

Chennai Institute of Technology

Department of Mechanical Engineering

Student Publications Details 2020-2021

Department: MECHANICAL							Academic Year: 2020-2021	
S.No	Name of the Student / Authors	Year/ Sem/Sem c	Name of the Conf. Symposium	Date	Organised by	Level	Title of Paper	Journal / Proceeding Details
1	M. Varsha Shree	II/III/C	NA	26.11.2020	NA	International	Study on Electric Vehicle (EV) and Its Developments Based on Batteries, Drive System and Charging Methodologies in Modern World.	In Electric Vehicles, pp. 103-118. Springer, Singapore, 2021
2	M. Varsha Shree	II/III/C	International Conference on recent trends in mechanical and materials engineering	29.10.2020	Chennai institute of technology	International	Tensile analysis of 3D printed thin cylinder at different percentage of infill's	In AIP Conference Proceedings vol. 2283, no. 1, p. 020098
3	K. KalidasanS. SuryaM. Varsha Shree	III/VI/CII I/VI/CII/I II/C	International Conference on recent trends in mechanical and materials engineering	29.10.2020	Chennai institute of technology	International	Influence of image pixels and image contrasts in computing 2D geometrical properties using MATLAB	In AIP Conference Proceedings vol. 2283, no. 1, p. 020035
4	Adharsh.SA. Abul Kalam AzadFathima Yasin Fahmidha	III/VI/C	International conference on recent developments in material science and applications	01.12.2020	Chennai institute of technology	International	Review on 3d Printing of Biological Tissues and the Materialization	In IOP Conference Series: Materials Science and Engineering , vol. 988, no. 1, p. 012128

5	A. Rahul Kumar K.P.Manoj Kumar	IV/VIII/ CIII/VI/ C	In Advances in Industrial Automation and Smart Manufacturing	21.10.2020	Santhiram Engineering college	International	Design of Industrial Safety Helmets with Improved Stiffness Through Finite Element Analysis	pp. 155-166. Springer, Singapore, 2021.
6	K.P.Manoj Kumar P.M.Bupathi Ram	III/VI/CII /III/C	In Advances in Industrial Automation and Smart Manufacturing	21.10.2020	Santhiram Engineering college	International	A FEA Model to Predict Mechanical Properties of Laminated Bamboo Composites.	pp. 587-595. Springer, Singapore, 2021.
7	K.P.Manoj Kumar	III/VI/C	International conference on recent developments in material science and applications	01.12.2020	Chennai institute of technology	International	A Review On Ultrasonic Welding of Various Materials and Their Mechanical Properties	vol. 988, no. 1, p. 012113. IOP Publishing, 2020.
8	K.P.Manoj Kumar A. Rahul Kumar	III/VI/C IV/VIII/ C	In Advances in Industrial Automation and Smart Manufacturing	21.10.2020	Santhiram Engineering college	International	Numerical Analysis on Gas Turbine Blade of a Nickel-Based Alloy with Titanium Alloy	pp. 663-671. Springer, Singapore, 2021.
9	P.M.Bupathi Ram	II/III/C	International conference on recent developments in material science and applications	1.12.2020	Chennai institute of technology	International	Finite Element Analysis of Automotive Truck Chassis	Vol. 988, no. 1, p. 012114. IOP Publishing, 2020.
10	K. Surendar	II/III/C	In 2020 6th International Conference on Advanced Computing and Communication Systems	06.03.2020	Sri Eshwar College of Engineering	International	Nourishing Indian Economy-through Curriculum Change in Rural Schools	pp. 1403-1406. IEEE, 2020
11	Jeeva.K Harin Kumar Kannan.R.S	IV/VIII	Journal of Physics: Conference Series	Mar-21	NA	International	Topology optimization of an ATV wheel hub	IOP Publishing doi:10.1088/1742-6596/2027/1/012022
12	Naveen Selva Sri Ramana Karthikeyan	IV/VIII	Journal of Physics: Conference Series	Mar-21	NA	International	Investigation on Composite Feedstock filament for fusion deposition modelling	IOP Publishing doi:10.1088/1742-

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13	Padma Pravin Prabhagar.V.S Jawhar Srinivas.S	IV/VIII	Journal of Physics: Conference Series	Mar-21	NA	International	Strength of 3D prints with variable print orientation	IOP Publishing doi:10.1088/1742-6596/2027/1/012021
14	Ranjith L Jagadeep Jawahar Ganesh	IV/VIII	Journal of Physics: Conference Series	Mar-21	NA	International	Micro-mechanics study of Nano TiO2 high friction composite material using pin on disc method	IOP Publishing doi:10.1088/1742-6596/2027/1/012032
15	Pugazhendhi L	III/VI	Journal of Physics: Conference Series	Mar-21	NA	International	A Review on the significant classification of Additive Manufacturing	IOP Publishing
16	Pugazhendhi L	III/VI	Journal of Physics: Conference Series	Mar-21	NA	International	Fabrication of brake overrides system with sleep detector	IOP Publishing
17	Vignesh A	IV/VIII	NA	Oct-20	NA	International	Buckling analysis of 3D printed ABS thin cylinder at different percentage of infill	AIP conference proceedings
18	Gokulavarman V	III/VI	NA	Oct-20	NA	International	Effect and Flow Analysis of turbine blades in the Engine turbocharger	IRJET/Volume: 07 Issue: 10 Oct 2020
19	Mannem LeelaMohan G.siva krishna koduru rakshith kumar	III/VI	NA	Mar-21	NA	International	Scope of 3D printing Technology in various sectors: A Review	International Research Journal of Modernization in Engineering Technology and science
20	Mannem LeelaMohan	III/VI	NA	Oct-20	NA	International	Hydroxyl Ammonium Nitrate (HAN) based monopropellants for next generation launch vehicles: A Review	International Research Journal of Engineering and Technology.

21	Gokulavarman V	III/V	NA	Nov-20	NA	International	Flow analysis of 3d-printed ventilator splitter for acute respiratory distress syndrome caused by covid-19	IRJET/Volume: 07 Issue: 11 Nov 2020
22	Janani Kavipriya V S	III/V	NA	Oct-20	NA	International	A Technical Review on Effect of Spray Angles and Characteristics for a Pintle Injector	Journal of Advanced Engineering Research ISSN: 2393-8447 Volume 7, Issue 2, 2020, pp.30-36
23	Pugazhendhi L	III/VI	NA	Feb-21	NA	International	A review on different hybrid composites for aircraft structures	Materials Today Proceedings
24	Pugazhendhi L	III/VI	NA	May-21	NA	International	Tensile and flexural properties of natural fibre matrix composites developed through hand-lay method	Materials Today: Proceedings

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S.No	Name of the Student / Authors	Year/ Sem/ Sec	Name of the Conf. Symposium	Date	Organised by	Level	Title of Paper	Journal / Proceeding Details
1	M.Lavanya K.Vigneswari	IV/VIII/ C	First International conference on Advanced Lightweight Materials and Structures	10.10.2019	CMRIT	International	Review on Exploration of Graphene in Diverse Applications and its Future Horizon	Materials Today: Proceedings
2	B.Gokhulabalan A.Rahul Kumar	II/III/CI V/VIII/C	First International conference on Advanced Lightweight Materials and Structures	14.09.2019	CMRIT	International	Advancement in Materials for Industrial Safety Helmets	Materials Today: Proceedings
3	M.S.Hasunfur Riyaz	III/VI/C	First International conference on Advanced Lightweight Materials and Structures	05.10.2019	CMRIT	International	Review on study of thermosetting and thermoplastic materials in the automated fiber placement process	Materials Today: Proceedings
4	K. P. Manoj Kumar&P. M. Bupathi Ram	III/VI/CI I/III/C	First International conference on Advanced Lightweight Materials and Structures	10.10.2019	CMRIT	International	A review on recent advancements in fused deposition modeling	Materials Today: Proceedings
5	S. V. Shriragav&A. Fathima Yasin Fahmidha	II/III/CI I/VI/C	First International conference on Advanced Lightweight Materials and Structures	14.09.2019	CMRIT	International	A review on the categorization of the welding process of pure titanium and its characterization	Materials Today: Proceedings
6	Gokulakrishnan Sriram	IV/VII/C	NA	19.11.2019	NA	NA	Experimental investigation of plasma arc welded Ti-6Al-4V sheets	Transactions of the Canadian Society for

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7	M. Varsha ShreeK.P.Manoj Kumar	II/III/CII I/VI/C	International Conference on Recent Trends in Nanomaterials for Energy, Environmental and Engineering Applications	15.07.2019	KREC	International	Review on characterization and impacts of the lattice structure in additive manufacturing	Materials Today: Proceedings
8	M.Varsha ShreeP.M.Bupathi Ram	II/III/CII /III/C	International Conference on Recent Trends in Nanomaterials for Energy, Environmental and Engineering Applications	17.07.2019	KREC	International	A review on the recent developments in modeling heat and material transfer characteristics during welding	Materials Today: Proceedings
9	A.Fathima Yasin Fahmidha	III/VI/C	International Conference on Recent Trends in Nanomaterials for Energy, Environmental and Engineering Applications	17.07.2019	KREC	International	Wire Arc Additive Manufacturing (WAAM) process of nickel based superalloys–A review	Materials Today: Proceedings
10	M. Swapna SaiK. P. Manoj Kumar	II/III/CII I/VI/C	International Conference on Recent Trends in Nanomaterials for Energy, Environmental and Engineering Applications	21.08.2019	KREC	International	A systematic review of effect of different welding process on mechanical properties of grade 5 titanium alloy	Materials Today: Proceedings
11	M.Varsha ShreeP.M.Bupathi Ram	II/III/CII /III/C	International Conference on Recent Trends in Nanomaterials for Energy, Environmental and Engineering Applications	21.08.2019	K.Ramachandra n engineering college	International	Effect of 3D printing on supply chain management	Materials Today: Proceedings

12	C.Breever Asington K. Selvam P.Arun Kumar	IV/VIII/ B IV/VIII/ B IV/VIII/ A	International Conference on Recent Trends in Nanomaterials for Energy, Environmental and Engineering Applications	11.04.2020	KREC	International	Mechanical properties and dry sliding wear behaviour of Al2219 alloy reinforced with TiB2 composites by stir casting route	Materials Today: Proceedings
13	S. Tamilselvan S. Saravanan D. Nantha Gopal	IV/VIII/ B IV/VIII/ B IV/VIII/ B	International Conference on Nanotechnology: Ideas, Innovation and Industries	08.04.2020	KREC	International	Experimental investigation of AA2014 alloy with reinforcement of fly ash and SiC hybrid composites by stir casting method.	Materials Today: Proceedings
14	M. Sundar L. Pugazhendhi K. Ranganathan	II/III/C II/III/C II/III/C	International Conference on Newer Trends and Innovation in Mechanical Engineering: Materials Science	01.05.2020	KREC	International	Thermal and mechanical properties of titanium matrix composites synthesized through solid state technique	Materials Today: Proceedings

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1	Gokulakrishnan Sriram	IV/VIII/C	NA	01.05.2019	NA	NA	Finite Element simulation of Temperature Distribution and Residual Stress in Single Bead on Plate Weld Trial using Double Ellipsoidal Heat Source Model	ISSN: 2277-3878
2	Gokulakrishnan Sriram	IV/VII/C	International Journal of Recent Technology and Engineering	01.05.2019	Chennai institute of technology	International	Studies on Crack propagation in Plasma Arc Welded Ti-6Al-4V Joint during Erichsen Cupping Test	ISSN: 2277-3878
3	Vijayakumar M. D, Anshumaan Krishnan Ayyangar	VIII/8	International Journal for Research in Applied Science & Engineering Technology	July 2018	-	International	Design and Fabrication of Industrial Components using 3D Printing	2321-9653
4	S. Dineshkumar, Shrinidhy Sriram, R Surendran	IV/08	International Journal of Recent Technology and Engineering	2019	-	International	Experimental Investigation of Tensile Properties of Ti-6Al-4V alloy at Elevated Temperature	1S2 (2019): 103-107
5	S. V. Shriragav, A. Fathima Yasin Fahmidha	II/04	Materials Today	2018	-	International	A review on the categorization of the welding process of pure titanium and its characterization	https://doi.org/10.1016/j.matpr.2019.12.034
6	K. P. Manoj Kumar, P. M. Bupathi Ram	II/04	Materials Today	2018	-	International	A review on recent advancements in fused deposition modeling	https://doi.org/10.1016/j.matpr.2019.12.036