

Dr.G.Gopala Krishna

International Journals:

1. **G.Gopala Krishna** and T.Mahender, “Improving Friction Stir Weldments Joints Efficiency of Aluminium AA6351 Alloy by Using Coating Technique”, Materials Today: Proceedings, 2019, Vol.19, pp. 798-802.
2. Katla.Praveen Kumar, Sridhara Reddy and **G.Gopala Krishna**, “Fabrication of Hybrid Race Car Body Panel with Glass-Fiber Composite Material”, International Journal of Scientific Development and Research (IJS DR)”, July 2018, Vol. 3, Issue 7, pp. 261-267.
3. K.Praveen Kumar, M.Manzoor Hussain, Sridhara Reddy, **G.Gopala Krishna**, “An Overview on Thermal and Mechanical Properties of Natural Fiber Reinforced Hybrid Composites”, International Journal of Current Engineering and Scientific Research (IJCESR), 2018, Vol. 5 Issue 1, pp. 41-46.
4. Srinivas K and **Gopala Krishna G**, “Prediction of Models for WEDM through Response Surface Methodology (RSM)”, Journal of Manufacturing Engineering, September 2017, Vol. 12, Issue 3, pp. 160-165.
5. Anvesh Kumar B, **Gopala Krishna G** and Mahender T, “Optimization of Milling Process Parameters of Mild Steel”, Journal of Advancement in Machines, Mat Journals 2017, Vol.2, Issue 2, pp. 1-6
6. B.Suryam and **G.Gopala Krishna**, “Analysis of Residual Stresses in a Dissimilar Metal Welded Joint”, Anveshana’s International Journal of Research in Engineering and Applied Sciences, Feb 2017, Vol. 2, Issue 2, pp. 282-291.
7. Srilekha Aurulla, **G.Gopala Krishna**, “Modelling and Analysis of Steering Lever Link of a Tractor”, International Journal of Innovative Research in Science, Engineering and Technology, November 2016, Vol. 5, Issue 11, pp. 19801-19808.
8. **G.Gopala Krishna**, P.Ram Reddy and M.Manzoor Hussain, “Influence of Copper and Brass on Tensile Properties of Aluminium Alloy AA6351 Friction Stir Welds”, International Journal of Mechatronics and Manufacturing Technology, 2016, Vol. 1, Issue 1, pp. 9-21.
9. **G.Gopala Krishna**, P.Ram Reddy and M.Manzoor Hussain, “The Effect of Copper and Brass on Friction Stir Welded Dissimilar Aluminium Alloy When Used as in Thin Sheet Form”, Journal of Mechanical Engineering, Transaction of Mechanical Engineering Division, The Institution of Engineers, Bangladesh, December 2015, Vol. 45, No.2, pp.118-122.
10. Ashok Babu. J and **G.Gopala Krishna**, “Experimental Investigation of Friction Stir Welding of Aluminium AA6061 Alloy Joint Testing”, IOSR (International Organization of Scientific Research) Journal of Mechanical and Civil Engineering (IOSR-JMCE), Nov-Dec 2015, Vol. 12, issue 6, pp. 01-05.
11. **G.Gopala Krishna**, P.Ram Reddy and M.Manzoor Hussain, “Effect of tool tilt angle on Aluminum 2014 Friction Stir Welds”, Global Journal of Researches in Engineering , 2014, Vol. 14, issue. 7, version 1.0., pp.60-70.
12. **G.Gopala Krishna**, P.Ram Reddy and M.Manzoor Hussain, “Hardness and Tensile Behavior of Friction Stir Welded Aluminium AA6351 Alloy ”, Journal of Mechanical

- Engineering, Transaction of Mechanical Engineering Division, The Institution of Engineers, Bangladesh, June 2014, Vol. 44, No.1, pp.23-26.
13. **G.Gopala Krishna**, P.Ram Reddy and M.Manzoor Hussain, “Mechanical Behaviour of Friction Stir Welding Joints of Aluminium Alloy of AA6351 with AA6351 and AA6351 with AA5083 ”, International Journal of Engineering Trends and Technology (IJETT), Apr. 2014, Vol. 10, no. 4, pp. 168 - 172.
 14. L.Sudheer, **G.Gopala Krishna** and Dr.C.Udaya Kiran, “Modelling and FEM analysis of Single Arm Robot”, International Journal of Innovative Technologies, Nov. 2013, Vol. 01, issue 06, pp. 557-561.
 15. K.Jithendar Reddy, M.Manzoor Hussain, Sujith Sathyan and **G.Gopala Krishna**, “Analysis of Interfacial Microstructure of Post Weld Heat Treated Dissimilar Metal Weld of Type 316LN/C-Steel Joint”, IOSR (International Organization of Scientific Research) Journal of Mechanical and Civil Engineering (IOSR-JMCE), Sep – Oct. 2013, Vol. 8, issue 2, pp. 01-06.
 16. **G.Gopala Krishna**, P.Ram Reddy and M.Manzoor Hussain, “Experimental Investigation of Tensile Strength and Deflection Characteristics of Friction Stir Welded Aluminium AA 6351 Alloy Joint”, IOSR (International Organization of Scientific Research) Journal of Mechanical and Civil Engineering (IOSR-JMCE), Jul. – Aug. 2013, Vol. 7, issue 5, pp. 01-06.

National Journals:

1. **G.Gopala Krishna**, “Experimental and Numerical Investigation of Friction Stir Welded Aluminium AA6351 Alloy Tensile Properties”, Indian Welding Journal, July 2019, Vol. 52, No. 3, pp. 57-62.
2. **G.Gopala Krishna**, P.Ram Reddy and M.Manzoor Hussain, “The Effect of Tool Rotation Speed and Copper and Brass Addition in Foil Form on Tensile Properties of Friction Stir Welded Similar and Dissimilar Aluminium Alloy Weldments”, Indian Welding Journal, October’ 2016, Vol. 49, No.4, pp. 61-68.

International Conferences:

1. P.Naveen Kishore, **G.Gopala Krishna**, P.Divakara Rao and V.Srinivasulu, “Torsional Vibration Analysis of Pre-Twisted Cantilever Beam using FEA”, Proceedings of the 2nd International Conference on Advancements in Engineering and Management (ICAEM-2013), pp. 340-344, held at Royal Institute of Technology and Science, Hyderabad, India, during 27th – 28th February 2013.
2. **G.Gopala Krishna**, M.Manzoor Hussain, P.Ram Reddy and K.Linga Murthy, “Experimental Investigation of Friction Stir Welding of Aluminium 1080 Alloy Joint Testing for Aircraft Structures”, Proceedings of the International Conference on Computing, Communications, Systems and Aeronautics (ICCCSA-2012), pp. 299-302, held at Malla Reddy College of Engineering and Technology, Secunderabad, A.P., India, during 30th and 31st March 2012.
3. Sridhara Reddy, A.Siva Kumar, **G.Gopala Krishna** and Dr.Maheshwar Dutta, “The Option of Hydrogen addition with CNG – a feasible achievement for S.I. Engines”, Proceedings of International Conference on Emerging Research and Advances in

Mechanical Engineering (ERA – 2009), pp. 24-28, held at Velammal Engineering College, Chennai, India during 19th – 21st March 2009.

National Conferences:

1. **G.Gopala Krishna**, P.Ram Reddy and Manzoor Hussain, “The Effect of Offset Tools and Rotational Speed of the Tool on Tensile Properties of Friction Stir Welded Aluminum Alloy AA6351 Weldments”, National Conference on Recent Trends in Mechanical Engineering (NCRTME-2018) held at Department of Mechanical Engineering, JNTUH College of Engineering (Autonomous), Hyderabad, Telangana, India, during 27th -28th Feb’2018.
2. **G.Gopala Krishna**, P.Ram Reddy and Manzoor Hussain, “Experimental Investigation of Friction Stir Welding of Aluminium AA 6061 Alloy Joints Testing”, Proceedings of the National Conference on Recent Advances in Mechanical Engineering and their Impact on Indian Industries (RAMEIII-2012), pp. 264-268, held at Poojya Doddappa Appa College of Engineering, Gulbarga, Karnataka, India, during 20th – 22nd September 2012.
3. **G.Gopala Krishna**, Dr.P.Ram Reddy, Dr.M.Manzoor Hussain and P.Moulali, “Experimental Investigation Friction Stir Welded Aluminium AA 6351 Alloy Joint for Hardness and Tensile Strength Properties”, Proceedings of the National Conference on Excellence in New Technologies in Mechanical Engineering (ENTIME), Pp. 170-175, organised by Mall Reddy Engineering College for Women and Department of Mechanical Engineering, Malla Reddy Engineering College, Secunderabad, A.P., India, on 12th and 13th December 2009.
4. **G.Gopala Krishna**, Dr.P.Ram Reddy, Dr.M.Manzoor Hussain and Sridhara Reddy, “Evaluation of Parameters of Friction Stir Welding for Aluminium AA 6061 Alloy”, Proceedings of the National Conference on Excellence in New Technologies in Mechanical Engineering (ENTIME), Pp. 176-180, organised by Mall Reddy Engineering College for Women and Department of Mechanical Engineering, Malla Reddy Engineering College, Secunderabad, A.P., India, on 12th and 13th December 2009.
5. **Gopala Krishna.G**, Manzoor.H.M. and Ram Reddy.P, “Critical Review of Fatigue Properties of Friction Stir Welds of Aluminium Alloys”, Proceedings of National Conference on State of the Art Technologies in Mechanical Engineering (NCSAME-2009) held at JNTUH, College of Engineering, Hyderabad, India, during 20th and 21st Aug 2009.
6. **G.Gopala Krishna**, Sridhara Reddy and Dr.C.Venkata Ramana Reddy, “A Millimeter, Micro level Gas Turbine for Power Generation”, Proceedings of National Conference on Evolving Trends in Mechanical Engineering (ETME-2009), Pp. 214-221, held at Oxford College of Engineering, Bangalore, Karnataka, India, during 13th – 14th March 2009.
7. Sridhara Reddy, A.Siva Kumar, **G.Gopala Krishna** and Dr.Maheswar Dutta, “Compressed Natural Gas Direct Injection (CNGDI) – Valve Timing and Ignition Study”, Proceedings of National Conference on Advances in Mechanical Engineering (NCAME 09), pp. 194-198, held at MCT’s Rajiv Gandhi Institute of Technology, Andheri (W), Mumbai, during 15th and 16th January 2009.

Administrative Experience:

- Working as Head of the Department, Mechanical Engineering at T.K.R. College of Engineering & Technology, Hyderabad from 01.07.2019 to till date.
- Worked as Head of Mechanical Engineering Department at J.B. Institute of Engineering & Technology (Autonomous), Hyderabad from 10.04.2017 to 30.11.2017.
- Worked as Officer In-charge for Library at J.B. Institute of Engineering & Technology (Autonomous), Hyderabad from 03.02.2017 to 30.11.2017.

Guest Lecture/Expert Talk:

1. Delivered guest lecture on “Robotics & Its Industrial Applications” held on 20th August 2018 at Mechanical Engineering Department, Kommuri Pratap Reddy Institute of Technology (KPRIT), Hyderabad.
2. Delivered guest lecture on “CAD/CAM” held from 13th to 14th August 2018 at Mechanical Engineering Department, Nishitha College of Engineering & Technology, Hyderabad.
3. Delivered lecture on CAD/CAM/CIM topic for the workshop on “Emerging Trends in CAD/CAM Technologies held on 14th Dec’2016 at Mechanical Engineering Department, Joginapally B.R. Engineering College, Hyderabad.

Appointments:

- Appointed as Member, 3rd Board of Studies in Department of Mechanical Engineering, T.K.R. College of Engineering & Technology (Autonomous), Hyderabad from Jan’ 2019 to till date.
- Acting as Reviewer for The Institution of Engineers (India), Journal C, Kolkatta since 2015 and Multidiscipline Modelling in Materials and Structures by Emerald Publishing since 2019.
- Appointed as Chairman, X Board of Studies in Department of Mechanical Engineering, J.B. Institute of Engineering & Technology (Autonomous), Hyderabad in Aug’ 2017.
- Appointed as Member, IV to IX Board of Studies in Department of Mechanical Engineering, J.B. Institute of Engineering & Technology (Autonomous), Hyderabad from Aug’ 2014 to Dec’ 2016.

Seminars/Workshops/Conferences Organised:

- ◆ Worked as Advisor Committee Member for one-week **Faculty Development Program** on “Pedagogical Training” organised by Department of Mechanical Engineering”. T.K.R. College of Engineering & Technology, Hyderabad during 9th to 13th November 2018.
- ◆ Worked as convener for **Skill Development Program -1** organised by Department of Mechanical Engineering”. T.K.R. College of Engineering & Technology, Hyderabad during 2nd December to 7th December 2019.
- ◆ Worked as coordinator for one-week **Faculty Development Program** on “Design of Experiments using Taguchi Approach” organised by Department of Mechanical

Engineering”. T.K.R. College of Engineering & Technology, Hyderabad during 12th to 17th November 2018.

- ◆ Actively participated as **Organiser** at the **Seminar** on “Skill India Initiative and Entrepreneurship for a successful India” organized by Department of Entrepreneurship Development Cell, J.B. Institute of Engineering and Technology on 30th Sep to 1st Oct 2015.
- ◆ Worked as **Co-Coordinator** for a Two-Day **Workshop** on “Recent Developments in Mechanical Engineering” organised by Department of Mechanical Engineering, Malla Reddy Engineering College held on 12th and 13th February 2011.
- ◆ Worked as **Organizing Member** for **National Conference** on “Excellence in New Technologies in Mechanical Engineering” (ENTIME) organised by Malla Reddy Engineering College for women and Department of Mechanical Engineering, Malla Reddy Engineering College, held on 12th and 13th December 2009.

Seminars/Workshops/Conferences/Training Programs/Refresher Courses/FDP Attended:

1. Participated in the AICTE sponsored two weeks **Faculty Development Program** on “Precision Engineering and Machining Processes” from 14th 27th November 2019 organised by Department of Mechanical Engineering, Anurag Group of Institutions, Hyderabad.
2. Participated one-week **Faculty Development Program** on “Design of Experiments using Taguchi Approach” organised by Department of Mechanical Engineering, T.K.R. College of Engineering & Technology, Hyderabad during 12th to 17th November 2018.
3. Participated one-week **Faculty Development Program** on “Recent Advancements in Cross Engineering” organised by Department of Mechanical Engineering, Vardhaman College of Engineering, Hyderabad during 11th to 16th June 2018.
4. Participated one-week **Faculty Development Program** on “Design of Machine Elements” held at the CMR Institute of Technology, Hyderabad on 7th to 14th February 2018 organised by Department of Mechanical Engineering.
5. Participated Youth Convention on the occasion of Foundation Day Celebrations of the Institute on 10th September 2017 at Vivekananda Institute of Human Excellence, Ramakrishna Math, Hyderabad.
6. Participated Fourth **International Conference** on Transformations in Engineering Education (ICTIEE 2017, Hyderabad) held during January 6-8, 2017 at Vardhaman College of Engineering, Hyderabad, India as a Delegate.
7. Participated in A **Technical Seminar** on Automotive Materials and Surface Engineering held on 23rd December 2016, organised by SAEINDIA-JBIET Collegiate Club, Department of Mechanical Engineering, J.B. Institute of Engineering & Technology, Hyderabad.
8. Participated Wadhvani Foundation & National Entrepreneurship Network’s “NEN Entrepreneurship Educator Program” from 14-16 July 2016 at Aurora’s Business School, Hyderabad.
9. Participated as **Organiser** at the Seminar on “Skill India Initiative and Entrepreneurship for a Successful India” organized by the Department of

- Entrepreneurship Development Cell, J.B. Institute of Engineering and Technology on 30th Sep to 1st Oct 2015.
10. Participated as a **Mentor** in “Intensive Teaching Workshop-III” program, conducted at J.B. Institute of Engineering and Technology, Hyderabad from 1st July to 9th July 2015.
 11. Participated in “A **Refresher Course** on Automobile Engineering” organized and conducted by Departmental of Mechanical Engineering of J.B. Institute of Engineering and Technology, from 10th – 12th February 2015.
 12. Attended One Day **Faculty Development Program** on “Geometric Dimensioning and Tolerancing - Impact of Quality on Product & Processes in Manufacturing” conducted by Department of Mechanical Engineering, J.B. Institute of Engineering and Technology, on 13th December 2013.
 13. Participated Two-day **Workshop** on Design of Experiments, Taguchi Optimisation & Response Surface Methodology Organized by Department of Mechanical Engineering, JNTUH College of Engineering, Hyderabad, during 6th -7th December 2013.
 14. Attended One Day **National Workshop** on “Advanced Trends in IC Engines and Combustion” conducted by Department of Mechanical Engineering, JNTUH College of Engineering, Hyderabad, on 28th February 2013.
 15. Participated Two-day **Faculty Development Program** on “Effective Teaching Methodology” conducted by ISTE AP Section & J.B. Institute of Engineering & Technology, during 19th -20th October 2012.
 16. Participated Two-day **National Seminar** on “Precision Engineering”, jointly organized by Mechanical Engineering Department, JNTUH, College of Engineering, Hyderabad and PRRM Engineering College, Hyderabad on 10th and 11th July 2009.
 17. Participated **Refresher Course** on “Design Aspects of Mechanical & Aeronautical Engineering” sponsored by CMR Educational Society jointly organized by Malla Reddy College of Engineering and Technology and CM Engineering College, Secunderabad from 2nd – 9th July 2009.
 18. Attended the MHRD sponsored short term **Training program** on “Digital Factory” during 25th Aug – 6th Sep 2008, organized by Department of Mechanical Engineering, National Institute of Technology, Warangal.
 19. Participated in “A Two-Day **Refresher Course** in Internal Combustion Engines” on 18th – 19th June 2008, organized by Mechanical Engineering Department, Malla Reddy Engineering College, Secunderabad.