

Profile



KRISHNA KISHORE KAKARLA, M.Tech. (Ph.D)

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OBJECTIVE

To be a part of Educational Institution who believe in imparting knowledge through theoretical as well as practical ways in accordance to its students. I would give my best in its correspondence with the management in achieving its academic targets and add to the organizational credits.

EXPERIENCEDETAILS:

Teaching Experience: 19.8 yrs.

Industrial Experience: 1½ year. (BHEL-1yr. & CIPET-6months)

Funded Research Project : 01

No. Of International Journals Published: 9

Patent : 01

ACADEMICDETAILS:

| Degree | Branch & specialization | Year of passing | Class/ grade | Institute studied | University studied |
|---------|-------------------------------------|-----------------|--------------|----------------------------------|----------------------------------|
| Ph. D | - | Pursuing | - | Andhra University, Visakhapatnam | Andhra University, Visakhapatnam |
| M. Tech | Mechanical (Production Engineering) | 2005 | Distinction | V.R.S.E.C, Vijayawada | Acharya Nagarjuna University |
| B.Tech | Mechanical Engineering | 2002 | First | R.V.R&J.C.C.E, Guntur | Acharya Nagarjuna University |

TEACHING EXPERIENCE:

| S.No. | Name of Institution & Address | Position | Duration |
|-------|---|---------------------|---|
| 1 | Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, A.P | Assistant Professor | Nov 11 th 2019 to Till date |
| 2 | Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad | Assistant Professor | June 26 th 2018 to May 31 st , 2019 |
| 3 | Narasaraopeta Engineering College, Narasaraopet, A.P | Associate Professor | June 1 st 2015 to March 5 th 2018 |
| 4 | Ramachandra College Of Engineering, Vatluru, Eluru, A.P | Associate Professor | 3 rd Nov 2014 to May 2015. |
| 5 | Gandhi Institute of Engineering & Technology, Gunupur, Rayagada, Odisha. | Associate Professor | 10 th Feb. 2014 to 3 rd Nov. 2014. |
| 6 | University College of Engineering & Technology, Acharya Nagarjuna University, Guntur, A.P | Assistant Professor | 11 th Aug 2010 to 10 th Feb. 2014 |
| 7 | R.V.R.&J.C. College of Engineering, Chowdavaram, Guntur, A.P | Assistant Professor | 9 th June to 2005 to Aug. 11 th 2010. |

FUNDED RESEARCH PROJECT:

| S No | Name of the funding Agency | Name of the Scheme | Project Title | Year of sanction of grant | Duration | Amount Sanctioned | Status (Completed /Ongoing) |
|------|--|--|--|---|---------------------------|-------------------|------------------------------|
| 1. | RINL Visakhapatnam Steel Plant, Visakhapatnam | Industry – Institute Interaction | Utilization of Industrial waste of RINLB last Furnace slag for foundry applications | 2011 File No. MOU/ AU – VSP/1/ 2011 | 1 year (2011- 2012) | Rs.9.0 lakhs | Project Completed |

RESEARCH PUBLICATION IN INTENATIONAL JOURNALS:

| S.No | Title of Paper | Name of Journal in which Published | Date |
|-------------|---|--|-----------------|
| 1 | Preparation and Characterization of Al-Cu Composite by Using Stir Casting Technique | International Journal of Scientific Research & Engineering Trends | Jan-Feb-2025 |
| 2 | Preparation and Characterization Aluminium Bronze Alloy | Proceedings of ICEMEIA2K24 | April,2024 |
| 3 | Production And Characterization Of Ternary Alloy (Al-Cu-Mg) With Different Weight Fractons | Proceedings of ICEMEIA2K24 | April,2024 |
| 4 | Prediction and experimental investigation on Tribological behavior of Aluminium matrix composites reinforced with Sic, Titanium dioxide and Zinc chloride Using stir casting technique. | Proceedings in Springer Nature | July 2021 |
| 5 | Experimental and analytical studies on natural frequencies of Thin bonded metallic plates | Materials Today: Proceedings doi.org/10.1016/j.matpr.2020.12.366 (Elsevier Ltd.) | Feb 2021 |
| 6 | Tribological studies of Al-based metal matrix composite reinforced with Al-20Cu-10Mg ternary alloy using Taguchi technique | International Journal of Materials Engineering Innovation (Inderscience Publishers) | Jan2018 |
| 7 | Preparation and characterization of ternary alloy(Al-20Cu-10Mg) Reinforced composite | Materials Today: Proceedings 5(2018)3719-3728(Elsevier Ltd.) | March2017 |
| 8 | Production, Characterization & Analysis of AA2024, Reinforced with Ternary Alloy | International Journal of Scientific& Engineering Research, Volume 7, Issue4 | April-2016 |
| 9 | Studies on Deformation Behaviour of A356/Al-20Cu-10Mg Particulate Composite Metallic Materials | International Journal of Engineering Research & Technology , ISSN: 2278-0181, Vol.1Issue10. | December-2012 |

LIST OF ATTENDED INTERNATIONAL CONFERENCES:

| S.No | Title of Paper | Name &Address | Date |
|-------------|---|--|---------------------------|
| 1 | Preparation and Characterization Aluminium Bronze Alloy | Proceedings of ICEMEIA2K24 | April,2024 |
| 2 | Production And Characterization Of Ternary Alloy (Al-Cu-Mg) With Different Weight Fractions | Proceedings of ICEMEIA2K24 | April,2024 |
| 3 | Prediction and experimental investigation on Tribological behavior of Aluminium matrix composites reinforced with Sic, Titanium dioxide and Zinc chloride using stir casting technique. | 2 nd InternationalCongress,CAMSE 2021,Advances in Mechanical and Systems Engineering, NIT, Jalandhar, Punjab | July17-19,2021 |
| 4 | Experimental and analytical studies on natural frequencies of Thin bonded metallic plates | Materials Today: Proceedings doi.org/10.1016/j.matpr.2020.12.366 (Elsevier Ltd.) | Feb 2021 |
| 5 | Preparation and characterization of ternary alloy (Al-20Cu-10Mg) reinforced aluminium composite | 7 th Internationalconferenceon Materials processing and characterization, ICMPC 2017 GRIET, Hyderabad | 17-19March 2017 |
| 6 | Dry sliding wear studies on Al based metal matrix composite reinforced with ternary alloy Al-20Cu-10Mg | 6 th International & 27 th All India Manufacturing Technology, Design and Research Conference AIMTDR-2016, College of Engineering, Pune, Maharashtra | 16-18Dec.,2016 |
| 7 | Computational Analysis To Maximize The Heat Transfer Rate Of Double Tube Helical Coil Heat Exchanger | Proceedings of International Conference on Recent Trends in Mechanical Engineering-2K15(NECICRTME-2K15) | 20th – 21st November,2015 |
| 8 | Experimental Investigation On Diesel Engine Using Linseed Oil | Proceedings of International Conference on Recent Trends in Mechanical Engineering-2K15(NECICRTME-2K15) | 20th – 21st November,2015 |
| 9 | Investigation of Copper cored Aluminium & its alloys by Direct Extrusion | 4 th International Conferenceon Advances in Mechanical Engineering ICAME, Sardar Vallabhai National institute of Technology(SVNIT), Surat | 23-25Sep,2010 |

LIST OF ATTENDED NATIONAL CONFERENCES:

| S.No | Title of Paper | Name &Address | Date |
|-------------|--|--|-----------------------------|
| 1. | Structure Property relations of Al Cu binary alloys & Al Cu Mg ternary rich alloys | National Conference on Advances in Materials And Product Design AMPD 10 at Sardar Vallabhai National institute of Technology(SVNIT),Surat | 22-23 Nov, 2010 |
| 2. | Smart Materials and its Importance in Present Scenario | Proceedings of National Conference on Recent Advances in Mechanical Engineering, RVR&JC, Guntur, A.P | 7-8 th July,2011 |
| 3. | Fabrication and characterization of A356/Cu Mg Al ₂ Composites | National Conference on Advances in Materials in Engineering(MATERIAUX2K12) Department of Metallurgical Engineering , Andhra University , Visakhapatnam | 24-25thFeb,2012 |
| 4. | Fabrication and characterization of AA2024/Al 20%Cu 10%Mg Composites | National Conference on Advances in Materials in Engineering(MATERIAUX2K12) Department of Metallurgical Engineering , Andhra University , Visakhapatnam | 24-25thFeb,2012 |
| 5. | Studies on Machinability properties of Aluminium Composites | National Conference on Advances in Materials in Engineering(MATERIAUX2K12) Department of Metallurgical Engineering , Andhra University, Visakhapatnam | 24-25thFeb,2012 |
| 6. | Synthesis and Characterization of Cu Mg Al ₂ Particles Reinforced AA2024 Composites | National Conference on Advances in Materials in Engineering(MATERIAUX2K12) Department of Metallurgical Engineering , Andhra University , Visakhapatnam | 24-25thFeb,2012 |

LIST OF ATTENDED WEBINARS:

| S.No. | Title Of The Webinar | Institute Name &Address | Date |
|--------------|---|---|--|
| 1 | Engineering Drawing Practice for Technocrats | Geethanjali Institute Of Science &Technology Nellore | 16th May 2020 |
| 2 | Research Thrust Areas In Composites | Arasu Engineering College, Tamilnadu | 20 th May,2020 |
| 3 | Machining Studies on Aluminum Composites | Cmr University,Karnataka | 21stMay,2020 |
| 4 | Evolution Of Connected Industries | Narasaropeta Engineering College,A.P | 23rd May2020 |
| 5 | MechanicalAspectsOfHigh VoltageCircuitBreakersAnd Isolators | Cmr University,Karnataka | 25 th May,2020 |
| 6 | InsightsTo Industry4.0 | S.A. Engineering College,Chennai. | 29 th May,2020. |
| 7 | Challenges In Job Interview | K.Ramakrishnan College Of Technology,Chennai. | 2 nd June,2020. |
| 8 | Advanced Material Processing | Narasaropeta Engineering College,A.P | 4thJune 2020. |
| 9 | Robotics Operations And Applications | Cmr University,Karnataka | 7 th June,2020. |
| 10 | Impact Of Covid In EngineeringEducation&Way Forward | Gudlavalleru Engineering College, Gudlavalleru, A.P | 9 th June,2020. |
| 11 | Intellectual Property Rights & Patents - A View | IQAC, Gudlavalleru Engineering College, Gudlavalleru, A.P | 10 th to 12 th August 2020 |

LIST OF ATTENDED ONLINE WORKSHOPS:

| S.No. | Title Of The Workshop | Institute Name &Address | Date |
|-------|------------------------|---------------------------------|----------------------|
| 1 | Additive Manufacturing | S.A.Engineering College,Chennai | 15th &16th May,2020. |

LIST OF ATTENDED ONLINE FACULTY DEVELOPMENT PROGRAMME:

| S.No. | Title Of The Programme | Institute Name &Address | Date |
|-------|--|--|--|
| 1 | Empowering Engineers through Advanced AI and ML Technologies | Seshadri rao Gudlavalleru Engineering College, Gudlavalleru. | 18 th Oct to 19 th Oct 2024 |
| 2 | Current Trends in Mechanical Engineering | Shri Vishnu Engineering College for Women,Bhimavaram. | 20 th to 25 th May 2024. |
| 3 | Advances in Mechanical Engineering | Prasad V Potluri Siddhartha Institute of Technology | 2 nd to 13 th December 2024. |
| 4 | Emerging trends in Mechanical Engineering | Seshadri rao Gudlavalleru Engineering College, Gudlavalleru. | 20 th to 25 th June 2022 |
| 5 | Advancements in Thermal and Renewable Energy Technologies(ATRET-2022) | LBRCE,Mylavaran | 4 th July to 9 th July 2022. |
| 6 | Insights of NEP 2020 and strategies for its implementation | Seshadri rao Gudlavalleru Engineering College, Gudlavalleru. | 12 th June,2022 |
| 7 | Design For Manufacturing & Assembly | APPSSDC,A.P | 21 st Mayto23 rd May 2020. |
| 8 | Recent Trends In Quality Control & Testing Of Weldments | Godavari Institute Of Engineering & Technology {Autonomous}, Rajamahendravaram, Andhra Pradesh | 26thand27thMay 2020. |
| 9 | Research Trends In Mechanical Engineering | Gudlavalleru Engineering College,Gudlavalleru,A.P | 15 th to20thJune 2020. |
| 10 | Modelling And Optimization Techniques For Materials And ManufacturingProcesses | Lakkireddy Bali Reddy CollegeOf Engineering (Autonomous),A.P | 18 th to 22 nd May, 2020. |
| 11 | Digital Engineering In Aerospace | APSSDC,A.P | 1 st to5 th June2020. |

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| 12 | The Strategies For Enhancing Professional Communication | Rise Krishna Sai Prakasam Group Of Institutions, Ongole, A.P | 8th and 9th June, 2020 |
| 13 | Contemporary Developments In Manufacturing Processes, Sustainable Manufacturing And Industrial Technologies | Pragati Engineering College, A.P | 9th to 13th June, 2020 |
| 14 | Matlab And Simulink In Engineering Education | APSSDC, A.P | 10 th to 11 th June 2020. |
| 15 | Recent Developments In Mechanical Engineering | Prasad V. Potluri Siddhartha Institute Of Technology | 10 th to 14 th of August 2020. |

LIST OF ATTENDED WORKSHOPS & SEMINARS:

| S.No | Title of work shop | Place & Address | Date |
|------|--|--|---|
| 1 | Workshop on World Skills Day Competitions | VR Siddhartha College of Engineering, Vijayawada | 30 th Jan, 2018 |
| 2 | A two week FDP cum workshop on New Frontiers in multi scale Modeling of advanced materials | NEC, NRT, Guntur | 10 th to 25 th Nov, 2017 |
| 3 | A two day hands on workshop on 3D printing | NEC, NRT, Guntur | 13 th to 14 th Sep, 2017 |
| 4 | I2E-Entrepreneurship Educators' Bootcamp | APPSSDC skill development centre, Vijayawada, A.P | 8 th August, 2017 |
| 5 | Faculty improvement program (FIP) On Industrial Automation - Siemens | APPSSDC skill development centre, VVIT, Guntur, A.P | 15 th to 20 th May, 2017 |
| 6 | National Instruments-Engineering Education and Research Seminar | Guntur, A.P | 12 th Nov, 2016 |
| 7 | National Seminar on composite materials and polymers | NIST, Berhampur, Orissa | 31 st July to 1 st August, 2015 |
| 8 | TEQIP sponsored workshop on Engineering Failures prediction, Prevention and post Analysis | Department of Metallurgical Engineering, Andhra University, Visakhapatnam | 13 th Feb, 2015 |
| 9 | One week faculty development programme on AutoCad (2D & 3D Modelling) | Gandhi Institute of Engineering & Technology, Gunupur | 7 th to 12 th April, 2014 |
| 10 | AICTE sponsored National seminar on Metal Matrix Composites | Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Guntur | 29 th to 30 th September, 2010 |

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| 12 | Development Programme on ” Finite Element Analysis And Its Applications” | Engineering, GITAM Institute Of Technology, GITAM University, Visakhapatnam. | 2009 |
| 13 | Induction Training conducted for young faculty under Indian Society For Technical Education (ISTE) Chapter | Department of Mechanical Engineering, R. V.R.&J.C.College of Engineering, Guntur | 25 th to26 th July, 2008. |
| 14 | AICTE sponsored National seminar on Micro Machining | Department of Mechanical Engineering, R. V.R.&J.C.College Of Engineering, Guntur | 19 th to20 th December2008 |
| 15 | A Short-Term Intensive Course on “Advances In Composite Materials” | Department of Mechanical Engineering, Vignan’s Engineering College, Vadlamudi, GUNTUR. | 28 th to30 th June, 2007. |

LIST OF ATTENDED TRAINING PROGRAMMES:

| S.No | Name of the Training Programme | Organization | Duration |
|------|---|---|--------------------------|
| 1. | The first junior course in GERMAN language | RAMAKRISHNA MATH, Hyderabad. | July2002toSeptember 2002 |
| 2. | Master’s Programme in CAD/CAM/CAE&MOLD DESIGN | CENTRAL INSTITUTE OF PLASTICS ENGINEERING& TECHNOLOGY (CIPET),Hyderabad | June2002todecember2002 |

MEMBERSHIP IN PROFESSIONAL BODIES:

1. Life Membership in SFA (Society for Failure Analysis)
2. Life Membership in ISRD (International Society For Research And Development)

MENTOR IN WEBSITES:

- Working as Mechanical Tutor in www.Chegg.com from 2018 to till date.
- Working as Mechanical Instructor in www.ekeeda.com from 2020 totill date.

GUESTLECTURESDELIVERED

1. A Guest Lecture (2021) is given on “FLEXURAL STRESS” in Narasaraopet Engineering College, Narasaraopet, A.P.
2. A Guest Lecture(2019) is given on “KINEMATIC ANALYSIS”inNarasaraopet Engineering College, Narasaraopet, A.P.
3. A GuestLecture(2013)isgivenonMetallurgy&EngineeringMaterialsatTirumala Engineering College, Narasaraopet, A.P.
4. A Guest Lecture(2012) is given on Drawing techniques & Fundamentals atHMKS&MGS College of Engineering, Kanagala, A.P.

ADMINISTRATIVEACTIVITIES

1. Serving as NBA Criteria In charge in Gudlavalleru Engineering College, Gudlavalleru.
2. Served as Member in NBA Committee in Gudlavalleru Engineering College, Gudlavalleru.
3. Served as Mentor for World skills India.
4. Served as Mentor co-ordinator at Narasaraopeta Engineering College,Narasaraopet.
5. Served as Sero software co-ordinator at Narasaraopeta Engineering College,Narasaraopet.
6. ServedasMoodlesco-ordinatoratNarasaraopetaEngineeringCollege,Narasaraopet
7. ServedasLibraryInchargeforCentralLibraryatRamachandraCollegeofEngineering, Vatluru, Eluru, A.P.
8. Servedas Research Co-Ordinatorat Gandhi Institute of Engineering&Technology,Gunupur, Rayagada, Odisha.
9. ServedasAntiRaggingCommitteeConvenoratUniversityCollegeofEngineering&Technology, Acharya Nagarjuna University, Guntur, A.P.
10. Served as Placement Co-Ordinator at R.V.R&J.C. College of Engineering, Chowdavaram,Guntur, A.P.

SUBJECTS TAUGHT

- Engineering Graphics
- Kinematics Of Machines
- Dynamics of Machinery
- Theory of machines-1

- Engineering Mechanics
- Production Technology
- Advances in Manufacturing Technology
- Material Science & Metallurgy
- Structural Mechanics
- Design of machine members-II
- Metrology & Measurements
- Design with advanced materials
- Mechatronics
- Introduction to physical metallurgy & Engineering.

SOFTWAREKNOWLEDGE:

1.Catiav5 R11 2.Pro-E 3.AutoCAD2002 4.MasterCam 5.Ansys.

PERSONALDETAILS:

Date of Birth :11-08-1979

Marital Status : Married

I here by declared the all the particulars given above are correct to the best of my knowledge.

-sd/-

(K.KRISHNAKISHORE)