

**Mrs. M. Lalitha Pallavi**

Assistant Professor, Department of Civil Engineering,
Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, Krishna District, India
Email: lalithapallavi@gmail.com
Mobile: +91 83415 97393 | +91 89856 71638

Professional Objective

To pursue a challenging and growth-oriented academic career where I can effectively contribute my knowledge and technical expertise in Civil and Transportation Engineering and actively engaging in curriculum development and student mentorship and institutional growth.

Academic Qualifications

Degree	Specialization	Institution	Performance
Ph.D	Civil Engineering	Andhra University	Pursuing
M.Tech	Transportation Engineering	Nalanda Institute of Engineering & Technology, Palnadu	73%
B.E	Civil Engineering	SRKR Engineering College, Bhimavaram	69%
Intermediate	MPC (Maths, Physics, Chemistry)	PRSMN Junior College, Vuyyuru	83%
S.S.C	SSC	ANM English Medium School, Pamarru	82%

Academic and Teaching Experience**Assistant Professor**

Seshadri Rao Gudlavalleru Engineering College

Duration: June 2021 – Present

- Engaged in undergraduate course delivery and curriculum development.
- Mentored student projects in transportation and pavement engineering.
- Coordinated academic activities and assessments.

Lecturer

Dhanekula Institute of Engineering and Technology, Ganguru

Duration: November 2019 – June 2021

- Delivered lectures in core civil engineering subjects.
- Coordinated academic activities.

Subjects taught

- Engineering Drawing
- Engineering Graphics

- Highway Engineering
- Transportation Engineering
- Traffic Engineering
- Railways, Harbour and Airport Engineering
- Surveying
- Geotechnical Engineering
- Project Planning and Management
- Irrigation Engineering
- Building Planning and Drawing
- BCME

Research ID's

- Vidwan ID: 225006
- Googlescholar: https://scholar.google.com/citations?hl=en&user=D694U6gAAAAJ#d=gs_hdr_drw&t=1757491797519
- Oricid ID: 0000-0001-7032-1203
- Research gate ID: <https://www.researchgate.net/profile/M-Pallavi/research>

Research Publications

1. Optimizing the bituminous pavement constructions with waste plastic materials improved the road constructions performance and their future application
Published: 30 September 2024, Volume 3, article number 16, (2024)
2. Experimental Study on Usage of Coconut Shell and Coconut Fibre in Flexible Pavements, **Journal:** JETIR, Vol. 11, Issue 4, April 2024, **Paper ID:** JETIR2404B72 [View Publication](#)
3. Study on Strength Properties of Concrete with Partial Replacement of Cement by Marble Powder for Usage in Rigid Pavement, **Journal:** IJCRT, Vol. 11, Issue 5, May 2023
4. Applications of Plastic Waste Materials in Bituminous Mixes Pavement for Increasing the Strength of Pavement Materials, 2022
5. A Study on Railway Road Under Bridge Construction and Its Course of Action Using Box Pushing Technique, **Journal:** IJAEMA, **DOI:** 18.0002.IJAEMA.2021.V13I3.200001.0156859021618

Patents

MULTI-STAGE FILTRATION SYSTEM AND METHOD FOR TREATING INDUSTRIAL WASTE WATER USING BIOSORBENTS
SLTI-STAGE FILTRATION SYSTEM AND METHOD FOR TREATING INDUSTRIAL WASTE WATER USING BIOSORBENTS

Research Interests

- Transportation Engineering
- Pavement Materials and Design
- Use of Sustainable and Recycled Materials in pavements.

Technical Proficiency

- **Software:** AutoCAD, MS Office
- **Programming:** C, C++
- **Strengths:** Quantitative Aptitude, Logical Reasoning,

Academic Projects

M.Tech Major Project

- A Railway Road Under Bridge Construction Using Box Pushing Technique

B.E Projects

- *Mini Project:* Case Studies on Bridges and Railway Tracks
- *Major Project:* Design and Analysis of Water Tanks

Faculty Development Programmes Attended

- FDP on "Smart Materials and Technologies for Durable Structures", R.V.R & J.C College of Engineering & Technology, September 2025.
- FDP on "AI & ML in Civil Engineering", Sri Ranganathar Institute of Engineering & Technology, May 2025.
- FDP on "Potential Research Trends in Civil Engineering Domains", Lakireddy Bali Reddy College of Engineering, March 2025.
- FDP on "Disaster Risk Reduction through Sustainable Infrastructure", Ramachandra College of Engineering, December 2024.
- FDP on "Sustainable Construction Practices", Koneru Lakshmaiah Education Foundation (Deemed to be University), August 2024.
- FDP on "AI & ML Applications in Civil Engineering", Lakireddy Bali Reddy College of Engineering, June–July 2024
- FDP on "Generative AI", Seshadri Rao Gudlavalleru Engineering College, June 2024
- FDP on "Building Resilient Infrastructure", VVIT, June 2024
- FDP on "Civil Engineering Practices for Better Environment", P.R.Patil College of Engineering & Management, June 2024.
- FDP on "2nd Series of Geotechnical Engineering Practices and its Sustainable Development-2024", Ballari Institute of Technology & Management, June 2024.
- FDP on "Geospatial Technology", Sri Vishnu Engineering College for Women, May

2024

- FDP on “Innovative Technologies for Sustainable Environment”, GMR Institute of Technology, December 2023.
- FDP on "Technological Advancements in Civil Engineering", Mangalam College of Engineering, June 2023
- FDP on "Applications of AI and ML in Civil Engineering", SRGEC, February 2023
- FDP on "Recent Trends in Civil Engineering", JB Institute of Engineering & Technology, February 2023.
- FDP on “Emerging Trends and Practices in Civil Engineering”, Aditya Institute of Technology and Management, November 2022.
- FDP on “Insights of NEP 2020 and Strategies for its implementation”, Seshadri Rao Gudlavalleru Engineering College, June 2022.
- FDP on "State-of-the-Art Modeling Techniques in Civil Engineering", Vardhaman College of Engineering, September 2021

Certifications and Achievements

- **23rd Rank in APRCET 2023–2024**
- **Elite Silver Certification** in Introduction to IoT from NPTEL SWAYAM (Score: 76%)
- **Elite Silver Certification** in Introduction to IoT from NPTEL SWAYAM (Score: 84%)
- **Elite Certification** in Traffic Engineering from NPTEL SWAYAM (Score: 72%)
- **Elite Silver Certification** in Introduction to IoT from NPTEL SWAYAM (Score: 76%)

Personal Information

- **Date of Birth:** 03 September 1988
- **Gender:** Female
- **Marital Status:** Married
- **Spouse:** Mr. P. Raja Sekhar
- **Nationality:** Indian
- **Languages Known:** English, Telugu

Mrs. M. Lalitha Pallavi