



# Nirmaan

**The Newsletter**  
**Department of Civil Engineering**  
**Vasavi College of Engineering**

Issue 1 Volume 1

December 2013—June 2014

## OUR VISION

To strive for excellence and to make the students as better citizens with technical knowledge and social awareness

## OUR MISSION

To educate the students in the state of art technology in civil engineering to fulfill the growing needs of the society.

## ABOUT THE DEPARTMENT

The department has 22 members of faculty and 15 members of supporting staff. The areas of teaching expertise of the faculty include various specializations of Civil Engineering such as Structural Engineering, Geo-technical Engineering, Water Resources Engineering, Transportation Engineering, Environmental Engineering and Engineering Geology. The Department has nine full-fledged Civil Engineering laboratories in addition to a Centre for Geomatics. The Department also has in its gamut an exclusive computing facility with the latest software in Design, Planning and Management, Remote Sensing, GIS, Land & Water Management, etc.

## From HOD's Desk...

I am happy to present the first issue of the newsletter 'Nirmaan'. This newsletter outlines the various activities and achievements of the faculty and students of the Department. The autonomy status achieved recently by the college provided the right opportunity for the Department to surge ahead along the path of excellence with renewed vigour and enthusiasm. I request the enthusiastic help and support from the students, faculty, parents, industry partners and alumni to make us succeed in our task. Your feedback (by email, phone or by personal contact) will be highly appreciated. I thank the editors of the newsletter for their good work.



**Dr. B. Sridhar**  
**Head of Department**

*"Anything that is being done can always be done better."*

*- Henry Ford*

*"Engineers like to solve problems. If there are no problems handily available, they will create their own problems."*

*- Scott Adams*

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## Editorial Team

**Dr. B. Sridhar,**  
 Head of Department

**Dr. M.V. Rama Rao,**  
 Professor

**Sri M. Bhaskar,**  
 Associate Professor

**Dr. K.Jayasree,**  
 Assistant Professor

**Mrs. Kumari Koustuvee,**  
 Assistant Professor



## FACULTY PROFILE

Names	Designation	Qualification
Dr. B. Sridhar	H.O.D.	M.Tech, Ph.D. (Transportation Engineering)
Dr. B.L.P. Swami	Professor	M.Tech, Ph.D. (Structural Engineering)
Dr. M.V. Rama Rao	Professor	M.Tech, Ph.D. (Structural Engineering), Post Doctoral Fellow
Sri. M. Bhasker	Associate Professor	M.Tech (Structural Engineering)
Sri. G. Shravan Kumar	Associate Professor	M.Tech (Water Resources Engineering)
Dr. M. Srinivas	Associate Professor	M.Sc, Ph.D. (Geology)
Sri. D. Swamy Gupta	Associate Professor	M.E. (Structural Engineering)
Dr. T. Srinivas	Associate Professor	M.Tech, Ph.D. (Structural Engineering)
Sri. C. Mohanlal	Associate Professor	M.Tech (Structural Engineering), M.Tech (CSE)
Sri. S. Vijaya Kumar	Associate Professor	M.Tech (Structural Engineering)
Sri. M.V.S.S. Sastri	Associate Professor	M.Tech (Structures Engineering)
Mrs. D.Kiranmaye	Assistant Professor	M.Tech (Geo- Environmental Engineering)
Sri. Siddharth Banerjee	Assistant Professor	M.S. (Construction Management)
Dr. K. Jayasree	Assistant Professor	M.Tech, Ph.D (Transportation Engineering)
Mrs. Kumari Koustuvee	Assistant Professor	M.E. (Soil Mechanics & Foundation Engineering)
Mrs. P.Dhatri	Assistant Professor	M.Tech (Transportation Engineering)
Mrs. Aswari Sultana	Assistant Professor	M.Tech (Geotechnical Engineering)
Mrs. B.Prakruthi Gowd	Assistant Professor	M.Tech (Structural Engineering)
Mr. B. Narender	Assistant Professor	Ph.D. Submitted
Ms. P. Archana	Assistant Professor	(M.E.) (Structural Engineering)
Mr. B. Naveen	Assistant Professor	M.Tech (Structural Engineering)
Mrs. P.N.V.S.Srirekha	Academic Assistant	B.Tech (Civil Engineering)

## CONFERENCES AND WORKSHOPS ORGANISED

A two day National Conference on “*Advances in Civil Engineering and Infrastructure Development (ACEID-2014)*” was conducted during 6-7 February, 2014 under TEQIP-II. Er. S.P.Anchuri, Chairman, Indian Concrete Institute, AP Hyderabad Chapter was the Chief Guest. The inaugural session was held in the presence of Mr. P. Rama Mohan Rao, President, Vasavi Academy of Education, Dr. I. V. Rao, Director and in-charge Principal, Dr. B. Sridhar, HOD, Sri. G. Shravan Kumar, Convenor and Prof. G.V. Ramanamurthy, TEQIP-II co-ordinator. Forty seven papers were presented in five technical sessions. Three keynote addresses were delivered by Er. MD. Ziauddin, Chief Engineer, HMR, Dr. B.L.P.Swami, Professor, Department of Civil Engineering, Vasavi College of Engineering and Dr. R. Pradeep Kumar, Professor & Head, Earthquake Engineering Research Centre, IIT Hyderabad respectively. The valedictory session was presided over by Prof. T.V.Subba Rao, Vice President, Vasavi Academy of Education.



A one day workshop on “*Geotechnical Aspects in Civil Engineering (GACE - 2014)*” for B.E. 4/4 & 3/4 Civil Engineering students was conducted on 13th February, 2014 under TEQIP-II. Prof. M.R.Madhav enlightened the students with his talk on “Geotechnical Engineering – An exciting experience”. Dr. D.Babu Rao, former Professor & Head of Civil Engineering, OU College of Engineering spoke on “Foundations for Tall Buildings Resting on Rock in Hyderabad” and “Soil Exploration – Geotechnical Investigations”. Dr. B.Umashankar, Assistant Professor, IIT, Hyderabad delivered a lecture on “Recyclable Materials in Geotechnical Engineering”. Dr. M.V.S.Sridhar, Assistant Professor, OU College of Engineering addressed the students on “Off-shoring Structures – Geotechnical Engineering”.

## GUEST LECTURES ORGANISED

- \* An interaction session of Civil Engineering Faculty members with Prof. Nagesh R. Iyer, Director, CSIR-Structural Engineering Research Centre, Chennai was organized on 04.01.2014.
- \* Career Guidance by Er. N.Mavul Rao (Alumni 1998), Regional Manager-II (Technical Services), M/s. JAYPEE Cement Corporation Ltd for B.E. 3/4 Civil Engineering Students was organised on 31.01.2014.
- \* An orientation session on Research opportunities for Faculty of Civil Engineering by Prof. K.Srinivasa Raju, Professor, BITS-Pilani, Hyderabad Campus was organized on 01.02.2014 under Co-curricular activities.
- \* A session on "Career Guidance & Tips for Interview" by Mr. Korlepara Ravi Teja (Alumni 2013), Graduate Engineer Trainee, L & T Pvt Ltd., Faridabad was organised on 24.02.2014.
- \* An expert lecture on "Precast Construction – Present Scenario" by Er. C.Anjaneya Prasad, P.S. Engineering Consultants, Hyderabad was organised under ICI Students' Chapter on 01.03.14. Students of B.E. 3/4 & 4/4 Civil Engineering participated.
- \* A lecture on "Career Guidance" by Er. P.Surya Prakash, President, Association of Consulting Civil Engineers (India) was organized on 06.03.14 for students of B.E.3/4 Civil Engineering.
- \* A faculty presentation on "Structural Optimization using Genetic Algorithms" by Sr C. Mohanlal, Associate Professor, Department of Civil Engineering, VCE was organised on 06.03.14. Students of B.E. 3/4 Civil Engineering participated.
- \* A lecture on "Career Guidance and Personality Development" by Mr. Amar Yeddula, Plant Manager, Philips Lighting, Tupelo Factory, USA (1998 passed out batch) was organised on 12.03.14. Students of B.E. 3/4 Civil Engineering participated.
- \* A guest lecture on "Bond Strength of Rebars in Reinforced Concrete" by Dr.G. Appa Rao, Associate Professor, Department of Civil Engineering, IIT Madras was organized on 14.03.14 for students of B.E. 3/4 Civil Engineering.
- \* An interaction session on R & D Research activities by Dr. P.V.Vijay, Asst. Prof., Department of Civil & Environmental Engineering, West Virginia University, USA was organized on 14.03.14. for faculty of Civil Engineering Department .
- \* An interaction session of B.E. Final year students with B.E. I Year Civil Engineering students was organised on 18.03.14. and with B.E. 2nd Year Civil Engineering students on 03.04.2014.
- \* An expert lecture on "Construction Practices" by Mr. B.V.R.K.Swamy, Territory Technical Service Manager, Ultra Tech Ltd., Hyderabad was organised on 03.04.14. Students of B.E. 4/4 Civil Engineering participated.
- \* A seminar on "Introduction to Finite Element Method" by Mr. Vineet Ravula, B.E. 4/4 Civil Engineering student was organised on 04.04.14. Students of B.E. 2/4 Civil Engineering participated.



## FACULTY ACHIEVEMENTS



Dr. M.V.Rama Rao, Professor in Civil Engineering presented a research paper at the 6th International workshop on Reliable Engineering Computing conducted at Illinois Institute of Technology, Chicago during May 25-28,2014.

Dr. B.L.P.Swami, Professor in Civil Engineering delivered a technical lecture on "Cement & Concrete Composites" as part of 75th foundation day of M/s. ACC Cement Ltd. He was felicitated with a citation in recognition of his services to Nation.



He is one of the two Indians in the International Scientific Committee of conference.

Dr. M.V.Rama Rao, Professor in Civil Engineering visited the Department of Civil Engineering, University of South Carolina, Columbia, USA during June 2-8, 2014 for research collaboration with Professor Robert Mullen, the Chairman of the Department. He delivered a lecture on 'Advances in Interval Finite Element Method' at the Department.

Dr. M.V.Rama Rao, Professor in Civil Engineering was a member of the International Program committee of International Conference on Informatics, Electronics and Vision (ICIEV14), 23-24 May, 2014, Dhaka.

Dr. M.V.Rama Rao, Professor in Civil Engineering was a member of Technical Committee of the Fourth International Symposium on Infrastructure Engineering in Developing Countries (IEDC-2013), Karachi, Pakistan, 26-28 December, 2013.

## FACULTY ACHIEVEMENTS

Sri.C.Mohanlal, Associate Professor in Civil Engineering attended the International Conference on Structural Engineering and Construction Management (ICSECM-2013) conducted by University of Peradeniya, Kandy, Sri Lanka and presented the papers 'Optimal Design of a Retractable Roof Structure using Real Coded Genetic Algorithm with Hybrid Mutation Operator' and 'Utility of Hybrid Mutation Operator in Read Coded Genetic Algorithm for Optimization problems'.

Four papers are published by faculty members in four international journals.

Twenty two technical papers are presented by faculty members of the Department in National and International conferences.

## ALUMNI ACTIVITY



Silver Jubilee Reunion was celebrated by 1989 FDH batch of Civil Engineering during December 28-29, 2013. 27 Alumni along with their families have attended the function. Mr. M.Bhasker, Faculty in Civil Engineering Department addressed the event and congratulated the alumni for successful conduct of the event.

Mr. Venkat Duddukuri, President, Genems Software, Hyderabad (Alumni 1986) delivered a lecture on "Career Guidance" for B.E. 1/4 Civil Engineering students. He talked about the importance of learning management system and updating of knowledge.

## INDUSTRIAL VISITS



Department of Civil Engineering organized industrial visits for B.E. 4/4 Students on 21.12.2013 to two industries i.e, M/s Patil Rail Infrastructure Pvt Ltd and M/s Robo Silicon Pvt Ltd.

Industrial tour for B.E. 3/4 Civil Engineering students was arranged on 06.01.2014 to M/s. Lanco Infra M.S. Buildings and M/s. Vertex Pvt. Ltd, Hyderabad.

## STUDENT ACHIEVEMENTS



Ch .Srinivas Rao, B.E. 4/4 (2013-14) Civil Engineering student was awarded a cash prize for obtaining the highest marks in the subject of 'Concrete Technology' by M/s. Ultratech Cements Ltd on April 3, 2014.

N.Sriram Reddy, B.E. 3/4 Civil engineering student was awarded First Prize in a National Level Technical Symposium "*Sthapatya'14*" for the event Tech Quiz held on 14-15th March, 2014.

Many Civil engineering students from B.E. 2/4 and 3/4 participated and presented papers in different National level technical symposiums.

## ACUMEN 2014

The Department of Civil Engineering organised a National Level Technical Symposium "*ACUMEN CIVIL 2014*" on 4th January 2014. Events such as *Karta Pradarshan, Pont En Arc, Slide or glide, Apparato click, Tech Gyan, Quiz Royale* were organized. Around 200 delegates participated in the Symposium. A total of 31 technical papers were presented in three parallel technical sessions.. Nine papers were presented by delegates from outside Hyderabad viz. JNTU, GPREC, Kurnool, Amritha School of Engineering, Coimbatore etc.

