

RESUME

M. DURGA RAO

M.Tech, (Ph.D)

Assistant Professor

Civil Engineering

SRGEC

Gudlavalleru

Andhra Pradesh

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OBJECTIVE:

To be associated with a reputed institution as a faculty member and excel in the field of academia and research. Teaching is my passion and want to share the acquired knowledge to students. Apart from the application of my knowledge and skills for the institute want to involve myself in the ongoing research activities by publishing high quality papers in reputed journals.

EDUCATIONAL QUALIFICATIONS:

Course	Discipline	Name of the institution	Board/ University	Period of Study	CGPA/ Percentage
(Ph.D)	Civil Engineering	JNTU K, Kakinada	JNTU Kakinada	Pursuing	
M.Tech	Structural Engineering	Gayathri Vidhya Parishad College of Engineering (A), Visakhapatnam	JNTU Kakinada	2012-2014	72%
B.Tech	Civil Engineering	S.R.K. Institute of Technology, Vijayawada	JNTU Kakinada	2008-2012	71%
Intermediate	M.P.C	Sri Chaitanya Junior College, Vijayawada	M.P.C	2006-2008	92.7%
Class X	S.S.C	K.B.C. ZPH School, Vijayawada	S.S.C	2005-2006	88.6%

EMPLOYMENT DETAILS:

DESIGNATION	INSTITUTION NAMES	PERIOD
Assistant Professor	SRK Institute of Technology, Vijayawada	11-7-2012 to 24-11-2012 (5 Months)
Assistant Professor	MVR College of Engineering & Technology, Vijayawada	21-01-2015 to 30-09-2016 (1 Year 9 Months)
Assistant Professor	Gudlavalleru Engineering College, Gudlavalleru	01-10-2016 to Till date

RESEARCH INTERESTS

Low Cost/Alternate building materials, Self curing concrete, Self compacting concrete, Recycled aggregate concrete, fiber reinforced Concrete sustainable construction materials.

PUBLICATIONS:

INTERNATIONAL JOURNALS

- 1) M.Durga Rao *et al.* , “Performance of M 30 grade concrete by replacing cement with ggbs and fine aggregate with quarry dust.” *International Research Journal of Modernization in Engineering Technology and Science*, Volume:05/Issue:04/April-2023, e-ISSN: 2582-5208.
- 2) M.Durga Rao *et al.* , “Performance of M 40 grade concrete by replacing cement with ggbs and fine aggregate with quarry dust.” *International Research Journal of Modernization in Engineering Technology and Science*, Volume:05/Issue:04/April-2023, e-ISSN: 2582-5208.
- 3) M.Durga Rao *et al.* , “Characterization of fiber reinforced self-compacting concrete by flyash and cement”. *Chemistry of Inorganic Materials* Volume1 December 2023, 100010.
- 4) M.Durga Rao *et al.* , “An Experimental Study on Compressive Strength of Concrete by Partial Replacement of Cement with SCBA.” *International Journal of Recent Advances in Multidisciplinary Topics*, Vol 2, Issue 6, pp:241-244 (2021)
- 5) M.Durga Rao *et al.*, “Analysis and Design of G+6 Residential Building using STAAD PRO.” *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, Vol 8, Issue 9, pp: 1226-1231 (2020)
- 6) M.Durga Rao *et al.*, “Performance of Self Compacting Concrete with Partial Replacement of Coarse Aggregate with Recycled Coarse Aggregate.” *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, Vol 8, Issue 9, pp: 1773-1777 (2019)
- 7) M.Durga Rao *et al.*, “Experimental Studies on Self Compacting Concrete with Partial Replacement of Fly Ash and Silica Fume.” *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, Vol 7, Issue 8, pp: 6-12 (2018)

- 8) M.Durga Rao *et al.*, “An Experimental Study on Geo-Polymer Concrete Incorporating GGBS (ground granulated blast furnace slag) and Metakaolin.” *International Journal of Engineering Sciences & Research Technology*, Vol 5, Issue 8, pp: 545-553 (2016)
- 9) M.Durga Rao *et al.*, “Experimental Study on Fiber Reinforced Green Concrete for M30 Grade.” *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)*, Vol 13, Issue 4, pp: 1-6 (2016)

FACULTY DEVELOPMENT PROGRAMS:

- 1) Attended a 40 hours Faculty Development Program on "***Applications of MATLAB in Civil Engineering***" organized by E&ICT Academy NIT Warangal, Telangana in association with the S.R. Gudlavalluru College from 17th February- 27th February 2025.
- 2) Attended a six days virtual Faculty Development Program on "***Sustainable Construction Practices***" organized by K.L. University, held during 05th - 10th August 2024.
- 3) Attended a Eight days offline Faculty Development Program on "***Universal Human Values-II***" organized by AICTE at Sri Vasavi Engineering College, West Godavari f, held during 17th - 24th July 2024.
- 4) Attended one week Faculty Development Program on "***MATLAB Applications in Civil Engineering***" organized by S.R. Gudlavalluru Engineering College, held during 11th - 15th March 2024.
- 5) Attended Faculty Development Program on "***Recent Advancements in Geotechnical and Transportation Engineering (RAGTE)***" organized by Gudlavalluru Engineering College, held during 21st - 25th June 2021.
- 6) Attended Faculty Development Program on "***Trends in Civil Engineering***" organized by Gokaraju Rangaraju Institute of Engineering and Technology(Hyderabad),Department of Civil Engineering , held during 18th – 22nd Jan 2021.
- 7) Attended Faculty Development Program on "***Recent Advancements in Special Concretes (RASC)***" organized by Gudlavalluru Engineering College, held during 26th - 31st October 2020.
- 8) Attended Faculty Development Program on "***Recent Advancements in Civil Engineering: Challenges and Future Perspectives***" organized by Shri Vishnu Engineering College (Bhimavaram), Department of Civil Engineering , held during 25th - 30st May 2020.
- 9) Attended Faculty Development Program on "***Effects of Soil structure interaction on structures against Static and Dynamic Loads***" organized by Gudlavalluru Engineering College, held during 3rd - 8th February 2020.

- 10) Attended Faculty Development Program on "**Level1:Oral Communication Skills**" organized by English Language Teaching Centre, Gudlavalleru Engineering College, held during Jan-July 2020.
- 11) Attended Faculty Development Program on "**Design of Structures- A Practical Approach**" organized by Gudlavalleru Engineering College, held during 26th - 30th November, 2018.
- 12) Attended Faculty Development Program on "**Advancements in Construction Materials**" organized by Gudlavalleru Engineering College, held during 25th - 29th June, 2018.
- 13) Attended Faculty Development Program on "**Finite Element Analysis**" organized by Gudlavalleru Engineering College, held during 19th - 24th June, 2017.
- 14) Attended Faculty Development Program on "**Introduction to Structural Engineering**" organized by IIT Kanpur, held during 30th November, 2015 to - 9th January, 2016.

NPTEL ONLINE CERTIFICATIONS

S.NO	Name of the Course	Duration	Final Score	Performance
1	Introduction to Internet of Things	Jan – Apr, 2024 (12 week course)	75%	Elite+Silver
2	Municipal Solid waste Management	July – Oct, 2023 (12 week course)	68%	Elite
3	Concrete Technology	Jan – Apr, 2023 (12 week course)	75%	Elite+Silver (TOP 5%)
4	Plastic Waste management	Aug-oct 2022 (8weeks)	79%	Elite+Silver
5	Strength of Materials	July – Oct, 2021 (12 week course)	71%	Elite+Silver
6	Geotechnical Engineering 1	Jan – Apr, 2019 (12 week course)	60%	Elite
7	Design of Reinforced Concrete Structures	July – Oct, 2018 (12 week course)	87%	Elite
8	Concrete Technology	July – Oct, 2018 (12 week course)	58%	Successfully completed

HONOURS AND ACHIEVEMENTS

- 1) Qualified in AP RCET – 2019 & Secured 55 Rank conducted by Andhra University, Visakhapatnam on behalf of APSCHE.
- 2) Ratified Assistant Professor in MVR College of Engineering & Technology by JNTUK KAKINADA VIDES Lr.No.JNTUK/Registrar peshi/Ratify Principal& Faculty/ 2015 dated11.09.2015).
- 3) Qualified in PGECET – 2012 & Secured 166 Rank conducted by Osmania University Hyderabad.

PROFESSIONAL BODIES MEMBERSHIP DETAILS

AM184344-6	Associate Member in the Institution of Engineers (India)
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COURSES TAUGHT

- 1) Engineering Graphics
- 2) Design of Reinforced concrete structures
- 3) Basic Civil Engineering
- 4) Structural Analysis
- 5) Concrete Technology
- 6) Building materials and construction
- 7) Elements of Civil Engineering
- 8) Environmental Sanitation
- 9) Solid waste Management
- 10) Strength of materials
- 11) Advanced Concrete technology
- 12) Universal Human Values-II

ADDITIONAL RESPONSIBILITY

CONTRIBUTION AT INSTITUTE AND DEPARTMENT LEVEL

- 1) NPTEL Coordinator (Dept level)
- 2) NBA Criteria IX Coordinator (Dept level)
- 3) CSP Assistant Coordinator (Dept level)
- 4) Engineering Geology Lab Incharge (Dept level)
- 5) Facility Coordinator (Dept level)
- 6) Counselor for 20 Students

PERSONAL STRENGTH

- 1) Quick learner with Good Leadership qualities.
- 2) Hard Working and Adaptability to the situation and commitment to the work.
- 3) Willingness to learn and contribute to the growth of institution.

PERSONAL DETAILS:

- ❖ Name : M.Durga Rao
- ❖ Date of Birth : 15-June-1991.
- ❖ Nationality : Indian.
- ❖ Father's Name : M.Suryanarayana
- ❖ Mother's Name : M.Sarojini.
- ❖ Marital status : Married
- ❖ Languages Known: Telugu and English

DECLARATION:

I hereby declare that the above-furnished information is true and correct to the best of my knowledge

Date: 07-10-2025,
Place: Gudlavalleru

M.Durga Rao