



# VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institute, NAAC Accredited with 'A++' Grade (CGPA: 3.73/4.0)  
NBA Accredited for CE, EEE, ME, ECE, CSE, EIE, IT B.Tech. Programmes

## Department of Automobile Engineering

Academic Year: 2020-21

S. No.	Name of Authors	Title of the Paper/ Book Chapter/Books	Title of the Journal /Title of the Conference/Title of Books	Volume and Issue No./ Year of Publication/ Dates of the Conference & Page Nos.	Indexing (SCI/SCOPUS/ WoS /UGC/refereed Journals)	ISBN/ISS N of the Journal/ Proceedings
1	Prashanth K, Amjad Shaik, Srinivasa Rao T, Pavan Bharadwaja B	Experimental investigation of argon gas induction on diesel engine performance and emission characteristics: A comprehensive study on de-NOx techniques	Process Safety and Environmental Protection	Volume 152, Pages 471-481	SCI	09575820
2	M. Venkata Ramana, G. Krishna Mohana Rao, Bidya Sagar, P. Ravi Kumar, B.V. Raja Ravi Kumar	Optimization of surface roughness and tool wear in sustainable dry turning of Iron based Nickel A286 alloy using Taguchi's method	Cleaner Engineering and Technology	Volume 2 100034	Google Scholar	2666-7908
3	Ravi Krishnaiah; Suresh Devunuri; Jim Alexander; E. Porpatham	Experimental investigation on lean burn spark ignition engine using alcohol-gasoline blends	Progress in Industrial Ecology	Vol 14, issue 2, 104-115	Scopus	14768917
4	Mohamad Aziz Athani, M. Krishna, Gourav Tiwari, Nagaraj A. Shet	Sliding wear characteristics of aluminium silicon alloy with macro addition of magnesium at room temperature	Materials Today: Proceedings	Volume 45, Part 2, Pages 3512-3516	Scopus	2214-7853

5	Jadi Raghu Varma Sai Kiran Reddy Katepalli, Mallampati Sreeja, Balappa Hadagali	Comprehensive studies on alcohol using port fuel injection facilitated with spark plug engine	Materials Today: Proceedings	Volume 45, Part 2, Pages 3219-3225	Scopus	2214-7853
6	T.S. Krishna Kumar, S. Anil Kumar, K. Kodanda Ram, Kiran Raj Goli, V. Siva Prasad	Analysis of thermoelectric generators in automobile applications	Materials Today: Proceedings	Volume 45, Part 7, Pages 5835-5839	Scopus	2214-7853
7	N Beem Kumar, S Dinesh Kumar, A D Dhass, D Yuvaraja, T.S. Krishna Kumar	Impact on the performance of solar photovoltaic system with the innovative cooling techniques	Advanced Technologies for solar photovoltaics Energy system-green energy and technology	Page 97	UGC	1865-3529
8	T.S. Krishna Kumar, D. Naveen Raj, Balappa Hadagali M. Krishna N. Kumaresan	Performance Investigation and Redesigning of Tractor Engine Muffler	Journal of Engineering Science	Vol 11, issue 7	UGC	0377-9254
9	S. Anil Kumar, K. Arumugam, Venkata Ramarao Mutyala, K. Kodandaram, TS. Krishna Kumar	Investigation on mechanical properties of natural fiber-polymer composite materials	Materials Today: Proceedings	Volume 45, Part 7, Pages 6149-6153	Scopus	2214-7853

**Academic Year: 2019-20**

S. No.	Name of Authors	Title of the Paper/ Book Chapter/Books	Title of the Journal /Title of the Conference/Title of Books	Volume and Issue No./ Year of Publication/ Dates of the Conference & Page Nos.	Indexing (SCI/SCOPUS/ WoS /UGC/refereed Journals)	ISBN/ISS N of the Journal/ Proceedings
1	Raju T, Shaik Amjad T. Srinivasa Rao	Enhancement of performance and emission characteristics of SI engine using Multi ground spark plug using alcohol fuel blends	SAE Technical Paper	2019-28-0154	Scopus	ISSN 0148-7191
2	Shaik Amjad T. Srinivasa Rao Raju T, Ramu R	Development and Testing of Electric Microcar for Indian cities	SAE Technical Paper	2019-28-0008	Scopus	ISSN 0148-7191
3	Shaik Amjad, Raju T, Prashanth Kannan Pavan Bharadwaja Bhaskar T. Srinivasa Rao	Design considerations and Analysis of Electric Microcar for cities	SAE Technical Paper	2019-28-0161	Scopus	ISSN 0148-7191
4	K. Vijaya Krishna Varma, B. V. R Ravi Kumar, M. Venkata Ramana,	Influence of Mx-Trivex, A-Skew, Three Flat Threaded and Concave Shouldered Mx-Triflute Tool Pin Profiles on Tensile Properties and Fractural Behaviour of AA 6082-T6 Weldments during Friction Stir Welding	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Vol-9 Issue-4, February 2020, pp-1376-1384	Scopus	ISSN: 2278-3075
5	M. Venkata Ramana, B.V.R. Ravi Kumar, M. Krishna, M. Venkateshwara Rao, and V. S. Kumar	Optimization and Influence of Process Parameters of Dissimilar SS3041 – SS430 Joints Produced by Robotic TIG Welding.	Materials Today Proceeding, International Conference on Recent Advances in Material, Manufacturing & Energy Systems (ICRAMMES)	Volume 23, Part 3, 2020, Pages 479-482	Scopus	ISSN 2214-7853
6	Prashanth Kannan, Amjad Shaik Yogesh Kumar, Naga Sumanth Barareddy	Design Analysis and 3D printing of Non-Pneumatic Tyre	SAE Technical Paper	2019-28-0058	Scopus	ISSN 0148-7191
7	Pavan Bharadwaja Bhaskar Prashanth Kannan Shaik Amjad,	Recent Trends on Drive Train control Strategies and Battery Parameters of a Hybrid Electric Vehicle	SAE Technical Paper	2019-28-0155	Scopus	ISSN 0148-7191

	Sandip Deshmukh					
8	Rathinam. V	Experimental analysis of low heat rejection engine powered by blends of waste plastic oil and diesel	International of journal vehicle structures and systems		Scopus	09753060

### Academic Year: 2018-19

S. No.	Name of Authors	Title of the Paper/ Book Chapter/Books	Title of the Journal /Title of the Conference/Title of Books	Volume and Issue No./ Year of Publication/ Dates of the Conference & Page Nos.	Indexing (SCI/SCOPUS/ WoS/UGC/refereed Journals)	ISBN/ISS N of the Journal/ Proceedings ISSN
1	<b>M. Venkata Ramana</b>	Optimization And Influence of Process Parameters of Dissimilar SS3041-SS430 Joints Produced by Robotic TIG Welding	International Conference on Recent Advances in Materials Manufacturing & Energy systems (ICRAMMES-2019)	3 <sup>rd</sup> & 4 <sup>th</sup> January, 2019	Scopus	NA
2	<b>M. Venkata Ramana</b>	Selection of optimal controllable factors for surface roughness in turning of Titanium alloy using eco-friendly cutting fluids.	International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM)	13 <sup>th</sup> & 14 <sup>th</sup> July 2018 IOP Conf.Series: Materials Science and Engineering 455(2018)012010	Scopus	ISSN 1757-899X
3	Ravi Krishnaiah, Sandeep Kumar, <b>Suresh Devunuri</b> , Jim Alexander, Mahesh Reddy Nimmakayala, Kamal Kishore Vora, Zhen Wu, Subramanian Sumathy	Experimental Investigations on Lean Burn Spark Ignition Engine Using Methanol - Gasoline Blends	SAE Technical Paper	Jan 2019 2018-19	Scopus	ISSN 0148-7191

4	Jim Alexander, E Porpatham, Ravi Krishnaiah, <b>Suresh Devunuri</b> , Pradeep Bhasker Jayapaul, Zhen Wu, Subramanian Sumathy	Experimental Investigations on the Effect of Alcohol Addition on Performance, Emission and Combustion Characteristics of LPG Fuelled Lean Burn Spark Ignition Engine	SAE Technical Paper	Jan 2019 2018-19	Scopus	ISSN 0148-7191
5	Suresh Devunuri, E. Porpatham	Investigations on effects of ethanol blending on performance and combustion characteristics of gasoline fuelled lean burn SI engine	IOP conference series	Vol 265 1 April 2019	Scopus	ISSN: 1755-1315
6	V. Rathinam & T. Kannan	Effects of flux cored arc welding process parameters on ferrite number of solutions annealed duplex stainless steel-clad metals	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	3 December 2018 2018-19 Vol 8, special issue 3	Scopus	ISSN (P): 2249-6890 ISSN (E): 2249-8001
7	S. Balachandran, M. Boopathi	Automatic System for Conditioning and Monitoring the Tyre Pressure	Journal of Advanced Research in Dynamical and Control Systems - JARDCS	10 July 2018 2018-19 Vol 10, 10-special issue 2018.	Scopus	ISSN 1943-023X
8	M. Boopathi	A Critical review of seating discomfort and anthropometric considerations for tractors	International Conference on Mechanical and Building Sciences ICMBBS 2019	27 <sup>th</sup> - 28 <sup>th</sup> March 2018	NA	
9	M. Boopathi	Design of special seat for driver to avoid severity during car frontal collisions	International Conference on Mechanical and Building Sciences ICMBBS 2019	27 <sup>th</sup> - 28 <sup>th</sup> March 2018	NA	

**Academic Year: 2017-18**

<b>S. No.</b>	<b>Name of Authors</b>	<b>Title of the Paper/ Book Chapter/Books</b>	<b>Title of the Journal /Title of the Conference/Title of Books</b>	<b>Volume and Issue No./ Year of Publication/ Dates of the Conference &amp; Page Nos.</b>	<b>Indexing (SCI/SCOPUS/ WoS/UGC/refereed Journals)</b>	<b>ISBN/ISS N of the Journal/ Proceedings</b>
1	<b>Dr. Talluri Srinivasa Rao,</b> Dr. B. Raghava Rao, Dr. V. Balakrishna Murthy	Traverse thermal conductivity of hollow fiber composites.	International Journal of Engineering Technology Science and Research (IJETSR)	May-2018 2017-18 Vol 5, issue 5	Google Scholar	ISSN 2394-3386
2	<b>Dr. Talluri Srinivasa Rao,</b> Dr. B. Raghava Rao, Dr. V. Balakrishna Murthy	Traverse thermal conductivity of hollow fiber composites.	2 <sup>nd</sup> International conference on Innovative Trends in Engineering, Applied Science and Management	May-2018 2017-18	NA	ISBN 978-93-87433-24-3
3	<b>Talluri Srinivasa Rao,</b> Trilochan Mahapatra, Sai Chaitanya Mangavelli	Enhancement of lift-drag characteristics of NACA 0012	7th International Conference on Material Processing and Characterization 2017 ELSEVIER	2018 2017-2018	NA	ISSN 2214-7853
4	G. Navaneeswar Reddy, <b>M. Venkata Ramana</b>	Optimization of Process Parameters in Welding of Dissimilar Steels Using Robot TIG welding	International Journal of Emerging Technology and Advanced Engineering	Vol. 7, Issue 8, 2017, pp.273-278	Scopus	ISSN 2250-2459,
5	K. Madhav, <b>M. Venkata Ramana</b>	Performance evaluation of Eco-friendly cutting fluids in turning of Ti-6Al-4V	International Journal of Emerging Technology and Advanced Engineering, IJETAE	Sep-17 2017-18 Vol 7, issue 9	Scopus	ISSN 2250-2459
6	<b>M. Venkata Ramana G.</b> Krishna Mohan Rao and D. Hanumantha Rao	Multi objective optimization of process parameters in turning of Ti-6Al-4V Alloy	8th International Conference on Materials Processing and Characterization 2018 ELSEVIER	2018 2017-2018	Scopus	ISSN 2214-7853
7	<b>M. Venkata Ramana</b> and Goutham Kumar	Optimization of material removal rate in turning of AISI 321 stainless steel using taguchi methodology	7th International Conference on Material Processing and Characterization ELSEVIER	2017 2017-2018	Scopus	ISSN 2214-7853

8	A. Venkata Vishnu, P. Jmaleswara Kumar and <b>M. VenkataRamana,</b>	Comparison among Dry, Flooded and MQL Conditions in Machining of EN 353 Steel Alloys-An Experimental Investigation”	<u>IOP Conference Series: Materials Science and Engineering</u>	February 2018 Volume 310 011001	Scopus	1757-899X
9	<b>G. V. L. Prasad,</b> A.V.S.S.K.S. Gupta	An Experimental Investigation to study the effect of cerium oxide nano particle additives in karanja biodiesel blends	25th National conference on I.C. Engines and combustion	2017 2017-18	NA	NA
10	<b>Bhaskar, P.B.,</b> Srihari, S	A Study of Emission and Performance Characteristics on HCCI Engine Using Methanol Blend	SAE International Conference on Advances in Design, Materials, Manufacturing and Surface Engineering for Mobility	10-Jul-17  2017-18	Scopus	ISSN 0148-7191
11	A. Satyanarayana, <b>M. Krishna,</b> A. Chandrakanth and R. Pradyumna	Influence of LASER CMM Process Parameters on Dimensional Inspection of Standard Spheres	7th International Conference on Material Processing and Characterization 2017 ELSEVIER	2018 2017-2018	NA	ISSN 2214-7853
12	Mr. Nagaraj Anand Shet, Mr. Prasad U Raikar	Design and Development of Hydraulic Fixture for Basak Cylinder Head Machining	International Advanced Research Journal in Science, Engineering and Technology	October 2017 2017-18 Vol 4, issue 10	NA	ISSN 2393-8021

**Academic Year: 2016-17**

S. No.	Name of Authors	Title of the Paper/ Book Chapter/Books	Title of the Journal /Title of the Conference/Title of Books	Volume and Issue No./ Year of Publication/ Dates of the Conference & Page Nos.	Indexing (SCI/SCOPUS/ WoS/UGC/refereed Journals)	ISBN/ISS N of the Journal/ Proceedings
1	<b>M. Venkata Ramana</b> , G. Sree Sailaja, R. Naresh, S. Sanjeev Reddy	3D Printing of Camshafts	i-Manager's Journal on Mechanical Engineering	Vol 7, Issue 4 2016-17	ICI	ISSN-2230-9055
2	<b>M. Venkata Ramana</b> Sriram P S N and Jayanthi A	Experimental Investigations on TIG Welding of Aluminium 6351 Alloy	Journal of Manufacturing Engineering	2016 2016-17 Vol 11, issue 4	UGC	ISSN 0973 - 6867
3	<b>M. Venkata Ramana</b> Gotham Kumar	Optimization of Surface roughness in turning of AISI 321 Austenitic stainless-steel using Taguchi Technique	6th National Conference on Advances in Mechanical engineering, AIM 2016	2016 2016-17	NA	ISBN 978-93-82570-82-0
4	<b>M. Venkata Ramana</b>	Optimization and Influence of Process Parameters on Surface Roughness in Turning of Titanium Alloy under Different Lubricant Conditions	International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM – 2016)	Volume 4, Issue 8,	Scopus	22147853
5	S. Srihari, S. Thirumalini, <b>K. Prashanth</b>	An Experimental Study on Performance and Emission Characteristics of PCCI DI Engine Fuelled with Diethyl Ether-Biodiesel-Diesel Blend	Renewable Energy	2017 2016-17 Index 134	Scopus/SCI	ISSN 0960-1481
6	Ghadge S.S, <b>Balappa B. Hadagali</b> , Shivasharanayya Hiremath A. Bhagwat	Experimental Investigation of Mechanical properties of Al-8011 Hybrid Composite Reinforced with Fly ash & E-glass	Momentum-17	2016-17	UGC	2321-9637



7	Chetan Kulkarni, M. Akshay Pujar and <b>Balappa Hadagali</b>	Experimental and FEM Analysis on the Mechanical Properties of Al-8011 Alloy Reinforced with Fly-Ash and E-Glass Fibers	Select Proceedings of ICACE 2015 Materials, Energy and Environment Engineering	31/01/2017 2016-2017	NA	ISBN 978-981-10-2675-1
8	MohamadAziz Athani, Neeta S. Mathapati	Experimental Investigation on influence of Mn on tribological properties of as cast Al25Mg2Si-2Cu-4Mn Alloy at room temperature	International Journal of Innovative Research in Technology	Volume 3, Issue 1 June 2016	NA	ISBN 2349-6002