



Ms. PODILA MEGHANA

Assistant Professor



Education Qualifications: Master of Engineering (Mechanical Engineering)
Specialization: Advanced Design and Manufacturing

ADDRESS:

- B- Block -Room No 104

JNTUH ID: 3913160207125039

EMAIL:

podilameghana_mct@mgit.ac.in

DATE OF JOINING:

20-02-2017

EXPERIENCE -

- Teaching - 9

SUMMARY:

- Publications - 2
- Conferences - 1

EVENTS:

- Organized - 1
- Attended - 16

LET'S MEET ON SOCIAL:

- www.linkedin.com/in/meghanapodila

Responsibilities Held at Institution Level:

1. Serving as Assistant Professor, delivering high-quality teaching and mentoring undergraduate students across core Mechanical Engineering subjects.
2. Contributing to the implementation of institutional policies by aligning academic activities with the vision and mission of the institution.
3. Engaging in institution-level accreditation and quality assurance activities, contributing towards NAAC, NBA, JNTU-H and Autonomous College requirements.

Responsibilities Held at Department Level:

4. Handling Core Engineering Subjects and laboratory courses at the Undergraduate level.
5. Served as a **Class In-charge**, overseeing academic performance, attendance, discipline, and overall student welfare, while acting as a key link between students and faculty.
6. Providing **comprehensive documentation support for NBA and NAAC accreditation**, including preparation of departmental records.
7. Coordinating **Autonomous activities** such as syllabus framing, question paper setting, examination evaluation to ensure smooth functioning under the autonomous framework.
8. Acting as a **Student Mentor**, guiding students on academic, personal, and career-related matters, thereby contributing to their holistic development.
9. Actively supporting **departmental events, workshops, and seminars**, fostering an environment of continuous learning and skill development.
10. Contributing to **departmental strategic initiatives**, aligning academic activities with institutional goals and enhancing the department's academic reputation.
11. Managed **Department Time-Table preparation and implementation** (A.Y. 2020-21, 2021-22), ensuring optimal utilization of resources and smooth conduct of academic schedules.

Courses Handled at Undergraduate /Post Graduate Level:

1. **UG:** Manufacturing Processes and Machine Tools, Unconventional Machining Processes, Renewable Energy Sources, Engineering Graphics and CAD, Engineering Workshop Laboratory, Additive Manufacturing, 3D Printing Technology, CNC Technology.

Publications:

1. Published a journal on "Evaluation Of Mechanical Properties Of Blended PVC Over Virgin PVC Used In Injection Blow Molding

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Process” in Industrial Engineering Journal: ISSN 0970-2555, Volume: 53, Issue 9, No.3, September-2024, UGC Care Approved, Group I, Peer Reviewed Journal with IF=6.82.

2. Published a journal on “Design and Analysis of Carbon Fiber Reinforced Composite Cylindrical Shell Structure using Classical Laminate plate Theory” in British Journal of Applied Science & Technology, 20(1): 1-12, 2017; Article no. BJASt.31981 ISSN:2231-0843, NLM ID: 101664541, April 2017.

Conferences:

1. Attended and presented a paper at National Conference on Advances in Mechanical Engineering (NCAME) organized by Nalla Malla Reddy Engineering College, Divyanagar, Narapally, on “Effects of Friction Stir Processing Parameters on Hardness and Surface Finish on AA7075”, Sep 2014.

Events Organized:**Conferences:**

1. Coordinator for “A one week online Faculty Development Program on ADVANCED OPTIMIZATION TECHNIQUES FOR RESEARCH PROBLEM SOLVING” organized by department of Mechanical Engineering, MGIT, Hyderabad held during 4 - 8 August, 2020

Workshops/ Technical Events

1. Faculty Co-Coordinator for 2 day Technical Symposium “Technovation’ 2026” organised by Department of Mechanical Engineering (Mechatronics), MGIT, Hyderabad during 12-13 feb’2026.
2. Faculty Coordinator for 2 day Technical Symposium “Ignito’2026” organised by Department of Mechanical Engineering, MGIT, Hyderabad during 12-13 feb’2026.
3. Faculty Coordinator for 2 day Drone Workshop organised by Department of Civil & Mechanical Engineering, MGIT in association with ACIC, CBIT., Hyderabad.
4. Faculty Coordinator for 2 day Technical Symposium “Ignito’2026” organised by Department of Mechanical Engineering, MGIT, Hyderabad.

Events Attended**FDPs/STTPs:**

1. Attended a Faculty Development Program on “Advanced ANSYS Mechanical Software domain” from 25th to 29th November 2024, organized by Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology (A).
2. Attended an AICTE Sponsored One Week Online Short-Term Training Program (STTP), SLOT - 4, on “Recent Advances in Micro Electro Mechanical Systems (MEMS), Mechatronics and Their Applications for Future Challenges”, organized by department of Mechanical Engineering, MGIT, Hyderabad, held during 7th - 12th December 2020.
3. Attended a FDP on “One Week Online FDP on “Outcome Based Education and Accreditation” organized by ISTE Telangana Section



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in association with JNTUH College of Engineering, Jagtial; Mahatma Gandhi Institute of Technology, Hyderabad and Swecha during 5th -9th Oct 2020.

4. Attended a FDP on 'Innovative Product Design, Precision Engineering and Optimization (IPDPEO - 2020)' organized by department of Mechanical Engineering, Vasavi College of Engineering, Hyderabad, held during 10th – 14th Aug 2020.
5. Attended a FDP on 'Advanced Optimization Techniques for Research problem Solving' organized by department of Mechanical Engineering, MGIT, Hyderabad, held during 4th - 8th August 2020.
6. Attended a FDP on 'Free and open-source alternative for web conferencing & teaching learning, organized by department of CSE, MGIT, Hyderabad, held during 15th -16th July 2020
7. Participated in Five Day Faculty Development Program on 'Recent Advances in Mechanical Engineering-A research perspective' organized by department of Mechanical Engineering, MGIT, Hyderabad held during 6th – 10th July 2020.
8. Participated in Five Day Faculty Development Program on AUTODESK INVENTOR Organized by ICT ACADEMY at Vardaman College of Engineering, Shamshabad, held in July 2017.

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. Attended a one-week National Level Workshop on "Recent Trends in Manufacturing Methods for Industry Applications" organized by the Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology (A) in collaboration with Advanced Systems Laboratory (ASL), DRDO, and Indian Society for Advancement of Materials and Process Engineering (ISAMPE), Hyderabad Chapter, held from 05/01/2026 to 10/01/2026.
2. Attended a One-Week Workshop on "Emerging Innovations and Challenges in Modern Data Analytics Applications" organized by Department of Information Technology, MGIT in association with CSI from 20/01/2025 to 25/01/2025.
3. Attended a One-Week Workshop on "Recent Advances in Design, Manufacturing & Testing of Composites" organized by Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology (A) in collaboration with Advanced Systems Laboratory (ASL), DRDO, and Indian Society for Advancement of Materials and Process Engineering (ISAMPE), Hyderabad Chapter held from 06/01/2025 to 11/01/2025.
4. Attended a one-day webinar on "Polygeneration an Innovative Method for Energy and Power Generation" 3rganized by Dept of Mechanical Engg., CBIT, on 13th November 2021.
5. Attended a one-day seminar on "Air Pollution and its impact on safety and health at work" held on 30th March 2019, at the Institute of Engineers, (India), Visvesvaraya Bhavan, Khairtabad, Hyderabad.



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6. Attended a one-day webinar on “Women Empowerment”
Organized by WOMEN Welfare cell, MGIT, Hyderabad on 1st July 2020.
7. Attended a one-day webinar on Outcome based Education Software
Organized by VMEDULIFE Software Services, Hyderabad, on 16th July 2020.
8. Attended a one-day webinar on “A practical approach on Industry 4.0 and its implementation in Smart Factories” organized by department of Mechanical Engineering, MGIT, Hyderabad on 26th July 2020.
9. Attended a one-day webinar on “National Education Policy-2020”
Organized by UBA-Cell, MGIT, Hyderabad on 26th Sep 2020.

Online Certifications:

1. Online Course on Microsoft SQL Certification Training from Intellipaat Power BI in November’ 2025.
2. Online Course on Power BI certification training from Intellipaat in January’ 2026.
3. Online Course on ‘LEARNING 3D PRITING’ on LinkedIn Learning in May 2024.
4. Online Course on ‘Instructional Design-Needs Analysis’ on LinkedIn Learning in June 2022.
5. Online course on WIND ENERGY an online non-credit course authorized by Technical University of Denmark (DTU) and offered through Coursera in June 2020.
6. Online Course on MECHANICAL OF MATERIALS I: FUNDAMENTALS OF STRESS & STRAIN & AXIAL LOADING an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera in JUNE, 2020.
7. NPTEL course Non-Conventional Energy Resources (12 Weeks) on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester.
8. NPTEL course on Fundamentals of Manufacturing Processes(12 Weeks) on the SWAYAM platform (swayam.gov.in), during the July-Oct 2019.