



VIGNAN'S LARA

INSTITUTE OF TECHNOLOGY & SCIENCE

Approved by AICTE New Delhi & Affiliated to JNTUK Kakinada
Vadlamudi - 522 213, Guntur District

List of Books/ Book Chapters and Conference proceedings during the Last five Years of all Departments

Sl. No.	Name of the Teacher	Title of the paper	Name of the conference	Year of publication	ISBN number of the proceeding	Name of the publisher
1	V Haribalaji, Sampath Boopathi, M Mohammed Asif	Influences of Mg-Cr filler materials in Friction Stir Process of Aluminium-based dissimilar alloys	The International Conference on Thermal Analysis and Energy Systems 2021.	2022	2214-7853	Elsevier
2	V Haribalaji, Sampath Boopathi, M Mohammed Asif	Influences of Friction stir tool parameters for joining two similar AZ61A alloy plates	the 2nd International Conference on Functional Material, Manufacturing and Performances	2022	2214-7853	Elsevier
3	V Haribalaji, Sampath Boopathi, M Mohammed Asif	Optimization of friction stir welding process to join dissimilar AA2014 and AA7075 aluminum alloys	the 2nd International Conference on Functional Material, Manufacturing and	2022	2214-7853	Elsevier

			Performances			
4	Prasanna Kumar Thotakura, Siva Krishna Karnati, Nagoju M. K. Sarath Kumar, and Radha Krishna Gopidesi	Experimental Investigation on Shell and Tube Exchanger for the Rate of Heat Transfer by Using Ethylene Glycol and Propylene Glycol Fluids	Innovations in Mechanical Engineering	2022	978-981-16-7281- 1	Springer
5	M. Jemimah Carmichael	Impact of heating cooling regime on flexural behaviour of self-compacting concrete beams exposed to elevated temperatures	Sustainable Materials and Practices for Built Environment	2022	2214-7853,	Elsevier
6	M. Jemimah Carmichael	Effect of cover thickness on flexural behaviour of conventional and self compacting concrete beams subjected to elevated temperature	Sustainable Materials and Practices for Built Environment.	2022	2214-7853,	Elsevier

7	M. Jemimah Carmichael., G. P.L.Meyyappanc	An efftive replacement of granite and marble power on cememnt mortar subjected to to chloride ion penertration test	National Conference on Structural Engineering and Construction Management	2021	978-3-030-55115-5	Springer
8	M.Mohammed Asif	Analysis of hole quality errors in drilling drilling of GFRP composite	International Conference on Research and Advances in Mechanical Engineering(ICRA ME 2020) 10TH-11TH December 2020, Hyderabad, India	2021	1757-8981	IOP
9	KV Vardhan, M Sarada, A Srinivasulu	Novel Modular Adder Based on Thermometer Coding for Residue Number Systems Applications	2021, 13th International Conference on Electronics, Computers and Artificial Intelligence	2021	978-1-6654-2534-6	IEEE
10	M. Jemimah Carmichael., G. Prince Arulraj., P.L.Meyyappanc	Effect of partial replacement of cement with nano fly ash onpermeable concrete: A strenth study	NA	2021	2214-7853	Elsevier

11	M. Jemimah Carmichael., P.Pooja., V.Girija., K.Vidhya., B.Nithya., M.P.Sureshkumar	Beam-column joint: Structural behaviour using hybrid fibres	NA	2021	2214-7853	Elsevier
12	Jemimah Carmichael. M.and Prince Arulraj. G	Compressive Strength of Concrete with Nano Cement	NA	2021	978-1-83962-328- 8	Intechopen Book Series, London,UK
13	Dr.V.V. Hari Babu, Dr. Niti Chawla, Dr. S. Padmavathy and Dr. M.Jemimah Carmichael	Synthesis, characterization and applications of copper nanoparticles	Recent Trends in Applied Sciences and Computing Engineering (RTASC) -A multidisciplinary approach	2021	1978-81-950236-3- 9	Association of global academicians and researchers publications [AGAR],
14	M. Jemimah Carmichael	Utilization of Paper Sludge Ash in Lime Based Geopolymer Concrete: An Experimental Study	International Conference on Structural Engineering and Construction Management	2021	978-3-030-80312- 4	Springer
15	Yemineni Siva sankara Rao	Investigation on Fatigue Life Prediction of Riveted Cantilever Beam Using FEA Approach	40th International Conference on Ocean, Offshore and Arctic Engineering	2021	978-0-7918-8512- 3	ASME

16	Yemineni Siva sankara Rao	Buckling Analysis of Torpedo's Cylindrical Shell	40th International Conference on Ocean, Offshore and Arctic Engineering	2021	978-0-7918-8516-1	ASME
17	Nadendla Srinivasababu & Kopparthi Phaneendra Kumar	Synthesis of Nanocellulose Fibrils/Particles from Cellulose Fibres Through Sporadic Homogenization	International conference TEMT 2019	2021	1978-981-15-5462-9	Springer
18	Nadendla Srinivasababu	Effect of Biodegradable Adhesive on Bleached Agave Americana Fibre Reinforced Epoxy Composites	NA	2021	978-981-33-4749-6	Springer
19	M. Jemimah Carmichael.,G.Revathy, K.V.Malini, Manoj Ashok Wakchaure, Dinesh Sheshrao Kharate, Jaishree Murugesan	Design and development of smart dustbin	NA	2021	1369-7021	Elsevier
20	Mr. Jitendra Kumar Saini	CNFET Based Full Adders for Mission Critical Applications	NA	2021	978-6203463255	LAP LAMBERT Academic Publishing

21	M. Jemimah Carmichael	Design & development of a mathematical model for constructing a straight-line motion / trajectory for any mechanical robotic manipulator using bounded deviation concept along with its simulation by knot points	NA	2021	1369-7021	Elsevier
22	Nadendla Srinivasababu	Fabrication of Variable Speed Lamina Cutting Machine	International Conference on Intelligent Computing, Information and Control Systems	2021	978-981-15-8442-8	Springer
23	M. Venkatesan	Performance comparison of P&O based PID, FUZZY and ANN MPPTs for Interleaved DC-DC converter	4 th National Virtual Conference on Clean and Green Energy 2021	2021	978-93-5457-296-8	Karpagam Academy of Higher Education, Coimbatore – 641 023.
24	M. Divya	Recreation and Control of Multi Rotor Wind Power Generating Scheme for Pumping Applications	NA	2021	9781003143802	CRC Press

25	M. Divya	Implementation of Solar, UC/Battery-Based Hybrid Electric Vehicle with an Efficient Controller	NA	2021	9781003143802	CRC Press
26	M.V.Sudarsan,	Single-Stage AC-DC Integrated Double Buck-Boost LED Driver	Microelectronics, Electromagnetics and Telecommunications	2021	978-981-15-3827-8	Springer
27	M. Jemimah Carmichael	Studies on strength properties of basalt fibre reinforced concrete	International Conference on Advanced Materials Behavior and Characterization (ICAMBC 2020)	2021	1369-7021	Elsevier
28	M.V.Sudarsan,	Fuzzy controlled high gain Non-isolated DC-DC Hybrid boost converter	Microelectronics, Electromagnetics and Telecommunications	2021	978-981-15-3827-8	Springer
29	M. Jemimah Carmichael	Realization of industrial automation using Bluetooth technologies	NA	2021	1369-7021	Elsevier

30	M. Jemimah Carmichael.	Design and development of rescue robot in borewell environment	NA	2021	1369-7021	Elsevier
31	M. Jemimah Carmichael., G. PrinceArulraj	Impact resistance of concrete with nano materials	NA	2020	2214-7853	Elsevier
32	Gopidesi R.K.	Production of waste plastic oil and its impact on a diesel engine used as a fuel	NA	2020	1551-7616	AIP conference Proceddings
33	M. Jemimah Carmichael	Design and development of IoT based home computerization using Raspberry pi	NA	2020	1369-7021	Elsevier
34	Nadendla Srinivasababu	Mechanical Performance of Fire Retardant Coated and Uncoated Okra/Agave Americana Hybrid Fibre Reinforced Phenolic Composites	NA	2020	978-981-15-8931-7	Springer
35	M. Jemimah Carmichael and Meyyappan PL	A Comparative Investigation on the Utilization of	National Conference on Structural	2020	978-3-030-55114-8	Springer

		Marble Dust and Granite Dust in the Cement Mortar Against the Sulphate Resistance	Engineering and Construction Management			
36	M. Jemimah Carmichael and Meyyappan PL	An Effective Replacement of Granite and Marble Powder on Cement Mortar Subjected to Chloride Ion Penetration Test	Proceedings of SECON 2020	2020	978-3-030-55114-8	Springer
37	K Vijaya Vardhan, Gonuguntla Sailakshmi, Sarada Musala, Avireni Srinivasulu	Analysis and Design of High Speed Residue to Binary Reverse Converter for the Moduli Set $\{2n+1, 2n, 2n-1\}$	2020 IEEE Recent Advances in Intelligent Computational Systems (RAICS)	2020	978-1-7281-9052-5	IEEE
38	Nadendla Srinivasababu	Comparison in Performance of Hybrid and Marvel NoKH Okra/Abelmoschus esculentus Fibre Reinforced Polymer Composites Under Tensile Load	NA	2020	978-3-030-20800-4	Springer
39	Nadendla Srinivasababu	Tensile Behaviour of Centrally Holed Pineapple Fibre	NA	2020	978-981-15-1416-6	Springer

		Reinforced Vinyl Ester Composites				
40	M. Jemimah Carmichael	Design and development of internet of things based ambiance air excellence monitoring system	NA	2020	1369-7021	Elsevier
41	M. Jemimah Carmichael.	Inspection of dynamic power in micro-grid system during impedance-based compensation	NA	2020	ISSN: 1369-7021	Elsevier
42	M. Venkatesan	A Review on Topologies for Transformer-Less Grid-Connected PV Inverter	Advances in Electrical and Computer Technologies	2020	978-981-15-5557-2	Springer
43	M. Jemimah	Influence of Steel Fibers on Enhancing the Toughness Property on Concrete: A Simplified Approach	Smart Technologies for Sustainable Development	2020	978-981-15-5001-0	Springer

44	Mr. Venkata Naga Baji Tokala	Synthesis and mechanical behavior studies of bio-waste derived lowcost composite materials	NA	2019	1369-7021	Elsevier
45	B. JayaBabu	Development of Demand Side Management strategy for smart residential distribution system embedded with EV Load	TENCON 2019 - 2019 IEEE Region 10 Conference (TENCON)	2019	:978-1-7281-1895-6	IEEE
46	Nadendla Srinivasababu	12 -Understanding the durability of long sacred grass/Imperata cylindrica natural/hybrid FRP composites	NA	2019	9780081022900,	Woodhead Publishing
47	M. Venkatesan	NA	NA	2018	978-93-87950-06-1	Lakshmi Publications,C hennai

48	Ravindranath Tagore Yadlapalli; Anuradha Kotapati	Dynamic Performance Enhancement of Full Bridge Converter as CPU VR	2018 Fourth International Conference on Advances in Electrical, Electronics, Information, Communication and Bio- Informatics (AEEICB)	2018	978-1-5386-4606- 9	IEEE
49	G. S. Srinivasa Gopinath and M. V. K. Meher	Electricity a basic need for the human beings	NA	2018	1551-7616	AIP conference Proceddings
50	G. S. Srinivasa Gopinath	Efficiency of dopant based silicon solar cells: An analytical study	NA	2018	1551-7616	AIP conference Proceddings
51	Guttikonda P.	Hiding encrypted multiple secret images in a cover image	International Conference on Computational Intelligence and Data Engineering	2018	978-981-10-6318- 3	Springer
52	Srinivasa Rao U., Siddaiah P.	Design, simulation and performance comparison of 1, 2, 4 and 8 elements quarter-wave transformer fed circular patch antenna array at L	Innovations in Electronics and Communication Engineering	2018	978-981-10-3811- 2	Springer

		band for airborne applications				
53	Nadendla Srinivasababu	Edge crack effect on tensile behavior of diversified wood particulate composites	NA	2018	9.78008E+12	Woodhead Publishing
54	T. Saimounika; K. Kishore	Real time locating system using RFID for Internet of Thing	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing	2018	978-1-5386-1887-5	IEEE
55	G. Harish; S K. Haseena	An RTOS based implementation of SteganoPIN for safe PIN entry	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing	2018	978-1-5386-1887-5	IEEE

56	Lavanya Chimaladinne; Nagaraju Sonti	Automatic token allocation system through mobile in primary care	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing	2018	978-1-5386-1887-5	IEEE
57	D. Udaya Lakshmi; B. Harish	A novel air writing recognition system using Raspberry Pi for the control and interaction of digital systems	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing	2018	978-1-5386-1887-5	IEEE
58	Basavoju Harish; K. Sivani; M.S.S. Rukmini	Performance comparison of various CMOS full adders	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing	2018	978-1-5386-1887-5	IEEE
59	K. Gopavanitha; S. Nagaraju	A low cost system for real time water quality monitoring and controlling using IoT	2017 International Conference on Energy, Communication, Data Analytics and Soft	2018	978-1-5386-1887-5	IEEE

			Computing			
60	Nadendla Srinivasababu	An Investigation on RTM Process Parameters and their Influence on Impact Failure Behavior of FRP Laminates	5th International Conference of Materials Processing and Characterization (ICMPC 2016)	2018	NA	Elsevier
61	N. Rajanand Patnaik; Y. Ravindranath Tagore; S. Chaitanya	Advanced seven level transformer-less multilevel inverter topology for PV application	2017 Third International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB)	2018	978-1-5090-5434-3	IEEE
62	M.V.Sudarsan	Design of state-PID feedback controller for magnetically suspended balance beam system	2017 International Conference on Power and Embedded Drive Control	2018	978-1-5090-4679-9	IEEE

63	M.V.Sudarsan	Boost PFC converter based on intelligent SM controller	2017 IEEE International Conference on Electrical, Instrumentation and Communication Engineering (ICEICE)	2018	978-1-5090-4996-7	IEEE
64	A. N. Venkateswarlu	An integrated approach with redispatch and UPFC for voltage stability enhancement in deregulated power systems	2017 IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPSI)	2018	:978-1-5386-0814-2	IEEE
65	Kundavarapu Vengalrao, Kopparthi Phaneendra Kumar, DasariVenkata RaviShanker, NadendlaSrinivasababu, AerraKiran Kumar Yadav	An Investigation on the Quality of the Laminates Produced by VARTM Process and Process Parameters	NA	2018	2214-7853	Elsevier
66	Nadendla Srinivasababu	Manufacturing Dies and Punches for Preparation of Powder Metallurgical Mechanical Test Specimens.	NA	2018	2214-7853	Elsevier

67	Prashanti G., Jyothirmai B.V., Chandana K.S.	Data confidentiality using steganography and cryptographic techniques	2016 Thirteenth International Conference on Wireless and Optical Communications Networks	2018	978-1-5090-4967-7	IEEE
68	B. S. Ayyappa Kumar; A. S L C Sekhara Kumari	Best optimal route cover search using spatial keyword covering	2017 International Conference on Computer, Communication and Signal Processing (ICCCSP)	2018	978-1-5090-3716-2	IEEE
69	S. Chaitanya; N. Rajanand Patnaik; K.V.S.R. Murthy	A novel seven level symmetrical multilevel inverter topology	2017 Third International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB)	2018	978-1-5090-5434-3	IEEE
70	Chintala Yehoshuva; J. Veeryya; P. Vereendra; K. Sumit; Pavan Kumar; Mansoor	New approach of tunable notch filter for blocker suppression of multi-mode	2017 International Conference on Computer Communication	2018	978-1-4673-8855-9	IEEE

		wireless devices	and Informatics (ICCCI)			
71	Ranjeet Kumar; Solunke Yogesh Shriram; Akhilesh Indupalli	Design and Development of Low-Cost Three Degree of Freedom Force Sensor	2017 International Conference on Recent Trends in Electrical, Electronics and Computing Technologies (ICRTEECT)	2018	978-1-5090-6266-9	IEEE
72	Nadendla Srinivasababu	Mechanical Behavior of Arbitrarily Reinforced Cocos Nucifera Leaf Sheath Fibre Reinforced Polyester Composites— Comparison with other Coconut FRP Composites	International Conference on Recent Trends in Engineering and Material Sciences	2018	2214-7853	Elsevier
73	Ravindranath Tagore Yadlapalli; Anuradha Kotapati	Efficiency analysis of Quadratic buck converter for LED lamp driver applications	2017 International Conference on Trends in Electronics and Informatics (ICEI)	2018	978-1-5090-4257-9	IEEE

74	Ravindranath Tagore Yadlapalli; Anuradha Kotapati	Dynamic performance comparison of Quadratic buck converter with analog and Digital average current- mode controllers	2017 Third International Conference on Advances in Electrical, Electronics, Information, Communication and Bio- Informatics (AEEICB)	2018	978-1-5090-5434- 3	IEEE
75	Prashanti Guttikonda, Sandhya Rani Kaviti, Ashok Kumar Popuri	A New Approach for Data Security in Cryptography and Steganography	International Conference on Computer & Communication Technologies IC3T - 2016	2018	978-981-10-3225- 7	Springer