

KARUNA KUMAR GONELA

Department : Mechanical Engineering
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ACADEMIC QUALIFICATIONS:

- ❖ PhD(Perusing) : Industrial Engineering.
- ❖ M.Tech : Industrial Engineering& Management
- ❖ P.G Diploma : Material Management
- ❖ B.Tech : Mechanical Engineering

ACADEMIC REWARDS / ACHIEVEMENTS:

- ❖ GATE 2007 Rank—3511 (All India Rank)

PROFESSIONAL EXPERIENCE:

| Designation | Institution | Period |
|---------------------|---|--------------------------|
| Assistant Professor | Gudlavalleru Engineering College, Gudlavalleru | 01-06-2015 to Till Date. |
| Associate Professor | Welfare Institute of Science, Technology & Management | 01-06-2014 to 30-04-2015 |
| Assistant Professor | Welfare Institute of Science, Technology & Management | 09-01-2013 to 31-05-2014 |
| Assistant Professor | KONERU LAKSHMAIAH UNIVERSITY | 21-6-2010 to 12-12-2012. |
| Assistant Professor | Paladugu Parvathi Devi Collage of Engineering and Technology | 14-7-2009 to 20-06-2010. |
| Assistant Professor | Sri Prakash College of Engineering | 10-8 2005 To 31-05 2007 |

PROJECTS GUIDED:

| PhD | Post Graduation | Under Graduation |
|------------|------------------------|-------------------------|
| Nil | Nil | 30 |

SPECIALIZATION: Industrial Engineering & Management

RESEARCH PAPERS / BOOKS:

BOOKS PUBLISHED IN PUBLICATIONS: Nil

PAPERS PUBLISHED IN JOURNALS:

| | | | |
|---------------------|-----------------------|----------|----|
| Journals: | National | : | 00 |
| | International | : | 12 |
| Conferences: | National | : | 03 |
| | International: | | 03 |

Journals:

a) **National** : **NIL**

b) **International**

Karuna Kumar .G, Dr. B. Karuna Kumar, Dr. Kesava Rao V. V. S , titled “An Integrated Method for the Quantity to be ordered to Supplier” *International Journal of Research in Advent Technology, Special Issue, March 2019, E-ISSN: 2321-9637:1-9*

Karuna Kumar .G, M. Srinivasa Rao Dr. Kesava Rao V. V. S , titled “Fuzzy multi objective technique for the quantity to be ordered on supplier” *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN(P): 2249-6890; ISSN(E): 2249-8001 Vol. 9, Issue 1, Feb 2019, 509-522 © TJPRC Pvt. Ltd., SCOPUS Indexed Journal .*

Karuna Kumar .G, M. Srinivasa Rao Dr. Kesava Rao V. V. S , titled “ Fuzzy Optimization Technique in inventory cost minimization” *International Journal of Mechanical Engineering and Technology (IJMET) Volume 9, Issue 13, December 2018, pp. 1527–1536, ISSN Print: 0976-6340 and ISSN Online: 0976-6359, Scopus Indexed.*

Karuna Kumar .G, M. Srinivasa Rao Dr. Kesava Rao V. V. S , titled “Supplier Selection and Order Allocation in Supply Chain” *ScienceDirect ,Available online at www.sciencedirect.com ,Materials Today: Proceedings 5 (2018) 12161–12173.*

Karuna Kumar .G, Dr. Kesava Rao V. V. S , titled “Supplier Selection and Evaluation in Supply Chain Management” *International Journal of Science and Research (IJSR) ISSN: 2319-7064 Index Copernicus Value (2016): 79.57 | Impact Factor (2017): 7.296, Volume 7 Issue 12, December 2018, 1042- 1050.*

G. Karuna Kumar, Ch. Maheswara Rao and V.V.S Kesava Rao, titled “Investigation of effect of speed, feed and depth of cut on multiple responses using vikor analysis” *International Journal*

of Modern Trends in Engineering and Research (IJMTER) Volume 05, Issue 2, 164-168 [February– 2018] ISSN (Online):2349–9745; ISSN (Print):2393-8161.

Karuna Kumar .G , Maheswara Rao Ch Dr. Kesava Rao V. V., titled “ application of WPCA& CQL methods in optimization of multiple responses” ,Materials Today: Proceedings, **Elsevier**, 2018 (Accepted for publication)

Karuna Kumar .G , Dr. Kesava Rao V. V., titled ““*Supplier selection and order allocation in supply chain*”,Materials Today: Proceedings, **Elsevier**, 2018 **Materials Today: Proceedings 5 (2018) 12161–12173**

Karuna Kumar .G , Lagadapati Murali krishna Dr. Kesava Rao V. V. S , titled Biological Extraction of Power From Bio Mass was published in **International Journal of Engineering Science Invention Research & Development**; Vol. III, Issue VIII, February 2017,www.ijesird.com, e-ISSN: 2349-6185 ijesird, Vol. III, Issue VIII, **February 2017/ 452-456.**

Karuna Kumar.G, Dr.Y.V.S.S.S.V.Prasada Rao, titled "A Simulation Study And Analysis Of Job Release Policies In Scheduling A Dynamic Flexible Job Shop Production System" was published in **International Journal of Advanced Engineering Technology**, E-ISSN 0976-3945, Vol.III/ Issue I/January-March, 2012/259-263

G.Karuna Kumar, Asst.Prof, P.Bhanu Krishna, K.V.Vamsi Krishna, M.Kuladeep, titled "The Importance of Transport and Logistics Services in Green Supply Chain Management" was published in **International Journal of Innovative Technology and Exploring Engineering (IJITEE)** ISSN: 2278-3075, Volume-1, Issue-6, November 2012.

G Karuna Kumar, S Hari Krishna Reddy, Shaik Nazeer Ahmed,titled“**Application of Cellular Manufacturing Concepts in an Automobile Workshop**”/ International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 www.ijera.com Vol. 2, Issue 6, November- December 2012, pp.1616-1619

PAPERS PUBLISHED IN CONFERENCES:

a) National

Papers Title:-

- *Analysis of part scheduling and tool sharing decisions in a FMS*
- *Operation addition to reduce rejection in cylinder liners manufacturing*
- *The impact of vehicles in transport and logistics service in GrSCM.*

ISBN:978-93-81354-46-9.

b) International

- ❖ Presented a paper in international conference in advances in material and manufacturing engineering **ICAMME-2018** at Acharya Nagarjuna University
- ❖ Presented a paper in international conference in **ICMMM 2017** at VIT University,
- ❖ Presented a paper in international conference in NIT Calicut.
- ❖ Paper Title :- *“Effect Of Due Date Assignment Methods And Scheduling Rules On The Performance Of A Dynamic Job Shop System”*

LIST OF WORKSHOPS ORGANIZED:

- ❖ Two days **“National Level workshop on R C AIRCRAFT”** has been conducted on 27th and 28th February 2018 in Mechanical Engineering Department at Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh.
- ❖ Two days **“Robozest -2015 on robotics”** workshop has conducted from 15th September and 16th September 2015 at Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh.
- ❖ Two days **“Non-Destructive Testing”** workshop has been conducted during 5th & 6th January 2016 in Mechanical Engineering Department at Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh.
- ❖ Two days **“National Level Quadcopter”** workshop has been conducted on 18th and 19th February 2016 in Mechanical Engineering Department at Gudlavalleru Engineering College, Gudlavalleru, Andhra Pradesh.

LIST OF WORKSHOPS / CONFERENCES /SEMINARS ATTENDED:

- ❖ Attended Two day FDP on **“ADVANCES IN MANUFACTURING”** on 16-17th NOVEMBER, 2018. organized by Gudlavalleru Engineering College Gudlavalleru, Andhra Pradesh
- ❖ Attended Two day National workshop on **“EVOLUTIONARY COMPUTING & BIOLOGICALLY INSPIRED ALGORITHMS USING MATLAB”** on 6th and 7th January 2017 organized by Swarnandhra college of engineering & technology, narsapur.
- ❖ Attended Two day national convention and national seminar on **“INTELLIGENT SYSTEM FOR MORE CONNECTED WPRLD: INTERNET OF THINGS”** on 24-25th October, 2016. organized by the institution of engineers.

- ❖ Participated in one week faculty development program on **“MATLAB APPLICATIONS IN MECHANICAL ENGINEERING”** conducted by Gudlavalleru engineering college, Gudlavalleru on 7th-11th September 2015.
- ❖ Attended two days workshop on **“RECENT TRENDS IN MANUFACTURING TECHNOLOGY”** during 30th-31st July 2015 organized by TEQIP-II in VR Siddhartha engineering college.
- ❖ Attended one week workshop on **“TRAINING PROGRAM ON ANSYS”** during 22nd-27th June 2015 organized by Gudlavalleru engineering college, Gudlavalleru, Andhra Pradesh.
- ❖ Attended one day National workshop on **“COMPETITIVE MANUFACTURING MANAGEMENT”** on February 26, 2009 organized by National Institute of Technology Calicut.
- ❖ Attended Two day National workshop on **“ADVANCED OPTIMAZATION THROUGH INTELLIGENT TECHNIQUES: A RESEARCH PERSPECTIVE”** on 1st&2nd March 2012 organized by VIT University, Vellore.
- ❖ Participated in one day **“Institutional training program on Energy Conservation Opportunities”** conducted by PVP Siddhartha Institute of Technology on 14 September 2004.

CERTIFICATIONS:.

- ❖ Certified in the Course **“Work System Design”** conducted by Indian Institute of Technology, Roorkee, in association with NPTEL.
- ❖ Certified in the Course **“Operations Management”** conducted by Indian Institute of Technology, Roorkee, in association with NPTEL.
- ❖ Certified in the Course **“Operations and supply chain management”** conducted by Indian Institute of Technology, Madras, in association with NPTEL .
- ❖ Certified in the Course **“Metal Cutting and Machine Tools”** conducted by Indian Institute of Technology, Kharagpur, in association with NPTEL

MEMBERSHIP IN PROFESSIONAL BODIES:

- ❖ MIE(I)