

0.



Dr. Bharat Kumar Talluri

Assistant Professor, Department of Mechanical Engineering, MJCET, Hyderabad

PROFILE

Accomplished mechanical engineering academic with a **Ph.D. from NIT Warangal** and over 15 years of combined teaching, research and industry experience. Skilled in CAD/CAM/CAE, Finite Element Analysis, and composite materials research, with a consistent record of publications, a registered design patent, funded research projects and continuous professional development through regular engagement in faculty development programs, workshops, and webinars.

CONTACT

☎ +91-9502980399
✉ bharat.kumar@mjcet.ac.in
Hyderabad, Telangana, India.

EDUCATION

Ph.D., Mechanical Engineering
NIT Warangal - 2025

M.Tech, CAD/CAM

Holy Mary Inst. of Tech. & Science (JNTUH) - 2013, (76.8%)

B.Tech, Mechanical Engg.

Adam's Engineering College (JNTUH) - 2007 (68.95%)

Intermediate (M.P.C)

Board of Intermediate Edu., A.P. - 2003 (77.10%)

S.S.C.

Secondary School Certificate, A.P. - 2001 (84.60%)

SKILLS

- CAD/CAE: AutoCAD, Pro/E, CATIA V5, Hyper Works, ANSYS, Abaqus, FEA.
- Curriculum & Lab Design
- Research Writing & IP Drafting
- Mentoring & Student Guidance
- Academic Administration

PERSONAL DETAILS

Date of Birth: 6 March 1986
Nationality: Indian
Languages: English, Hindi, & Telugu.

PROFESSIONAL EXPERIENCE

Name of the Organization	Designation	Duration
Muffakham Jah College of Engineering and Technology.	Assistant Professor	Sept 2014 to till date
Holly Mary Institute of Technology Science.	Assistant Professor	Feb 2013 to May 2014
CADD Centre, & Vignan Institute.	Freelance Trainer / Teaching Assistant	May 2009 to Oct 2010
ITC Infotech India Ltd.	Associate IT Consultant	April 2008 to April 2009
i-mech Technologies Pvt. Ltd	Design Engineer Trainee	June 2007 to April 2008

RESEARCH, PUBLICATIONS, PATENTS & PROJECTS

8 Journal Publication	3 Conference Papers	2 Design Patents	1 Funded R&D Project	50+ FDPs / Workshops / Webinars
---------------------------------	-------------------------------	----------------------------	--------------------------------	---

CITATION METRICS

23 Google Scholar Citations	2 Google Scholar H-Index	1 Google Scholar i10-Index	1 Scopus Citations	1 Scopus H-Index
---------------------------------------	------------------------------------	--------------------------------------	------------------------------	----------------------------

ACADEMIC IDENTIFIERS

ORCID iD: 0000-0003-4714-9497	Scopus ID: 58528557000	Web of Science: AAF-5497-2021	Google Scholar ID: 5XwtVzQAAAAJ	Vidwan Profile: vidwan.inflibnet.ac.in/profile/335831
---	--	---	--	---

Subjects Taught: Engineering Drawing, Engineering Mechanics, Mechanics of Materials, Fluid Mechanics, Finite Element Analysis, Machine Drawing, and Computer Aided Manufacturing.

Labs Handled: Engineering Graphics, Engineering Workshop, Fluid Mechanics, CAD/CAM, and Metallurgy and Material Testing.

ROLES & RESPONSIBILITIES

- An active member of professional bodies and is keen on collaborative research, interdisciplinary projects, and contributing as a reviewer and subject expert in the areas of tribology, composite materials, and intelligent manufacturing.
- Guiding B.E. and M.E. students in their mini projects and final year projects, providing technical mentorship from concept to completion.
- Currently entrusted with compiling, editing and publishing the Departmental Newsletter for the Mechanical Engineering Department.
- Principal Investigator on an MJCET R&D Cell-sanctioned project: “Development of an Intelligent Real-Time Bus Tracking System for City Commuters using Live GPS, IoT and Mobile” (amount: Rs. 1,95,000).
- Serving as Class In-charge for a batch of 60 students, providing academic mentorship and personal counseling to support their overall development.
- Expert in timetable preparation, efficiently scheduling classes, labs, and faculty workload to ensure smooth academic operations.
- Led the Engineering Graphics Section as in-charge at MJCET, active role in lab setup, preparation of lab manual, and conducting AutoCAD training programs for internal faculty.
- Regularly participates in Faculty Development Programs, national/international webinars, workshops and conferences.
- Actively involved in NAAC/NBA accreditation processes, contributing to the department's successful accreditation outcomes through diligent documentation and compliance coordination.
- Entrusted with extra institutional duties as Observer-cum-Squad Member and External Examiner for Osmania University B.E. theory examinations.
- Served as Member, Organizing Committee for the International Conference on Recent Advances in Civil Engineering Infrastructure (RACEI-2019).
- Served as M.Tech & NAAC Coordinator for the Mechanical Engineering Department at HITS, overseeing academic scheduling, coordination and accreditation-related activities.
- Worked as a freelance Teaching Assistant for Engineering Graphics and Fluid Mechanics Lab at Vignan Institute of Management and Technology for Women.
- Worked as a freelance CAD Trainer for AutoCAD, Pro-E and CATIA software at CADD Centre, Secunderabad.
- Executed 3D modeling, assembly, drafting and reverse engineering of oil & gas drilling equipment, mould, thermal and plastic components using Pro-E and AutoCAD, while coordinating with clients such as Vijay Electricals, Aker Kvaerner and Steel Case.

CONTINUOUS PROFESSIONAL DEVELOPMENT

- Completed 31 Faculty Development Programs, workshops and webinars (2010–2024) across areas including CAD/CAM, Finite Element Analysis, Composite Materials, Research Methodology, and Academic Accreditation, hosted by institutions such as IIT Bombay, NIT Warangal, REVA University, and GRIET Hyderabad.
- Completed multiple NPTEL certifications, including Basics of Finite Element Analysis-I (IIT Kanpur), Computer Integrated Manufacturing: Concept to Implementation (IIT Kharagpur), Data-Enabled Tribological Engineering (IIT Madras), Patent Drafting for Beginners (IIT Madras), and Product Engineering & Design Thinking (IIT Kharagpur) several with Elite/Elite+Silver grades.
- Finite Element Modeling with Altair HyperWorks - 360eWorks (a Zuti initiative), 27 February – 5 April 2013.
- Master's Program in Applied CAD/CAM/CAE (AutoCAD, Pro/Engineer, CATIA, ANSYS) - Engineers CADD Centre Pvt. Ltd. (Research Engineers International), 1000 hours, May–Oct 2007, Grade A+.

RESEARCH PROJECTS / GRANTS

- Principal Investigator, "Development of an Intelligent Real-Time Bus Tracking System for City Commuters using Live GPS, IoT and Mobile," sanctioned by MJCET R&D Cell, total project cost Rs. 1,95,000 (Phase 1 released: Rs. 97,500), April 2025.

PATENTS

- Design Registration No. 502290-001 - "Composite Material Design and Manufacturing Device," The Patent Office, Government of India, registered 16 May 2026 (sole registrant: Dr. Bharat Kumar Talluri).
- Design Registration No. 343708-001 - "Fuel Briquetting Press," The Patent Office, Government of India, registered 21 May 2021 (Co-registrants: N.B.V. Lakshmi Kumari, Ishrat Meera Mirzana, Syed Fayezullah).

PROFESSIONAL STRENGTHS

- Strong teamwork, communication, and adaptability, with a proven ability to learn quickly and adjust to new work environments.
- Highly responsible and quality-focused, committed to meeting work standards, achieving targets, and delivering tasks within deadlines.

I hereby declare that all the information provided above is true to the best of my knowledge and belief.


(Dr. Bharat Kumar Talluri)