



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

(An Autonomous Institute under Kakatiya University, Warangal)

Opp : Yerragattugutta, Bheemaram (V), Hasanparthy (Mandal), WARANGAL - 506 015, Telangana State, INDIA.

काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६ ०१५ तेलंगाना राज्य, भारत

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, చరంగల్ - 506 015. తెలంగాణ రాష్ట్రం, భారతదేశము

DEPARTMENT OF MECHANICAL ENGINEERING

STUDENT PUBLICATIONS (UG/PG)

UG Students Publication Academic Year 2022-23

S. No	Name of Students	Title of publication	Conference / Journal details	Faculty associated
1.	T. Vamshi Krishna	Fabrication of bio-degradable material for bone tissue engineering applications	International Conference Advancement in Materials Processing Technology (AMPT) 2023	Dr. A. Devaraju
2.	V. Sai Krishna Teja	Artificial intelligence based mass distribution in a spatial mechanism for reducing shaking forces and shaking moments using parallelepiped model	International Conference Advancement in Materials Processing Technology (AMPT) 2023	Dr. P. S. S. Murthy
3.	Irfan Shaik	Artificial intelligence based mass distribution in a spatial mechanism using CSD model	International Conference Advancement in Materials Processing Technology (AMPT) 2023	Dr. P. S. S. Murthy
4.	A. Bhanu Teja, K. Jayanth, MD. Younus Ansari and G. Rohith	Fatigue Properties of Alimunium Alloy Nano Surface Composites By Friction Stir Processing	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Dr. A. Devaraju
5.	B. Srinija, B. Yodhika, M. Anvesh, A. Alekhya	Characterization of Mechanical And Tribological Properties of Sisal Cellulose Reinforced Composite Under Different Liquid Conditions	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Sri Ch. Karunakar & Sri M. Anil Kumar
6.	P. Phanindrasharma ,B.Sagar, B.Rohith ,K.Praveen	Effects of Water And Kerosene on The Weight Gain And Impact Strength of Frp Composite: Plant-Based Jute	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Sri D. Sammaiah
7.	U. Usha, Y. Navya, V. Koushik, T. Ganapathi Shiva Sai Reddy	Performance Evaluation Of Inclined Type Solar Drier For Drying Of Fruits And Vegetables	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Sri V. Rajesh
8.	B. Dileep, G.Siddhartha, M. Sidhu, G. Harshith	Experimental Investigation And Optimization of Wear Characteristics of Aluminum Metal Matrix Composites	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Dr. S. Chandramouli

S. No	Name of Students	Title of publication	Conference / Journal details	Faculty associated
9.	R. Barath Chandra, J. Naveen, D. Sudesh Pavan, Md. Meer Tawfiq Zubair	Mechanical Characterization of Randomly Oriented Water Hyacinth (Eichhornia Crassipes) Fiber Reinforced With Natural Matrix Material	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Dr. K. Raja Narender Reddy, V. Srikanth
10.	A. Vishwas Reddy, Himanshuka. M, D. Tharun , K. Manideep	Manufacturing System Design For Producing Metallic Foam	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Sri A. Hari Kumar
11.	K. Suchith, , K. Rakesh, R. Shivakumar, S. Abhinav Kumar	Evaluation of Mechanical Properties of Basalt Fiber Reinforced Composites	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Ms. P. Divya
12.	D.Veera Badrinath, K.Yuvaraj, S.Prem Sai & K.Hemanth	Fea And Structural Analysis on Aircraft Wing by using ANSYS And CFD	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Sri P. Anil Kumar
13.	G. Koushik, Ch. Srikanth, K. Laxmi Prasanna, Md. Nawaz	Evaluation of Plastic Canister by using Non-Destructive Method: Ultrasonic Testing	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Sri B. Ravi Kumar
14.	Potlacheru Manohar, M.Uday Kiran, Naveen Burra, Yashwanth Kunamalla	Evaluation of Machining Performance In Vegetable Oil-Based Hybrid Nanofluid MQL Machining	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Dr. G. Srinu
15.	Ch.Akanksha,V. Poorna Chander, N.Amrutha, P.Vaishnavi	Combined Experimental And Numerical Investigation Of Flow And Heat Transfer In Mini/Microchannels	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Dr. E. Ramesh
16.	V.Vivek, K.Abhiram, K.Indumathi, P.Shivateja	Investigation of Micro Structure And Mechanical Properties of Zinc Metal Matrix Composites Using Friction Stir Processing	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Sri V. Pradeep
17.	MD. Sadiqali, K.Ranjith, V. Saikrishna, Tharunkumar	Study on Characterization By Friction Stir Welding of Aluminium Alloys 6061 And 5083	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Sri P. Sreedhar

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18.	Medari Preethi, Bhukya Govardhan Sai, Parunandi Greeshma, Nidamanuri Venkata Bharath	Experimental Study on Mechanical Properties Of Metal Matrix Composite Materials	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Dr. J. Laxman
19.	K. Laxmi Prasanna, R. Sannihitha, P. Rohith , P. Avinash	Heat Transfer and Fluid Flow Analysis of Solar Air Heater	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Sri S. Anil Kumar
20.	L. Tejasri , D. Shashank ,R. Srujan, V. Srivastava	CFD based Performance Analysis of Solar Air Heater	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Sri S. Anil Kumar
21.	B. Siddhartha, M. Chandu, D. Mahender, Md. Nazeer	Experimental Investigations on Friction Stir Welded AA7075 Aluminium Alloys Reinforced With Al ₂ O ₃ And Graphite Nano-Particles	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Dr. Md. Sameer
22.	Faiza Fareeha Shaad Md Sai Trinath M Yogish	Computational Study of Heat Transfer Enhancement In Shell And Tube Heat Exchanger Using CUO-Water Based Nano Fluids	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Sri S. Ramesh
23.	S. Vidhi, T. Sai Krishna, O. Shailu	CFD Analysis of External Flow Vortex Shedding In Flow Over A Ribbed & Grooved Cylinder	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Dr. T Manoj Kumar & Dr. K. Sridhar
24.	G. Jaya Prakash, M. Premchand, SK. Javeed, B. Sriram	Characteristics of Flow And Heat Transfer In Ducts With Continues And Broken V Shaped Ribs	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Dr. E. Ramesh
25.	D. Vikas, V. Manoj Reddy, G. Anil Kumar, S. Swarnalath	Experimental Analysis Of Thermo-Electric generator used in IC Engine	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Dr. G. Ganesh Kumar
26.	Y. Sindhu, K. Ruthvik, B. Swarupa And B. Sandeep	Experimental Optimization of Wear Behavior of Metal Matrix Composites	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Smt. P. Anitha

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27.	V.Niketh Kumar, V. Srikanth, T. Ramu, A. Bhaviteja, D.Karthik, T. Preetham, Abdul Basith	Evaluation of Mechanical Properties By Panadanustectorious Short Fibres Reinforced With Natural Resin	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Dr. K. Raja Narender Reddy
28.	Bashetti Mukul Dheeraj,Bogi Kavya Sree,Velpula Harsha Vardhan,Mekala Saathwik	Investigation of The Dielectric Properties of Hybrid Natural Fiber And Conductive Filler Reinforced Polymer Composites	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	Sri K. Kishor Kumar
29.	Bhukya Sai Kiran	Enhancing Mechanical Properties of Glass Fiber-Reinforced Polymer Composite Material With The Addition of Sio2 And Multi-Walled Carbon Nanotubes	1 st International Conference on Mechanical Engineering: Researches and Evolutionary Challenges (ICMech-REC-2023)", 23 to 25 June 2023, NIT Warangal.	S. Sripathy

UG Students Publication Academic Year 2021-22

S. No	Name & Roll number of Students	Title of publication	Conference / Journal details	Faculty associated
1.	Shaik Yunas-B19ME194L, Lokerao Shiva Krishna`-B19ME200L, Bhukya Vamshi Krishna-B18ME167 & Lavudya Saikumar-B17ME170	Prediction of Hardness and Tensile Strength Properties of Aluminum-Based Hybrid Composites: Comparative Study of Statistical Mixture Design and Artificial Neural Network Model	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. K. Eswaraiah
2.	Pesaru Koushik-B18ME065, Gudipelly Venkat Reddy-B18ME079 & Sadi Dinesh Reddy-B18ME114	Comparison of Thermodynamic Parameters between Flat Plate Solar Air Heater and Finned Plate Solar Air Heater	Positif Journal Vol 22, Issue 7, 2022 Issn No : 0048-4911, Page no: 397-404	Dr. K. Sridhar
3.	Pesaru Koushik-B18ME065, Gudipelly Venkat Reddy-B18ME079 & Sadi Dinesh Reddy-B18ME114	Energy and Exergy based Analysis of a Solar air Heater with Structural Modifications to the Absorber Surface	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. K. Sridhar
4.	Gampala Vamshi-B18ME137, Donikena Ajay Kumar-B18ME136, Aditya D-B18ME128 & Satya Suhas Kosaraju-B18ME180	Mechanical characterization of tamarind fiber reinforced guar gum	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. K. Raja Narender Reddy

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5.	Jatoth Kalyan Kumar-B18ME044, Kakkerla Keerthana-B18ME045 & Nathi Rahul-B18ME048	Effect of chemical treatment of reinforcement on the dielectric properties of kondagoggu gum composites	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. K. Raja Narendra Reddy
6.	Dulam Akhila-B18ME151, Gundeboina Sandeep-B18ME125, Md Aamir Sohail Khan-B18ME149 & Kishnouth Navneeth Kumar Yadav-B18ME156	Some Experimental Studies on Micro-EDM of Titanium based Alloy	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. P. Srikanth
7.	Bojjam Saikumar-B19ME193L, Shaik Khadeer-B19ME196L, Puppula Charan-B18ME150 & Banothu Saidulu-B18ME148	Effect of Thermo-Electrical Energy Parameters on Material Removal Rate and Tool Wear Rate in EDM of Magnesium Alloy - ZE41 using Taguchi's L27 Orthogonal Array	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. U. Shrinivas Balraj
8.	Thangella Srikanth-B19ME195L, Lanka Shanmukha Srinivas-B18ME132, Thogiti Vishnu - B18ME139	Design and Fabrication of Heat Exchanger For Power Generation	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. G. Ganesh Kumar
9.	Kadivendi Swetha-B19ME197L, Shaik Sohail-B18ME165 & Dara Hanmitha-B19ME198L	Fabrication & characterized of Al 2014 Metal Matrix Composite through Frequency Induction Melting	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. P. Prabhakara Rao
10.	Maddi Ramya-B18ME034, Peddapatlolla Kireeti-B18ME031, Mukkera Pradeep-B18ME020, Bhanu Kiran Akuthota-B18ME054	Fabrication and characterization of Al/(ZrO ₂ +B ₄ C) surface nano composites via friction stir processing, pp. 296-303	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. A. Devaraju
11.	Veeramaneni Yashwanth-B18ME062, Pinninti Thilak Rao-B18ME064, Mekala Arun Teja-B18ME084 & G. Manivarma-B18ME091	Fabrication And Characterization Of Shape Memory Polymer Materials	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. A. Devaraju
12.	Devasoth Mahesh Chandra-B18ME145, Iruagu Shiva Prasad-B18ME164, Bachali Anu-B18ME173 & Jogu Tharun-B18ME169	Design and Analysis of Composite Propeller Shaft	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. P.S.S.Murthy

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13.	Sai Shiva Teja Karupothula-B18ME129, Gajjela Rushitha-B18ME168, Duppati Ramya Sri-B18ME171 & T. Akhila-B18ME172	Modeling of EDM Process Parameters Using Response Surface Methodology	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. J. Laxman
14.	Duppati Ramya Sri-B18ME171	Optimization of EDM Parameters Using Response Surface Methodology	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. J. Laxman
15.	Balne Gayathri Kavyasree-B19ME206L, Gundreddy Yeshaswi Reddy-B18ME124, Suram Vipplavandan-B19ME201L & Vallapu Nitish-B17ME149	Analysis and Optimization of EDM parameters using Response surface methodology	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. S. Chandramouli
16.	Surya Devara Sai Charan-B18ME109, Guntoju Aravind-B19ME192L, Lokini Raghu Charan-B18ME080 & Chinthala Bharath-B18ME075	Thermal Analysis Of Solar Collector With And Without Porous Layers With Effect Of Nanofluids And Hybrid Nanofluids	Positif Journal Vol 22, Issue 8, 2022 ISSN No : 0048-4911 pp No: 1-7	Dr. G. Srinivasa Rao
17.	Surya Devara Sai Charan-B18ME109, G. Aravind-B19ME192L, L. Raghu Charan-B18ME080 & Ch. Bharath-B18ME075	Thermal Analysis of Solar Collector With and Without Porous Layers With Effect of Nanofluids and Hybrid Nanofluids	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. G. Srinivasa Rao
18.	Mohd Farhan Ahmed-B18ME135, Pingili Sindhuja Reddy-B18ME140, Putta Surya Teja-B18ME134 & Hatkar Rahul-B18ME144	Combined Convection Heat Transfer Over Cylindrical and Spherical Object With And Without Porous Medium In Presence of Nanofluids	Positif Journal Vol 22, Issue 8, 2022 ISSN No : 0048-4911pp -8-15	Dr. G. Srinivasa Rao
19.	Mohd Farhan Ahmed-B18ME135, Pingili Sindhuja Reddy-B18ME140, Putta Surya Teja-B18ME134 & Hatkar Rahul-B18ME144	Combined Convection Heat Transfer Over Cylindrical And Spherical Object With and Without Porous Medium In Presence of Nanofluids	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. G. Srinivasa Rao
20.	Kunooru Santhosh-B18ME177, M. Sravani-B18ME152, N.Bharath-B18ME147 & Sanjay A-B18ME130	Mechanical and Morphological Studies of Jute Cellulose Reinforced Composites	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Sri Ch. Karunakar
21.	Kontham Neeraj-B18ME017, Katta Raj Kushal-B18ME012, MD Amaanuddin-B18ME016 & Kola Arun-B18ME018	Heat Transfer Enhancement Using Copper Oxide Nano fluid	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Sri S. Ramesh

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22.	Ch. Mounika-B19ME183L, Aku Shailaja-B19ME185L, S. Nithin Kumar-B18ME041 & MD Zahid-B18ME005	Numerical Analysis of Circular Duct Solar Air Heater	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Sri S. Anil Kumar
23.	M. Praneesha-B18ME154, Kadari Vivek-B19ME199L, Yama Sai Chandra-B18ME153 & A. Sai Anvesh-B18ME174	Numerical Analysis of Triangular Channel Solar Air Heater	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Sri S. Anil Kumar
24.	S. Vamshi Krishna	Comparative Study on Elastic and Impact Behaviour of Kenaf and Banana Fiber Reinforced Composites",	Positif Journal,(2022) Vol 22, 7, pp 497-506	Sri K. Kishor Kumar
25.	Mohammed Hafeez	Design & Analysis of an Automotive Radiator for an Enhanced Liquid Cooling System	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Sri M. Anil Kumar
26.	Boyini Ramya-B18ME166, Siripuram Manoj Kumar-B18ME163 & Bethi Abhinay-B18ME131	Optimization of EDM Parameters for Machining Stir cast Aluminium metal matrix composites using RSM and Taguchi Method	Positif Journal, 22(7), pp. 434-443. Available at: https://doi.org/10.37896/psj30.7/1235	Dr. MD. Sameer
27.	Boyini Ramya-B18ME166, Siripuram Manoj Kumar-B18ME163 & Bethi Abhinay-B18ME131	Experimental Investigation of Electric Discharge Machining Parameter Effects on Aluminium Metal Matrix Composites Using RSM Approach	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. MD. Sameer
28.	Narmeta Shruthi-B18ME059, Mohammad Sufiyan-B18ME037, K. Sai Suhas Reddy-B18ME033 & Ch. Siva Manikanta-B18ME006	Study of mechanical, microstructural and tribological properties of Friction Stir welded AZ91 Magnesium alloy reinforced with Al ₂ O ₃ nanoparticles	Positif Journal, 22(7), pp. 444-455. Available at: https://doi.org/10.37896/psj30.7/1236 .	Dr. MD. Sameer
29.	Narmeta Shruthi-B18ME059, Mohammad Sufiyan-B18ME037, Kancharla Sai Suhas Reddy-B18ME033 & Chodiseti Siva Manikanta-B18ME006	An experimental investigations on the Friction Stir welded AZ91 Magnesium alloy reinforced with Al ₂ O ₃ nanoparticles	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. MD. Sameer
30.	Nikhitha Modhe-B18ME009, Chandragiri Vinay-B18ME027 & Tanveer Khan-B18ME050	Performance assessment of vegetable oil based hybrid nanofluids in turning of Titanium alloy	20th ISME Conference on Advances in Mechanical Engineering Organized by Department of Mechanical Engineering Indian Institute of Technology Ropar, Punjab	Dr. G. Srinu
31.	Mohammed Ali Irshad Ur	Characterization and Fabrication of Metal	AICTE sponsored International conference	Smt. P. Anitha

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	Rahman-B18ME063, Nazrin-B18ME108, Gouru Praneeth Reddy-B18ME070 & Chada Vamshi Krishna Reddy-B18ME068	Matrix Composites Using Vibration Assisted Casting	on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	
32.	M. Karthik -B18ME072, D. Sharon Stephen-B18ME112, G. Vikas-B18ME107 & Swetha J-B18ME071	Structural Analysis of Kevlar-49 Fiber Reinforcement Composite Material using FEM	International Research Journal of Engineering and Technology (IRJET), Vol. 09, PP: 1550-1554, mar 2022.	Sri B. Ravi Kumar
33.	P. Bhavana-B18ME053, T. Vinay Kumar-B18ME032, K. Sai Tharun Naik-B18ME038 & Ayesha Qurath UI Aien-B18ME051	Automated Solar Panel Cleaning System using Wiper Mechanism	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Sri V. Rajesh
34.	K. Ashish-B18ME024, Syed Abdul Ahad-B18ME019, K Shanthan Rao-B18ME022 & N Saikiran Reddy-B18ME014	Evaluation of Wear Properties of Kenaf and Banana Fiber Reinforced Hybrid Composites	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Ms. P. Divya
35.	Pilli Eshwar-B18ME111, Erabati Nethaji-B18ME069 & Saminla Ramya Sri-B18ME115	Design And Fabrication of Attachable Wheelchair Automator	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Sri V. Rakesh
36.	A. Sravan-B19ME190L, P. Jhansi-B18ME085, M. Vivek-B17ME120 & P. Venkata S. Kumar-B18ME094	Design and Static Analysis of Heavy Vehicle Chassis with Different Alloy Materials at Different Optimum Load Conditions.	International Research Journal of Engineering and Technology (IRJET), Volume: 09 Issue: 03	Sri P. Anil Kumar
37.	Macharla Vinay-B18ME087, Mekala Pavan Raj-B18ME083, Nischith Maheshpu-B18ME104 & Matika Raju-B18ME086	Three-dimensional Numerical Simulation of Rotating Ribbed Duct	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. E. Ramesh
38.	Ripika Rakesh-B18ME105, Bingi Naveen-B18ME074 & Macharla Vinay-B18ME087	Effect of Perforated current collectors on the performance of the passive Direct Methanol Fuel Cell	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. B. Srinivasa Reddy
39.	A. V. Ramanuja Charyulu-B18ME003, R. Sai Charan-B18ME015, A. Shiva Charan-B18ME001 & MD. Nabeel-B18ME002	Performance Evaluation of Miniature Proton Exchange Membrane Fuel Cell using Serpentine Flow Channel Configuration	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. B. Srinivasa Reddy
40.	S. Sushmith-B18ME010, Ch.Varshith-B18ME040, J V S Hitesh-B18ME007 & D. Raghupathi-B18ME047	Preparation of energy sustainable carbon materials from Arhar shell biomass materials	AICTE sponsored International conference on Energy Sustainability, KITS, Warangal during 20 th - 21 st , May, 2022	Dr. M. Om Prakah

PG Student Publications during 2022-23:

Journals

1. **Rashi Keshoju**, P. Sathya Srinivasa Murthy, S. Sripathy, "Preparation and Characterization of Glass & Carbon Fiber Reinforced Polymer Composite Material," *Int. Scientific J. of Engineering and Management*, vol. 2, no. 5, pp.1-17, May 2023.
2. P. Anitha, G. Sumithra, **L. Aravind**, "Design and Manufacturing of Human Bone on 3D Printer," *Positif J.* vol. 22, no. 7 pp.476-483, July 2022.
3. P. Divya, K. Kishor Kumar, **S. Vamshi Krishna**, "Comparative Study on Elastic and Impact Behaviour of Kenaf and Banana Fiber Reinforced Composites," *Positif J.* vol. 22, no. 7 pp.497-506, July 2022.

International Conference

1. **R. Varun Charles**, "Experiments on Crush Behaviour of Three Basic Geometries," in *Proc. of 13th Int. Symp. on Plasticity and Impact Mechanics (IMPLAST)*, 21-26 Aug. 2022.
2. Prudhvidhar. K, Vamshi. K, B. Rohith Kumar, M. Manjunath Y, Shakuntala Ojha, K. Raja Narendar Reddy, Raghavendra Gujjala, "A Review on Fabrication, Mechanical and Tribological Behaviour of Polymer Functional Graded Material ", in *Proc. of 4th Innovative Product Design and Intelligent Manuf. Systems Int. Conf*, 25-26 November 2022.
3. **G Anusha**, "Study of Mechanical and Morphological Properties of Cellulose Reinforced Composites" in *Proc. of 2nd Int. Conf on Emerging Trends in Engineering (ICETE)*, 28-30 April 2023.

PG Student Publications during 2021-22:

Journals

1. Shankuntala Ojha, **V. Pranay**, G. Raghavendra, Dheeraj Gara, "Experimental evaluation and comparison of silica/biocarbon particulate-epoxy composites for high-strength applications," *J. of Materials: Design and Applications*, vol. 236, no. 1, pp.190-199, 2022.
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1. P. Divya, **K. Laxma Reddy**, "Evaluation of Mechanical Properties of Aluminium Based Metal Matrix Composite," in *Proc. of 2nd Int. Conf. on Chem. Bio and Environ. Eng., (CHEMBIOEN-2021)*, Aug. 20-22. 2021.

- 2 V. Srikanth, K. Raja Narendra Reddy, M. Keerthika, "Effect of Chemical Modification on Physical Properties of Coir Fiber/KGG Bio-Composites," in *Proc. of Int. Conf. on Adv. Manuf. and Mater. Process.*,(CAMMP-2021), July 24-25, 2021.
- 3 V. Srikanth, K. Raja Narendra Reddy, R. Sai Kumar, "Development and Evaluation of Dielectric Properties on OPMF/KGG Bio-Composites," in *Proc. of Int. Conf. on Adv. Manuf. and Mater. Process.*,(CAMMP-2021), July 24-25, 2021.
- 4 V. Srikanth, K. Raja Narendra Reddy, P. Anil Kumar, K. Punnam Chander, "Investigation of Mechanical and Thermal Properties of on PF/KGG Bio-Composites," in *Proc. of Int. Conf. on Adv. Manuf. and Mater. Process.*,(CAMMP-2021), July 24-25 2021.
- 5 P. Anitha, G. Sumithra, Lokini Aravind , "Design and Manufacturing of Human Bone on 3D Printer", in *Proc. of Int. Conf. on Energy Sustainability (AICTE-ES-2022)*, pp. 82-89, 20-21, May 2022.
- 6 P. Divya, K. Kishor Kumar, S. Vamshi Krishna, "Evaluation of Elastic and Impact Behaviour of Short Hybrid Natural Fiber Reinforced Composites", in *Proc. of Int. Conf. on Energy Sustainability (AICTE-ES-2022)*, pp. 524-532, 20-21, May 2022.
- 7 Ch. Karunakar, Y. Sai Sree, P. Kaveri, P. Akhil Teja, V. Sri Kiran and B. Mahesh Kumar, "Fabrication and Characterization of Hybrid Cellulose Composites" in *Int. Conf. Energy Sustainability*, pp. 335-341, May, 2022.
- 8 Mohammed Hafeez, M Anil Kumar, P. S. Srinivasa Murthy "Design & Analysis of an Automotive Radiator for an Enhanced Liquid Cooling System" in *Int. Conf. Energy Sustainability*, pp. 364-371, May, 2022.

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- 1 V. Pradeep, B. Anil Kumar, Madeesha Zoufeen, "Mechanical Characterization of Composite Material Fabricated by Friction Stir Processing Technique," in *Proc. of 2nd Int. Conf. on Recent Adv. in Manuf.* (RAM-2021), pp. 609-622, June 10-12 2021.
- 2 Ch. Karunakar, M. Om Prakash, K. Kishor Kumar, K. Raja Narendra Reddy, S. Navaneeth, "Mechanical and Morphological Studies of Cellulose Reinforced Isophthalic Polyester Composites," in *Proc. of Int. Conf. on Mater. Mech. and Energy Eng.*, (ICMMEE-2021), May 7-8 2021.

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