RESUME

Dr.K.G.DURGA PRASAD

Professor

Department of Mechanical Engineering (Accredited by NBA)
ENGINEERING & TECHNOLOGY PROGRAM
GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND P.G.COURSES (A)
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: Google Scholar: https://scholar.google.co.in/citations?user=IU3EFWYAAAAJ&hl=en

Born on 7th November, 1970 at Visakhapatnam, Andhra Pradesh, India.

EDUCATIONAL QUALIFICATIONS

B.E. (Mechanical Engineering).. Andhra University.. 1994

M.E. (Industrial Engineering) [Full- time admission through GATE] ... Andhra University.. 2004

Ph.D. (Mechanical Engineering).. Andhra University.. 2011

WORK EXPERIENCE

(a) Teaching experience: 25 years

- **Associate Lecturer** at Chaitanya Polytechnic, Kakinada (June, 1999-March,2001)
- **Lecturer** at Godavari Institute of Engg. & Technology, Rajahmundry (March,2001-Sep,2001)
- **Assistant Professor** at Chaitanya Engineering College, Visakhapatnam(Sep.2003-June 2005)
- **Associate Professor** at Chaitanya Engineering College, Visakhapatnam(July,2005-May 2007)
- **Subject Matter Expert** at Cramster e-Learning Services Pvt. Ltd, Vizag (May2007-May2008)
- **Associate Professor** at Al-Ameer College of Engg.&IT,Vizag (June 2008-May,2010)
- **Associate Professor** at Wellfare Institute of Science Technology & Management, Visakhapatnam (July,2010 to June,2012)
- **Professor** at Wellfare Institute of Science Technology & Management, Visakhapatnam (July,2012 to May,2013)
- **Associate Professor** at Engineering & Technology Program, Gayatri Vidya Parishad College for Degree and P.G.Courses, Visakhapatnam (June 2013-May2018)
- **Professor** at Engineering & Technology Program, Gayatri Vidya Parishad College for Degree and P.G.Courses, Visakhapatnam (June,2018-Todate) [**Ratified by Andhra University** as **Professor on 17.7.2019**]

Courses Taught (At U.G. Level): Engineering Mechanics, Basic Thermodynamics, Thermal Engineering, Advanced Thermodynamics, Fluid Mechanics, Hydraulic Machinery and Systems, Heat Transfer, Mechanics of Solids, Industrial Engineering & Management, O.R

(b) Industry experience: 02 years

- **Junior Engineer** (Maintenance) at Sri Chakra Cements Ltd. Karampudi, Guntur District (Feb. 1996-Feb.1998)

AWARDS / HONOURS / APPRECIATIONS

2018 - Certificate of Appreciation and adjudged by the Management of Gayatri Vidya Parishad College for Degree and P.G.Courses (A) as **Best Teacher** for the academic year 2017-2018.

2022 - The **Institution Prize**, **Gold Medal** (Donated by Col G N Bajpai) from Institution of Engineers India (IEI) at 37th Indian Engineering Congress, Chennai on 16.12.2022 for the best paper published in IEI Scopus indexed journal (Springer publications) in the academic year 2021 – 2022

PROJECTS SANCTIONED

DST-NIMAT Project 2015-2016 for conducting Entrepreneurship Awareness Camp (EAC)

Sanctioned Amount : Rs. 20,000.

Sanctioned Agency: National Science & Technology Entrepreneurship Development Board (NSTEDB); **Department of Science and Technology (DST)**, Govt. of India, New Delhi.

Co-ordinator : **Dr. K.G.Durga Prasad**

Status of the project : Completed in 2016.

MEMBERSHIPS IN PROFESSIONAL BODIES

Life Member – Institution of Engineers (India), Kolkata.
Charted Engineer − Institution of Engineers (India), Kolkata.

ADMINISTRATIVE AND OTHER RESPONSIBILITIES

- Head – Department of Mechanical Engineering, G.V.P Engineering and Technology Program, from June,2013 to Nov. 2019 & from Nov.2020 to till date.
- Chairman – Board of Studies, Department of Mechanical Engineering, G.V.P Engineering and Technology Program, from Nov.2020 to till date.

- Member – Board of Studies (Mechanical Engineering), Andhra University College of Engineering , Andhra University, from Aug., 2022 to till date.
- Member – Department Academic Committee (DAC) , Department of Mechanical Engineering, G.V.P Engineering and Technology Program, 2018
- Chairman – Department Academic Committee (DAC) , Department of Mechanical Engineering, G.V.P Engineering and Technology Program, 2021 to till date.
- Institution Innovation Ambassador (IPR & Technology Transfer) – Institution Innovation Council, G.V. P Engineering and Technology Program, Jan.2020 to Sep.2021
- Institute Coordinator – Implementation of NISP (National Innovation and Startup Policy), G.V. P Engineering and Technology Program from October, 2022 to till date.
- Chief superintendent – To conduct B.Tech / M.Tech examinations – 2021

CONFERENCES / WORKSHOPS / SEMINARS ORGANISED

1. Three day **Entrepreneurship Awareness Camp (EAC)**, Department of Mechanical Engineering, School of Engineering, Gayatri Vidya Parishad College for Degree & P.G.Courses, Visakhapatnam in association with National Science & Technology Entrepreneurship Development Board (NSTEDB); **Department of Science and Technology (DST)**, Govt. of India, New Delhi, 18-2-2016 to 20-2-2016.
2. Three day National Workshop on "Computational Methodologies in Mechanical Engineering", Department of Mechanical Engineering, School of Engineering, Gayatri Vidya Parishad College for Degree & P.G.Courses, Visakhapatnam, 09-3-2017 to 11-3-2017.
3. Five day online Faculty Development Program on Alternate Fuels and Emissions - Present Scenario, Department of Mechanical Engineering, Engineering & Technology Program, Gayatri Vidya Parishad College for Degree & P.G.Courses, Visakhapatnam, 27-7-2020 to 31-7-2020
4. A webinar on "3D Printing : Ideas to Real Products", Department of Mechanical Engineering, Engineering & Technology Program, Gayatri Vidya Parishad College for Degree & P.G.Courses, Visakhapatnam on 21-12-2021
5. An Impact Lecture Session on " Overview about Intellectual Property Rights – Filing and Prosecution of Patents in India" Department of Mechanical Engineering , Engineering & Technology Program, Gayatri Vidya Parishad College for Degree & P.G.Courses, Visakhapatnam **sponsored by MoE's Innovation Cell (MIC), AICTE**, Govt. of India, New Delhi on 02-5-2022.

SESSIONS CHAIRED

1. Chaired a session of Two day International Conference on "Recent Innovations in Engineering, Science, Humanities and Management" held at GVP College for Degree & P.G.Courses, Visakhapatnam during Aug. 11-12, 2016.

2. Chaired a session of One day National Conference on "Recent trends in Manufacturing" held at A.U. College of Engineering (A), Andhra University, Visakhapatnam on 29-03-2018.

RESOURCE PERSON TO DELIVER LECTURES AT WORKSHOPS/SEMINARS

1. One of the Resource persons to deliver a lecture to the participants of **National Workshop on "Computational Methodologies in Mechanical Engineering"**, organized by the Department of Mechanical Engineering, School of Engineering, GVP College for Degree &P.G.Courses (A), Visakhapatnam held during March, 9-11, 2017.
2. Resource person to deliver a lecture on 'Intellectual Property Rights and Technology Transfer' to the undergraduate students of Engineering in **Webinar on Awareness on Intellectual Property Rights and Technology Transfer**, organized by Institution Innovation Council, GVP Engineering and Technology Program under the guidance of MHRD Innovation Cell, held on 28-7-2020

SHORT TERM COURSES / WORKSHOPS ATTENDED

1. Participated in **Entrepreneurship Awareness Camp** at Palakoderu, West Godavari Dist. from 30-10-92 to 31-10-92 sponsored by **APCOST** and organized by S.R.K.R. Engineering College, Bhimavaram.
2. Participated in **Quality Improvement Programme** at Hyderabad from 10-7-2000 to 14-7-2000 which was organized by **Technical Teachers' Training Institute (TTTI).**
3. Participated in AICTE sponsored work shop on **Optimization Methods for Engineering Design by Dr. S.S. Rao**, Chairman, Dept. of Mechanical Engg., University of Miami, Florida, USA from 5-7-2004 to 10-7-2004 organized by GITAM at Visakhapatnam.
4. Participated in a **short term course** under Continuing Education Programme on **Total Quality Management in Service Organizations** conducted by the **Indian Institute of Technology (IIT), Kharagpur** during March 22-26, 2007.
5. Participated in Awareness programme on **Product Life cycle Management**, conducted by The Institution of Engineers (India), Visakhapatnam Local Centre held at Visakhapatnam, India, 22nd January, 2012.
6. Participated in Two day **National Workshop** on **Advances in Manufacturing Processes (AMP)** conducted by the Department of Mechanical Engineering, University College of Engineering, **JNTU, Vizianagaram,** held on 28-2-2014 & 1-3-2014.
7. Participated in One day **Workshop** on **Lean Manufacturing**, conducted by The Institution of Engineers (India), Visakhapatnam Local Centre held at Visakhapatnam, India, 16th March, 2014.
8. Participated in One day **National workshop** on **Quality Measures in Technical Education** conducted by the Internal Quality Assurance Cell (IQAC), Gayatri Vidya Parishad College of Engineering (A), Visakhapatnam, held on 18-3-2017.
9. Participated in One day W**orkshop** on **Essential Engineering Mechanics with Simplified Integrated Methods of Solutions** conducted by the Department of Mechanical Engineering, Gayatri Vidya Parishad College of Engineering (A), Visakhapatnam**,** held on 14-12-2018.

10. Participated in a **short term course** under Continuing Education Programme on **Composite material** conducted by the **Indian Institute of Technology (IIT), Kharagpur** during December 21-28, 2018.
11. Participated in **IIC Innovation Ambassador Training Program** organized by MHRD's Innovation Cell, Govt. of India and hosted by MLR Institute of Technology, Hyderabad during February, 06-07, 2020.
12. Participated in Five days **Faculty Development Program** on **Multi-objective optimization for Mechanical Engineering Applications** organized by the Department of Mechanical Engineering, QIS College of Engineering and Technology(A) , Ongole during June, 08-12, 2020.
13. Participated in One week Virtual workshop on **Role of Innovations in Teaching and Research** organized by Dadi Institute of Engineering and Technology in association with Institutions' Innovation Council & CSI Visakhapatnam chapter during August, 20-26, 2020.
14. Participated in the **AICTE Sponsored one – week QIP Short Term Course** under Continuing Education Programme on **Introduction to Human Factors Engineering and Advanced Cognitive Systems Design (Cognitive Ergonomics / Cognitive Systems Engineering)** conducted by the **Indian Institute of Technology(IIT), Bombay** during 26-12-2020 to 02-1-2021.
15. Participated in Five days National level online **Faculty Development Program on Innovation, Incubation, Startup & Research challenges in India** organized by the Department of Mechanical Engineering, SRM Institute of Science and Technology, Chennai in association with the Institution of Engineers (India) during June 28 - July 02 , 2021.
16. Participated in **IIC Innovation Ambassador Training (Advanced level)** conducted by **MoE's Innovation Cell & AICTE** during the period from 30-06-2021 to 30-07-2021.
17. Participated in Five days National level online **Faculty Development Program** on **Emerging trends in Automotive and Energy systems** organized by the Department of Mechanical Engineering, Sri Vidyanikethan Engineering College (A) , Tirupathi during August 23-27, 2021.

SEMINARS/CONFERENCES ATTENDED

1. Participated and awarded **First** for displayed presentation and expression in the **District Science Fair** at M.V.D.M. High School, Visakhapatnam from 06-01-1986 to 08-01-1986 organized by the Department of Education & State Council of Educational Research and Training, Andhra Pradesh.
2. Participated in **3rd International Conference and 24th All India Manufacturing Technology, Design and Research (AIMTDR)** held at Andhra University, Visakhapatnam, India, during 13-15, December, 2010.
3. Participated in **International Congress on Productivity, Quality, Reliability, Optimization and Modeling**, held at New Delhi, India, during 7-8, February, 2011.
4. Participated in Twenty Seventh National Convention of Chemical Engineers on **Bio-Fuels towards Energy Security and Environment Protection,** conducted by The Institution of

Engineers (India), Visakhapatnam Local Centre held at Visakhapatnam, India, during 30.9.2011 to 1.10.2011.

5. Participated in One day National seminar on **Recent Developments in Multi-Objective Optimization Techniques in the Field of Engineering** conducted by the Department of Mechanical Engineering, Raghu Engineering College, Visakhapatnam**,** held on 8-5-2014 & 9-5-2014.
6. Participated in International Conference on **Management of Ergonomic design, Industrial safety and Healthcare systems (MESH))** held at **IIT, Kharagpur**, India, during 20-23, December, 2016.
7. Participated in One day National Seminar on **Materials and Manufacturing** conducted by the Department of Mechanical Engineering, Andhra University College of Engineering (A), Visakhapatnam**,** held on 23-3-2017.
8. Participated in International conference on **Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems (CDAMIES*)*** organized by the Department of Production Engineering, National Institute of Technology, Tiruchirapalli, during18-20, January, 2018.
9. Participated in National conference on **Future India: Science &Technology, Special Symposium on Contributions of Life Sciences and Biodiversity for Human Welfare** organized jointly by the Indian Science Congress Association Tirupati Chapter & Gayatri Vidya Parishad College for Degree & P.G.Courses (A), Visakhapatnam, during 30.9.2018 – 01.10.2018.
10. Participated in Online International conference on **Advances in Mechanical Engineering , Industrial Informatics and Management (AMEIIM-2022**) organized by the Department of Mechanical Engineering, National Institute of Technology, Raipur during 25-26, Feb., 2022.

PUBLICATION OF BOOKS

1. **K.G.Durga Prasad**, A Text book of **Engineering Mechanics**, Falcon Publishers, Hyderabad (2018),ISBN: 93-60155-31-X
2. **K.G.Durga Prasad**, **General Mechanical Engineering**, Falcon Publishers, Hyderabad (2018), ISBN: 93-80155-41-7
3. **K.G.Durga Prasad**, **Integrating Product Design and Supply Chain Design through QFD,** Lambert Academic Publishing Company, Germany (2012), ISBN: 978-3-659-15430-0.

PUBLICATION OF CHAPTER (S) IN EDITED BOOKS

1. **K.G. Durga Prasad** (2017), **'Customer- focused Product Development through Conjoint HOQ-GRA Hybrid methodology',** Chapter 13, pp.247-267, ***Industrial Engineering & Management Practices (International Edition)***, IRPH, New Delhi. ISBN: 978-93-84443-56-6.

2. **K.G.Durga Prasad**, M.V.Prasad, Ch.HimaGireesh and V.V.V.N.K.Chaitanya (2018): **'QFD-based conceptual design of ergonomic drafting table for engineering students: A Case Study'**, Chapter 12, pp. 139-153, ***Ergonomic Design of Products and Work Systems: 21st Century Perspectives of Asia***, Managing the Asian Century, **Springer**, Singapore. ISBN: 978-981-10-5456
3. **K.G.Durga Prasad**, K.D.S.Sravani and B.L.Manasa (2019): **'Kano-HOQ-GRA Hybrid Methodology for Customer – Driven Product Development'**, Chapter 5, pp. 120-139, ***Optimizing Current Strategies and Applications in Industrial Engineering***, **IGI Global**, USA. ISBN: 978-152-258-223-6; DOI: 10.4018/978-1-5225-8223-6.ch005
4. **K.G.Durga Prasad**, B.L.Manasa, P.Krishna Murthy and K.D.S.Sravani (2020): '**QFD-Based TOPSIS Methodology for Material selection**', Chapter 8, pp. 169-193, ***Handbook of Research on Developments and Trends in Industrial and Materials Engineering***, **IGI Global** USA.ISBN: 978-179-981-831-1; DOI: 10.4018/978-1-7998-1831-1.ch008
5. Gireesh, Ch, KoonaRamji , **K.G.Durga Prasad** and BudumuruSrinu (2021): '**Study of Mechanical Properties and EMI Shielding Behaviour of Al6061 Hybrid Metal Matrix Composites**', Chapter 35, pp. 894-911,***In Management Association, I. (Ed.), Research Anthology on Reliability and Safety in Aviation Systems, Spacecraft, and Air Transport***, **IGI Global** USA.ISBN: 978-179-981-831-1; DOI: 10.4018/978-1-7998-5357-2.ch035

PUBLICATION OF PAPERS IN INTERNATIONAL JOURNALS

(a) Publications in SCIE /ESCI/SCOPUS indexed journals:

1. **K.G.Durga Prasad**, K.VenkataSubbaiah, K.Narayana Rao and C.V.R.S.Sastry (2010), 'Prioritization of customer needs in House of quality using Conjoint analysis', ***International Journal for Quality Research***, Vol.4, No.2, pp.145-153. (**ESCI;SCOPUS) [2023 IF: 1.2]**
2. K.VenkataSubbaiah, **K.G.Durga Prasad** and K.Narayana Rao (2011), 'Customer-driven product planning using Conjoint analysis and QFD-ANP methodology', ***International Journal of Productivity and Quality Management***, Vol. 7, No.3, pp.374-394. (Inderscience) **(SCOPUS)**
3. **K.G.Durga Prasad**, K.VenkataSubbaiah and K.Narayana Rao (2011), 'Cost engineering with QFD: A mathematical model', ***International Journal for Quality Research***, Vol. 5, No.1, pp. 33-37.(**ESCI;SCOPUS) [2023 IF: 1.2]**

4. K.VenkataSubbaiah, **K.G.Durga Prasad,** M.U.Bharathi and K.S.S. Rao (2011), 'Integrating Factor Analysis and Analytic Hierarchy Process for Library Service Quality', ***International Journal for Quality Research***, Vol.5, No.3, pp.505- 515.**(ESCI;SCOPUS) [2023 IF: 1.2]**
5. **K.G.Durga Prasad**, K.VenkataSubbaiah and K.Narayana Rao (2012): 'Aligning the competitive strategy with supply chain strategy through QFD', ***Journal of Advances in Management Research*****,** Vol.9, No.2, pp.189-198. [**Emerald**](**ESCI;SCOPUS**) **[2022 IF: 3.1]**
6. **K.G.Durga Prasad**, K.VenkataSubbaiah and K.Narayana Rao (2014): 'Multi-objective optimization approach for cost management during product design at the conceptual phase', ***Journal of Industrial Engineering International,***Vol.10, No.1, pp. 1-12.[**Springer]**(**SCOPUS**)
7. **K.G.Durga Prasad**, K.VenkataSubbaiah and K.Narayana Rao (2014): 'Supply chain design through QFD-based Optimization', ***Journal of Manufacturing Technology Management*** **,** Vol.25, No.5, pp.712-733 [**Emerald**] (**SCIE;SCOPUS**)**[2023 IF: 8.4]**
8. **K.G.Durga Prasad**, K.VenkataSubbaiah and M.V.Prasad (2017): 'Supplier evaluation and selection through DEA-AHP-GRA integrated approach ', ***Journal of Uncertain Supply Chain Management*****,** Vol.5, No.4, pp. 369-382. (**SCOPUS**).
9. Ch.HimaGireesh, **K.G.Durga Prasad**, K.Ramji, and P.V.Vinay (2018): 'Mechanical Characterization of Aluminium based metal matrix composite reinforced with Alovera Powder', ***Materials Today*****:** ***Proceedings***,Vol.5, No.2, pp. 3289-3297 (**Elsevier**) (**SCOPUS**)
10. Ch.HimaGireesh, **K.G.Durga Prasad** and K.Ramji(2018): 'Experimental Investigation on Mechanical Properties of an Al 6061 Hybrid Metal Matrix Composite', ***Journal of Composites Science***, Vol.2, No.3, pp.1-10. (**MDPI Publication**) (**ESCI; SCOPUS**) **[2023 IF : 3.3]**
11. Ch.HimaGireesh, K.Ramji, **K.G.Durga Prasad** and B.Srinu (2019): 'Study of Mechanical Properties and EMI Shielding Behaviour of Al6061 Hybrid Metal Matrix Composites, ***International Journal of Surface Engineering and Interdisciplinary Materials Science,*** Vol.7, No.2, pp. 48-63 (IGI Global) (**SCOPUS**)
12. **K.G.Durga Prasad**, K.VenkataSubbaiah and P.Krishna Murthy (2021): 'Mechanical characterization and selection of polyamide nano composites subjected to salt water environment in marine applications, ***Journal of the Institution of Engineers (India): Series C***, Vol.102, No.3, pp.723-729. (**Springer**) (**SCOPUS**)

13. **K.G.Durga Prasad**, P.Krishna Murthy, Ch.HimaGireesh, M.V.Prasad and K.D.S.Srvani (2021): 'Prioritization of E-Waste management strategies towards Green computing using AHP-QFD approach, ***Proceedings on Engineering Sciences***, Vol.3, No., pp. 33-40. (**SCOPUS**)
14. Ch.HimaGireesh, K.Ramji, **K.G.Durga Prasad** and V.HariKiran(2022): 'Multi-criteria decision model for selection of a material suitable to lightning strike protection in aerospace applications, ***Materials Today: Proceedings*** , Vol. 59, pp. 725 - 733 (**Elsevier**)(**SCOPUS**)
15. **K.G.Durga Prasad**, P.Krishna Murthy, Ch.HimaGireesh and K.D.S.Sravani (2022): 'Conceptual Design of Ergonomic Food truck Using QFD-GRA-DSM Hybrid Methodology - A Case study, ***International Journal of Industrial and Systems Engineering***, Vol.40, No.2, pp.255-275 (**Inderscience**) (**SCOPUS**)
16. **K.G.Durga Prasad**, P.Krishna Murthy, K.D.S.Srvani, B.L.Manasa and D.Leela Kumari (2023): 'Ergonomics intervention in an innovative product development under user-centered product design approach - A Case study, ***International Journal of Human factors and Ergonomics***, (**Inderscience**) (**SCOPUS**) [In print]

(b) Publications in Non-Scopus indexed journals:

1. **K.G.Durga Prasad,** K.VenkataSubbaiah an**d** G.Padmavathi (2012), 'Application of Six sigma methodology in an Engineering Educational Institution', ***International Journal of Emerging Sciences***, Vol.2, No.2, pp.222-237. [ISSN:2222-4254**]**
2. **K.G.Durga Prasad**, M.V.Prasad, A.Chakradhara Rao and P.V.S.C.Manjusha (2013): 'DEA-based Taguchi method for Optimization of CNC End milling Process parameters', ***International Journal of Emerging Trends in Engineering and Development*****,** Vol.3, No.4, pp.202-211. [ISSN 2249-6149**]**
3. **K.G.Durga Prasad**, K.VenkataSubbaiah, G.VenuGopala Rao and G.Padmavathi (2014): 'Simulated Annealing Algorithm for U-Shaped Line Balancing Problem', ***International Journal of Advanced Research in Science and Technology*** **,** Vol.3, No.1,pp. 1-7 [ISSN 2319-1783]
4. G.Samkeerth,K.VenkataSubbaiah and **K.G.Durga Prasad**, (2015): 'Analysis of key factors affecting labour productivity in steel manufacturing company', ***International Journal of Engineering and Management Research*****,** Vol.5, No.5, pp.123-128. [ISSN: 2394-6962]
5. **K.G.Durga Prasad**, M.V.Prasad and K.VenkataSubbaiah (2015): 'Optimization of process parameters in CNC End milling of Glass – fibre reinforced plastic', ***International Journal for Research in Emerging Science and Technology,*** Vol.2, No.6, pp.60-67. [E-ISSN: 2349-7610]

6. **K.G.Durga Prasad**, M.V.Prasad and B.LakshmiManasa (2016): 'Application of Six sigma approach for improving steel quality - A case study', ***International Journal of Scientific Development and Research*****,** Vol.1, No.6, pp. 256-261.[ISSN:2455-2631]
7. **K.G.Durga Prasad**, M.V.Prasad, S.V.V.Bhaskara Rao and C.S.Patro (2016): 'Supplier selection through AHP-VIKOR integrated methodology', ***SSRG International Journal of Industrial Engineering***, Vol.3, No.5, pp.1-6.
8. **K.G.Durga Prasad**, K.VenkataSubbaiah, Ch.HimaGireesh and U.Koushik (2017): 'Evaluation of conceptual product design solutions using House of quality – TOPSIS Integrated methodology, ***SSRG International Journal of Mechanical Engineering***, Special issue, pp.206-212.
9. **K.G.Durga Prasad**, M.V.Prasad, R.Sravan Kumar and V.S.D.Prasad (2017): 'Kano-based VIKOR decision model for supplier selection – A case study, ***SSRG International Journal of Mechanical Engineering***, Special issue, pp.206-212.
10. M.V.Prasad, **K.G.Durga Prasad**, K.Pavan Kumar, R.Siddhardha and K.Sanatha (2018): 'Optimization of Process Parameters in Wire EDM of $HCHCrD_2$ using RSM-based Multi-objective Genetic Algorithm', ***Journal of Mechatronics and Automation***,Vol.5, No.1, pp. 6-10
11. Rao, C.M, Kumar, K.C., Subbaiah, K.V. and **K.G.Durga Prasad** (2022): 'Experimental Study on Influence of Coated and Un-Coated HSS Twisted Drills over Multi-Responses of SS304', ***Journal of Advancements in Material Engineering***,Vol.7, No.1, pp. 1-11

PUBLICATION OF PAPERS IN INDIAN CITATION INDEXED NATIONAL JOURNALS

1. **K.G.Durga Prasad**, K.Narayana Rao, G.Padmavathi and K.VenkataSubbaiah (2004): 'Total Quality Engineering Education: A Model Developed through QFD', ***The Journal of Engineering Education,*** XVII, No. 4, 39-44. [ISSN:0971-5843] (**ICI**)
2. **K.G. Durga Prasad**, K. VenkataSubbaiah, K. Narayana Rao and G.Padmavathi (2007): 'Enhancing Engineering Education through QFD – A Case Study', ***The Indian Journal of Technical Education*****,** Vol.30, No.3, pp. 91-98.[ISSN:0971-3034] (**ICI**)
3. **K.G. Durga Prasad**, K. Narayana Rao, G.Padmavathi and K. VenkataSubbaiah (2008), 'Development of Total Quality Engineering Education model using QFD', ***The Journal of Engineering Education***, Vol.XXI, No.4, 1-6. [ISSN:0971-5843] (**ICI**)

4. **K.G. Durga Prasad**,K. VenkataSubbaiah, Ch. VenuGopala Rao and K. Narayana Rao (2012), 'Supplier Evaluation through Data Envelopment Analysis', ***Journal of Supply chain Management Systems*****,** Vol.1, No.2, pp.1-11. [ISSN:2277-1387](**ICI**)

PUBLICATION OF FULL PAPERS IN PROCEEDINGS OF CONFERENCES

1. K. Venkata Subbaiah,K. Narayana Rao and **K.G. Durga Prasad**, (2005): ' Evaluation of design requirements for quality engineering education using fuzzy outranking technique – a case study' ***Proceedings of 10thAnnaul International Conference on Industrial Engineering Theory, Applications and Practice***. Clear Water Florida, USA, December, pp.710-717.
2. **K.G.Durga Prasad**, K.Venkata Subbaiah and K.Narayana Rao (2010): 'Aligning the competitive strategy with supply chain strategy through QFD', ***Proceedings of 3rdInternational Conference and 24th All India Manufacturing Technology, Design and Research (AIMTDR)*** held at Andhra University, Visakhapatnam, India , during 13-15, December , Vol.2, pp.815-820.
3. P.Krishna Murthy,**K.G.Durga Prasad**, and M.V. TimmaRaju (2018): 'Experimental investigation on Tensile and Stress relaxation behaviour of Polyamide 6 / Montmorillonite composite' ***Proceedings of the International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems (CDAMIES)*** organized by the Department of Production Engineering, National Institute of Technology, Tiruchirapalli, during 18-20, January.
4. M.V.Prasad, **K.G.Durga Prasad**, K.Pavan Kumar, R. Siddhardha and K.Sanatha (2018): 'Optimization of Process parameters in Wire EDM of $HCHCrD_2$ using RSM-Based Multi-Objective Genetic Algorithm' ***Proceedings of the International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems (CDAMIES)*** organized by the Department of Production Engineering, National Institute of Technology, Tiruchirapalli, during 18-20, January.
5. N. PrabhuKishorea, TajShaik, Ch. Himagireesh, **K. G. Durga Prasad**, and N. Alekhya (2020): 'Cryogenic heat treatment process for D_2 steel & M_2 steel', **International Conference on Multifunctional Materials (ICMM-2019), AIP Conference Proceedings** 2269, 030082.[**Scopus**]
6. **K. G. Durga Prasad**, P.Krishna Murthy, M.V.Prasad, Taj and P.Mahesh (2022): 'Material Selection in Conceptual Design of a Product through QFD-Entropy-TOPSIS Approach', **International Conference on Advances in Mechanical Engineering , Industrial Informatics and Management (AMEIIM-2022), AIP Conference Proceedings** [**Scopus**] (In print)

PUBLICATION OF ABSTRACTS IN PROCEEDINGS OF CONFERENCES

1. K. VenkataSubbaiah, **K.G. Durga Prasad**, B. Satyanarayana and K. Narayana Rao, (2003): 'Application of QFD for improving engineering education – A study', presented at ***International conference on Quality, Reliability and Information Technology: Trends and Future Directions***, New Delhi, India.
2. K.Narayana Rao **, K.G.Durga Prasad** and K.VenkataSubbaiah (2010), 'Design of Supply chain with dynamic periodic review inventory policy in fuzzy environment, Presented at ***International***

Conference on Statistics, Probability, Operations Research, Computer Science and Allied Areas in Conjunction with VII IISA and XXIX ISPS Annual Conventions, 4-8, January , held at Andhra University, Visakhapatnam, India.

3. **K.G.Durga Prasad**, K.VenkataSubbaiah and K.Narayana Rao (2011), 'Design of Supply chain through Quality Function Deployment', Presented at ***International Congress on Productivity, Quality, Reliability, Optimization and Modelling,*** 7-8, February, New Delhi, India.
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5. K.VenkataSubbaiah, CH.Suresh and **K.G.DurgaPrasad** (2013), 'Prioritization of Engineering Characteristics of a product using HOQ-ANP Approach', presented at ***Indian Technology Congress***, conducted by NIMHANS Convention Centre, 24-25, July, Bangalore, India.
6. K.VenkataSubbaiah, **K.G.Durga Prasad** and N.Sameera , 'Kano-GRA-HOQ Approach for Prioritizing the Supplier Selection Attributes – A Case Study (2013), presented at ***Twenty Eight Indian Engineering Congress***, conducted by The Institution of Engineers (India), Tamilnadu State Centre, 20-22, December, Chennai, India.
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8. **K.G.Durga Prasad**, M.V.Prasad, Ch.HimaGireesh andV.V.V.N.K.Chaitanya(2016): 'QFD-based conceptual design of Ergonomic drafting table for engineering students', ***Proceedings of the International Conference on Management of Ergonomic design, Industrial safety and Healthcare systems (MESH)*** held at IIT, Kharagpur, during 20-23, December.
9. **K.G.Durga Prasad**, K.VenkataSubbaiah, G.V.Gourav and Ch.HimaGireesh (2017): 'QFD-frame work for enhancing quality in engineering educational institutions, ***Proceedings of the International Symposium on Social Business and Sustainable Development (SBSD)*** held at Andhra University, Visakhapatnam, during 5-7, January.
10. **K.G.Durga Prasad**, A.Rama Krishna, B.V.A.Naidu, Ch.HimaGireesh and D.S.Kumar (2017): 'Bridging the employability skill gap through robust convergence of industry and academia, ***Proceedings of the International Symposium on Social Business and Sustainable Development (SBSD)*** held at Andhra University, Visakhapatnam, during 5-7, January.
11. **K.G.Durga Prasad**, K.VenkataSubbaiah, Ch.HimaGireesh and U.Koushik (2017): 'Evaluation of conceptual product design solutions using House of quality – TOPSIS Integrated methodology, ***Proceedings of the National Conference on Recent Advances in Mechanical Engineering (RAME)*** held at Andhra University, Visakhapatnam, during 10-11, March.
12. **K.G.Durga Prasad**, M.V.Prasad, R.Sravan Kumar andV.S.D.Prasad (2017): 'Kano-based VIKOR decision model for supplier selection – A case study, ***Proceedings of the National Conference on Recent Advances in Mechanical Engineering (RAME)*** held at Andhra University, Visakhapatnam, during 10-11, March.
13. **K.G.Durga Prasad**, K.PadmaPriya, G.Manjusha and K.D.S.Sravani (2018): Prioritization of E-Waste Management Strategies towards Green Computing using QFD Approach, ***Proceedings of the National conference on Future India : Science & Technology , Special Symposium on Contributions of Life Sciences and Biodiversity for Human Welfare*** organized jointly by the

Indian Science Congress Association Tirupati Chapter & Gayatri Vidya Parishad College for Degree & P.G.Courses (A), Visakhapatnam, during 30.9.2018 – 01.10.2018

PRESENTATION OF PAPERS IN CONFERENCES

1. **K.G.Durga Prasad**, K.Venkata Subbaiah and K.Narayana Rao (2010): 'Aligning the competitive strategy with supply chain strategy through QFD', presented at ***3rdInternational Conference and 24th All India Manufacturing Technology, Design and Research (AIMTDR)*** organized by Andhra University, Visakhapatnam, India,during13-15, December,2010.
2. **K.G.Durga Prasad**, K.Venkata Subbaiah and K.Narayana Rao., 'Design of Supply chain through QFD'(2011), Presented at ***International Congress on Productivity, Quality, Reliability, Optimization and Modelling* (*ICPQRM)*** organized by Indian Statistical Institute , Quality Council of India and Defense Research and Development Organization, New Delhi, India, during 7-8, February, 2011
3. **K.G.Durga Prasad**, M.V.Prasad, Ch.HimaGireesh and V.V.V.N.K.Chaitanya(2016): 'QFD-based conceptual design of Ergonomic drafting table for engineering students', presented at ***International Conference on Management of Ergonomic design, Industrial Safety and Healthcare systems (MESH)*** held at **IIT, Kharagpur**, during 20-23, December.
4. P.KrishnaMurthy, **K.G.Durga Prasad**, and M.V. TimmaRaju (2018): 'Experimental investigation on Tensile and Stress relaxation behaviour of Polyamide 6 / Montmorillonite composite', presented at ***International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering Systems (CDAMIES)*** organized by the Department of Production Engineering, National Institute of Technology, Tiruchirapalli, India during18-20, January.
5. **K.G.Durga Prasad**, K.PadmaPriya, G.Manjusha and K.D.S.Sravani (2018): Prioritization of E -Waste Management Strategies towards Green Computing using QFD Approach, presented at ***National conference on Future India : Science & Technology , Special Symposium on Contributions of Life Sciences and Biodiversity for Human Welfare*** organized jointly by the Indian Science Congress Association Tirupati Chapter & Gayatri Vidya Parishad College for Degree &P.G.Courses (A), Visakhapatnam, during 30.9.2018 – 01.10.2018.
6. Ch.HimaGireesh, K.Ramji, **K.G.Durga Prasad** and V.HariKiran (2022): 'Multi-criteria decision model for selection of a material suitable to lightning strike protection in aerospace applications, presented at ***3rd International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2021)*** organized by the Department of Mechanical Engineering, D Y Patil College of Engineering and Technology, Kolhapur, Maharastra, India during November, 25-26,2021
7. **K.G.Durga Prasad**, P.Krishna Murthy, M.V.Prasad, Taj and P.Mahesh (2022): 'Material Selection in Conceptual design of a Product through QFD- Entropy-TOPSIS Integrated Approach, ***International Virtual Conference on Advances in Mechanical Engineering, Industrial Informatics and Management*** **(AMEIIM -2022)** , organized by the Department of Mechanical Engineering, National Institute of Technology, Raipur, India during 25-26, Feb.,2022.

GUIDING RESEARCH SCHOLARS

Four research scholars registered under my guidance in the Feb., 2021 in accordance with the proceedings of the Principal, Andhra University College of Engineering, Andhra University, AUCE (A)/EG (6) /Guideship /2020-21 dated 19-11-2020.

EDITORIAL MEMBER / REVIEWER OF INTERNATIONAL JOURNALS

1. **Adhoc Reviewer** of *International Journal of Quality Control and Standards in Science and Engineering*, IGI Global.
2. **Editorial Board Member** of *International Journal of Latest Technology in Engineering, Management & Applied Science*, India.
3. **Reviewer** for the ***Journal of Thermal Engineering***, publishing by Yildiz Technical University, Turkey.

CITATION INDICES – Google Scholar

Number of citations : **517**
h-Index : **11**
i 10-Index : **12**

B.E/B.Tech/AMIE PROJECT GUIDANCE

1. Application of Six sigma methodology to enhance quality in engineering education-A study – *K .B.Rama Lakshmi, S.Salomi, Y.K.Kumar, P.S.Rao, P.Prabhakar and D.S.Varma,* 2007.
2. Controlling of NO_x Emissions in Automobiles by using Nitrogen Membranes - A study – *K. Veera Raghavulu*, 2007.
3. Performance evaluation of a diesel engine working with CSO-diesel blends – *I.Manoj Krishna, M.Yellaji, M.Santhosh Kumar and G.Siva Kumar,* 2009.
4. Trouble shooting in machining of Rudder Housing Bearing bush onboard ship-A case study – *Satynarayana Sahu*, 2010.
5. Study of marine boiler construction and tube failure analysis – *Abhishek Kumar Singh*, 2012.
6. Water jet flow meter across high pressure turbine blades and nozzle box blades in marine gas turbines – *S.S.Chouhan*, 2012.
7. Shipboard impressed current cathodic protection system – *Ankur Kumar Gupta*, 2012
8. Supplier selection through AHP-Grey Relational Analysis – *N.Devi, B.Balaji, O.N.Varma and Ch. Syam Kumar*, 2013.
9. GRA-based Taguchi approach for optimization of turning parameters – *V.Manjusha, Santhoshi Lakshmi and G.V.N.Varma*, 2013.
10. Conceptual design of a product through HOQ-based optimization – *P.Divaker* , *M. Swapna*, *K. Satyanand* , 2013.
11. A study on preventing the leakage of crude oil in crude oil transfer pump – *M. Sravan Kumar*, 2014.

12. Fault Diagnosis in Fan and Blowers using Vibration Signature analysis – *S.D.Ganesh*, 2014.
13. HOQ-AHP-TOPSIS Integrated Methodology for Conceptual design of a product – *V.RaviTeja, V.Chrinjeevi, N. Mani Babu and D.Sravan Kumar*, 2015.
14. Supplier selection through AHP-VIKOR Integrated Methodology – *S.V.V.Bhaskara Rao , T.Yamini Lakshmi, G.Daya Sagar and Ch.S.Krishna Teja*, 2015.
15. Development of HOQ-GRA Integrated approach for prioritizing the design requirements of a product – *G.Srikanth ,U.Koushik, S.Jagadeep, P.Rohit and K.Sravan Kumar*, 2017.
16. Multi-objective optimization of WEDM process parameters for machining H13 steel using GRA – *B.P.Raj, P.D.Prasad, M.Shravistha, K.P. Teja, U. Sridevi, V.E.Babu,* 2019.

OTHER INFORMATION

- Subject expert for setting of U.G and P.G. , pre-PhD question papers for various universities and reputed autonomous institutions.
- Prepared and uploaded a video lecture on *Technology Transfer and Development* in YouTube https://www.youtube.com/watch?v = TrxOEOW4Q6I
- Authoring Course content on 'Engineering Mechanics' for undergraduate students of Engineering (under draft preparation stage)
- Coordinator for GVP In-House GATE Classes – 2023 for Mechanical Engineering students

(Dr.K.G.Durga Prasad)