

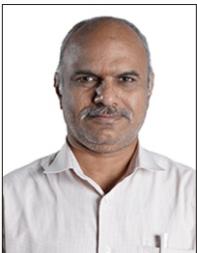


**Prof. D.V.SATYANARAYANA MURTHY** After serving nearly a decade in Department of Space at Sriharikota as Scientist/Engineer, joined the Civil Engineering department of SVUCE as Reader in Civil Engineering on 4 November, 1992. Since then he involved in teaching UG and PG courses in various subjects Surveying, Remote Sensing and allied subjects. He was promoted as Professor with effect from 01-02-2012. he worked as Chairman, Pass Board and Head of the Department of Civil Engineering.



**Dr. CH. SUDHA RANI** is a Professor in the Geotechnical Engineering Division of Department of Civil Engineering at SV University. She Joined Sri Venkateswara University in 2007 as Associated Professor and promoted as Professor in 2013. She has 20+ years of teaching and 15 years of research experience. She teaches undergraduate and graduate-level courses. Her research interests include Ground Improvement Techniques, Geo-Environmental Engineering and AI applications in Geotechnical Engineering.

She has about 30 publications International and national journal publications and about 20 conference papers. She served as member for Board of Studies (UG, Pass) for Civil Engineering, S.V.University and at present she is the Chairman for UG Board of studies (Civil Engineering), S.V.University and also member of Board of studies for various Engineering colleges in A.P., India. She has guided 30 M.Tech Students and 2 Ph.D. students and 6 more Ph.D students are working under her guidance. She is actively involved in several Consultancy services to various state government and private organizations. She is life member of various professional bodies such as IEI, IGS, ISH, ISTE, ISC, ISRM TT, DFII etc.. She has served as Deputy Warden, Additional Chief Superintendent, Coordinator Exams, Member in several committees at University level, College level and Department level.



**Prof. D.V.PRASADA RAO** Obtained Ph.D from IIT, Madras, Chennai with Structural Engineering as specialization. Presently, working as a Professor and research areas of interest includes Steel Hollow Sections Beam-to-Column Connections, Repair, Rehabilitation and Retrofitting of Structural Components, Earthquake Resistant Design of Structures and New Materials for Concrete Preparation. Completed a Major Research Project titled "Moment-Rotation Characteristics of Rectangular Hollow Section Beam-to-Circular Hollow Section Column Connections" funded by UGC, New Delhi. Guided 30 M.Tech students for their dissertation. Published 32 research papers in International Journals, International Conferences and delivered lectures in Training Programmes organized by educational institutions. Life Member of Indian Society for Technical Education, Indian Concrete Institute, and Fellow of The Institute of Engineers (India). Member of BOS of various Engineering Colleges. Coordinator, SVU- Rashtriya Uchchatar Shiksha Abhiyan (RUSA 1.0) from April 2017.



**Dr. N. MUNILAKSHMI**, working as Assistant Professor, in the Department of Civil Engineering, with specialization in Environment Engineering with an experience of 20 Years. She is having around 26 international journals and presented 10 papers in different international conferences, attended 33 workshops, presented 8 papers in national conference, published 3 chapters in different books, attended 35 Faculty Development programmes. Attended 43 National and International conference/ Webinars. Guided around 14 post-graduate students for their M.Tech degrees. Completed AICTE MODROBS project of Rs.11.2 Lakhs. Acted as Officer Incharge of Environmental Engineering Laboratory. Acted as third party compliance member under "easy of doing business" of APPCB and visited 35 industries. Acted as deputy warden to S.V.University women's hostel. Acting as dual degree coordinator of civil engineering department, S.V.U.College of Engineering. Acting as city voluntary technical corp to Tirupati Municipal Corporation. Doing consultancy work in Environmental Engineering Division. Delivered guest lectures in different organizations namely APPCB, Andhra University etc. Received one prize for best technical paper and have membership in different professional bodies. She got 2 awards namely Inspiring Best Educationalist Award - 2022 from GEEDF National Leadership Awards - 2022 and Acharya Devobhava National Award from Way Foundation.



**Dr. S.ARUNA JYOTHY** is working as Assistant Professor in the Department of Civil Engineering, with specialization in Hydraulics and Water Resources Engineering and having 15 years of experience. She is having 01 book chapter publication, 30 research publications in refereed national and international journals and has presented technical papers in 17 national and international conferences. She has guided 14 B.Tech. projects and 08 M.Tech. Projects. She is a recipient of 3 prizes/awards which include "The Union Ministry of Water Resources – Department of Irrigation Prize" in 2012, "Rekha Nandi and Bhupesh Nandi Prize" in 2013 by Indian Engineering Congress and "Best Paper Award -2015" on February 18th, 2018 by Indian Water Resources Society, Roorkee. She is a Life Member of Indian Association of Hydrologists, Roorkee (India) and Life Member of Indian Science Congress Association under Engineering Sciences Section, Kolkata (India).



**Dr. B.MADHUSUDANA REDDY** did his M.Tech. (Structural Engineering) and Ph.D from Sri Venkateswara University, Tirupati. Before he joined as Assistant Professor, in the department of Civil Engineering, SVUCE in the year 2007 July, he had '14' years of experience as Civil Engineer in the fields of Execution as well as Structural Designs. He got selection as an 'Assistant Executive Engineer' in the Engineering Dept. of Tirumala Tirupati Devasthanams, Tirupati, Andhra Pradesh in the year 1999. He worked there for '8' years. Later, he turned his profession in to teaching because of his passion over the profession. July-2007 being a faculty, besides teaching for UGs and PGs in Structural Engineering subjects, he actively involved in the departmental consultancy too. Wherein, he looks after testing of construction materials, Concrete Mix designs and Health assessment of aged and doubtful structures. He has acted as a resource person for the training programs of employees of various Govt. departments and also involved in the programs for dissemination of research outcomes among the construction industry personnel. His research interests cover economical Design of RCC and Steel structures, innovating construction materials and their utilization for Repair, Retrofitting and Rehabilitation of structures.



**Dr. T. HEMALATHA**, working as a Assistant Professor in Department of Civil Engineering, S. V. University College of Engineering, S. V. University, Tirupati since July 2007. She received her master degree in Water Resources Engineering at National Institute of Technology, Warangal and Ph.D (Doctorate) degree from S.V. University College of Engineering, Tirupati. She has 15 years of Teaching and research experience. Her main research area of interest are Groundwater studies, Drought assessment, Rainfall-Runoff analysis, Application of Remote Sensing and GIS in Water Resources Engineering. She has published many research papers in international journals and national journals. She has guided 7 M.Tech projects and 12 B.Tech projects. She is a life member of various professional bodies like Indian Association of Hydrologists, Roorkee (India) and Indian Science Congress Association, Kolkata (India). She is member of various committees in department level and college level. She has attended various workshops, seminars and conferences at National level.



**Sri. D.SREEHARI RAO**, working as a Assistant Professor in Department of Civil Engineering, S.V. University College of Engineering, S.V. University, Tirupati since July 2007. He received his Masters in Structural Engineering. He has 15 years of teaching and research experience. He has published many research papers in National and International journals. He is a member of various Professional Bodies. He has attended various conferences / Workshops / Seminars at National and International Level. He guided number of M.Tech students for their M.Tech Degrees.



# Department of Civil Engineering



**S.V. COLLEGE OF ENGINEERING  
SRI VENKATESWARA UNIVERSITY**

**TIRUPATI - 517 502.  
www.svuniversity.edu.in**

## ABOUT THE DEPARTMENT

- Established in the year 1959.
- Largest department in the University
- Well qualified & experienced faculty
- Meritorious students, regular conduct of students activities, field visits, internships participation of students in various activities in other Institutions.
- Good research environment with laboratories of state-of-the-art equipment.
- Good Alumni Support
- Faculty actively involved in teaching, research, consultancy and extension programs and also interaction with outside world.

## VISION OF THE DEPARTMENT

To produce globally competitive and committed Civil Engineers with ethical values to cater to the needs of the society and strive for sustainable development through research and innovation.

## MISSION OF THE DEPARTMENT

- To impart quality education with the support of the state-of-the-art infrastructure and qualified faculty.
- To inculcate inquisitiveness, infuse training and research for the societal development.
- To address growing needs of sustainable infrastructure development.
- To provide technical advice and support to the industry.
- To provide awareness of global economic problems and contribute to Nation building.
- To provide entrepreneurial skills for the upliftment of the country.

## STUDENT PROGRESSION

Most of the students are placed in leading core and software companies with good emoluments. About 80% of students get qualified in GATE and about 40% secure admissions in institutions of National repute such as IITs, NITs and other premier institutions.

Good number of students go abroad for higher education every year. Students undergo internship in industries/ Govt. institutions / Departments apart from organizing and participating in student seminars.

## STUDENT ACTIVITIES

Students conduct the following activities every year under the aegis of Civil Engineering Association.

- National Level Student Technical Symposium "CREADORS"
- Seminars, Quizes, Mock Tests, Mock interviews, Group Discussions, Debates, Sports & Cultural Events etc.

## CONSULTANCY SERVICES

The department has the expertise to offer consultancy services in all major fields of Civil Engineering. Following are the few details of the consultancy services offered to various Government, Quasi-Government, Public and Private Sector Organizations.

- Slope Stability Analysis for Railway Projects for South Central Railway
- Design of Pavement for TTD Ghat Road.
- Restructuring of Internal Roads for Lanco Industries, Tirupati.
- Comprehensive Report on Storm Water Drainage System for Tirupati Municipal Corporation
- Design of Canals and canal Structures for TGT, GNSS and HNSS.
- Design of Waste Water Treatment plants for more than 30 industries
- Retrofitting of TUDA buildings.
- Design of Multi-storeyed and Industrial Buildings in and around Chittoor District.

- Load Test for Bridges and Public Buildings
- Suggested of Construction activities of secured land fill at Rapur.
- Water and Waster analysis for samples from TTD, Government organisations, Public Sectors.

## HEAD OF THE DEPARTMENT

Prof. D.V.Prasada Rao

## CHAIRPERSONS OF BOARD OF STUDIES

P.G. - M.Tech - Prof. I.V. Ramana Reddy  
U.G. - B.Tech - Prof. Ch. Sudha Rani

## COURSES OFFERING

1. U.G. - B.Tech : Regular & Self Supporting Course
2. P.G. - M.Tech : Structural Engineering and / or Environmental Engineering, Geotechnical Engineering and / or Water Resources Engineering.
3. Ph.D. Programme in all specializations

## LABORATORIES IN THE DEPARTMENT

1. Environmental Engineering Laboratory
2. Geotechnical Engineering & Biomediation Laboratory
3. Hydraulics and Fluid Mechanics Laboratory
4. Structural Engineering Laboratory
5. Surveying Laboratory
6. Transportation Engineering Laboratory
7. Computer Laboratory
8. CAD Laboratory
9. Engineering Geology Laboratory

## Ph.Ds AWARDED

Total Number of Ph.D's awarded - 76

## CONFERENCES / SEMINARS / WORKSHOPS ORGANISED

A Number of international and national workshops / seminars / conferences were conducted since the inception of the department.

- A Two Day National Conference on "Emerging Technologies in Civil Engineering" (ETCE-2019), on 22<sup>nd</sup>-23<sup>rd</sup> February, 2019.
- One Day Workshop on "Geotechnics of Expansive Soils" on 21<sup>st</sup> December, 2019. (under TEQIP III).
- One Day National Workshop on "Precast Construction Technology (PCT)" on 7<sup>th</sup> March 2020.
- One Day Seminar on "Recent Trends in Civil Engineering for Infrastructure Development" on 24<sup>th</sup> April, 2021(online).
- One day webinar on "Impacts of Climate Variability on Sustainable Water Resources Planning an Management" on 28<sup>th</sup> July, 2021

## CENTRES ATTACHED TO THE DEPARTMENT

- Centre for Rural Development and Appropriate Technologies (Ce RDAT) was established as an extension centre of the Department of Civil Engineering in the year 1989 with the financial support from MHRD. Ever since its inception, it has been contributing to realize its objectives to transfer appropriate technologies through different programs. The centre has organized a good number of training programs to the organized and unorganized sectors of the community. As many as 2500 rural unemployed youth were trained in different trades and are able to pursue their technical professions efficiently.
- Water Technology Centre (WTC) is yet another major initiative of the Department of Civil Engineering. The Centre was created with the financial support of UGC under SAP and COSIST in the year 1993 to focus on identifying water resources in the drought prone region of Rayalaseema. It endeavors to assist and guide the agencies concerned with water resources identification, quality studies and corrective measures.

## FACULTY PROFILE



**Dr. J. KARTHIKEYAN** did his bachelors from S.V. University and obtained Master's and Doctoral degrees from I.I.T., Kanpur, with specialization in Environmental Engineering. He worked as Professor of Civil Engineering Department, S. V. University. He actively involved in both UG & PG teaching, research and rendered Consultancy services to various public and private agencies in the field of Environmental Engineering. Areas of research include dye Color removal by coagulation, adsorption, advanced oxidation processes, solid waste management

and Air Pollution Control. He also worked as principal of S.V.U. College of Engineering. He has published more than 100 publications in journals and conferences, guided several Masters and Doctoral candidates. He acted as third party compliance member of APPCB under Ease-of-Doing business. Was a Visiting Professor at Brandenburg Technical University, Cottbus, Germany (one year), Asian Institute of Technology, Bangkok (one semester), Pan African University Institute of Water and Energy Sciences (including climate change), Algeria (three times), Indian Institute of Technology, Tirupati (two semesters). Received two national awards and one international award from Stockholm International Water Institute, Stockholm, Sweden, visited several countries on academic invitation/assignment.

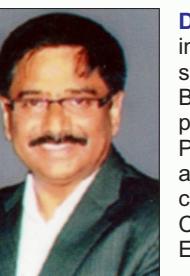


**Dr. P. MALLIKARJUNA** joined as Lecturer in the department of Civil Engineering in 1985. He was promoted as Reader in 1989 and Professor in 1998. He has an experience of 36 years teaching various courses of Hydraulics and Water Resources Engineering to undergraduate and postgraduate students. He held various academic and administrative positions such as Chairman, BoS (UG and PG), HoD, Vice-Principal, Principal, Dean and Member, Academic Senate. He guided five Ph.D. Scholars, fifteen M.Tech. Dissertation

Works and authored more than fifty technical papers published in prestigious national and International journals and conferences. He received Best Research Paper Awards for the technical papers published in Indian Water Resources Society (IWRS) in 2015 and the Institution of Engineers (India) in 2013 and Union Ministry of Water resources – Department of Irrigation prize in 2012. He is the Coordinator of UGC SAP during 2002-2004 and COSIST during 2005-2006, Water Technology Centre. He is a Fellow of Institution of Engineers (India), Member of Indian Society for Hydraulics, Indian Water Resources Society and Indian Society for Technical Education. He is recipient of "State Award for the Best University Teacher" by Higher Education Department, Government of Andhra Pradesh and Engineer of the Year Award by the Institution of Engineers (India), Tirupati Local Center in 2016. He rendered consultancy services to various Government Organizations.



**Dr. G. N. PRADEEP KUMAR** Professor M.Tech, Ph.D. Born on 14th June, 1961 to Late Sri. GVN Murthy and Late Smt. Pramila bai in Tirupati, had Graduation, Post-graduation and Doctorate from SV University College of Engineering. He was First ranker and Gold Medalist in his graduation and post-graduation. In addition to being an academician, held various administrative positions like Principal of the College, Director of SVU Engineering Department, Chairman BOS UG and PG, Member of various professional bodies, academic bodies and PSC selection boards, including Jammu and Kashmir. He has a good number of publications (National and International) to his credit. One of the M.Tech. thesis guided by him was awarded best thesis. For his outstanding contributions in different fields, including academics and administration, he was awarded 'BEST TEACHER' at State level, in addition to 'Eminent Engineer'.



**Dr. K. NAGENDRA PRASAD** joined as lecturer in the Department of Civil Engineering in 1989. He secured his Ph.D Degree in 1996 from the IISC, Bangalore. He rose to the position of associate professor in 1994 and professor in 2004. Professor held various positions of academic and administrative responsibilities such as registrar, in-charge Vice-Chancellor, Vice-Principal, HOD, Chairman and secretary in various National Engineering Bodies. He is recipient of "State

Award for the Best University Teacher" by Higher Education Department, Government of Andhra Pradesh in 2010 and "State Award for the Engineer of the year" 2011 by Government of Andhra Pradesh and institution of Engineers India, Andhra Pradesh Government of Andhra Pradesh and Institution of Engineers India, Andhra Pradesh State Centre. He was instrumental in initiating consultancy services by Civil Engineering Department and rendered services to various clients of Government and Semi-Government Agencies and also initiated India Geotechnical society, Tiruati chapter.

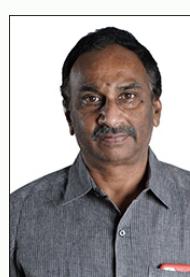


**Dr. K. MALLIKARJUNA RAO** obtained his Ph.D. from IIT Madras, Master's degree from JNTU Kakinada, and Bachelor's degree from JNTU, Anantapur. He joined S.V.U. College of Engineering as Lecturer in 1992 and rose to the position of Associate Professor in 2001 and of Professor in 2007. He is a fellow of Institution of Engineers (India) and the Indian Geotechnical Society. He has been consultant to several government, public, and private sector organisations. He has contributed several articles in the referred International and national journals and Conferences. His areas of interest include ground improvement using chemical admixtures & marginal materials, foundations for offshore structures, cost effective foundation practices in expansive soils, bioremediation of soils, reliability-based design and applications of soft computing tools in Geotechnical Engineering.



**Dr. I. V. RAMANA REDDY** is a professor in the Structural Engineering division and he obtained his Ph.D. degree in the year 2002 from S.V.University. He joined the Department of Civil Engineering; SV University in the year 1992. Later on, was promoted as Associate Professor in the year 2001 and finally became Professor during 2007. He teaches undergraduate and graduate-level courses mainly in the areas of Structural Analysis, RCC, and Finite Element Method. His research interests cover Self Compacting Concrete, Self Curing Concrete, Non-Destructive

Testing of concrete, High-Performance Concrete, Geopolymer Concrete, and the use of supplementary cementing materials. Under his guidance so far 12 number of Ph.D Students awarded their Doctorial Degree. He has publications more than 50+ international journal publications, 20+ national journal publications, and about 20+ conference papers. He is also a member of the Board of Studies for various Colleges. He is actively involved in several Consultancy services to various state and central government and private organizations like A.P Health Medical, APTIDCO, TUDA, Police housing board e.t.c., Building Committee Member for various Institutions. He is also an active member of various professional bodies such as the Indian Society for Technical Education (MISTE) and The Institution of Valuers F.I.V. He is recipient of "State Award for the Best University Teacher" by Higher Education Department, Government of Andhra Pradesh. 159th BHARATA RATNA SIR MOKSHAGUNDAM VISVESVARAYA felicitation by The Institution of Engineers (India) on 15-09-2019 and ACCE(I) EMINENT ENGINEER 2022 award by Association of Consulting Civil Engineers (INDIA).



**Dr. M. SRIMURALI** is Professor in Civil Engineering Department of Sri Venkateswara University, Tirupati. Holds Masters Degree in Environmental and Public health Engineering and obtained Doctoral Degree in research area of Wastewater Treatment. He actively involved in both UG&PG teaching, research and offered Consultation services to various public and private agencies in the field of Environmental Engineering. Areas of research include Color Pollution Control, Application of Physicochemical processes for Treatment of Water and Wastewater, Impact of Aquaculture, Aquaculture Wastewater Treatability Studies, Bioremediation, Defluoridation Studies and impact of Climate change-elevated atmospheric CO<sub>2</sub> on crops yield. Actively associated in Curriculum design as a BoS Chairman and Member for various Engineering Colleges. Serving as a Task Force Member of Andhra Pradesh Pollution Control Board (APPCB), Govt. of A.P for the past five years. He has 36 Peer reviewed international journal publications, four book-Chapter publications, 20 International Conference Papers and filed one Patent to his Credit. In year 1998, he was the recipient of excellent article prize from Indian Water Works Association for the published work. He was a Coordinator for TEQIP II 1.2 World Bank Project-1250 Lakhs for a period of two years.