



# 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

### FACULTY PUBLICATIONS

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 <b>T. Srinivasa Rao</b>	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 <b>T. Srinivasa Rao</b> 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 <b>T. Srinivasa Rao</b>	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, <b>M. Venkata Ramana,</b>	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	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Vol-9 Issue-4, February 2020, pp-1376-1384	Scopus	ISSN: 2278-3075

		Welding				
5	<b>M. Venkata Ramana,</b> B.V.R. Ravi Kumar, M. Krishna, M. <b>Venkateswara Rao,</b> 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)			
6	Raju T, <b>Shaik Amjad</b> 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
7	Prashanth Kannan, <b>Amjad Shaik</b> Yogesh Kumar, Naga Sumanth Barareddy	Design Analysis and 3D printing of Non-Pneumatic Tyre	SAE Technical Paper	2019-28-0058	Scopus	ISSN 0148-7191
8	<b>Shaik Amjad</b> 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
9	<b>Shaik Amjad,</b> 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
10	Pavan Bharadwaja Bhaskar Prashanth Kannan <b>Shaik Amjad,</b> Sandip Deshmukh	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
11	Shaik Amjad T. Srinivasa Rao Raju T, <b>Ramu R</b>	Development and Testing of Electric Microcar for Indian cities	SAE Technical Paper	2019-28-0008	Scopus	ISSN 0148-7191
12	<b>Raju T,</b> 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

13	Shaik Amjad T. Srinivasa Rao <b>Raju T,</b> Ramu R	Development and Testing of Electric Microcar for Indian cities	SAE Technical Paper	2019-28-0008	Scopus	ISSN 0148-7191
14	Shaik Amjad, <b>Raju T,</b> 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
15	Shaik Amjad, Raju T, Prashanth Kannan <b>Pavan Bharadwaja</b> <b>Bhaskar</b> T. Srinivasa Rao	Design considerations and Analysis of Electric Microcar for cities	SAE Technical Paper	2019-28-0161	Scopus	ISSN 0148-7191
16	<b>Pavan Bharadwaja</b> Bhaskar Prashanth Kannan Shaik Amjad, Sandip Deshmukh	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
17	<b>Suresh Devunuri,</b> E Porpatham, Z Wu	Investigation on Lean-Burn Spark-Ignition Engine with Methanol/Ethanol—Gasoline Blends	National Conference on IC Engines and Combustion	2019-26 249-260	Scopus	ISSN 2195-4356
17	Shaik Amjad, Raju T, <b>Prashanth Kannan</b> 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
18	<b>Prashanth Kannan,</b> 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
19	Pavan Bharadwaja Bhaskar <b>Prashanth Kannan</b> Shaik Amjad, Sandip Deshmukh	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

**Academic Year: 2018-19**

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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	
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	<b>Suresh Devunuri</b> , 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	<b>V. Rathinam</b> & T. Kannan	Effects of flux cored arc welding process parameters on ferrite number of solution 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	<b>Rathinam .V</b>	Effects of flux cored ARC welding process parameters on ferrite number of solution annealed duplex stainless steel clad metals.	International Conference on future technologies in Mechanical Engineering (ICTIMES)	28 <sup>th</sup> & 29 <sup>th</sup> Dec 2018		
8	S. Balachandran, <b>M. Boopathi</b>	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

9	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		
10	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		
11	<b>S. Balachandran,</b> 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

**Academic Year: 2017-18**

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>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	NA	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. Jamaleswara Kumar and <b>M. Venkata Ramana,</b>	Comparison among Dry, Flooded and MQL Conditions in Machining of EN 353 Steel Alloys- An Experimental Investigation”	Proceeding of International Conference on Advances in Materials and Manufacturing Applications	17-19 August 2017	NA	



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	
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	<b>Mr. Nagaraj Anand Shet,</b> 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	M. Venkata Ramana, 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	M. Venkata Ramana 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		ISSN 0973 - 6867
3	M. Venkata Ramana 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		ISBN 978-93- 82570-82-0

4	M. Venkata Ramana	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)	2016-17		
5	S. Srihari, S. Thirumalini, K. Prashanth	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, Balappa B. Hadagali, Shivasharanayya Hiremath, V 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 Balappa Hadagali	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		ISBN  978-981-10-2675-1
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