

RESUME

M. DURGA RAO
M.Tech, AMIE, (Ph.D)
Assistant Professor
Civil Engineering
Seshadri Rao Gudlavalleru
Engineering College
Gudlavalleru
Andhra Pradesh
Phone: 8121230961
Email: durgarao.madasu@gmail.com



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%

EMPLOYEMENT DETAILS: 7.3 Years

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, Ferro cement, Fibrous Concretes, Recycled aggregate concrete, Sustainable construction, Ductility of high strength concrete, New concretes, Repair & Health Monitoring of Structures, fiber reinforced Concrete sustainable construction materials.

PUBLICATIONS:

INTERNATIONAL JOURNALS

- 1) 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)
- 2) 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)
- 3) 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)
- 4) 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)
- 5) 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)
- 6) 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 Faculty Development Program on "***Hands on Training with ETABS Software***" organized by Gudlavalleru Engineering College, held during 07th - 11th March 2022.
- 2) Attended Faculty Development Program on "***Recent Advancements in Geotechnical and Transportation Engineering (RAGTE)***" organized by Gudlavalleru Engineering College, held during 21st - 25th June 2021.
- 3) 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.
- 4) Attended Faculty Development Program on "***Recent Advancements in Special Concretes (RASC)***" organized by Gudlavalleru Engineering College, held during 26th - 31st October 2020.
- 5) 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.
- 6) Attended Faculty Development Program on "***Effects of Soil structure interaction on structures against Static and Dynamic Loads***" organized by Gudlavalleru Engineering College, held during 3rd - 8th February 2020.
- 7) Attended Faculty Development Program on "***Level I: Oral Communication Skills***" organized by English Language Teaching Centre, Gudlavalleru Engineering College, held during Jan-July 2020.
- 8) Attended Faculty Development Program on "***Design of Structures- A Practical Approach***" organized by Gudlavalleru Engineering College, held during 26th - 30th November, 2018.
- 9) Attended Faculty Development Program on "***Advancements in Construction Materials***" organized by Gudlavalleru Engineering College, held during 25th - 29th June, 2018.
- 10) Attended Faculty Development Program on "***Finite Element Analysis***" organized by Gudlavalleru Engineering College, held during 19th - 24th June, 2017.
- 11) Attended Faculty Development Program on "***Introduction to Structural Engineering***" organized by IIT Kanpur, held during 30th November, 2015 to - 9th January, 2016.

NATIONAL SEMINARS/WORKSHOPS

- 1) Attended One Day National Seminar on "*Structural Hazards and Allied Knowledge of Earthquakes(SHAKES)*" organized by MVR College of Engineering & Technology(Vijayawada), Department of Civil Engineering , held during 29th August, 2015.
- 2) Attended Two Day National Workshop on "*Emerging Trends in Renewable Energy*" organized by Electrical and Electronics Engineering & Centre for Advanced Energy Studies at KL University, held during 18th & 19th March, 2015.

NPTEL ONLINE CERTIFICATIONS

S.NO	Name of the Course	Duration	Final Score	Performance
1	Strength of Materials	July-Oct, 2021 (12 week course)	71%	Elite
2	Geotechnical Engineering 1	Jan – Apr, 2019 (12 week course)	60%	Elite
3	Design of Reinforced Concrete Structures	July – Oct, 2018 (12 week course)	87%	Elite
4	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.

M.TECH PROJECTS GUIDED

- 1) Strength and Durability Properties of Fiber Reinforced Self-Compacting Concrete with Partial Replacement of Cement by Fly Ash - **July 2020- B. Harish Kumar (18481D8702)**
- 2) Performance of Self Compacting Concrete with Partial Replacement of Coarse Aggregate with Recycled Coarse Aggregate - **July 2019- L.Rajitha (17481D8707)**
- 3) Experimental Studies on Self Compacting Concrete with Partial Replacement of Fly Ash and Silica Fume - **July 2018- B.Chandana (16481D8704)**
- 4) An Experimental Study on Geo-Polymer Concrete Incorporating GGBS and Metakaolin - **Aug 2016- Nallapaneni Madhava (13481H8708)**
- 5) Experimental Study on Fibre Reinforced Green Concrete for M30 Grade - **Aug 2016- Saranya .Valivarthi (13481H8710)**

B.TECH PROJECTS GUIDED

- 1) An Experimental Study on Compressive Strength of Concrete by Partial Replacement of Cement with SCBA- **July 2021**
- 2) Analysis and Design of G+6 Residential Building using STAAD PRO– **August 2020**
- 3) Influence of sustainable cement based materials on strength properties of concrete - **April 2019**
- 4) Durability studies on M40 Grade concrete with partial replacement of cement by sugarcane bagasse ash- **2017**

PROFESSIONAL BODIES MEMBERSHIP DETAILS

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

- 1) Mechanics of solids
- 2) Design of Reinforced concrete structures
- 3) Surveying
- 4) Structural Engineering lab
- 5) Mechanics of solids lab
- 6) Building Planning and Drawing
- 7) Concrete Technology
- 8) Building materials and construction
- 9) Elements of Civil Engineering
- 10) Environmental Sanitation
- 11) Solid waste Management

ADDITIONAL RESPONSIBILITY

CONTRIBUTION AT INSTITUTE AND DEPARTMENT LEVEL

- 1) U.G 1Year Coordinator (Dept level)
- 2) NBA Criteria 7 & 9 Coordinator (Dept level)
- 3) NAAC Criteria 6 Coordinator (Dept level)
- 4) IQAC/AQAR Coordinator (Dept level)
- 5) Autonomous Coordinator (Dept level)
- 6) Feedback Coordinator (Dept level)
- 7) Parents meet Coordinator (Dept level)
- 8) 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
- ❖ Hobbies : Playing Games, Music and Movies.

DECLARATION:

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

Date: 25-04-2022

Place: Gudlavalleru

M.Durga Rao