

D KIRAN PRASAD

Designation : Associate Professor
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Academic Qualifications:

- Pursuing Ph.D. (Part time) at Jawaharlal Nehru Technological University Kakinada , Kakinada.
- M.E.(Machine Design) in College of Engineering , Anna University, Chennai with 8.5 CGPA in first class with distinction.
- B.Tech (Mechanical Engineering) in Bapatla Engineering College, Bapatla with 77.4 % in first class with distinction.
- Intermediate from Board of Intermediate Education, Hyderabad with 88.2 % .
- SSC from Board of Secondary Education, Hyderabad with 79%.

Specialization:

- Machine Design

Professional Experience:

Designation	Institution	Period
Associate Professor	Gudlavalleru Engineering College , Gudlavalleru	Dec 2009 to till date
Assistant Professor	Lakireddy Bali Reddy college of Engineering , Mylavaram	June 2006 to Nov 2009
Assistant Professor	Dr Samuel George Institute of Engineering and Technology , Markapur	Jan 2003 to May 2006

Projects Guided:

PhD	Post Graduation	Under Graduation
Nil	04	30

Papers Published In Journals:

Journals:	International :	09
	National :	Nil
Conferences:	International :	02
	National :	03

Journals:

- ❖ “Analysis of simple rotor with two cracks”, International Journal For Research and Development in Technology, Vol. 11, Issue 6, June 2019, pp. 273 – 277
- ❖ “Determination of stress intensity factors for semi-elliptical crack of two cracked rotor”, International Journal for Science and Advance Research In Technology, Vol. 5, Issue 6, June 2019, pp. 610 - 614
- ❖ “Theoretical investigation of stresses induced at blade mounting locations in steam turbine rotor system”, International Journal of Applied Mechanics and Engineering, Vol. 24, No. 2, 2019, pp. 295-307
- ❖ “Improved Weight Functions for Stress Intensity Factors of Semi Elliptical Crack in Steam Turbine Rotor System”, Applied Engineering Letters , Vol. 4, No.1 , ISSN 2466-4847, pp 24- 32, April 2019
- ❖ “Universal Weight Function Approach to Determine Stress Intensity Factors at Blade Mounting Locations in Steam Turbine Rotor System”, *International Review of Mechanical Engineering (I.R.E.M.E.)*, Vol. 12, Issue 6 , ISSN 1970 - 8734, pp 548-555, June 2018
- ❖ “Vibration Analysis of Simple Rotor with Transverse Crack”, International Journal of Latest Technology in Engineering, Management & Applied Science, Volume VII, Issue VI, pp 93-100, June 2018
- ❖ “Weight Function Approach for Semi Elliptical Crack at Blade Mounting Locations in Steam Turbine Rotor System”, Periodica Polytechnica Mechanical Engineering, 62(3), pp. 203-208, March 2018

- ❖ “Experimental and Finite Element Model Analysis of an un-cracked and cracked Cantilever beam”, International Journal of Advanced Research in Science, Engineering and Technology, Vol. 3, Issue 1, ISSN: 2350-0328, pp 1266-1274, January 2016
- ❖ “Finite Element Analysis of An Edge Cracked Plate Subjected to Mixed Mode Loading (I/II) and Combined Tension-Bending – A Comparative Study”, International Journal of Control Theory and Applications,42(9), pp. 15-20, 2016

Papers Published In Conferences/Workshops:

- ❖ A paper presented on “Charaterization of Al 6061 alloy reinforcement with Al₂O₃ ,SiC , TiO₂ & Fly ash using Stir Casting ” in international conference on Recent Advances in Materials , Manufacturing & Energy Systesm at VR Siddhardha Engineering College, Vijayawada on 3-4 January 2019.
- ❖ A paper presented on “Finite Element Analysis of An Edge Cracked Plate Subjected to Mixed Mode Loading (I/II) and Combined Tension-Bending a comparative study" in the 5th International Conference on Advanced Computing, Engineering & Technology (ICACET 2017) held in The Solitaire Hotel, Bangalore, India on 17th February, 2017.
- ❖ A paper presented on “Fault Diagnosis of a Combustion Ventilation Air Blower Unit Using Condition Monitoring” in national conference on Innovations in Engineering & Technology (NCIET 2013) at Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru on 27th-28th December, 2013.
- ❖ A paper presented on “Condition Monitoring and Fault Diagnosis of a Combustion and Ventilation Air Blower Unit” in national conference on Innovations and Emerging Trends in Mechanical Engineering at Dept. of Mechanical Engineering & Technology, Bangalore on 11th May, 2012
- ❖ A paper presented on “Analysis of Cracked Cantilever Beam Using ANSYS” in national conference on Innovations and Emerging Trends in Mechanical Engineering at Dept. of Mechanical Engineering & Technology, Bangalore on 11th May, 2012

List Of Workshops Organized:

- ❖ Coordinator for AICTE sponsored Two day Seminar on “Applications of Finite Element Methods in Engineering” organized at Gudlavalleru Engineering College , Gudlavalleru during 8-9th July 2011.

- ❖ Coordinator for Two week ISTE workshop conducted by IIT Bombay at Gudlavalleru Engineering College on “ Engineering Mechanics” during 26th Nov to 06th Dec 2013
- ❖ Coordinator for State Level Students’ Technical symposium ‘MECHZEST 09’ organized by Mechanical Engineering Department at LB Reddy College of Engineering in March 2009.
- ❖ Member of organizing committee for 2nd national level students technical symposium ‘LAKSHYA 06’ at LB Reddy College of Engineering in October 2006 .

List Of Workshops /Conferences /Seminars Attended:

- ❖ Attended One week short term training program through ICT mode on “Evaluating Students’ Performance and Designing Question Papers” organized by National Institute of Technical Teachers’ Training and Research, Kolkata during 25-02-2019 to 01-03-2019.
- ❖ Attended two day Faculty training program on “Advances in Manufacturing” organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 16-17th November 2018.
- ❖ Attended The Institution of Engineers (India) sponsored one day workshop on “Characterization of Metal Matrix Composites” organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru on 11th August 2018.
- ❖ Attended AICTE – ISTE Sponsored One week Refresher course on “Computational Fluid Dynamics” organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 18-23rd June 2018.
- ❖ Attended two day Faculty training program on “MAT Lab , Simu Link and Related Tool Boxes” organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 8-9th February 2018.
- ❖ Attended one day workshop on “Outcome Based Education” organized by Gudlavalleru Engineering College, Gudlavalleru on 09th Dec 2017.
- ❖ Participated in Refresher course on Mechanics of Fracture conducted at Indian Institute of Technology Madras , Chennai during 19-23rd December 2016
- ❖ Attended one week faculty training program on “MATLAB Applications in Mechanical Engineering”, organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 7th to 11th September, 2015.

- ❖ Attended One week workshop on “Training Program on ANSYS”, organized by the Departments of Mechanical and Civil Engineering, Gudlavalleru Engineering College, Gudlavalleru during 22nd to 27th June, 2015.
- ❖ Participated in the three day workshop on “Advances in Computer Simulation of Solidification Processes” organized by National Institute of Technology , Warangal during 18 - 20th December, 2014.
- ❖ Participated in a two day workshop on “Recent Trends in Manufacturing Processes”, organized by Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 27th – 28th June, 2014
- ❖ Attended two week workshop on “Fluid Mechanics” organized in association with ISTE & IIT Kharagpur during 20.05.2014 to 30.05.2014
- ❖ Participated in the CEP course on Coordinators’ Workshop on Engineering Mechanics conducted by IIT Bombay at Mumbai during 16-20th September 2013
- ❖ Participated in one day workshop on “Thermodynamics Solution and Practice using MATLAB” organized Gudlavalleru Engineering College, on 18th February 2013.
- ❖ Participated in one day workshop on “DFX – Product Design Excellence” organized by Gudlavalleru Engineering College , Gudlavalleru on 17th September 2012
- ❖ Participated in two day workshop on “ Best practices in Production” organized by Gudlavalleru Engineering College , Gudlavalleru during 20-21st July 2012
- ❖ Participated in Two day national workshop on “ Advanced Optimization through Intelligent Techniques : A Research Perspective” Conducted by VIT University during 1-2nd March 2012
- ❖ Participated in three day faculty development programme on “EngineeringDrawing” organized by Gudlavalleru Engineering College , Gudlavalleru during 22-24th November 2011
- ❖ Participated in Two day National Seminar on “Finite Element Formulations for Nano Structures” organized by VR Sidhartha Engineering College, Vijayawada during 19-20th August 2011
- ❖ Participated in National Seminar on “Applications of Finite Element Methods in Engineering” organized by Gudlavalleru Engineering College , Gudlavalleru during 8-9th July 2011.

- ❖ Participated in One day Workshop on "Current Trends in Biofuels" organized by Gudlavalleru Engineering College , Gudlavalleru on 23rd October 2010.
- ❖ Participated in One day seminar on Mechanical Design Solutions of CAD/CAM/CAE conducted by Rolta India Ltd. Hyderabad in association with Institute for Electronics Governance at G.Pulla Reddy Engineering College, Kurnool on 12th February 2008
- ❖ Participated in one day seminar on CAE Centric approach to product design organized by G.V.P.College of Engineering , Vishakapatnam on 25th August 2008.
- ❖ Participated in Two day workshop on “Robotics & Automation” organized by Gudlavalleru Engineering College , Gudlavalleru during 7-8th February 2007.
- ❖ Participated in Training programme on Teaching Methodology conducted by National Institute of Technical Teacher Training & Research , Chennai at Lakireddy Bali Reddy College of Engineering , Mylavaram during 4-9th December 2006.
- ❖ Participated in short term training program on Finite Element Solutions for Machine Dynamic and Heat Transfer Problems conducted at Lakireddy Bali Reddy College of Engineering , Mylavaram during 26-30th June 2006.
- ❖ Participated in two day workshop on Trends in CNC Machining organized by JNTU College of Engineering , Anantapur during 19-20th August 2005.

Subjects Handled:

- ❖ Engineering Graphics , Engineering Mechanics , Kinematics of Machines, Dynamics of Machines, Mechanics of Solids, Machine Drawing, Design of Machine Members ,Finite Element Method , Mechanical Vibrations, Analysis and Synthesis of Mechanisms.

Grants Fetched:

- ❖ Received grant of Rs.1.0 lakh from AICTE , New Delhi for organizing two day national seminar on Applications of Finite Element Methods in Engineering” at Gudlavalleru Engineering College , Gudlavalleru.

Academic Rewards / Achievements: Nil

Membership In Professional Bodies:

- ❖ Life Member if The Indian Society for Technical Education (LM 50995)
- ❖ Member of The Institution of Engineers (India) (M-1637074)