanger under Tema Standards' in International Virtual Conference on 'Recent Innovation in Science, Engineering and Technology' held at M.Kumarasamy College of Engineering, Karur on 03rd July & 04th July 2020.

Mr.V.Muthukumar, 'Clean Iron Casting Production' in International Virtual Conference on 'Recent Innovation in Science, Engineering and Technology' held at M.Kumarasamy College of Engineering, Karur on 03rd July & 04th July 2020.

NPTEL Course

Mr.K.Gopalakrishnan has successfully completed 4 week course on "Non Traditional Abrasive Machining Processes Ultrasonic Abrasive Jet and Abrasive water Jet Machining" with a consolidated score of 45 %.

FDP Attended

Mr.R.Karthik, AP of Mechanical Engineering department attended FDP on Core Competencies for Mechanical Engineers to Become Industry Ready held at St.Josephs College of Engineering on 06th June 2020.

Mr.R.Karthik, AP of Mechanical Engineering department attended FDP on Industrial Applications for Z & Y Gen Engineers - "Applications of Welding & NDT in Industry" held at Ramco Institute of Technology on 09th June 2020.

Mr.R.Karthik, AP of Mechanical Engineering department attended FDP on Evolution of Connected Factories held at MLR institute of technology on 14th June 2020.

Mr.R.Karthik, AP of Mechanical Engineering department attended FDP on Research trends in Mechanical Engineering held at Gudlavalluru Engineering College on 15th June 2020 to 20th June 2020.

Mr.R.Karthik, AP of Mechanical Engineering department attended FDP on "Development of Low Cost Solar Air Collectors" held at Francis Xavier Engineering College on 22nd June 2020.

Mr.S.Chandrakumar, AP of Mechanical Engineering department attended FDP on "Contemporary Developments in Manufacturing Processes, Sustainable Manufacturing and Industrial Technologies" held at Pragati Engineering College on 09th June 2020 to 13th June 2020.

Mr.S.Chandrakumar, AP of Mechanical Engineering department attended FDP on Mechanical Behaviour of Advanced Materials and Its Scope for Engineering Applications held at Sri Venkateswara College of Engineering on 10th June 20th to 14th June 2020.

Mr.S.Chandrakumar, AP of Mechanical Engineering department attended FDP on recent innovations and futuristic scope for research in Internal Combustion engines held at St.Joseph College of engineering on 29th June 2020 to 04th July 2020.

Mr.V.Vairamani, AP of Mechanical Engineering department attended FDP on Swotting of Digital tool for effective online teaching held at Sona College of Technology on 22nd June 2020 to 26th June 2020.

Mrs.V.Selvam, AP of Mechanical Engineering department attended FDP on virtual Reality and Augmented reality in Education perspectives held at Hindustan College of arts and science on 08th June 2020.

Mr.S.Mohankumar, AP of Mechanical Engineering department attended FDP on Virtual Reality and Augmented Reality in Education Perspectives held at Hindustan College of Arts and Science on 08th June 2020.

Mr.E.Sivaprakash, AP of Mechanical Engineering department attended FDP on Virtual Reality and Augmented Reality in Education Perspectives held at Hindustan College of Arts and Science on 08th June 2020.

Mr.E.Sivaprakash, AP of Mechanical Engineering department attended FDP on Capacity Building for Effective Student Mentoring held at M. O. P. Vaishnav College on 10th June 2020.

Mr.S.K.Karthikeyan, ASP of Mechanical Engineering department attended FDP on Research Methodology held at Jeppiaar Institute of Technology on 01st June 2020 to 02nd June 2020.

Mr.S.K.Karthikeyan, ASP of Mechanical Engineering department attended FDP on Arduino (Spoken English Tutorial) held at Kings Engineering College & IIT Bombay on 01st June 2020 to 05th June 2020.

Mr.S.K.Karthikeyan, ASP of Mechanical Engineering department attended FDP on Design Thinking held at Madanapalle Institute of Technology & Science on 01st June 2020 to 05th June 2020.

Mr.S.K.Karthikeyan, ASP of Mechanical Engineering department attended FDP on Advancements in Material Science held at Jeppiaar Institute of Technology on 05th June 2020 to 06th June 2020.

Mr.S.K.Karthikeyan, ASP of Mechanical Engineering department attended FDP on Renewable Energy Systems held at Panimalar Institute of Technology on 8th June 2020 to 12th June 2020.

Mr.S.K.Karthikeyan, ASP of Mechanical Engineering department attended FDP on Research Trends in Mechanical Engineering held at Gudlavalluru Engineering College on 15th June 2020 to 20th June 2020.

Mr.R.Arivazhagan, ASP of Mechanical Engineering department attended FDP on The Role of Artificial Intelligence and Machine learning in robotics and automation held at Anurag University on 01st June 2020 to 03rd June 2020.

Mr.R.Arivazhagan, ASP of Mechanical Engineering department attended FDP on Design thinking held at Madanapalle Institute of Technology & science on 01st June 2020 to 05th June 2020.

Mr.R.Arivazhagan, ASP of Mechanical Engineering department attended FDP on enhancing the quality of academic and sponsored research held at K.L.N College of Engineering on 04th June 2020 to 06th June 2020.

Mr.R.Arivazhagan, ASP of Mechanical Engineering department attended FDP on Advancements in Materials Science held at Jeppiaar Institute of Technology on 05th June 2020 and 06th June 2020.

Mr.R.Arivazhagan, ASP of Mechanical Engineering department attended FDP on Virtual Reality and Augmented Reality in Education Perspectives held at Hindustan College of Arts and Science on 08th June 2020.

Mr.R.Arivazhagan, ASP of Mechanical Engineering department attended FDP on Road Map to Get a Quality Patent held at Jeppiaar Institute of Technology on 08th June 2020.

Mr.R.Prakash, AP of Mechanical Engineering department attended FDP on Advancements in Materials Science held at Jeppiaar Institute of Technology on 05th June 2020 and 06th June 2020.

Mr.Ra.Aravind, AP of Mechanical Engineering department attended FDP on Technological Advancements In Mechanical Engineering held at Balaji Institute of Technology And Science on 29th June 2020 to 03rd July 2020.

Mr.K.Gopalakrishnan, AP of Mechanical Engineering department attended FDP on Research Methodology held at Jeppiaar Institute of Technology on 01st June 2020 to 2nd June 2020.

Mr.K.Gopalakrishnan, AP of Mechanical Engineering department attended FDP on The Role of Artificial Intelligence and Machine Learning in Robotics and Automation held at Anurag University, Hyderabad on 01st June 2020 to 03rd June 2020.

Mr.K.Gopalakrishnan, AP of Mechanical Engineering department attended FDP on Advancements in Materials Science held at Jeppiaar Institute of Technology on 05th June 2020 to 06th June 2020.

Mr.K.Gopalakrishnan, AP of Mechanical Engineering department attended FDP on Emerging Research Areas in Engineering held at SRM Institute of Science and Technology on 05th June 2020 to 09th June 2020.

Mr.K.Gopalakrishnan, AP of Mechanical Engineering department attended FDP on Manufacturing, Machining and Testing of composites held at SRM Institute of Science & Technology on 15th June 2020 to 19th June 2020.

Mr.A.Mathankumar, AP of Mechanical Engineering department attended FDP on Research Methodology held at Jeppiaar Institute of Technology on 01st June 2020 to 02nd June 2020.

Mr.N.Mohan, AP of Mechanical Engineering department attended FDP on Challenges for College Teachers in the New Educational Scenario held at Mary Matha College of Arts and Science on 06th June 2020.

Mr.N.Mohan, AP of Mechanical Engineering department attended FDP on Technological Advancements in Mechanical Engineering held at Balaji Institute of Technology And Science on 29th June 2020 to 03rd July 2020.

Mr.N.Mohan, AP of Mechanical Engineering department attended FDP on Emerging Research Areas in Mechanical Engineering held at CMR Technical Campus on 29th June 2020 to 03rd July 2020.

Mr.N.Mohan, AP of Mechanical Engineering department attended FDP on Embrassing the Creative side of teaching and Learning Methods held at RMK College of Engineering and Technology on 29th June 2020 to 03rd July 2020.

Mr.M.Dineshkumar, AP of Mechanical Engineering department attended FDP on Future materials : Nanocomposites held at Bharathi Vidyapeeth College of Engineering on 15th June 2020 to 21st June 2020.

Mr.R.Karthik, AP of Mechanical Engineering department attended FDP on Failure and Damage Mechanics of High Performance Engineering Materials held at Anil Neerukonda Institute of Technology & Science on 13th July 2020 to 18th July 2020.

Mr.S.Chandrakumar, AP of Mechanical Engineering department attended FDP on Applications of Tools and Techniques in Research Methodology held at Paavai engineering college on 21st July 2020 to 23rd July 2020.

Mr.S.Mohankumar, AP of Mechanical Engineering department attended FDP on Mechatronics in Smart Manufacturing for the Future held at Bannari Amman Institute of Technology on 01st July 2020 to 05th July 2020.

Mr.M.Praveen, AP of Mechanical Engineering department attended FDP on Application of PCM Nanofluids in Thermal Power Plants held at Francis Xavier Engineering College on 29th June 2020 to 4th July 2020.

Mr.M.Praveen, AP of Mechanical Engineering department attended FDP on Nanomaterials Synthesis, Process, Characterization and its Functional Applications held at Hindustan College of Engineering and Technology on 4th July 2020.

Mr.E.Sivaprakash, AP of Mechanical Engineering department attended FDP on Research Innovations in Mechanical Engineering held at Sasi Institute of Technology and Engineering on 13th July 2020 to 17th July 2020.

Mr.E.Sivaprakash, AP of Mechanical Engineering department attended FDP on recent Research Developments in Materials Engineering and Mechanical Design held at Vishnu Institute of Technology on 21st July 2020 to 25th July 2020.

Ms.V.Selvam, AP of Mechanical Engineering department attended FDP on Enriching the Minds of students through ICT based Learning held at Jayawantrao sawant Institute of management & Research on 04th July 2020.

Mr.S.K.Karthikeyan, ASP of Mechanical Engineering department attended FDP on Recent Developments in Material Science and Radiation Technology held at Vidyavardhaka College of Engineering on 8th July 2020 to 10th July 2020.

Mr.R.Prakash, AP of Mechanical Engineering department attended FDP on Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles held at Bapatla Engineering College on 01st July 2020 to 05th July 2020.

Mr.R.Periyasamy, AP of Mechanical Engineering department attended FDP on Applications of Tools & Techniques in Research Methodology held at Paavai Engineering College on 21st July 2020 to 23rd July 2020.

Dr.R.Venkatesh, Professor of Mechanical Engineering department attended FDP on Technological Advancements in Mechanical Engineering held at Balaji Institute of Technology And Science on 29th June 2020 to 03rd July 2020.

Mr.V.Muthukumar, AP of Mechanical Engineering department attended FDP on Technological Advancements in Mechanical Engineering held at Balaji Institute of Technology And Science on 29th June 2020 to 03rd July 2020.

Dr.A.Nithya, ASP of Mechanical Engineering department attended FDP on Enriching the minds of the Students through ICT Based Learning held at Jayawantrao Sawant Institute of management and research on 04th July 2020.

Dr.D.Jagadeesh, ASP of Mechanical Engineering department attended FDP on Mechatronics in Smart Manufacturing held at Banari Amman Institute of Technology on 01st July 2020 to 05th July 2020.

Mr.M.Dineshkumar, AP of Mechanical Engineering department attended FDP on Recent trends in Manufacturing held at Mahatma Gandhi Institute of Technology on 28th July 2020 to 1st August 2020.

Mr.G.Selvakumar, AP of Mechanical Engineering department attended FDP on Mechatronics in Smart Manufacturing for the Future held at Bannari Amman Institute of Technology on 01st July 2020 to 05th July 2020.

Dr.R.Venkatesh, Professor of Mechanical Engineering department attended FDP on Advancement in Manufacturing Technologies for Industrial Applications held at Gyan Ganga Institute of Technology and Sciences on 24th August 2020 to 28th August 2020.

Mr.R.Karthik, AP of Mechanical Engineering department attended FDP on "Advanced Optimization Techniques for Research Problem Solving" held at Mahatma Gandhi Institute of Technology on 04th August 2020 to 08th August 2020.

Mr.R.Karthik, AP of Mechanical Engineering department attended FDP on Application of Intelligent Optimization Techniques for Engineering Research (Phase-I) held at Bannari Amman Institute of Technology on 10th August 2020 to 15th August 2020.

Mr.A.Natarajan, AP of Mechanical Engineering department attended FDP on Energy Engineering held at Syed Ammal Engineering College (AICTE- ATAL) 24th August 2020 to 28th August 2020.

Mr.S.Chandrakumar, AP of Mechanical Engineering department attended FDP on Advances in Thermal Science held at Kongunadu College of Engineering and Technology on 17th August 2020 to 21st August 2020.

Mr.S.Chandrakumar, AP of Mechanical Engineering department attended FDP on Industry 4.0 held at NITTE Meenakshi Institute of Technology on 24th August 2020 to 28th August 2020.

Mr.V.Vairamani, AP of Mechanical Engineering department attended FDP on Advances in thermal science held at Kongunadu College of engineering Technology on 17th August 2020 to 21st August 2020.

Mr.V.Vairamani, AP of Mechanical Engineering department attended FDP on Authors conclave held at SRM Institute of science and Technology on 14th August 2020.

Mr.V.Vairamani, AP of Mechanical Engineering department attended FDP on Recent advancements in Mechanical Engineering held at Godavari Institute of Engineering and Technology on 04th August 2020 to 08th August 2020.

Mr.S.Mohankumar, AP of Mechanical Engineering department attended FDP on Advances in Thermal Science held at Kongunadu College of Engineering and Technology on 17th August 2020 to 21st August 2020.

Mr.S.Mohankumar, AP of Mechanical Engineering department attended FDP on Energy storage and E-mobility held at Syed Ammal Engineering College on 24th August 2020 to 28th August 2020.

Mr.M.Praveen, AP of Mechanical Engineering department attended FDP on Energy storage and E-mobility held at Syed Ammal Engineering Colleges on 24th August 2020 to 28th August 2020.

Mr.E.Sivaprakash, AP of Mechanical Engineering department attended FDP on Advances in Thermal Science held at Kongunadu College of Engineering and Technology on 17th August 2020 to 21st August 2020.

Mr.E.Sivaprakash, AP of Mechanical Engineering department attended FDP on Novel Materials held at Government College of Engineering on 17th August 2020 to 21st August 2020.

Ms.V.Selvam, AP of Mechanical Engineering department attended FDP on Advances in Thermal Science held at Kongunadu College of Engineering and Technology on 17th August 2020 to 21st August 2020.

Mr.S.K.Karthikeyan, ASP of Mechanical Engineering department attended FDP on Advances in thermal Science held at Kongunadu College of Engineering and Technology on 17th August 2020 to 21st August 2020.

Mr.R.Prakash, AP of Mechanical Engineering department attended FDP on Advances in thermal Science held at Kongunadu College of Engineering and Technology on 17th August 2020 to 21st August 2020.

Mr.Ra.Aravind, AP of Mechanical Engineering department attended FDP on Advances in Thermal Engineering held at Kongunadu College of Engineering And Technology on 17th August 2020 to 21st August 2020.

Mr.Ra.Aravind, AP of Mechanical Engineering department attended FDP on Novel Materials held at Government College of Engineering, Thanjavur on 17th August 2020 to 21st August 2020.

Mr.K.GopalaKrishnan, AP of Mechanical Engineering department attended FDP on Advances in thermal Science held at Kongunadu College of Engineering and Technology on 17th August 2020 to 21st August 2020.

Mr.A.Mathankumar, AP of Mechanical Engineering department attended FDP on Advances in thermal Science held at Kongunadu College of Engineering and Technology on 17th August 2020 to 21st August 2020.

Mr.A.Mathankumar, AP of Mechanical Engineering department attended FDP on BLOCK CHAIN held at Mahendra College of Engineering on 31st August 2020 to 04th September 2020.

Mr.P.Raja, AP of Mechanical Engineering department attended FDP on Advances in thermal Science held at Kongunadu College of Engineering and Technology on 17th August 2020 to 21st August 2020.

Mr.V.Muthukumar, AP of Mechanical Engineering department attended FDP on Advances in thermal Science held at Kongunadu College of Engineering and Technology on 17th August 2020 to 21st August 2020.

Mr.S.Kumaravel, AP of Mechanical Engineering department attended FDP on Advances in Thermal Engineering held at Kongunadu College of Engineering & Technology on 17th August 2020 to 21st August 2020.

Mr.R.Thirunavukkarasu, AP of Mechanical Engineering department attended FDP on Advances in Thermal Engineering held at Kongunadu College of Engineering & Technology on 17th August 2020 to 21st August 2020.

Mr.M.Dineshkumar, AP of Mechanical Engineering department attended FDP on AICTE sponsored virtual STTP on "Smart Materials for Intelligent future : Industrial and defense perspective" held at KSR College of Technology on 17th August 2020 to 22nd August 2020.

Mr.M.Dineshkumar, AP of Mechanical Engineering department attended FDP on Advances in Thermal Science held at Kongunadu College of Engineering and Technology on 17th August 2020 to 21st August 2020.

Mr.G.Selvakumar, AP of Mechanical Engineering department attended FDP on Industrial automation and control held at SLN college of Engineering on 28th August 2020 to 01st September 2020.

Mr.G.Selvakumar, AP of Mechanical Engineering department attended FDP on Advances in Thermal Science held at Kongunadu College of Engineering and Technology on 17th August 2020 to 21st August 2020.

Mr.P.Raja, AP of Mechanical Engineering department attended FDP on Alternate Fuels held at Christian College of Engineering & Technology on 07th September 2020 to 11th September 2020.

Mr.P.Raja, AP of Mechanical Engineering department attended FDP on Application of Intelligent Optimization Techniques for Engineering Research (phase-2) held at Bannari Amman Institute of Technology on 27th August 2020 to 02nd September 2020.

Mr.N.Mohan, AP of Mechanical Engineering department attended FDP on Application of Intelligent Optimization Techniques for Engineering Research (phase-2) held at Bannari Amman Institute of Technology on 27th August 2020 to 02nd September 2020.

Mr. R.Karthik, AP of Mechanical Engineering department attended FDP on Application of Intelligent Optimization Techniques for Engineering Research (phase-2) held at Bannari Amman Institute of Technology on 27th August 2020 to 02nd September 2020.

Mr.R.Prakash, AP of Mechanical Engineering department attended FDP on 3D Printing and Design held at K S R Institute for Engineering and Technology on 07th September 2020 to 11th September 2020.

Mr.R.Prakash, AP of Mechanical Engineering department attended FDP on Energy Engineering held at Velammal Engineering College on 17th September 2020 to 21st September 2020.

Ms.V.Selvam, AP of Mechanical Engineering department attended FDP on 3D Printing and Design held at K S R Institute for Engineering and Technology on 07th September 2020 to 11th September 2020.

Ms.V.Selvam, AP of Mechanical Engineering department attended FDP on Smart Manufacturing - Opportunities and Challenges held at St.Joseph's College of Engineering on 14th September 2020 to 19th September 2020.

Mr.K.Gopalakrishnan, AP of Mechanical Engineering department attended FDP on Sustainability Engineering held at Kongu Engineering College on 07th September 2020 to 11th September 2020.

Mr.K.Gopalakrishnan, AP of Mechanical Engineering department attended FDP on Robotic Welding & Welding Automation held at PSG College of Technology on 21st September 2020 to 25th September 2020.

Mr.R.Periyasamy, AP of Mechanical Engineering department attended FDP on 3D Printing and Design held at B.M.S. College of Engineering on 01st September 2020 to 05th September 2020.

Mr.R.Periyasamy, AP of Mechanical Engineering department attended FDP on Alternate Fuels held at Shaheed Bhagat Singh State Technical Campus on 07th September 2020 to 11th September 2020.

Mr.M.Praveen, AP of Mechanical Engineering department attended FDP on Alternate fuels held at Christian College of Engineering and Technology on 07th September 2020 to 11th September 2020.

Mr.A.Mathankumar, AP of Mechanical Engineering department attended FDP on Alternative Fuels held at Don Bosco Institute of Technology on 21st September 2020 to 25th September 2020.

Mr.S.K.Karthikeyan, ASP of Mechanical Engineering department attended FDP on Robotic Welding & Welding Automation held at PSG College of Technology on 21st September 2020 to 25th September 2020.

Mr.S.Chandrakumar, AP of Mechanical Engineering department attended FDP on Alternate Fuels held at Shaheed Bhagat Singh State Technical Campus on 07th September 2020 to 11th September 2020.

Mr.V.Vairamani, AP of Mechanical Engineering department attended FDP on Sustainability Engineering held at Kongu Engineering College on 07th September 2020 to 11th September 2020.

Mr.V.Vairamani, AP of Mechanical Engineering department attended FDP on Energy Engineering held at Velammal Engineering College on 17th September 2020 to 21st September 2020.

Mr.A.Natarajan, AP of Mechanical Engineering department attended FDP on Energy Engineering held at Velammal Engineering College on 17th September 2020 to 21st September 2020.

Mr.P.Raja, AP of Mechanical Engineering department attended FDP on Alternate Fuels held at Christian College of Engineering & Technology on 07th September 2020 to 11th September 2020.

Mr.P.Raja, AP of Mechanical Engineering department attended FDP on Application of Intelligent Optimization Techniques for Engineering Research (phase-2) held at Bannari Amman Institute of Technology on 27th August 2020 to 02nd September 2020.

Mr.N.Mohan, AP of Mechanical Engineering department attended FDP on Application of Intelligent Optimization Techniques for Engineering Research (phase-2) held at Bannari Amman Institute of Technology on 27th August 2020 to 02nd September 2020.

Mr.R.Karthik, AP of Mechanical Engineering department attended FDP on Application of Intelligent Optimization Techniques for Engineering Research (phase-2) held at Bannari Amman Institute of Technology on 27th August 2020 to 02nd September 2020.

Mr.R.Prakash, AP of Mechanical Engineering department attended FDP on 3D Printing and Design held at K S R Institute for Engineering and Technology on 07th September 2020 to 11th September 2020.

Mr.R.Prakash, AP of Mechanical Engineering department attended FDP on Energy Engineering held at Velammal Engineering College on 17th September 2020 to 21st September 2020.

Ms.V.Selvam, AP of Mechanical Engineering department attended FDP on 3D PRINTING AND DESIGN held at K S R Institute for Engineering and Technology on 07th September 2020 to 11th September 2020.

Ms.V.Selvam, AP of Mechanical Engineering department attended FDP on Smart Manufacturing - Opportunities and Challenges held at St.Joseph's College of Engineering on 14th September 2020 to 19th September 2020.

Mr.K.Gopalakrishnan, AP of Mechanical Engineering department attended FDP on Sustainability Engineering held at Kongu Engineering College on 07th September 2020 to 11th September 2020.

Mr.K.Gopalakrishnan, AP of Mechanical Engineering department attended FDP on Robotic Welding & Welding Automation held at PSG College of Technology on 21st September 2020 to 25th September 2020.

Mr.M.Praveen, AP of Mechanical Engineering department attended FDP on Alternate fuels held at Christian College of engineering and technology on 07th September 2020 to 11th September 2020.

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Mr.S.Chandrakumar, AP of Mechanical Engineering department attended FDP on Alternate Fuels held at Shaheed Bhagat Singh State Technical Campus on 07th September 2020 to 11th September 2020.

Mr.V.Vairamani, AP of Mechanical Engineering department attended FDP on Sustainability Engineering held at Kongu Engineering College on 07th September 2020 to 11th September 2020.

Mr.V.Vairamani, AP of Mechanical Engineering department attended FDP on Energy Engineering held at Velammal Engineering College on 17th September 2020 to 21st September 2020.

Mr.A.Natarajan, AP of Mechanical Engineering department attended FDP on Energy Engineering held at Velammal Engineering College on 17th September 2020 to 21st September 2020.

Mr.S.Mohankumar, AP of Mechanical Engineering department attended FDP on Sensors Technology held at Gnanamani College of Technology on 05th October 2020 to 09th October 2020.

Dr.K.Periasamy, Professor of Mechanical Engineering department attended FDP on 3D Printing & Design held at KLN College of Engineering on 30th Nov 2020 to 04th Dec 2020.

Dr.D.Jagadeesh ASP of Mechanical Engineering department attended FDP on 3D Printing & Design held at KLN College of Engineering on 30th Nov 2020 to 04th Dec 2020.

Dr.G.Saravanan ASP of Mechanical Engineering department attended FDP on Robotics-an Application in Medical Science held at Maulana Azad National Institute of Technology on 01st Dec 2020 to 05th Dec 2020.

Mr.R.Arivazhagan ASP of Mechanical Engineering department attended FDP on Additive Manufacturing held at Noida Institute of Engineering & Technology on 09th Nov 2020 to 13th Nov 2020.

Mr.R.Arivazhagan ASP of Mechanical Engineering department attended FDP on 3D Printing & Design held at Maharishi Dayanand University on 23rd Nov 2020 to 27th Nov 2020.

Mr.S.K.Karthikeyan ASP of Mechanical Engineering department attended FDP on Molecular Manufacturing held at Central University of Punjab on 23rd Nov 2020 to 27th Nov 2020.

Mrs.V.Selvam AP of Mechanical Engineering department attended FDP on Electric Vehicles held at University College of Engineering on 30th Nov 2020 to 04th Dec 2020.

Mrs.V.Selvam AP of Mechanical Engineering department attended FDP on 3D Printing & Design held at Maharishi Dayanand University on 23rd Nov 2020 to 27th Nov 2020

Mr.C.Dineshbabu AP of Mechanical Engineering department attended FDP on Waste Technology held at Manipal University on 02nd Nov 2020 to 06th Nov 2020.

Mr.Ra.Aravind AP of Mechanical Engineering department attended FDP on 3D Printing & Design held at Maharishi Dayanand University on 23rd Nov 2020 to 27th Nov 2020.

Mr.V.Muthukumar, AP of Mechanical Engineering department attended FDP on Robotics held at Motilal Nehru National Institute of Technology, Prayagraj on 02nd Nov 2020 to 06th Nov 2020.

Mr.S.Kumaravel, AP of Mechanical Engineering department attended FDP on Novel Materials held at SRM Institute of Science and Technology on 09th Nov 2020 to 13th Nov 2020.

Mr.S.Mohankumar, AP of Mechanical Engineering department attended FDP on Thermal Energy Based Micro/Nano Machining Processes held at Babu Banarasi Das Institute of Technology and Management on 02nd Nov 2020 to 06th Nov 2020.

Mr.S.Kumaravel, AP of Mechanical Engineering department attended FDP on Research Aspects of Powder Metallurgy Based Direct Digital Manufacturing held at Mepco Schlenk Engineering College (Autonomous), Sivakasi on 30th Nov 2020 to 5th Dec 2020.

Mr.Ra.Aravind AP of Mechanical Engineering department attended FDP on Thermal Energy Based Micro/Nano Machining Processes held at Babu Banarasi Das Institute of Technology and Management on 02nd Nov 2020 to 06th Nov 2020.

Mr.E.Sivaprakash, AP of Mechanical Engineering department attended FDP on Innovations in Mechanical Engineering and Science held at Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai, on 24th Nov 2020 to 30th Nov 2020.

Dr.R.Venkatesh, Professor of Mechanical Engineering department attended FDP on Thermal Energy based Micro/Nano Machining Processes held at Babu Banarasi Das Institute of Technology and Management, Lucknow on 02nd November 2020 to 06th November 2020.

Dr.K.Periasamy, Professors of Mechanical Engineering Department attended FDP on Alternate Fuels held at University College of Engineering on 08th November 2020 to 12th November 2020.

Dr.G.Saravanan, ASP of Mechanical Engineering Department attended FDP on Robotics-An application in Medical Science held at Maulana Azad National Institute of Technology on 01st December 2020 to 12th December 2020.

Dr.V.Gopinath, ASP of Mechanical Engineering attended FDP on Electric Vehicles held at Bhilai Institute of Technology on 07th December 2020 to 11th December 2020.

Mr.N.Mohan AP of Mechanical Engineering attend FDP on Green Technology & Sustainable Technology Engineering at LD College of Engineering on 15th December 2020 to 19th December 2020.

Mr.C.Dineshbabu, AP of Mechanical Engineering attended FDP on 3D Printing & Design held at National Institute Technology, Patna on 07th December 2020 to 11th December 2020.

Mr.N.Ravikumar, AP of Mechanical Engineering Department attended FDP on Alternate Fuels held at University College of Engineering on 08th November 2020 to 12th November 2020.

Mr.N.Ravikumar, AP of Mechanical Engineering Department attended FDP on Robotics-An application in Medical Science held at Maulana Azad National Institute of Technology on 01st December 2020 to 12th December 2020.

Mr.E.Sivaprakash, AP of Mechanical Engineering Department attended FDP on Alternate Fuels held at University College of Engineering on 08th November 2020 to 12th November 2020.

Students Achievements

Publications in Conference

K.Saruvamalai, M.SaranKumar, P.SelvaKumar & G.Sathiyaraj IV year of Mechanical Department presented paper on 'Clean Iron Casting Production' in International virtual Conference on 'Recent Innovation in Science, Engineering and Technology' held at M.Kumarasamy College of Engineering, Karur on 03rd July & 04th July 2020.

N.SubashChandraBose,P.Veeramani,M.Thangamarutha i & M.Vinoth presented paper on 'Optimization of Catalytic converter emission performance for Genset Diesel Engine & without Fuel additives' in International virtual Conference on 'Recent Innovation in Science, Engineering and Technology' held at M.Kumarasamy College of Engineering, Karur on 03rd July & 04th July 2020.

P.VSathishKumar,S.SethuPathiraja, & R.Sivacharan presented paper on 'Performance of Temperature of a Room by using Solar Chimney' in International virtual Conference on 'Recent Innovation in Science, Engineering and Technology' held at M.Kumarasamy College of Engineering, Karur on 03rd July & 04th July 2020.

V.Sathish Kumar, A.Sudharsan, C.Mohanram & M.Manojkumar presented paper on 'Optimization and Experimental Investigation of Spiral Coil Heat Exchanger under Tema Standards' in International virtual Conference on 'Recent Innovation in Science, Engineering and Technology' held at M.Kumarasamy College of Engineering, Karur on 03rd July & 04th July 2020.

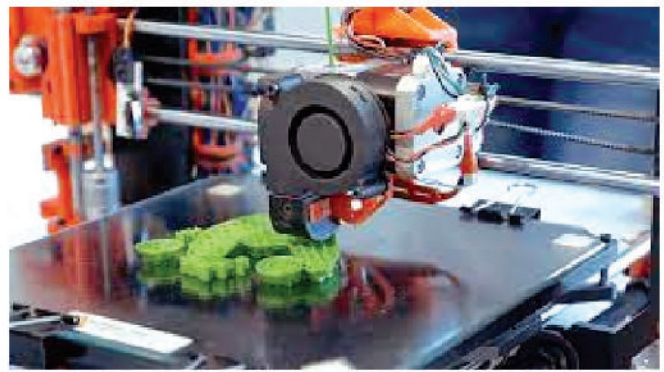
Internship

1. Agni Steels
2. Ashok Leyland
3. AV engineering
4. Baby Engineering Pvt Ltd.
5. CPCL
6. Faithful Engineering Industry, Thanjavur
7. Iappan agency
8. InfoTech
9. Integrated Pacline India Private Limited
10. Isquare consulting services LLP, Trichy
11. John Deere company
12. K.R.T.motors Pvt.ltd
13. Kumar Industry
14. M/S Trichy Fabricators
15. M/S. Samyak Motors Private Limited
16. Mahindra
17. Mejastric engineering
18. One S
19. Pantech Prolabs India Pvt, Ltd
20. Pillai & Sons Motor Company Maruti Suzuki Thanjavur
21. PMI Global Technologies Pvt Ltd
22. Ponmalai Golden Rock Workshop
23. R.C ENGINEERING
24. Rane Engine Valve Limited,
25. Saranya spinning Mills
26. SKR 3d wheel alignments
27. Sri Vinayaka motors
28. Suba industries
29. Subavallar industries, Erode
30. Sure Manufacturing Enterprises Private limited
31. TEA TEE BODY BUILDERS, TRICHY
32. Techfi technologies
33. TryCAE Industrial Engineering, Trichy
34. TVS
35. UNIQ TECHNOLOGY.
36. Unique Impex
37. Unschoo Academy
38. Vasan industries Pvt limited, Mathur, Puthukotti (Dt)
39. VKG Hero Motorcycle
40. Vortex Engineering Pvt.Ltd
41. WE GUARD wind energy.
42. NSIC-Technical Govt of India.

Top 5 Latest Technology Trends in 2021

1. Additive Manufacturing (AM) or 3D Printing:

Additive Manufacturing is a process in which the model of an object has to be created in any Modelling Software (CAD Software) and has to save in the format of.STL [STL stands for Standard Triangular Language]. This format

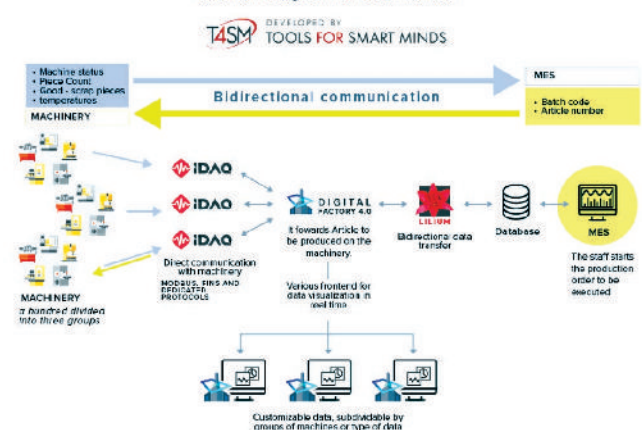


essentially "slices" the object into ultra-thin layers. Each successive layer bonds to the preceding layer of partially melted or melted material.

2. Interconnected Machines:

Machines Interconnected or Machine to Machine (M2M) in the sense there is a direct communication either in the form of wired or wireless between devices using a communication channel.

System integration - Interconnection
Solution diagram for Guarni&Med



Machines Interconnection includes industrial instrumentation that enables the sensors to communicate the information.

While using less power, the expansion of IP networks has made machine to machine communication faster and easier around the world.

3. Internet of Things (IoT) :

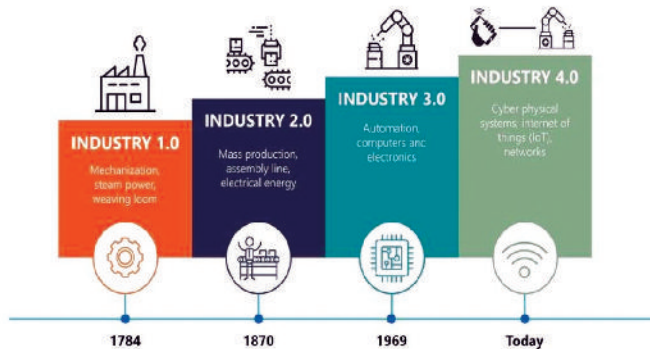
In this system, there is no need of human intervention. Each and every system is under the control of devices connected around it.

It is a system of mechanical and digital machines which are provided with UID's in order to transfer the data over a wide variety of networks.



4. Industry 4.0 :

Industry 4.0 is the digital transformation of manufacturing/production and related industries and value creation processes.



Industry 4.0 is used interchangeably with the fourth industrial revolution and represents a new stage in the organization and control of the industrial value chain.

5. Digital Manufacturing :



Digital marketing, also called online marketing, is the promotion of brands to connect with potential customers using the internet and other forms of digital communication. This includes not only email, social media, and web-based advertising, but also text and multimedia messages as a marketing channel.

Heartfelt thanks to all the faculty members of Kongunadu College of Engineering and Technology and our well-wishers.



Kongunadu

College of Engineering & Technology
[Autonomous]

Namakkal - Trichy Main Road, Thottiam, Trichy (Dt) 621 215, Tamilnadu
Mob: 8012 505000, 8012 505011, 8012 505054 email: admissions@kongunadu.org

www.kongunadu.ac.in