

**GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES**  
**Department of Mechanical Engineering**  
**Particulars of Academic & Research Publications**

<b>Name of the faculty</b>	<b>Text Book/ Book chapter /</b>	<b>Title of the Book</b>	<b>Authorship</b>	<b>National/ International</b>	<b>Name of the Publisher</b>	<b>Book ISBN</b>	<b>Year</b>
<b>Dr. K.G. Durga Prasad</b>	Text Book	Engineering Mechanics	Single Author	National	Falcon Publishers Hyderabad	93-60155-31-X	2018
	Text Book	General Mechanical Engineering	Single Author	National	Falcon Publishers Hyderabad	93-80155-41-7	2018
	Monograph	Integrating Product Design and Supply chain Design through QFD	Single Author	International	Lambert Academic Publishing Company, Germany	978-3-659-15430-0	2012
	Customer-focused Product Development through Conjoint HOQ- GRA Hybrid methodology	Industrial Engineering & Management Practices	Single Author	International	International Research Publication House, New Delhi	978-93-84443-56-6	2017
	QFD-Based Ergonomic Design of Drafting Table for Engineering students – A case study	Ergonomic Design of Products and Work systems – 21 <sup>st</sup> Century Perspectives of Asia	First Author	International	Springer	978-981- 10-5456-3	2018

**GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES****Department of Mechanical Engineering****Particulars of Academic & Research Publications**

<b>Name of the faculty</b>	<b>Title of the Journal</b>	<b>Title of the paper</b>	<b>Authorship</b>	<b>National/ International</b>	<b>Name of the Publisher</b>	<b>ISSN</b>	<b>Year</b>	<b>Indexing</b>	<b>UGC List</b>
<b>Dr. K.G. Durga Prasad</b>	International Journal for Quality Research	Prioritization of customer needs in House of quality using Conjoint analysis	First	International	University of Montenegro	1800-6450	2010	SCOPUS	2472
	International Journal of Productivity and Quality Management	Customer-driven product planning using Conjoint analysis and QFD-ANP methodology	Second	International	Inderscience	1746-6474	2011	SCOPUS	23394
	International Journal for Quality Research	Cost engineering with QFD: A mathematical model	First	International	University of Montenegro	1800-6450	2011	SCOPUS	2472
	International Journal for Quality Research	Integrating Factor Analysis and Analytic Hierarchy Process for Library Service Quality	Second	International	University of Montenegro	1800-6450	2011	SCOPUS	2472

**GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES**

**Department of Mechanical Engineering**

**Particulars of Academic & Research Publications**

	Journal of Advances in Management Research	Aligning the competitive strategy with supply chain strategy through QFD	First	International	Emerald Group Publishing Ltd.	0972-7981	2012	SCOPUS	49303
	Journal of Industrial Engineering International	Multi-objective optimization approach for cost management during product design at the conceptual phase	First	International	Springer	17355702	2014	SCOPUS	28622
	Journal of Manufacturing Technology Management	Supply chain design through QFD-based Optimization	First	International	Emerald Group Publishing Ltd.	1741038X	2014	SCOPUS	24415
	Journal of Uncertain Supply Chain Management	Supplier evaluation and selection through DEA-AHP-GRA integrated approach	First	International	Growing Science Publishing Company	2291-6822	2017	SCOPUS	-----
	Materials Today: Proceedings	Mechanical Characterization of Aluminium based metal matrix composite reinforced with Alovera Powder?	Second	International	Elsevier	22147853	2017	SCOPUS	49021

**GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES****Department of Mechanical Engineering  
Particulars of Academic & Research Publications**

	Journal of Composites Science	Experimental Investigation on Mechanical Properties of an Al 6061 Hybrid Metal Matrix Composite'	Second	International	MDPI	2504-477X	2018	DOAJ	-----
	The Journal of Engineering Education	Total Quality Engineering Education: A Model Developed through QFD	First	National	K.E. Society's Rajarambapu Institute Of Technology	0971-5843	2004	ICI	47931
	The Indian Journal of Technical Education	Enhancing Engineering Education through QFD – A Case Study	First	National	ISTE	0971-3034	2007	ICI	20887
	The Journal of Engineering Education	Development of Total Quality Engineering Education model using QFD	First	National	K.E. Society's Rajarambapu Institute of Technology	0971-5843	2008	ICI	47931

**GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES**  
**Department of Mechanical Engineering**  
**Particulars of Academic & Research Publications**

Name of the faculty	Title of the Journal	Title of the paper	Authorship	National/ International	Name of the Publisher	ISSN	Year	Indexing	UGC List
<b>Dr. P.V. Vinay</b>	Procedia Engineering	Effect of Machining Parameters on Tool Wear in Hard Turning of AISI D3 Steel	Third	International	ELSEVIER	1877-7058	2014	SCOPUS	48898
	Journal of Mechanical Science and Technology	Temperature Assessment in Surface Grinding of Tool Steels	First	International	Springer	1976-3824	2015	SCOPUS	24511
	Advances in Manufacturing	Analysis of hard turning process: thermal aspects	Fourth	International	Springer	2095-3127	2015	SCOPUS	11859
	Archives of Thermodynamics	Statistical analysis of entropy generation in longitudinally finned tube heat exchanger with shell side nanofluid by a single-phase approach	Second	International	De Gruyter	2083-6023	2016	SCOPUS	8429
	Journal of Mechanical Engineering Research and Developments	Experimental, Cae Evaluation and Optimization of Hard Turning of AISI D3 Tool Steel	Fourth	International	JMERD	1024-1752	2017	SCOPUS	24509
	Indian Journal of Science and Technology	Investigation on Al6061 Silver Coated Copper Metal Matrix Composite in Pre and Post Heat Treated Condition	Second	National	IJST	0974-5645	2017	SCOPUS	-----

**GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES**

**Department of Mechanical Engineering**

**Particulars of Academic & Research Publications**

	Journal of Thermal Engineering	Experimental Investigation on Al6061 Silver Coated Copper Metal Matrix Composite Circular Extended Surfaces Pre and Post Heat Treatment	Third	International	JTEN	2148-7847	2018	SCOPUS	63078
	Journal of Mechanical Engineering Research and Developments	An Analysis of Cutting Force and Surface Finish in Surface Grinding of Aisi H13 Steel	First	National	JMERD	1024-1752	2018	SCOPUS	24509

Name of the faculty	Title of the Journal	Title of the paper	Authorship	National/International	Name of the Publisher	ISSN	Year	Indexing	UGC List
CH. Hima gireesh	Materials today	Mechanical Characterization of Aluminium Metal matrix Composite Reinforced with Aloe Vera powder	First	International	Elsevier	2214-7853	2017	SCOPUS	49021
	Journal of Advanced Research in Dynamical and Control Systems - JARDCS	Electromagnetic Shielding Effectiveness of Al6061 Hybrid Metal Matrix Composites	First	International	Institute of Advanced Scientific Research	1943-023X	2018	SCOPUS	-----
	International journal of engineering and advanced technology	Experimental Investigation On Mechanical Properties Of Al 6061 Metal Matrix Composite Reinforced With Aole Vera Powder	First	International	IJEAT	2249-8958	2019	SCOPUS	-----

**GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES**  
**Department of Mechanical Engineering**  
**Particulars of Academic & Research Publications**

Name of the faculty	Title of the Journal	Title of the paper	Authorship	National/ International	Name of the Publisher	ISSN	Year	Indexing	UGC List
<b>M.V. Prasad</b>	Journal of Uncertain Supply Chain Management	Supplier Evaluation and Selection Through DEA-AHP- GRA Integrated Approach	First	International	Growing Science Publishing Company	2291-6822	2017	SCOPUS	----
<b>R.Siddhardha</b>	Journal of Thermal Engineering	Response Surface Based Optimization of Ribbed Isosceles Triangular Twisted Tape Heat Exchanger using Entropy Augmentation Generation Number with Al <sub>2</sub> O <sub>3</sub> Nano working fluid	Second	International	JTEN	2148-7847	2019	SCOPUS	----

**GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES**  
**Department of Mechanical Engineering**  
**Particulars of Academic & Research Publications**

<b>PUBLICATION OF FULL PAPERS IN CONFERENCE PROCEEDINGS</b>						
<b>Name of the faculty</b>	<b>Title of the Conference</b>	<b>Place and Organized by</b>	<b>Year</b>	<b>Title of the paper</b>	<b>Authorship</b>	<b>National/ International</b>
<b>Dr. K.G. Durga Prasad</b>	10th Annual International Conference on Industrial Engineering Theory, Applications and Practice	Florida, USA	2005	Evaluation of design requirements for quality engineering education using fuzzy outranking technique – A case study	Third Author	International
	3rd International conference and 24th All India Manufacturing Technology , Design and Research(AIMTDR)	Andhra University, India	2010	Aligning the Competitive strategy with Supply chain strategy through QFD	First Author	International
	International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems (CDAMIES)	NIT, Tiruchirapalli	2018	Experimental Investigation on Tensile and Stress relaxation behaviour of Polyamide 6/Mantmorillonite composite	Second Author	International
	International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems (CDAMIES)	NIT, Tiruchirapalli	2018	Optimization of process parameters in wire EDM of HCHCrD <sub>2</sub> using RSM-based Multi-objective Genetic Algorithm	Second Author	International
<b>Dr. P.V. Vinay</b>	3rd International And 24th AIMTDR	GVP College, India	2010	Reduction of Rejection Using Statistical Quality Control (SQC) in Machined Components	Second	International
	SEDE	USA	2011	Multiple Image Secret Sharing Scheme	Second	International
	6th International and 27th All India Manufacturing, Technology, Design and Research conference (AIMTDR)	College of Engg. Pune India	2016	Optimization of Machining Parameters using Micro NSGA-II for AL6061-Silver Coated Copper Metal Matrix Composite	Second	International

**GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES****Department of Mechanical Engineering  
Particulars of Academic & Research Publications**

<b>Name of the faculty</b>	<b>Title of the Conference</b>	<b>Place and Organized by</b>	<b>Year</b>	<b>Title of the paper</b>	<b>Authorship</b>	<b>National/ International</b>
	International Conference of Materials Processing and Characterization (ICMPC)	GRIET, Hyderabad	2017	Mechanical Characterization of Aluminium Metal matrix Composite Reinforced with Aloe Vera powder	Fourth	International
<b>CH. Hima gireesh</b>	International Conference of Materials Processing and Characterization (ICMPC)	GRIET, Hyderabad	2017	Mechanical Characterization of Aluminium Metal matrix Composite Reinforced with Aloe Vera powder	First	International
<b>N. Sarada Purnima</b>	National Conference on Materials & Manufacturing	GITAM, India	2017	Experimental investigation of Thermal Conductivity on Aluminium 6061 Metal Matrix Composite	First	National
<b>P. Krishna Murthy</b>	International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems (CDAMIES)	NIT, Tiruchirappalli	2018	Experimental Investigation on Tensile and Stress relaxation behaviour of Polyamide 6/ Montmorillonite composite	First	International