

Achievements of Faculties 2016-17

<p>Dr. K M Subbaiah</p>	<p>CFD Analysis of the Hydrodynamic Lubrication in Pressure Die: Application to Wire Drawing International Journal for Science and Advance Research in Technology, Vol. No. 2, Issue No. 5, 2016</p>
<p>Dr. Varadarajan Y S</p>	<p>"Enhancing the logistic performance in Manufacturing Industry", International Journal for Science and Advance Research in Technology , Vol 2, issue 6 in June 2016</p> <p>Published a International Journal in Improving the logistic efficiency by reducing of the plastic bin", Published in IJSART, Vol 2,5,2016, 660-664</p> <p>An impact of Packaging in supply chain system for Automobile industries, NCETM-29-30th April 2016</p>
<p>Dr. M Mohan Ram</p>	<p>Workplace Improvement Through Ergonomics Using DHM: A Case Study", International Journal for Science and Advance Research in Technology (IJSART), Volume 2, Issue 5, (May 2016) Online : 2395-1052</p> <p>"Outcomes Based Education: Teaching, Learning and Evaluation, sponsored by NAAC, IQAC-BMSCE, Bengaluru, 15th and 16th February 2016</p> <p>Jointly with Apoorva M V) (2016) "Design and Fabrication of CNC Fixture for a Spring Sheet Component" International Journal of Technical Research and Application, e-ISSN: 2320 – 8163, Volume 4: Issue 3: (May-June 2016) PP: 106-110</p> <p>"Time Study Analysis of Loading and Unloading of Component from a CNC Fixture", International Journal of Technical Research and Applications – e-ISSN: 2320 8163, Volume 4: Issue 3: (May-June 2016) PP: 239-243</p> <p>" Design Of Fixture For a Spring Sheet Machining"</p> <p>(Jointly with Apoorva M V) (2016) "Design of Pnematic Gadget for Disassembly and Assembly of Train Bogie"</p> <p>"Productivity and Workplace Improvement Using Ergonomics: A Case Study", International Journal of Technical Research and Applications (IJSART) ISSN: 2320-8163, (May-June 2016), Volume:4 Issue-3 (May-June) PP: 296-299 – Impact Factor – 5.11(SJIF)</p> <p>"Productivity Raising through workplace improvement using EGO-TASK", Institute for Studies on Recent Advances in Science and Engineering (ISRASE)</p> <p>" Workplace Improvement Through Ergonomics Using DHM: A Case Study", International Journal for Science and Advance Research in Technology (IJSART), Volume 2, Issue 5, (May 2016) Online : 2395-1052</p>

	<p>“ Startup Opportunities in Manufacturing Sector”, Technical Education Quality Improvement Programme (TEQIP-II) , One Day workshop, November 26, 2016, NIE, Mysuru (Participation)</p> <p>“Energy, Sustainability and Life Cycle Risk Analysis”, Global Initiative of Academic Networks (GIAN), JSS Technical Institutions Campus, Mysuru (13th to 28th February 2017)</p>
Mohammed Ismail	<p>International journal of Process Capability Study of a Finish Grinding Operation Institute on Engineering Research & Emerging Technologies, Vol. 5, Issue No. 1, 2016.</p>
	<p>Wear Studies on Thermal Coatings National Conference held on April 22 & 23, 2016.</p>
	<p>Process Variability Reduction of Finish Turning Operation using Statistical Process Control International Journal for Science and Advance Research in Technology, Vol. No. 2, Issue No. 5, 2016.</p>
Smt. B M Latha	<p>Can Value Stream Mapping Boost Manufacturing Industry? : Review of Extant Literature International Journal on Current Engineering and Scientific Research (IJCESR), Vol.3, Issue.11, 2016</p>
	<p>Ph.D course work completed</p>
Sri. Maadhu G	<p>TCS Best Project award for guiding students of final year for the project coconut Dehusking machine across Karnataka.</p>

Achievements of Faculties 2017-18

Dr. M S Sham Prasad	Implementation of Lean Production System in Steering manufacturing system, International Journal for Science and Advance Research and Technology (IJSART), Vol3, Issue 6, June 2017.
	Ergonomic Study at Rane Madras Limited, International Journal of Scientific and research Technology, - Volume 3 Issue 6 –, p 1306-1310 , JUNE 2017
Dr. K M Subbaiah	Fiber Reinforced Composites - A Review" , Journal of Material Science & Engineering. 06. 10.4172/2169-0022.1000341.
	Published a International Journal " Foam finned down flow type automotive radiator rating and swing" , Trans Stellar.
Dr. H N Divakar	Enhancement of Supply Chain Efficiency by extending Kanban System International Journal for Science and Advance Research and Technology (IJSART), Vol 3, Issue 6, June 2017, Paper ID:IJSARTV31615654
	KANBAN Efficiency Measurement System (KMES) , International Journal for Science and Advance research in Technology, Vol 3, Issue 7, July 2017
	Kanban Efficiency Measurement System (KEMS)", IJSART - Volume 3 Issue 7 –JULY 2017, 156-159
Dr. VaradarajanY S	"Enhancement of Supply Chain Efficiency By Extending Kanban System", IJSART. Volume 3 Issue 6 - JUNE 2017
	"Study of Tungsten Carbide Behavior in Hot Forging Application", International Journal of Innovative Research in Advanced Engineering, Volume 4 page 180-187, April 2017 Study of Thermal Stresses in High Temperature Brazing of Carbide to Steel,
Dr. M Mohan Ram	"Endurance Testing for Body Scanner Machine" International Journal for Science and Research in Technology(IJSART), Volume:3 Issue -7, June 2017
	"Increasing the Profitability of Manufacturing Industry by Reducing the Transportation Expenses", International Journal for Science and Research in Technology (IJSART) Volum3:3, Issue -7, July 2017
	"Overall Inventory Control in Manufacturing Industry", International Journal of Advancements in Research and Technlogy (ISSN: 2278-7763)

Achievements of Faculties

Dr. A Shailesh Rao	“Effect of the Metal Transport on the Mechanical Properties of Al-2Si alloys processed through Friction Stir Welding Processes”, Metallurgical and Materials Transactions B, Vol 48,3, 1771-1781, 2017
	Comparison on Appearance, Microstructure and Tensile properties during Friction Stir Welding Processes of Al-Si alloys”, Physics of Metals and Metallography, Springer verlag Publication, Vol 118, 7, 716-722, 2017 (IF: 0.761)
Sri. Santosh Kumar	Registered for Ph.D in VTU
Smt. Rashmi S N	“Exploring the Influence of Degree of Cluster Linkages on Innovation in Bengaluru High-tech Manufacturing Cluster: An Absorptive Capacity Approach”, Asian Conference on Innovation and Policy 2017 organized by Asian Society for Innovation and Policy at National Economics University, Hanoi, Vietnam during September 21-23, 2017
Smt. B M Latha	“Productivity Improvement Using Value Stream Mapping For Manufacturing Sector: A Review”, International Journal of Scientific and research Technology, - Volume 3 Issue 6 –, p 658-665 , JUNE 2017
	Ph.D - Pre comprehensive viva completed
Smt. T S Nandini	Registered for Ph.D in VTU
Sri. Maadhu G	Apollo BGS hospital Ambulance project for funding upto 1.5 lakhs

Achievements of Faculties 2018-19

Dr. K M Subbaiah	International Journal of Highly Flexible and Conducting Polymer Nano composite Films for Selective Gas Sensing Applications, 24–25th April 2018
	Conducted one week training program for L&T employees from 3 rd to 8 th December 2018. The Training program was imparted to the new recruits of L&T company through Corporate Training and Engineering Academy (CTEA) in the field of welding technology
Dr. H N Divakar	Study and analysis of fuel system snags in HAWK aircraft International Journal of Advancements in Research and Technoogy (ISSN 2278-7763) Paper ID AJ028858 - 2018
	Study of fuel system in aircraft <i>International Journal of Science and Engineering Research (IJSER)</i> Paper ID 0118633 - 2018
Dr. VaradarajanY S	“Significance Of The Type Of Reinforcement On The Mechanical Behaviour Of Thermoplastic Composites”, Materials today proceedings Volume 5, Issue 5, Part 2, 2018, Pages 13139-13145
Mohammed Ismail	Conducted one week training program for L&T employees from 3 rd to 8 th December 2018. The Training program was imparted to the new recruits of L&T company through Corporate Training and Engineering Academy (CTEA) in the field of welding technology
	Ergonomic and Technical Aspect in Redesign of Material Handling System International Journal of Research in Engineering, Science and Management in February, 2019
Dr. A Shailesh Rao	Organized a National Conference on “Materials, Mechanics, Manufacturing and Industrial Engineering” on 12-13 April 2019
	Organized One Week FDP program on “Possible Research Avenues in Manufacturing and Mechanical Engineering” from 13 th to 17 th May 2019
Sri. Santosh Kumar	Ph.D work Course work completed
Smt. T S Nandini	Conducted one week training program for L&T employees from 3 rd to 8 th December 2018. The Training program was imparted to the new recruits of L&T company through Corporate Training and Engineering Academy (CTEA) in the field of welding technology
	Ph.D work Course work completed
Sri. Maadhu G	Lectures delivered on Theory & Practical Training on Welding for welders, L&T, Mysuru from 3 rd - 8 th December 2018

Achievements of faculties 2019-20

Dr. K M Subbaiah	<p>Published Scopus Indexed paper Highly Flexible and Conducting Polymer Nano composite Films for Selective Gas Sensing Applications. Science Direct Materials Today Elsevier, Proceedings 9 (2019) 515–521. Materials Today Proceedings, Vol. 9, Issue 03, pp: 515-521, 2019 (SCOPUS)</p>
	<p>Lead Time Reduction on Connecting Rod Machining Line by using Value Stream Mapping, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) ISSN: 2319-8753, p-ISSN:2320-6710 Vol. 9, Issue 5, May 2020</p>
Dr. H N Divakar	<p>Session Chair at the 2nd International Conference on Advances in Mechanical Engineering Sciences (ICAMES – 2K20) organized by P.E.S. College of Engineering (PESCE), Mandya, Karnataka on 28th – 29th Feb 2020.</p>
	<p>Increasing Productivity of Inter Axle Drive Head (Iad) Workstation in drive Head Assembly, International journal for Trends in Engineering & Technology Vol 36 Issue: May 2019, ISSN 2349-9303</p>
	<p>Mechanically flexible and visibly transparent polymer based composite materials for UV protection application, paper published in web of science journal , 28th & 29th February 2020 paper published in web of science journal</p>
	<p>Increasing Productivity of Inter Axle Drive Head (Iad) Workstation In Drive Head Assembly process <i>International Journal For Trends in Engineering and Technology, May, 2019 Vol-36, Issue-1, ISSN - 2349 -9303</i></p>
Dr. Varadarajan Y S	<p>Sustainable value addition to Micro, Small, and Medium Enterprises (MSMEs) in India: A review of Industry 4.0” , International Journal of Advanced Research in Basic Engineering, Sciences and Technology (IJARBEST), ISSN (ONLINE):2456-5717 Vol.5, Issue.7, July 2019</p>
	<p>“Effect of Innovation on Firm Performance – The Case of a Technology Intensive Manufacturing Cluster in India”, International Journal of Innovation and Technology Management, 16(7), 1-31.</p>

Dr. M Mohan Ram	Sustainable value addition to Micro, Small, and Medium Enterprises (MSMEs) in India: A review of Industry 4.0” , International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST), ISSN (ONLINE):2456-5717Vol.5, Issue.7, July 2019
	Sustainable value addition to Micro, Small and Medium Enterprises (MSMEs) in India: A review of Industry 4.0”, (IJARBEST) page no. 343 – 350, ISSN (ONLINE) 2456-5717
	Delivered a seminar on “Research Proposal for Ph.D, work and data analysis with primary and secondary data” at a workshop on ‘Research Proposal Preparation’ organised by JSS Science and Technology University, Mysuru, National Project Implementation Unit on 5 th and 6 th Sep 2019.
Mohammed Ismail	Ergonomic and Technical Aspect in Redesign of Material handling System, International Journal of Research in Engineering, Science and Management, Vol 2, Issue 2, February 2019, 2581-5792.
Dr. A Shailesh Rao	Shailesh Rao A, et.al. “ Evaluating Machining Performance of AISI 1014 steel using Gingelly Oil as Cutting Fluid”, Australian Journal of Mechanical Engineering, Taylor and Francis Publication, online Published on 3rd July 2019 (IF :0.2)
	Analysis of Inventory Management by using Economic Order Quantity Technique, International Journal of Innovative Research in Science, Engineering and Technology, A, Volume 9, Issue 5, May 2020, 3368-3372 (Non scopous Journal)
	Analysis of Orthogonal Metal Cutting under different Rake Angles using Finite Element Method, International Journal of Innovative Research in Science, Engineering and Technology, A, Volume 9, Issue 5, May 2020, 3550-3557 (Non scopous Journal)
	A Study on the Effect of Rake Angle and depth of cut on Cutting Forces during Orthogonal Cutting, International Journal of Innovative Research in Science, Engineering and Technology, A, Volume 9, Issue 5, May 2020, 3175-3179, (Non scopous Journal)
	<ul style="list-style-type: none"> • The following are the administration work carried out in the college <ul style="list-style-type: none"> ○ Member, Research Cell for CRD in the year 2019-20 ○ Member, syllabus revision committee from the Department External Member, Class Monitoring for ECE Department
Sri. Santosh Kumar	Scrap Loss Reduction using Root Cause Analysis, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) ISSN: 2319-8753, p-ISSN: 2320-6710, Vol. 9, Issue 5, May 2020

Sri. Bharath T S	Delivered an expert lecture at the All India Seminar on “Pneumatic Drives and their applications”, held at the department of Mechanical Engineering, Sri Jagadguru Chandrashekaranaatha Swamiji Institute of Technology (SJCIT), Chikballapur on 20 th December 2019
	Delivered a technical talk for Mechanical Engineering students on “Hydraulic & Pneumatics for Industrial applications” at the department of Mechanical Engineering, Sri Jagadguru Chandrashekaranaatha Swamiji Institute of Technology (SJCIT), Chikballapur on 30 th and 31 st January 2020

Achievements of faculties 2020-21

Dr. K M Subbaiah	Faculty of the department Dr. K M Subbaiah (Professor), Mohammed Ismail (Associate Professor), Nandini T S (Assistant Professor) and G Maadhu (Assistant Professor) Conducted one week training program for L&T employees from 3 rd to 8 th December 2018. The Training program was imparted to the new recruits of L&T company through Corporate Training and Engineering Academy (CTEA) in the field of welding technology.
	Published Scopus Indexed paper Application and Future of Hybrid Composite Materials: A Review Solid state technology, Vol.63, Issue:5, 2020 (SCOPUS INDEXED)
Dr. H N Divakar	Fracture toughness of alumina filler filled glass fabric reinforced epoxy composites. Materials Today: Proceedings. October 2020 (SCOPUS INDEXED)
	Mechanically flexible and visibly transparent polymer based composite materials for UV protection application, web of science journal. (SCOPUS INDEXED)
	Faculty members Dr. H N Divakar (Professor), Dr. S M Vadivel (Assistant Professor), Nandini T S (Assistant Professor) and Latha B M (Assistant Professor) were invited as speakers at national level webinar on “Lean Manufacturing” conducted by RNSIT, Bengaluru on 21 st December 2020
Dr. Varadarajan Y S	BoE member of MCE, Hassan Patent: An Indian patent entitled “A Device to Tap Black Carbon and other Particulate Matter from Diesel Engine Vehicles” was filed on 20th Dec 2018 by Dr. Y S Varadarajan. The patent was granted by The Patent Office, Government of India on 22nd July 2021. Patent number allotted for the above is 372428.
Dr. A Shailesh Rao	Coordinator for One Week FDP program on “Sensor Technology’ conducted from 21 st to 25 th September 2020 and the program is sponsored by AICTE, New Delhi
	Successfully completed in guiding and awarding PhD to Mrs Alam Radhika on the topic Experimental Studies on cutting parameters during machining process using Bio-oils as cutting fluids- VTU, Belagavi
	Interactive Approach in Improving Rigidity of Lathe Structure, International Journal on Interactive Design and Manufacturing (IJIDeM), Springer Verlag Publication- Accepted for Publication (IF:0.5)
	Development and Adhesion Strength of Plasma-Sprayed

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	<p>Thermal Barrier Coating on the Cast Iron Substrate, International Journal of Integrated Engineering – communicated (IF:0.199)</p> <ul style="list-style-type: none"> • The following are the administration work carried out in the college <ul style="list-style-type: none"> ○ Member, Research Cell for CRD in the year 2019-20 ○ Member, syllabus revision committee from the Department ○ External Member, Class Monitoring for ECE Department ○ Assistant Head – Research (IPE), Research Forum Member – Library committee for the year 2020- 2023.
Sri. Santosh Kumar	<p>Published Scopus Indexed paper Mechanical Properties of natural fiber reinforced polylactide composites a review, IoP conf.ser.: mater.Sci.Eng.1065 012001</p>
	<p>Published Scopus Indexed paper Materials Today: Proceedings, Coconut coir fibber reinforced polypropylene composites : Investigation on fracture toughness and mechanical properties</p>
Smt. Rashmi S N	<p>Inelastic Behavior of En 31 Steel Metallic Surface Subjected to Hard Body , IOP Conference Series: Materials Science and Engineering, <u>Vol. 925</u>, Issue.1, 2020 (SCOPUS)</p>
	<p>Ph.D. Scholar External Registration National Institute Of Technology Karnataka, Surathkal Completed Course work on January 2021 Comprehensive Exam cleared on May 2021</p>
	<p>Industrial Training, Mysore Polymers & Rubber Products Pvt. Ltd, march 2021</p>
	<p>National Initiative for Technical Teachers Training Module 1 Orientation towards Technical Education and Curriculum Aspects</p>
	<p>National Initiative for Technical Teachers Training Module 2 Professional Ethics Sustainability, Exam cleared - NITTT-2021</p>
	<p>Ph.D Open seminar I & II completed</p>
Smt. B M Latha	<p>Co ordinator for the MOOC conducted by the IIT, Bombay</p>
	<p>Application of value stream mapping using simulation tool in manufacturing assemble line: A case study, International Journal of Material Science December 2021</p>

Dr. Vadivel S M	<p>“Enhancement of mail operational performance of India post facility layout selection using AHP” International Journal of System Assurance Engineering and Management, Springer publishers. 11(2),pp.494-505.DOI: https://doi.org/10.1007/s13198-019-00854-1.</p>
	<p>Sustainable postal service design: Integrating quality function deployment from the customers perspective” International Journal of System Assurance Engineering and Management, Springer publishers.11(2),pp.261-273. DOI:https://doi.org/10.1007/s13198-019-00906-6.</p>
	<p>“Enhancing the Operational Performance of Mail Processing Facility Layout selection using Multi - Criteria Decision Making Methods” International Journal of Service and Operations Management, Inderscience publishers. 37(1), pp.56-89. DOI: 10.1504/IJSOM.2020.10018620.</p>

Achievements of faculties 2021-22

Dr. H N Divakar	International Journal of Mechanical and production Engineering Research and Development (IJMPERD) Recycling and Recovery of used ZN-C Primary battery June 2021 IJMPERD ISSN(P):2249-6890; ISSN(E):2249-8001 Vol.11, Issue I, Jun 2021, 133-144
	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) E-Waste Based Polymer Waste Management June 2021, IJMPERD ISSN (P): 2249-6890; ISSN(E) 2249-8001 Vol. 11, Issue 3, Jun 2021, 65-80
Dr. Varadarajan Y S	Mechanical Properties of Natural Fiber reinforced polyactide composites 2021 IC FEST 1065 (2021)
	Coconut coir fiber reinforced polypropylene composites: Investigation on fracture toughness and mechanical properties 2021 Materials Today: Proceedings Accepted 13 January 2021
	Experimental investigation of impact strength and hardness value of rice straw reinforced polylactide composites 2021
	Experimental investigation of three-body abrasive wear behavior of rice husk filled polylactic acid (PLA) composites 2021
Dr. K M Subbaiah	International Journal of Mechanical and production Engineering Research and Development (IJMPERD) Recycling and Recovery of used ZN-C Primary battery June 2021 IJMPERD ISSN(P):2249-6890; ISSN(E):2249-8001 Vol.11, Issue I, Jun 2021, 133-144
	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) E-Waste Based Polymer Waste Management June 2021 IJMPERD ISSN (P): 2249-6890; ISSN(E) 2249-8001 Vol. 11, Issue 3, Jun 2021, 65-80
	Material Science Research India “ A Review on Hybrid Composites used for Marine propellers” 2021

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Dr. M Mohan Ram	Barrier mitigation strategies to the deployment of renewable and energy-efficient technologies (REET) in micro and small manufacturing clusters Materials Today: Proceedings, Volume. 52, PP 1622-1632 Elsevier
	Sustainable energy strategies for micro, small, and medium enterprises in India: a review International Journal of Industrial and Systems Engineering Volume 37, Issue 3, 283-305 Inderscience Publishers (IEL)
Dr. Shailesh Rao A	International Journal of Integrated Engineering Vol.13 No. 1 (2021) 47-59 Development and Adhesion Strength of Plasma –Sp Thermal Barrier Coating on the Cast Iron Substra 2021 International journal of Integrated Engineering Vol. 13 No. 1, 2021 47-59 IJIE ISSN: 2229-838
	Machining Behaviour of using Bio-Oils As Lubricants During the Turning Process International journal of Modern Manufacturing Technologies ISSN 2067-3604, vol 13, No. 1 / 2021
	International Journal of Investigation of Hot Corrosion Behavior on QE22A – Magnesium Silver Alloy Through Steaming Method 2022
Santosh Kumar	Mechanical Properties of Natural Fiber reinforced polyactide composites 2021 IC FEST 1065 (2021)
	Coconut coir fiber reinforced polypropylene composites: Investigation on fracture toughness and mechanical properties 2021 Materials Today: Proceedings Accepted 13 January 2021
	Experimental investigation of impact strength and hardness value of rice straw reinforced polylactide composites 2021
	Experimental investigation of three-body abrasive wear behavior of rice husk filled polylactic acid (PLA) composites 2021
Rashmi S N	International journal of A Review on Synthesis and Applications of Tungsten Oxide Nanoparticles and its Polymer Composites International journal of Nanoscience 13 th april, 2022
	Surface, Structural and optical investigation on Poly Vinyl Alcohol (PVA) Bi ₂ WO ₆ nanocomposite films International journal 2022

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Latha B M	International Journal of Investigation of Hot Corrosion Behavior on QE22A – Magnesium Silver Alloy Through Steaming Method 2022 Material manufacturing Volume 15, issue 3, 2022
	“Application of value stream mapping using simulation tool in manufacturing assemble line” 2021 , Journal of Materials Science and Engineering 1065 (2021)
	International conference on Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering (SME 2021) “productivity improvement using SWCT principle for continuous manufacturing industry – A case study” 19-20 November 2021 Materials Today: Proceedings Accepted 13 January 2021