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

DEPARTMENT OF MECHANICAL ENGINEERING



MECHCLUSTER - NEWSLETTER

✿ Editorial Board :

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- ◆ Mr.M.Elavarasan - Third Year MECH
- ◆ Mr.M.V.Dharineesh - Third Year MECH

✿ Contents:

- ◆ Department Activities
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- ◆ Staff Achievements
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✿ Department Activities

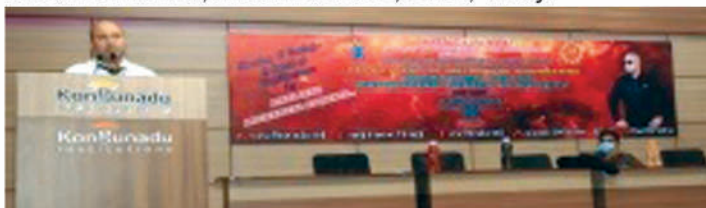
✿ Programmes organized by the Department

✿ Internal Activities

Motivational programme was organized for II, III and IV year students on 17th Dec 2021. The chief guest was Mr.Sarath Kuruppath, International Motivational Speaker, Founder of Graspit, Puducherry.



Inspirational Talk on 'Promoting Ethics in Society' was organized on 22nd Feb 2022. The resource person was Dr.Sathish kumar, Artisan Grade-1, BHEL, Trichy.

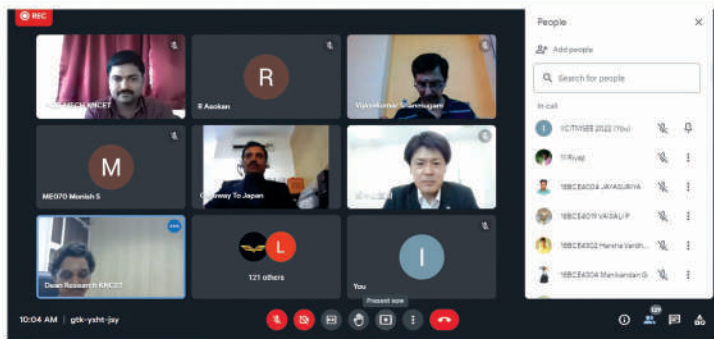


Webinars/ Seminar

Webinar on 'Top Career in Management' was organized on 30th Dec 2021. The resource person was Mr.S.Gunasekar, Digital Marketing Associate, V Dart Digital Pvt Ltd, Bengaluru.

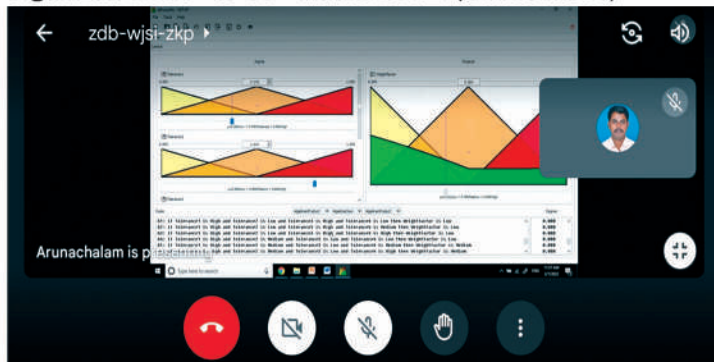
Webinar on 'Educational Technology-The New World of Learning' was organized on 31st Dec 2021. The resource person was Mr.N.Boopathi Raja, Manager in Business Development, Byjus, Chennai.

Valedictory function & Seminar on 'Role of Design Engineers in Core Industry' was organized on 27th April 2022. The resource person was Mr.A.Vijeshkumar, HR Manager, TVS Harita Tech Serv Pvt Ltd, Coimbatore.



FACULTY DEVELOPMENT PROGRAMME

Three Days Faculty Development Programme on "Recent Trends in Optimization Techniques for Engineering Problems" organized on 07th to 09th March 2022. (Online Mode)



SAE Club Activities

Seminar on 'EV Charging & Awareness of ETWDC 2021' organized on 08th Jan 2022. The resource person was Mr.S.S.Nallaperumal, Engineer, Stellantis, Chennai.

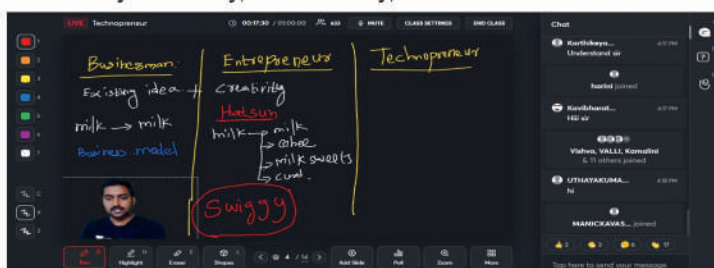
Seminar on 'Future Intelligent Mobility for sustainable Living' organized on 19th March 2022. The resource person was Mr.Nasurudheen Mohamed, Engineer, Renault Nissan Technology and Business Centre India Pvt Ltd., Chennai.

External Activities

Entrepreneurship Development Cell (EDC) Activities

Programme on 'Entrepreneurship Development Programme' organized on 28th Dec 2021. The resource person was Mr.Shreebalaji, Founder & MD, Hilife pvt Ltd, Trichy.

Webinar on 'Entrepreneur and Technopreneur' organized on 22nd and 23rd Feb 2022. The resource person was Mr.V.Sathyamoorthy, Unacademy, GATE & IES Educator.



Entrepreneurship Development Programme on 'Coir and its Allied Products' organized on 21st to 23rd March 2022. The resource persons were HRI.G.Poopalan, Zonal Director, Coir Board Regional Office, Pollachi, Mr.Kathir, Erode National Trainer, Mr.R.Jothikrishna, Advocate & Trainer, Dr.R.Sampath Kumar, EDII Master Trainer, Mr.Sivaraman, Export/Import Consultant.

Workshop

Workshop on 'Fixed Wing UAV's' organized on 28th to 30th March 2022. The resource person was Mr.M.Yuvaraj, CEO, SKYRIDER Aerosolutions, Chennai.



MECHATHON

MECHATHON on 'E-CRAFT Aerobatics' organized on 31st March 2022. The resource person was Mr.M.Yuvaraj, CEO, SKY RIDER Aerosolutions, Chennai.



INTERNATIONAL CONFERENCE

3rd International Conference on 'Innovations in Thermal, Manufacturing, Structural and Environmental Engineering (ICITMSEE'22)' organized on 22nd and 23rd April 2022. The resource person was Naoki Nonoyama, General Manager, Techno smile Co Ltd, Japan.



Multimedia

Multimedia club was conducted various competitions on 30th and 31st December 2021. The Chief guest was Mr.P.Elilarasan, Artist and Script on Thanganari.

Multimedia club valedictory function was conducted on 07th May 2022. The Chief guest was Mr.R.Madurai Muthu, Artist and Standup Comedian.



Department Achievements

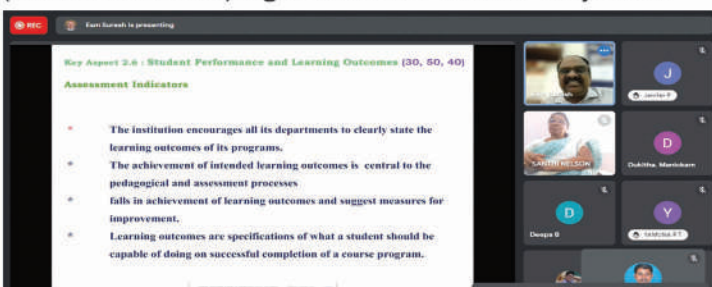
Patents

Dr.G.Mahesh, Dr.S.Saravanan, Dr.K.Periasamy, Dr.A.Kumaravadivel filed a patent on 'Glove for handling pot', No.357618-001 on 22nd March 2022.

Sponsored Seminar

Seminar on 'Recent Developments in Portable Oxygen Concentrator for Treating Covid Patient' (CSIR SPONSERED) organized on 25th and 26th Feb 2022.

Webinar on 'Revised Assessment and Accreditation Framework of NAAC: Understanding and Opportunities in HEI's' (NAAC SPONSERED) organized on 05th and 06th May 2022.



Publication in Journals

R.Karthik, K.Gopalakrishnan, R.Venkatesh, A.Mohana Krishnan & S.Marimuthu, "Influence of stir casting parameters in mechanical strength analysis of Aluminium Metal Matrix Composites (AMMCs)", Elsevier - Materials Today Proceedings, (online published)

Bhiksha Gugulothu, N.Nagarajan, A.Pradeep, G.Saravanan, S.Vijayakumar & Janardhana Rao, "Analysis of Mechanical Properties for Al-MMC Fabricated through an Optimized Stir Casting Process", Journal of Nano materials, Vol. 2022, Article ID 2081189

A.Mohana Krishnan, M.Dineshkumar, S.Marimuthu, N.Mohan & R.Venkatesh, "Evaluation of mechanical strength of the stir casted Aluminium Metal Matrix composites (AMMCs) using Taguchi method", Elsevier - Materials Today Proceedings, (online published)

N.Santhosh, C.Dineshababu & M.Srinivasan, "TRIZ based efficiency enhancement of point absorber wave energy converter", Elsevier - Materials Today Proceedings, (online published)

G.Selvakumar, K.Santhakumar, S.Sanjaykumar, C.Selvakumar & S.Siranjeevi, "Experimental investigation of face milling surface study on AA100 by using VMC", International Journal for Research in Applied Science and Engineering Technology, Vol. 10, issue no. IV, pp.2853-2857.

International Conference

Dr.K.Periasamy, "Advances in Manufacturing Technology", International conference on Advances in Manufacturing Technology at Chennai Institute of Technology on 25th & 26th March 2022.

Dr.K.Periasamy, Balachandar.G, Dinesh.Y, Gopinath.C, Jayakumar.K "Performance c of diesel engine using distilled tire oil blends with CEO₂ nanoparticles", 3rd International conference on Innovations in Thermal, Manufacturing, Structural and Environmental Engineering (ICITMSEE'22) at Kongunadu College of Engineering and Technology on 22nd & 23rd April 2022.

Dr.G.Saravanan, Gobinath M, Gokul K, Goundeeswaran C, Gunalan M "Physical model of circulating dry scrubber", 7th International Conference on Engineering Technology, at Trichy Engineering College on 20th & 21st April 2022.

Dr.S.Gobinath, "Team Productivity & Strategies to improve performance", 3rd International Conference on Current scenario and challenges of management practices at Vijay Institute of Management on 21st November 2021.

Dr.A.Nithya, "Transforming our world sustainable development through seventeen goals", International conference on Redefining Business Models For Sustainable Development (ICRBMSD) at Kristu Jayanti college, on 25th & 26th March 2022.

Dr.A.Nithya, "Ethical Issues in Management", at 3rd International Conference on Current scenario and challenges of management practices (ICCSCMP'21) at Vijay Institute of Management on 21st November 2021.

Dr.A.Nithya, "Emphasis on total quality Management", 3rd International Conference on Current Scenario and Challenges of Management Practices (ICCSCMP'21) at Vijay Institute of Management on 21st November 2021.

Mr.S.K.Karthikeyan, Manikandan.P, Nishanth.S, Premkumar.S, Parthiban.S "Analysis of metal contamination and performance of automobile lube oil", Virtual International Conference on Modelling, Simulation and Control (ICMSC 2022) at Karpagam College of Engineering on 18th & 19th March 2022.

Mr.S.K.Karthikeyan, Balasubramani K, Balasubramaniyan R, Desigan V, Ajith. G "Performance analysis of modified floating solar panel", Virtual International Conference on Technology Advancements in Mechanical Engineering (ICTAME 2022) at AMET University on 22nd & 23rd April 2022.

Mr.R.Arivazhagan, Balachandar.G, Dinesh Y, Gopinath.C, Jayakumar.K "Performance of diesel engine using distilled tire oil blends with CEO₂ nanoparticles" Virtual International Conference on Technological Advancement in Mechanical Engineering (ICTAME 2022) at AMET University on 22nd & 23rd April 2022.

Mr.C.Dineshababu, "TRIZ based efficiency enhancement of point absorber wave energy converter", 2nd International Conference on Advances in Materials Research - 2021 (ICAMR 2.0) at Bannari Amman Institute of Technology on 3rd & 4th December 2021.

Mr.C.Dineshababu, Santhosh S, Sugash B, Tharun P, Saran M E "Prediction of weld strength and optimization of process parameters in FSW of UHMWPE", 3rd International Conference on Innovations in Thermal, Manufacturing, Structural and Environmental Engineering (ICITMSEE'22), at Kongunadu College of Engineering and Technology on 22nd & 23rd April 2022.

Mr.S.Kumaravel, "Emerging trends in materials, computing and communication technology", 2nd International Conference on Emerging Trends in Materials, Computing and Communication Technologies (ICETMCCT 2021), at Annai Vailankanni College of Engineering on 10th December 2021.

Mr.G.Selvakumar, "Evaluation of aluminium based composite materials reinforcement with TiC and TiO₂", 4th International Conference on Advances in Mechanical Engineering (ICAME 2022), at SRM Institute of Science and Technology on 24th to 26th March 2022.

Mr.N.Sivashankar, "Performance of electrochemical micromachining of magnesium alloy through sodium nitrate electrolyte", 8th International and 29th All India Manufacturing Technology, Design and Research Conference at PSG College of Technology on 9th to 12th December 2021.

Mr.S.Chandrakumar, Anupriya S, Jaya M, Keerthana M, Sangavi G "Design and development of AC duct using classrooms in CFD method", CSIR - Funded Hybrid Conference on Sustainable Materials & Advances in Renewable Technologies at St.Mother Theresa Engineering College on 29th & 30th April 2022.

Mr.M.Dineshkumar, Prabath K, Ramkumar C, Santhoshkumar M, Vijayaraghavan K "Design and analysis of drill jig and fixture for mass manufacturing process", 3rd International Conference on Innovations in Thermal, Manufacturing, Structural and Environmental Engineering (ICITMSEE'22), at Kongunadu College of Engineering and Technology on 22nd & 23rd April 2022.

Mr.K.Gopalakrishnan, Manoj.V, Manoj Kumar.E, Praveen.P, Praveen.R "The Weld strength evaluation and radiography test on AA2024 by using GTAW process", Virtual International Conference on Modelling, Simulation and control (ICMSC 2022) at Karpagam College of Engineering on 18th & 19th March 2022.

Mr.P.Raja, Vibushnan G, Vignesh P, Vigneshwaran P, Vimal Nishanth R "Experimental investigation of flow visualization in see through cyclone separator", 7th International Conference on Engineering Technology at Trichy Engineering College on 20th & 21st March 2022.

Mr.P.Raja, Chandrasekar M, Dinesh S, Godwin Kishore S, Janaki Raman D "Manufacturing process segregation of cost reduction linear Cartesian robot long traverse", Virtual International Conference on Technological Advancements in Mechanical Engineering (ICTAME 2022) at AMET University on 22nd & 23rd April 2022.

Mr.L.Devakumar, Krishnakumar K, Manikandan M, Nandhakumar G, Parasuraman G, "Macro and tribological investigation of hybrid metal matrix connecting rod on SI engine", Virtual International Conference on Modelling, Simulation and Control (ICMSC 2022) at Karpagam College of Engineering on 18th & 19th March 2022.

Mr.J.Mahendran, Krishnakumar K, Manikandan M, Nandhakumar G, Parasuraman G "Macro and tribological investigation of hybrid metal matrix connecting rod on SI engine", Virtual International Conference on Modelling, Simulation and Control (ICMSC 2022) at Karpagam College of Engineering on 18th & 19th March 2022.

Mr.R.Prakash, Selvam S, Surjith G, Vinoth S, Murali M "Friction stir welding with dissimilar aluminium alloy of combination with AA6451-AA7020", Virtual International Conference on Technological Advancements in Mechanical Engineering (ICTAME 2022) at Trichy Engineering College on 20th & 21st March 2022.

Mr.R.Prakash, Amarnath J, Deepan Sakravarthi R, Dharun R, Ezhilarasan S "Fabrication of auto components by using turning method in CNC machine", 7th International Conference on Engineering Technology at AMET University on 22nd & 23rd April 2022.

National Conference

Dr.D.Jagadeesh, Muthukumaran.S.P, Praveen.V, Manoj.S, Parthiban.K "Cross over study and flow visualization of 500MW power plant duct from air preheater to ID fan including electrostatic precipitator", National Conference on Advance in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Dr.G.Saravanan, Ragavan R, Vasanthakumar M, Vishwa R "CFD analysis of geometrical modified thermosiphons", 9th National Conference on Recent Advancements in Geotechnical Engineering (NCRAG'22) at Karpagam Academy of Higher Education on 6th April 2022.

Dr.V.Gopinath, Karthik R, Karthikeyan D, Kishore V, Praveenkumar G, "Evaluation of mechanical behavior of aluminium metal matrix composite (Al 6063 + Sic+Zn)", National Conference on Advance in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.R.Arivazhagan, B Aakash K, Ahamed Abuthahir M, Dominic Savio C, Ganesh C, "An investigation on cut quality of aluminium matrix composites cut by abrasive water jet", National Conference on Mechatronics and Automation Systems (NCMAS 2022) at Bannari Amman Institute of Technology on 21st April 2022.

Mrs.V.Selvam, Logeshwaran.B, Manikandan.T, Manikandan.N, Narendhiran.R "Influence of combined EGR and injection timing on diesel operation fueled with desulphurized tire oil", National Conference on Advance in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mrs.V.Selvam, Angeshwaran.M, Chandru V, Bhuvaneshwaran.S, Kamalesh.C "Control and analysis of geometric dimension and tolerance in CNC turning and milling operations", National Conference On Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.M.Ravikumar, Barath.S, Duraikannan.K, Gobu Sridhar.M, Hariharan.S "Comparison study of symmetric and Asymmetric reflection compound collector for hot water generation", National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.R.Karthik, Kalidash.P, Mohanraj.S, Mothilal Surya.K, Kamalesh.K "Design and optimization of bicycle crank arm", National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.R.Karthik, Michael Richard.X, Naveen Kumar.M, Priyadharshan.C, Saravanakumar.S "Evaluation of machining behaviors of metal matrix composite (Al+SiC+Mg)", National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.E.Sivaprakash, Praveen.S, Loga Prasanth.V, Mithun.S, Naveen Kumar.G "Effect of PV panel cooling", National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.S.Mohankumar, Ranjeeth Kumar.Y, Rithick Rd, Roginth.B, Saravanakumar.S "Work related musculoskeletal disorders among poultry farming workers: An Ergonomics intervention - A Pre - Post design analysis", National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.S.Mohankumar, Sathyamoorthi D, Richard Joseph Y, Vikram R, Vinoth K "Experimental investigation on electrical discharge drilling (EDD) for SS 312 material to improve metal removal rate, tool wear rate and geometrical error using diagonal shaped copper electrode", National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.N.Sivashankar, Nirmalraj.J.R, Prasanth.P “Investigation of machining parameters of Magnesium AZ31 alloy micro ECM process through critic acid (C6H8O7)”, National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.V.Muthukumar, Naveen.M, Ragul.K, Pandeewaran.KL, Nikeshkumar.K, “Heat Treatment analysis of MS shaft ENB and EN19T steel to improve hardness”, National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.A.Natarajan, Kaviyaran.E, Madhavan.M, Manikandan.D, Pragadeeswaran.R “MPI Testing on Ferromagnetic Materials”, National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.A.Natarajan, Sanjai.K, Shanmugam.S, Sivasankar.V, Sudharsan.D “Design and implementation of cone pipe piercing tool”, National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.R.Periyasamy, Kalai Selvam.M, Manobharthi.P, Manodeepan.M, Mugesh.M “Experimental study on double pass solar air heater with absorber plate”, National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.R.Periyasamy, Ajay Franko.A, Bharath.S, Dinesh.M, Dinesh Kumar S “Vehicle tyre rolling friction and tensile test analysis”, National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.S.Chandrakumar, Murugaiya.A “CFD Analysis of 500MW air preheater to ID fan inlet flue gas duct cross over studies”, National Conference on Mechatronics and Automation Systems (NCMAS 2022) at Bannari Amman Institute of Technology on 21st April 2022.

Mr.N.Kawin, Sivashankar.R, Sorna Mahesh.R, Sundaravel.R, Vinith.V “Experimental and effects of various end point angle of the SS304 drills performs in drilling”, National Conference on Mechatronics and Automation Systems (NCMAS 2022) at Bannari Amman Institute of Technology on 21st April 2022.

Mr.N.Ravikumar, Karuna.S, Kaviyaran.K, Manigandan.K, Nithyanand.N “Optimization of process parameters of mild steel (EN24) on lathe machines”, National Conference on Advances in Mechanical Sciences (AIMS 2022) at Mahendra Institute of Technology on 18th March 2022.

Mr.M.Dineshkumar, Raghupathi.D, Ragul.M, Rajesh.V, Ranjith.S “Study the influence of SiO2 nanoparticles on diesel and the blend on diesel engine”, 9th National Conference on Recent Advancements in Geotechnical Engineering (NCRAG'22) at Karpagam Academy of higher education on 6th April 2022.

Mr.K.Gopalakrishnan, Saran.A, Senthilkumar.S, Surya.P, Shanu.S “Experimental investigation and optimum overcut in WEDM process on AL6061+WC metal matrix composites”, National Conference on Mechatronics and Automation Systems (NCMAS 2022) at Bannari Amman Institute of Technology on 21st April 2022.

Mr.C.Dineshbabu, Ajith.M, Aravindan.G, Deepak.K, Dinesh.K “Investigation on surface finish EN8 material with respect to machining parameters in soft and hardened conditions”, National Conference on Mechatronics and Automation Systems (NCMAS 2022) at Bannari Amman Institute of Technology on 21st April 2022.

Mr.C.Dineshbabu, Santhosh.S, Sugash.B, Tharun.P, Saran.M.E “Prediction of weld strength and optimization of process parameters in FSW of UHMWPE”, National Conference on Mechatronics and Automation Systems (NCMAS 2022) at Bannari Amman Institute of Technology on 21st April 2022.

ATL FDP/ FDP Attended

Mr.S.Mohankumar, AP, attended

- FDP on ‘Recent Trends in Optimization Techniques for Engineering Problems’ organized by Kongunadu College of Engineering and Technology from 07th to 09th March 2022.

- ATL FDP on ‘Processing and Applications of Functionally Graded Composite Materials’ organized by Thiagarajar College of Engineering from 06th to 10th December 2021.

Mr.S.Kumaravel, AP, attended

- ATL FDP on ‘Recent Advancement in Manufacturing Processing’ organized by Veer Surendra Sai University of Technology from 27th to 31st December 2021

Mr.E.Sivaprakash, AP, attended

- ATL FDP on ‘Renewable Energy – A future alternative’ organized by Government Polytechnic Thane from 17th to 21st January 2022.

Mr.M.Ravikumar, AP, attended

- FDP on ‘Recent Trends in Optimization Techniques for Engineering Problems’ organized by Kongunadu College of Engineering and Technology from 07th to 09th March 2022.

- ATL FDP on ‘Renewable Energy – A future alternative’ organized by Government Polytechnic Thane from 17th to 21st January 2022.

Mr.V.Muthukumar, AP, attended

- FDP on ‘Recent Trends in Optimization Techniques for Engineering Problems’ organized by Kongunadu College of Engineering and Technology from 07th to 09th March 2022.

- ATL FDP on ‘Management of Hydrocarbon Exploration and Production Waste’ organized by Dibrugarh University from 07th to 11th February 2022.

Dr.V.Gopinath, ASP, attended

- ATL FDP on ‘Energy Engineering’ organized by Defence Institute of Advanced Technology (DU) from 21st to 25th February 2022.

Mr.S.K.Karthikeyan, ASP, attended

- FDP on ‘Solar Business Development and Energy Efficiency’ organized by Climate Works Foundation from 27th to 29th January 2022.

Mr.K.Gopalakrishnan, AP, attended

- FDP on ‘Solar Business Development and Energy Efficiency’ organized by Climate Works Foundation from 27th to 29th January 2022.

Mrs.A.R.Shanmathy, AP, attended

- FDP on ‘Solar Business Development and Energy Efficiency’ organized by Climate Works Foundation from 27th to 29th January 2022.

- FDP on ‘Modern Materials, Advanced Technologies for Infrastructure & modelling of Mechanical Behavior of Composite Materials’ organized by Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College from 14th to 19th March 2022.

Mr.L.Devakumar, AP, attended

- FDP on ‘Modern Materials, Advanced Technologies for Infrastructure & modelling of Mechanical Behavior of Composite Materials’ organized by Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College from 14th to 19th March 2022.

- FDP on ‘Recent Trends in Optimization Techniques for Engineering Problems’ organized by Kongunadu College of Engineering and Technology from 07th to 09th March 2022.

Mr.V.Mathanraj, AP, attended

- FDP on ‘Modern Materials, Advanced Technologies for Infrastructure & modelling of Mechanical Behavior of Composite Materials’ organized by Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College from 14th to 19th March 2022.

- FDP on ‘Recent Trends in Optimization Techniques for Engineering Problems’ organized by Kongunadu College of Engineering and Technology from 07th to 09th March 2022.

Mr.S.Chandrakumar, AP, attended

- FDP on ‘Modern Materials, Advanced Technologies for Infrastructure & modelling of Mechanical Behavior of Composite Materials’ organized by Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College from 14th to 19th March 2022.

- FDP on 'Recent Trends in Optimization Techniques for Engineering Problems' organized by Kongunadu College of Engineering and Technology from 07th to 09th March 2022.

Mr.V.Vairamani, AP, attended

- FDP on 'Modern Materials, Advanced Technologies for Infrastructure & modelling of Mechanical Behavior of Composite Materials' organized by Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College from 14th to 19th March 2022.

- FDP on 'Recent Trends in Optimization Techniques for Engineering Problems' organized by Kongunadu College of Engineering and Technology from 07th to 09th March 2022.

Mr.R.Karthik, AP, attended

- FDP on 'Modern Materials, Advanced Technologies for Infrastructure & modelling of Mechanical Behavior of Composite Materials' organized by Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College from 14th to 19th March 2022.

Dr.K.Periasamy, Prof, attended

- FDP on 'Modern Materials, Advanced Technologies for Infrastructure & modelling of Mechanical Behavior of Composite Materials' organized by Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College from 14th to 19th March 2022.

Mr.G.Selvakumar, AP, attended

- FDP on 'Solar Business Development and Energy Efficiency' organized by ISC & Mangla smart energy solutions PVT LTD from 27th to 29th January 2022.

- FDP on 'Recent Trends in Optimization Techniques for Engineering Problems' organized by Kongunadu College of Engineering and Technology from 07th to 09th March 2022.

Mr.N.Kawin, AP, attended

- FDP on 'Recent Trends in Optimization Techniques for Engineering Problems' organized by Kongunadu College of Engineering and Technology from 07th to 09th March 2022.

Mr.P.Raja, AP, attended

- FDP on 'Recent Trends in Optimization Techniques for Engineering Problems' organized by Kongunadu College of Engineering and Technology from 07th to 09th March 2022.

Dr.S.Gobinath, Prof, attended

- FDP on 'Recent Trends in Optimization Techniques for Engineering Problems' organized by Kongunadu College of Engineering and Technology from 07th to 09th March 2022.

Mr.Ra.Aravind, AP, attended

- FDP on 'Solar Business Development and Energy Efficiency' organized by ISC & Mangla smart energy solutions PVT LTD from 27th to 29th January 2022.

Dr.G.Saravanan, ASP, attended

- FDP on 'Advances in Materials Sciences' organized by Sree Vidyanikethan Engineering College, Tirupati from 01st to 03rd March 2022.

Webinar

- Mr.M.Ravikumar, AP, Mr.S.Kumaravel AP and Mr.E.Sivaprakash AP attended Webinar on 'Heat Treatment of Non Ferrous Materials' at Saveetha school of Engineering on 08th February 2022.

- Dr.G.Saravanan, ASP and Mr.G.Selvakumar AP of attended Webinar on 'Intellectual Property Rights' at Arasu Engineering College on 25th March 2022.

- Dr.A.Nithya, ASP, Mrs.V.Selvam AP and Mr.N.Kawin AP attended Seminar on 'Recent Development in Portable Oxygen Concentrator for Treating COVID Patient' at Kongunadu College of Engineering and Technology on 25th and 26th February 2022.

- Mr.E.Sivaprakash AP, attended Webinar on 'Solar Energy: Technology and Applications' at Saveetha school of Engineering on 09th February 2022.

- Dr.A.Nithya, ASP, attended Webinar on 'Revised Assessment and Accreditation Framework of NAAC: Understanding and Opportunities in HEI's' at Kongunadu College of Engineering and Technology on 05th and 06th May 2022.

- Dr.G.Saravanan, ASP, attended Seminar on 'Intelligent Pneumatic Braking System' at Life Challengers Academy on 15th February 2022.

Workshop

- Dr.K.Periasamy, Professor, attended Workshop on 'Business Model Canvas & Business Model Canvas Practice' at Sri Venkateswara College of Engineering on 05th April 2022.

- Dr.D.Jagadeesh, ASP, attended Workshop on '3D Printing' at K.Ramakrishnan College of Technology on 25th March 2022.

- Mr.R.Karthik, AP, Workshop on 'Innovative Methods in Finite Element Analysis using ANSYS & ABAQUS (FEEAA-2k22)' at Maturi Venkata Subba Rao Engineering College on 21st to 25th March 2022.

NPTEL Courses

- Mr.S.Chandrakumar, AP, had successfully completed 12 weeks NPTEL course of Fundamentals of Automotive System.

- Mr.N.Ravikumar, AP, had successfully completed 12 weeks NPTEL course of Academic Writing.

Students Achievement

- Alexandar B, III Year, Won First prize in Maverick 2k22 conducted at K.S Rangasamy College of Technology, Tiruchengode on 29.04.2022.

- Arul Murugan M, III Year, Won First prize in Maverick 2k22 conducted at K.S Rangasamy College of Technology, Tiruchengode on 29.04.2022.

- Guna K II Year Won First prize in Gears to Go 2022Tech Art conducted at M.Kumarasamy College of Engineering, Karur on 28.04.2022.

- Samyuktha S II Year Won Third prize in 'Gears to Go 2022Tech Art conducted at M.Kumarasamy College of Engineering, Karur on 28.04.2022.

- Alexandar B and Arul Murugan M III Year, Won First prize in Gears to Go 2022 Technical Quiz conducted at M.Kumarasamy College of Engineering, Karur on 28.04.2022.

- Samyuktha S II Year Won Second Prize in Gears to Go 2022 Treasure Hunt Art conducted at M.Kumarasamy College of Engineering, Karur on 28.04.2022.

- Alexandar B and Arul Murugan M III Year, Won Second Prize in Gears to Go 2022 Spark Your Brain conducted at M.Kumarasamy College of Engineering, Karur on 28.04.2022.

- Alexandar B and Arul Murugan M III Year, Won Second Prize Gears to Go 2022 Paper Presentation conducted at M.Kumarasamy College of Engineering, Karur on 28.04.2022.

- Samyuktha S II Year Won Second Prize in Gears to Go 2022 Paper Presentation conducted at M.Kumarasamy College of Engineering, Karur on 28.04.2022.

- Vaishnav V P and Vigneshwaran R III Year, Won Third Prize Gears to Go 2022 Paper Presentation conducted at M.Kumarasamy College of Engineering, Karur on 28.04.2022.

- Vigneshwaran R III Year, Won Third Prize in Gears to Go 2022 Clash of CAD conducted at M.Kumarasamy College of Engineering, Karur on 28.04.2022.

- Vasanth A and vishnudharsan G II Year Won Second Prize in Mech Zeal 2022 conducted at Velalar College of Engineering and Technology, Erode on 26.04.2022.

- Sathishkumar S, Satheesh Kumar A and Subash M II Year Won First Prize in Machine Fortz-2022 conducted at Government College of Engineering, Thanjavur on 12.04.2022.

- Surya C, Kavinraj S, and Kumar R II Won First prize in Voltrik-2022 conducted at M.Kumarasamy College of Engineering, Karur on 08.04.2022.

- Tamilselvan R II Won Second prize in Voltrik-2022 conducted at M.Kumarasamy College of Engineering, Karur on 08.04.2022.

- Alexandar B and Arul Murugan M III Year, Won Second Prize in Voltrik-2022 Forza conducted at M.Kumarasamy College of Engineering, Karur on 08.04.2022.

- Divahar R III Year, Won Second Prize in Voltrik-2022 Forza conducted at M.Kumarasamy College of Engineering, Karur on 08.04.2022.

- Alexandar B and Divahar R III Year, Won Second Prize in Voltrik-2022 Project Presentation conducted at M.Kumarasamy College of Engineering, Karur on 08.04.2022.

- Vaishnav VP and Udayakumar K III Year, Won First Prize in Voltrik-2022 Short Film conducted at M.Kumarasamy College of Engineering, Karur on 08.04.2022.

- Hari Krishnan M and Karthick C II Year, Won First Prize in MESMER-2K22 conducted at K. Ramakrishnan College of Technology, Trichy on 07.04.2022.

- Sukanth S III Year, Won First Prize in MESMER-2K22 CAD Modelling conducted at K. Ramakrishnan College of Technology, Trichy on 07.04.2022.

- Vinothkumar V III Year, Won Second Prize in MESMER-2K22 CAD Modelling conducted at K. Ramakrishnan College of Technology, Trichy on 07.04.2022.

- Gowthaman R II Year, Won First Prize in MESMER-2K22 Lathe-O-Mania conducted at K. Ramakrishnan College of Technology, Trichy on 07.04.2022.

- Manikandan M II Year, Won Second Prize in MESMER-2K22 Brain Friction conducted at K. Ramakrishnan College of Technology, Trichy on 07.04.2022.

- Sundhar Rajan R and Mahendhiran M II Year First Prize in SYLLOGIC-2K22 Picturesque Contest conducted at Kongu Engineering College, Erode on 07.04.22

- Hirthik Roshan A B, Dharmarajan D and Harish S L II Year First Prize in TECKTON 2.0 conducted at Kongunadu College of Engineering and Technology, Trichy on 21.03.2022.

- Samyuktha S II Year, Won Second Prize in Photo Album Video Creation Designing conducted at Kongunadu College of Engineering and Technology, Trichy on 08.03.2022.

- Haripriya C II Year, Won Second Prize in Video Creation conducted at Kongunadu College of Engineering and Technology, Trichy on 08.03.2022.

Paper Presentation

- 16 students (II & III Year) presented papers in MAVERICK 2K22 at K.S.Rangasamy College of Technology, Namakkal on 29.04.2022.

- 14 students (II & III Year) presented papers in Gears to Go 2K22 at M.Kumarasamy College of Engineering, Karur on 28.04.2022.

- Dhanish Babu V, III Year presented paper in MECH ZEAL '22 at Velalar College of Engineering and Technology, Erode on 26.04.2022.

- Vaishnav V P and Vigneshwaran R, III Year presented paper in MECHANIMOUS 2022 at Sengunathar Engineering College, Erode on 22.04.2022.

- 53 students (II & III Year) presented papers in MACHINE FORTZ-2022 at Government College of Engineering, Thanjavur on 12.04.2022.

- Manickavasakar M, III Year presented paper in FIESTAA 22' at KPR Institute of Engineering and Technology, Coimbatore on 09.04.2022

- 29 students (II & III Year) presented papers in VOLTRIK 2022 at M.Kumarasamy College of Engineering, Karur on 08.04.2022.

- 17 students (II & III Year) presented papers in SYLLOGIC - 2K22 at Kongu Engineering College, Erode on 07.04.2022.

- 06 students (II & III Year) presented papers in MESMER 2K22 at K. Ramakrishnan College of Technology, Trichy on 07.04.2022.

- 08 students (II & III Year) presented papers in ACUMEN 2K22 at Kongu Engineering College, Erode on 06.04.2022.

- 04 students (II & III Year) presented papers in SCIENSEA 2K22 at Kongu Engineering College, Erode on 31.03.2022.

- 04 students (II & III Year) presented papers in EPOCH 2K22 at Kongu Engineering College, Erode on 30.03.2022.

- 06 students (II & III Year) presented papers in 20th Annual ISTE Tamilnadu Section Engineering Students' Convention at Ramco Institution of Technology, Rajapalayam on 26.03.2022

- Vasanth A, III Year presented paper in TEKSPARK'21 at Karpagam Institute of Technology, Coimbatore on 03.02.2022.

Workshop

- Totally 297 Students (II, III & IV Year) Students attended Virtual Workshop at well repeated engineering colleges from Dec 2021 to May 2022.

Webinar

- Totally 115 Students (II, III & IV Year) attended 80 Webinars from Dec 2021 to May 2022.

NPTEL Courses

NPTEL course on 'Joining Technology for Metals' was completed by III year students during January - April 2022.

- Vigneshwaran R

NPTEL course on 'Manufacturing Process Technology I & II' was completed by III year students during January - April 2022.

- Prabu K
- Mahendiran M
- Shankar M
- Ranjith G
- Sanjay G
- Lingeshwaran D
- Mukesh Balaji K
- Santhoshkumar R

NPTEL course on 'Entrepreneurship Essentials' was completed by II year students during January - April 2022.

- Mohammed Aslam M
- Samyuktha S
- Bharathiraja J
- Kaviyaran M
- Hrithickroshan S
- Hariprasath M K

NPTEL course on 'Mechatronics' was completed by II year students during January - April 2022.

- Vignesh M

NPTEL course on 'Robot Motion Planning' was completed by II year students during January - April 2022.

- Mohammed Nishar A

Technical Quiz

- Totally 60 Students (II, III & IV Year) attended Technical Quiz events in various topics from Dec 2021 to May 2022.

Industrial Visit

- Ashok Leyland - Namakkal
- Kothari Sugars And Chemicals Limited - Kattur.

Value Added Course

- SOLIDWORKS
- C PROGRAM
- CATIA V5

Placement Details

S.NO	NAME OF THE COMPANY	NO.OF STUDENTS PLACED
1	WIPRO	12
2	TCS	4
3	MALLOW TECHNOLOGIES	1
4	HARITA TVS	20
5	AQUASUB ENGINEERING	35
6	SAKTHI AUTO COMPONENTS	90
7	TEXMO INDUSTRIES	50
8	VDART	3

9	ARTHUR GRAND TECHNOLOGIES PRIVATE LIMITED	7
10	TVS SUNDARAM FASTENERS	20
11	SUTHERLAND	18
12	SYRMA TECHNOLOGIES	3
13	DAEBU AUTOMOTIVE SEAT (I) PVT. LTD.	6
14	CAPGEMINI	2
15	TVS SUPPLY CHAIN SOLUTIONS	3
16	INFOSYS	2
17	TEXMO (DESIGN)	2

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

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.