



# M.V.S.R. ENGINEERING COLLEGE Estd.1981

Affiliated to Osmania University  
Nadergul(P.O.), Hyderabad-501510., R.R.District, Telangana.

ISO 9001 : 2008

DEPARTMENT OF CIVIL ENGINEERING

NEWS LETTER

Volume - 1.2

January - 2016

www.mvsrec.edu.in



The Matrusri Education Society was founded in 1980 by a group of visionaries and philanthropists such as Arshadharmasri Late Sri Maturi Venkata Subba Rao as Founder Secretary, Maturi Gopala Rao, the architect of Nagarjunasagar Dam as Founder Chairman, besides industrialists, doctors, businessmen, administrators and advocates.

The society established Maturi Venkata Subba Rao Engineering College or MVSR Engineering College, affiliated with Osmania University, in 1981 which is now located in a campus at Nadergul, RR Dist.,

Telangana. The college was accredited by AICTE and approved by NBA.

MVSR Engineering College was founded in 1981 with three disciplines. The student strength at present is over 2,300. There are 160 faculty and 180 supporting staff. The college celebrated its Silver Jubilee in February 2007.

It is approved by the All India Council for Technical Education and affiliated to the Osmania University.

MVSR is ranked among the top 20 private engineering colleges in India by EFY research.

## Civil Engineering Department



Civil Engineering is a core field of engineering which deals with entire infrastructure that includes Buildings, Water supply and Sanitation, Irrigation facilities and Transportation facilities. The academic program includes Planning, Analysis, Design and maintenance of the above infrastructural components.

The Department of Civil Engineering of MVSR Engineering College was started in the year 1981 with an annual intake of 60 undergraduate students which was gradually raised to the present annual intake of 120 students.

The department is equipped with state of art laboratory facilities in the areas of Structural Engineering, Transportation Engineering, Geotechnical Engineering, Environmental Engineering, Geology, Surveying Hydraulics and Machinery. The department has computer applications laboratory facility. The department is also equipped with library apart from a central library with several volumes and titles including journals.

The department has well qualified, experienced and committed faculty for teaching, research and consultancy works. Five (5) faculty members are with PhD in their fields of specialization from prestigious Institutions and 11 faculty members are pursuing PhD program in their own area of specialization. All other faculty members are post graduates in engineering or technology from reputed institutions and University Colleges.



## Department Vision & Mission :

### VISION

To nurture the Civil Engineering Student fraternity and focus in right areas so that we can contribute to the nation's growth by providing talented and technically competent professionals while making the teaching - learning process an enjoyable experience.

#### Vision of the Institute:

To impart technical education of highest standards, producing technically competent, confident and socially responsible engineers

#### Mission of the Institute:

- To impart adequate fundamental knowledge, technical and soft skills to students
- To make learning process exciting, stimulating and joyful
- To create a climate conducive to excellent teaching - learning process
- To bring out creativity in students
- To contribute to advancement of engineering and technology
- To make positive contribution to meet societal needs

#### Program Outcomes (POs)

1. **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design / Development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

### MISSION

To produce an engineer who can adopt an integrated approach to various problems in Civil Engineering and judiciously use research and technology to benefit the society at large.

#### Programme Educational Objectives (PEOs).

- I. A strong foundation in mathematics, basic sciences and engineering fundamentals, to successfully compete for entry-level positions or pursue postgraduate programme in Civil Engineering and related fields.
  - II. Contemporary Civil Engineering professional skills, collection, analysis / interpretation and presentation of data, including hands-on laboratory experience, exposure to modern software, creativity, and innovation to successfully compete in the local, national and global market.
  - III. Strong communication and interpersonal skills, broad knowledge and an understanding of multicultural and global perspectives to work effectively in multidisciplinary teams, both as team members and leaders.
  - IV. Integral development of the personality to deal with ethical and professional issues, taking into account the broader societal implications of civil engineering and also develop independent and lifelong learning.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
  8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
  9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
  10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and the society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
  11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
  12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
- #### Program Specific Outcomes (PSOs)
13. An ability to plan, analyze design and execute projects in Civil Engineering.
  14. An ability to use latest equipment like Total Station non-destructive testing equipment and this become industry adaptable.



## Message from the Head:

It is a matter of great pride and satisfaction to me that Department of Civil Engineering is bringing out the issues of the Newsletter annually. A commendable job is done by the Editorial Team in planning and producing the Newsletter. My congratulations to the Editorial team for taking the responsibility and executing it effectively. I wish the editorial team to excel in their future endeavors and efforts. I wish that students & Staff of this department will excel in their activities.



**S. Ramesh Kumar,**  
Associate Professor,  
Head, Department of Civil Engineering

## I. Departmental Achievements



**Dr. R. Sandhya Rani** awarded Ph. D in Civil Engg. in April, 2016. Topic - Constitutive Modelling of Tropical Soils. S.V. University, Tirupati

## II. Seminars & Conferences :

### Participated

- Er. Maturi Gopala Rao 11th Endowment lecture on "Telangana Water Grid: (15th October 2015). Institute of Engineers, Hyd.
- S. Ramesh Kumar, Mr. K. Raghavendhar, Mr. G. SreenivasaRao, Dr. R. Sandhya Rani,**
- 3 - Day International Conference on "Innovations in Structural Engineering (IC-ISE-2015) (14th - 16th December 2015), Organised by Osmania University at Hotel Kthriya, Hyd.
- Mrs. Saroj Mini, Mr. R. Prashanth Kumar, Mrs. R. Sreeranjani, V. P. Vijaya Laxmi**
- Skill Development Programme On Soil & Water Assessment Tool Modelling (Swat - 2015) 6th to 8th July 2015, JNTU, Hyd.
- Mr. G. Sreenivasa Rao, Mrs. G. Padmaja**
- All India Seminar on " Geosynthetics in Natural Disaster Mitigation" 29th& 30th December 2015, Institute of Engineers, Hyd.
- Dr. R. Sandhya Rani**
- National Seminar on " Science & Technology for Indigenous Development in India" 22nd to 24th February 2016, RBVRR College, Hyd.
- Dr. P. Pradeep Kumar, Mr.S.Praveen**
- National Programme on Technology Enhanced Learning(IIT Madras) 7th July 2016, IIT Madras, Chennai.
- Dr. P. Pradeep Kumar**

## III. FDP

### Workshops

- Course on "Modelling with Transportation Data (MTD)" (8th to 12th June 2015), IIT Roorke.  
**Mr. S. Ramesh Kumar, Mr. G. Narendra Goud**
- 3- Day National Workshop On "Computational Methods In Fluid Dynamics (Cmfd 2015) 16th - 18th December 2015, MED,MVSREC, Nadergul Hyd.  
**Mr. G. SreenivasaRao, Mrs. Swetha Kaushik, Mrs. G. Padmaja**
- One day Workshop on "Engineering graphics using AUTOCAD" 9th October 2015, MECS. Saidabad, Hyd  
**Dr. R. Sandhya Rani, Mrs. G. Padmaja, Mrs. A Hyma, Mr. V. Shiva Chandra**
- One week refresher Course on "Engineering Mechanics18th - 24th June 2016, CED, MVSREC, Hyd.  
**Mrs. A Hyma, Ms. S Swathi, Mrs. SwethaKaushik, Dr. P. Pradeep Kumar, Mr. S. Praveen**
- 3- Day National Workshop on " Urban Traffic and Transportation Planning Perspective for Smart Cities" 20th to 22nd January 2016, VNRVJIT, HYD.  
**Mrs. Swetha Kaushik, Mr. V. Shiva Chandra, Mr. S. Praveen**
- National Workshop on " Assessment & Mitigation in Liquefaction hazards for Seismic Microzoniation 27th& 28th November 2015  
**Dr. P. Pradeep Kumar**
- Three Day Workshop Program on " Engineering Graphics using AUTO CAD" 21st July - 23d July 2016, MECS. Saidabad, Hyd  
**Mr. S. Praveen**

## Introduction To New Staff



T.Naveen Kumar, Alumni joined department of civil engineering as Assistant professor in march 2016. He has completed his M.Tech(structures) from JNTUK. His thesis is on Rehabilitation of structures and has experience of five years in structural design Industry.

## Paper Publications

### Dr. R.C. Reddy

- An experimental study on mechanical properties of human hair fibre on reinforced concrete (M-40 Grade)" published in IOSR Journal of Mechanical and Civil Engineering (IOSR\_JMCE) July - Aug 2015 (International Journal

### Mrs. Swetha Kaushik

- An experimental study on mechanical properties of human hair fibre on reinforced concrete (M-40 Grade)" published in IOSR Journal of Mechanical and Civil Engineering (IOSR\_JMCE) July - Aug International Journal 2015.





Alumni Corodinators with Principal & EC members

M V S R Engineering College, since 1981, is making significant contribution towards the excellence in engineering education and has always maintained high standards in imparting technical knowledge to the students. The "M V S R Engineering College Alumni Association (MVSRECAA)" is started as early as 1995 and the association is continuing in a somewhat informal manner. The association is formed to provide a forum for the alumni to interact & share the information. College is proud of its alumni who are spread all over the globe and distinguished themselves in various fields of technology and made significant contributions to their organizations. The college is fortunate in having dedicated alumni who are

generous in sparing their time and experience in promoting the college. College welcomes the assistance of those alumni willing to share their experiences with students. It has been the tradition of the college to felicitate distinguished alumni on the occasion of Engineer's day i.e., on September 15th, the birth day of Sir Mokshagundam Viswesrayya. Also several alumni delivered guest lectures on various occasions.

Upon graduation from the college, each alumnus shall automatically be a member / life member of the MVSRECAA. Anyone interested in the activities of the alumni association and agrees with objectives of the association is eligible to become Patron.

### Editorial Team

- Mr. A. Sanjay Kumar, Assistant Professor, CED MVSREC.
- Ms. S. Swathi, Assistant Professor, CED MVSREC.

#### ➤ 4/4 CE

Roll No.	Names
• 2451-13-732-043	----- Y. Meghana
• 2451-13-732-052	----- V. Rahul Bhargav
• 2451-13-732-063	----- P. Vaaghdevi
• 2451-13-732-305	----- V. Dharam Tej

#### ➤ 3/4 CE

Roll No.	Names
• 2451-14-732-108	---- T. Aishwarya Reddy
• 2451-14-732-118	---- B. Vineetha Evangeline
• 2451-14-732-080	---- K. Kiran Kumar