

RESUME

Dr Maloth Prakash

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Personal Details:

Date of Birth : 30-08-1986
Sex : Male
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Career Objective

Seeking excellence in the chosen professional field through self-motivation, hard work and augmentation of core skills required to effectively deliver the requirements of the position.

Education

- ◆ **Ph.D** in Department of Mechanical Engineering, University College of Engineering, Osmania University in the year 2024, Hyderabad
- ◆ **M.E.** (Mechanical Engineering with Specialization in Production Engineering) University College of Engineering, Osmania University, Hyderabad, in the year 2012.
- ◆ **B.Tech.** (Mechanical Engineering) Gokaraju Rangaraju Institute of Engineering and Technology, affiliated to Jawaharlal Nehru Technological University, Hyderabad, in the year 2007.
- ◆ **Intermediate (10+2)** from Narayana Junior college, Hyderabad, Intermediate Board of Education in the year 2003.
- ◆ **10th** from Nalanda Vidya Bhavan, Hyderabad, Board of Secondary Education in the year 2001.

Employment Record

- ◆ **Assistant Professor** in Mechanical Engineering, **University College of Engineering**, Osmania University, Hyderabad from **19th Dec, 2012 to till date**
- ◆ Worked at **Bharath Heavy Electricals Limited**, Ramchandrapuram, Hyderabad, as **Project assistance** (Quality Control) for a period of ONE Year (April 2008-09).

Subjects Taught

- Startup Entrepreneurship
- Management Information Systems
- Industrial Administration and financial management
- Entrepreneurship
- Non- Conventional energy sources
- Engineering Graphics
- Elements of Mechanical Engineering
- AutoCAD
- Engineering Workshop

Research Ids

1. Googlescholar: https://scholar.google.co.in/citations?hl=en&user=Pv3mmR8AAAAJ&view_op=list_works&sortby=pubdate
2. Vidwan : <https://vidwan.inflibnet.ac.in/myprofile>
3. Web of science : <https://www.webofscience.com/wos/author/record/MEK-9275-2025>
4. Orcid : <https://orcid.org/0009-0002-8080-4924>

Industrial Exposure (Training/Project)

Ph.D Title: : “ Experimental Investigation on Meso Holes by Electrical Discharge Drilling on EN-31 Steel”

M.E: PROJECT: Project entitled “Experimental and Simulation analysis of Cup drawing on Mechanical press’ done at Bharath Heavy Electricals Limited, R.C.Puram Hyderabad.

B.Tech: PROJECT: Project entitled “Generating CNC Part Program for the Boiler Feed Pump Casing” done at Bharath Heavy Electricals Limited, R.C.Puram Hyderabad.

Research Papers

- ♦ “Optimization of MRR & TWR of Meso Holes on EN_31 Steel using Electrical Discharge Drilling”, published date 2023/9, pages 8811-8829, vol 12 issue 8, European Chemical Bulletin (ISSN 2063-5346).
- ♦ “Micro drilling of glass fiber reinforced polymer composites” published at international journal of research in application applied science and engineering technology (IJRASET), volume 7 issue V may 2019.
- ♦ "The effect of process parameters on building response of corner welded steel plates" at international journal of core engineering and Management ICCMEMT 2015.
- ♦ “Analysis and Fabrication of a Butt Joint Using Friction Stir Welding”, Published in proceedings of ICMIE-2014, 30th March 2014, Chennai, India – ISBN: 978-3-642-24819-8, pp. 103-108.
- ♦ “Analysis and Fabrication of a Butt Joint Using Friction Stir Welding”, Published in International Journal on Mechanical Engineering and Robotics (IJMER), SSN (Print): 2321-5747, Volume-2, Issue-1, 2014, pp. 37-42.
- ♦ “Characterisation of Aluminium over Mild Steel by Friction Surface Processing”, Published in International Conference on Emerging Trends in Engineering and Management (ICETEM 2013) – WARSE Publishers 2013, pp. 61-63.
- ♦ “Experimental and Characterisation of Aluminum over Mild Steel by Friction Surface Processing”, published in International Conference on Research and innovations in Mechanical Engineering 2013 - Proceedings of the International Conference on Research and Innovations in Mechanical Engineering, Lecture Notes in Mechanical Engineering, DOI: 10.1007/978-81-322-1859-3_35, Springer India 2014, pp 375-381.
- ♦ “Experimental and Characterisation of Aluminum Over Mild Steel by Friction Surface Processing”, published in Proc. 2013 FIME National Conf., 2013, pp.179-181.
- ♦ “Friction stir welding: An Green Environmental Process ”, Published at 4th International & 25th All India Machine Tool Design and Research Conference - 2013 (AIMTDR) held at Jadavpur University, Kolkata.

Workshop/ Seminars

- ◆ Two day National Seminar On Quality Assurance and Faculty Preparation for NAAC Accreditation of Osmania University organized by Internal Quality Assurance Cell, Osmania University on 27th and 28th February 2024.
- ◆ Participated in One week short term course on “EXPERIMENTAL TECHNIQUES AND DATA ANALYSIS” held on April 22nd – 26th 2019 in the Department of Mechanical Engineering, University College of Engineering (A), Osmania University, Hyderabad.
- ◆ Participated in the short term course on “Engineering Research Methodology” from 18th to 22nd June 2018, in the department of mechanical engineering University College of engineering, Osmania University Hyderabad.
- ◆ Participated in One day seminar on "SURFACE COATING TECHNOLOGIES" held on 16th March 2018 in the Department of Mechanical Engineering, University College of Engineering (A), Osmania University, Hyderabad.
- ◆ Participated in one day individual lecture on “Current trends in precision engineering” at department of Mechanical engineering CMR college of Engineering and Technology Hyderabad,
- ◆ Participated in Two day Workshop on “RESEARCH” Methodology held on 26-27th August 2017 at IIIT, Gachibowli Hyderabad.
- ◆ Participated in One day Workshop on “CHALLENGES IN JOINING OF ADVANCED WELDING” held on 26th may 2017 at GURUKUL NFC, Hyderabad.
- ◆ Participated in international conference on “Advances in materials and manufacturing” on December 8th to 10th 2016 at Defence research and development laboratory Hyderabad.
- ◆ Participated in three Days seminars cum training workshop on “Publish and present- Strengthening the Quality of scientific scholarly Communication” from 16th to 18th March 2015 at DMRL Hyderabad.
- ◆ Participated in one day workshop on “Engineering graphics using AutoCAD” held on 9th October 2015 at Department of Civil Engineering University College of Engineering Hyderabad
- ◆ Participated in one week short course on “Experimental Designs of Optimization” during 19th to 23rd May 2014 at department of Mechanical engineering University College of engineering Hyderabad.
- ◆ Participated in three days workshop on “Metrology” sponsored by TEQIP-II in the Department of Mechanical Engineering Osmania University on 21st to 23rd March 2013.
- ◆ Participated in one day workshop training on “CNC machining tools and techniques” on 12th February 2013 organized by department of Mechanical engineering University college of engineering Osmania University.
- ◆ Attended and presented paper in the 4th international and 25th “All India Manufacturing Technology Design and Research conference” held at Jadavpur University Kolkata on 14th to 16th December 2012.

Other Educational achievements:

- Qualified GATE in year 2012 with a score of **431**, and All India Rank of **6983**.
- Qualified GATE in year 2010 with a score of **451**, and All India Rank of **3431**.

Personal skill and Competencies

- Strong Verbal and Interpersonal Skills.
- Well organized with a good sense of time-management skills.
- Problem solving and Negotiation.
- Ability to work within a team as well as independently.
- Ability to work towards targets and meet strict deadlines.

Extra-Curricular activities/Hobbies

- Participated in All India General Knowledge Test
- Member of School Band team (Republic and Independence Day Parades)
- Actively involved in School and College Cricket Team.
- Playing chess, caroms and reading Comics are my hobbies.

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.



Dr Maloth Prakash

Place: Hyderabad
Date: 31.10.2025