

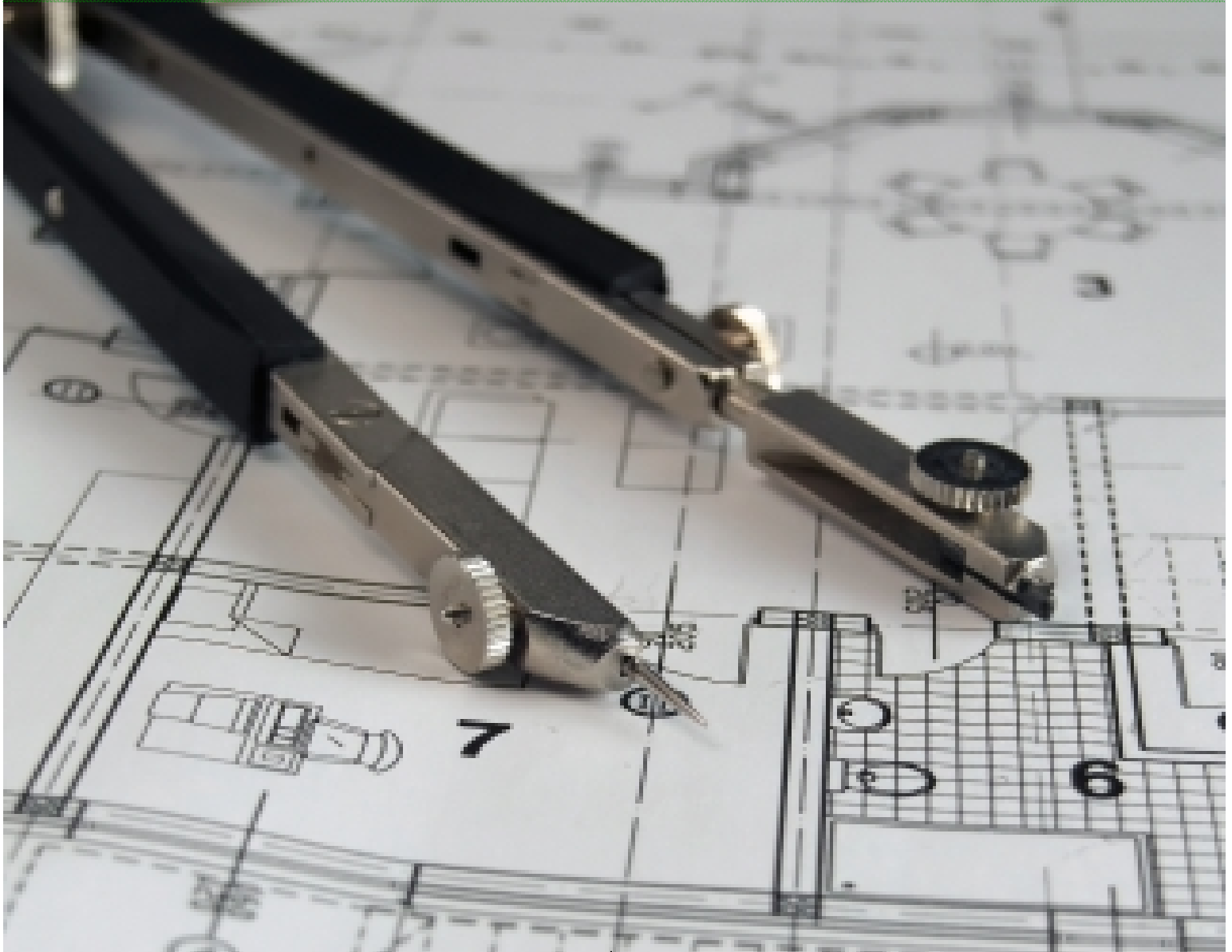
# Nirmaan

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



Volume 2 Issue 1

January 2015 - June 2015



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### College VISION

*"Striving for a symbiosis of technological excellence and human values."*

### MISSION

*"To arm young brains with competitive technology and nurture holistic development of the individuals for a better tomorrow."*

### Department VISION

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

### MISSION

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

### Editorial Team

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

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

**Sri. M.Bhasker,**  
Associate Professor

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

**Mrs. Kumari Koustuvee,**  
Assistant Professor

## From HOD's Desk...



I am very happy to present "NIRMAAN", the third issue of the biannual newsletter of the department. This newsletter outlines all the activities that took place at the department during the first half of year 2015. During this period, the college moved into the second year of autonomy. The department successfully finalised the curriculum for the second year students of Civil Engineering and also prepared the framework for the preparation of syllabus of third and final years. Efforts are on the way to deliberate on the course content for these years.

I am happy to inform everyone that our students and faculty successfully participated in a number of activities in these six months. In addition, the period is marked with organisation of field visits, conferences and workshops for students and faculty members. Several of our faculty members carried out research work and published a number of papers in national and international conferences.

I request the readers to have a look at the Program educational objectives and outcomes formulated by the department in tune with the autonomy status. Alumni have a great role to play in the progress of the department. I request the alumni to help the students in placements, professional practice schools. We are also looking for support for expert lectures, field visits and industry-institute collaboration. Any new ideas and suggestions in this regard are most welcome.

### PROGRAMME EDUCATION OBJECTIVES (PEO'S)

1. Graduates will possess a better understanding of basic sciences and the fundamentals of civil engineering to be successful in the career.
2. Graduates will acquire competence in the state of art technology to serve the industry or pursue higher studies.
3. Graduates will acquire professionalism with effective communication skills and ethical values.

### PROGRAM OUTCOMES (PO'S)

At the end of the programme, the graduates will be able to

1. Apply knowledge of basic sciences and engineering in solving the civil engineering problems.
2. Identify, formulate and analyze civil engineering problems using the principles of basic sciences and engineering concepts.
3. Design civil engineering structures with considerations for public health and safety.
4. Perform investigation of complex civil engineering projects using research based knowledge.
5. Identify techniques, skills and modern engineering tools necessary for civil engineering practices.
6. Acquire knowledge on the societal, legal and cultural issues related to construction.
7. Understand the impact of construction of civil engineering structures on environment and design the structures that provide sustainable development.
8. Adopt ethical values and professional responsibilities in the engineering practice.
9. Function effectively as an individual and as a member or leader in diverse teams.
10. Communicate effectively on civil engineering problems, write effective reports and design documents and make effective presentations.
11. Demonstrate the knowledge and understanding of civil engineering in project management, finance and working in multidisciplinary environments.
12. Engage in independent and lifelong learning throughout professional life.



### IN- HOUSE EVENTS ORGANISED

#### A National Level Technical

Symposium 'ACUMEN CIVIL 2015' was organized by the Department of Civil Engineering on 7th March, 2015. Students from various colleges like CBIT, MGIT, JNTUH, OU, GRIET, VIGNAN, VNRVJIET, CVSR, MVSR, MVSREC, CMRCET, etc participated in several activities.



#### A two day training course on

"Basics of Cement and Concrete, Reinforcement Detailing and Good Construction Practices" in association with M/s. Ultratech Cements Ltd by M/s. Ultratech Cements Ltd for B.E. 4/4 Civil Engineering students was conducted in the Department on 4th and 6th of April, 2015.



4 February 2015

#### Speaker

Mr. Arunav Mukkapati,  
CEO,  
M/s. V.S.K. Software

#### Topic

Lecture on  
"Planning and Scheduling of  
Projects using  
Microsoft  
Projects"

11 March 2015

#### Speaker

Dr. B.Umamaheshwara Rao,  
Scientist 'D',  
Central Ground Water  
Board,  
Southern Region,  
Hyderabad

#### Topic

Lecture on  
"Hydrogeology  
and Artificial  
Recharge to  
Ground Water"

11 February 2015

#### Speaker

Dr. R. Pradeep Kumar,  
Prof. in Civil  
Engineering & Head,  
Earthquake Engineer-  
ing Research Centre,  
IIIT Hyderabad

#### Topic

Orientation  
session on  
"Ethics to  
Students"

18 March 2015

#### Speaker

Mr. N.S.S Aditya Manohar  
Senior Engineer,  
L & T  
Constructions Ltd

#### Topic

Interaction  
session on  
"Onsite  
Problems and  
Construction  
Procedures"



### EMINENT VISITORS AT THE DEPARTMENT

10 April 2015

#### Speaker

Sri. Saibaba Ankala,  
Chief Engineer,  
Indian Railways  
and Metro Rail  
Hyderabad

#### Topic

Lecture on  
"Sustainable  
Design of Long  
Span  
Bridges"





## INDUSTRIAL VISITS



An Industrial visit to Nagarjuna Sagar Dam and Powerhouse for B.E. 3/4 Civil Engineering students was organized on 21st February, 2015. Two Faculty members, Sri. G.Shravan Kumar, Associate Professor and Sri. A.Siva Sai, Assistant Professor and two staff members, Mr. M.Jaganaiah, Lab Assistant and Mr. K.Gopal, Lab Technician accompanied the students.



## STAFF ACHIEVEMENTS

**Dr. C.Mohanlal**, Associate Professor in Civil Engineering was awarded Ph.D degree by the Osmania University on the topic “Optimal Design of a Retractable Roof Structure using Real Coded Genetic Algorithm”.



**Dr. B.Narender**, Assistant Professor in Civil Engineering was awarded Ph.D degree by International Institute of Information Technology, Hyderabad on the topic “Development of a Comprehensive Seismic Risk Assessment Model for Built Environment - A Case Study on Nanded-Waghala City, Maharashtra”.

## STAFF PARTICIPATION

- Dr. M.V.Rama Rao, Professor in Civil Engineering is a member of the International Scientific Committee of the 7th International Workshop on Reliable Engineering Computing (REC-2016), June 15-17, Ruhr University, Bochum, Germany.
- Dr. M.V.Rama Rao, Professor in Civil Engineering was a member of the International Program Committee of 4th International Conference on Informatics, Electronics and Vision, 15-17 June, 2015, Kitakyushu, Fukuoka, Japan. (<http://cennser.org/ICIEV/committee.html>)
- Dr. M.V.Rama Rao, Professor in Civil Engineering was invited to deliver a lecture on “Analysis of a Space Truss by Nonlinear Interval Finite Element Approach” at the National Conference on ‘Advances in Structures and Materials’ conducted by K.S. School of Engineering and Management, Bangalore on 27th April, 2015.
- Dr. B.L.P.Swami, Professor in Civil Engineering and Dr. M.V.Rama Rao, Professor in Civil Engineering respectively delivered lectures on “Gust Pressures on Tall Structures – Review of Codal Provisions” and “Non-linear Finite Element Analysis with Specific Reference to Tall Structures” at a Two Week Faculty Development Program on “Analysis and Design of High Rise Structures” (FDP HRS-2015) on 8th May, 2015 at MGIT, Hyderabad.
- Sri. S.Vijaya Kumar, Associate Professor in Civil Engineering presented a paper titled “Fibrous Micro Silica Concrete Slab-Study of Flexural Behaviour” at the National Conference on “Technological Innovations for Sustainable Infrastructure” (TISI-2015) held on 13-14 March, 2015 at NIT, Calicut. Dr. B.L.P.Swami, Professor in Civil Engineering was the co author of the paper.
- Sri. S.Vijaya Kumar, Associate Professor in Civil Engineering presented a paper titled “Strength Properties of Admixture Self Compacting Concrete with Steel Fibres of Various Aspect Ratios” at the 2nd National Conference on “Recent Advances in Civil Engineering” (RACE-2K15) held at CMR Technical Campus, Kandlakoya, Hyderabad on 31st March, 2015. Dr. B.L.P.Swami, Professor; P.Archana, Assistant Professor and P. Srirekha, Academic Assistant were co authors of the paper.
- Dr. K.Jayasree, Assistant Professor in Civil Engineering attended the National Survey Day organized by Survey of India & GIS India on 10th April, 2015 at Tourist Plaza, Begumpet, Hyderabad.
- Dr. B.Sridhar, Professor & Head, Civil Engineering Department and Dr. B.Narender, Assistant Professor in Civil Engineering attended a Two Day National Conference on “Role of Engineers in the Development of New State of Telangana (NC-REDNeST)” on 23rd and 24th January, 2015 at CBIT, Hyderabad.
- Mrs. B.Prakruthi Gowd, Assistant Professor in Civil Engineering attended a Workshop on Design of Experiments & Statistical Modelling at Indian Statistical Institute, Hyderabad from 5-9th January, 2015.



## STAFF PARTICIPATION

- Dr. B. Narender, Ms. P. Archana & Sri. B. Naveen, Assistant Professors in Civil Engineering attended a Workshop on “Recent Advances in Structural Engineering and Materials” on 14th and 15th, January 2015 at IIT Hyderabad.
- Dr. K. Jayasree, Assistant Professor in Civil Engineering attended Summer School on “Role of Communication Skills in Effective Teaching” from 8th-27th June, 2015 at UGC-HRDC, JNTU, Hyderabad.
- Sri. S.Vijaya Kumar, Associate Professor in Civil Engineering attended a Two Week Audit Course on “Research Methodology” organized by JNTUK, Kakinada from 1st-15th May, 2015.
- Mrs. P.Dhatri, Mrs. Aswari Sultana, Sri. A.Siva Sai and Ms. P.Archana, Assistant Professors in Civil Engineering attended a Workshop on “Entrepreneurial Orientation in Technical Teaching” organized by ED Cell, VCE on 7th February 2015.
- Mr. M.Ashok Kumar, Attender, CED & Mr. Syed Mohiuddin, Attender, CED participated in Caroms (Doubles) in the Inter-Engineering Colleges Staff Sports conducted by CBIT, Hyderabad on 25th April, 2015 at CBIT, Hyderabad and won first prize.

## STUDENT ACTIVITY

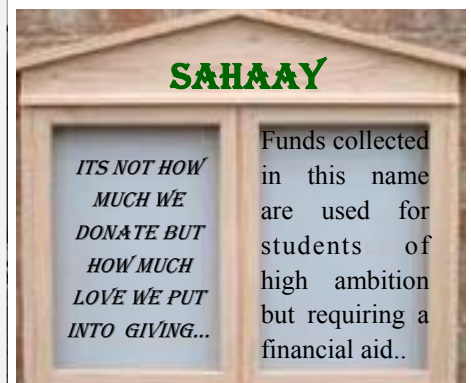
### Final Year Best Project

B.E. Final year project by Pranathi Ch. and Bhargavi titled ‘A Multi Criteria Model for Development of Pedestrian Level of Service in Urban Milieu’ under the guidance of Dr. K. Jayasree, Assistant Professor in Civil Engineering was declared as the best project in the Department. They also presented a paper on the same at the 2nd National Conference on “Recent Advances in Civil Engineering” (RACE-2K15) at CMR Technical Campus, Kandlakoya, Hyderabad on 31st March, 2015.

- Student of B.E. 2/4 Civil Engineering participated in the “National Design Competition” organized by CADD Centre, Hyderabad on 21st February 2015. Ten students qualified for the second round held on 1st March 2015.
- Four Civil Engineering students Arun Kumar Ramavath, Naresh Gopu, Sai Ram Lavidiyva and Santhosh Kotale attended the Finale of IBCC-2015 organized by ARK Technosolutions Mumbai Pvt. Ltd. & ROBOKART.COM from 4th-5th April, 2015 at IIT, Bombay.
- Eleven students from B.E. Civil Engineering attended the NSS Special Camp at Balaji Nagar Thanda, Challampalli, Thalkondapalli, Mahabubnagar from 25.03.15 to 31.03.15
- Anudeep Reddy of B.E 4/4 attended a Workshop on “Design Challenge” in association with TEP-ISB on 17th March, 2015 at CBIT.
- B.E. 4/4, 3/4 and 2/4 Civil Engineering students respectively attended the World of Concrete India-2015 & Concrete Construction Technology Summit-2015 organized by ICI Hyderabad Centre on 2nd, 3rd and 4th March, 2015 at Hitex Exhibition Centre, Hyderabad.
- Madasu Lalitanjani and M Nivedini Raj Gupta of B.E. 4/4 attended a One Day Conference on “Make in India - Importance of Skill training” sponsored by Ministry of Agriculture and Ministry of Labour and Employment of Government of India 07.02.15 at ALEAP Industrial estate, Hyderabad.



**REMINISCENCE 2014-2015**



Lend your hands towards it at  
HOD's Office in Civil Department

**DR. KUMAR MOLUGARAM—FEATURED ALUMNI****Education**

Doctor of Philosophy, Transportation Systems Engineering (2006)

*Indian Institute of Technology Bombay, Mumbai*

Master of Technology, Transportation Engineering (1995)

*Jawaharlal Nehru Technical University, A.P.*

Bachelor of Engineering, Civil Engineering (1993)

*Vasavi College of Engineering (Osmania University), Hyderabad*

Dr. Kumar Molugaram started his professional career in May 1995 as a Project Engineer at AFCONS Sub-contract

work, Hyderabad and then joined the Irrigation Dept., Govt. of A.P. as Assistant Executive Engineer in December 1996. Later in August 1997 he took over the duties of Teaching, Research and Administration as an Assistant Professor in the Department of Civil Engineering, Osmania University and presently has 20 years of professional experience. Dr. M. Kumar has started M.E. (Transportation Engineering—Regular and PTPG) at OU in 2008 and 2010 respectively. Some of his research areas of interest are Urban Transportation planning and modelling, Travel behaviour modelling, land use Transportation modelling, Traffic Engineering etc. He has guided several Ph.D, M.E. and B.E. project works. Dr. M. Kumar was involved in travel demand forecasting, OD surveys etc in projects like Bandra-Worli Sea Link & Mumbai Metro Project and Passenger Water Transport Project. He also has a number of ongoing and completed research projects and consultancies under agencies like Govt. of AP & NRRDA, Govt. of India, HMDA Hyd, GHMC Hyd etc. Dr. M. Kumar has several published papers in journals and full papers in conference proceedings to his credit and has presented many research papers during his international visits. He also has various state level and Central level recognitions and is a lifetime member of several leading professional organizations.

**Current Designation at Osmania University, Hyderabad:**

- Professor and Head, Department of Civil Engineering
- Director of Evaluation (Exam Cell)
- Chairman, BOS in Civil Engineering

**ALUMNI ACTIVITY**

A get-together of 1997 batch Alumni was arranged on 20.06.2015 at the Civil Engineering Department. Alumni members who were present are (1) Er. S.V.Ravi Shankar, DGM-Project, GKC Projects Ltd., (2) Er. Garaga Nagaraju, AGM (QA/QC), Emami Constructions, (3) Er. P.Chandrasekhar, Director (Development), Oracle India Pvt. Ltd., (4) Er. Gude Ramakrishna, Asst. Prof., Malla Reddy Engineering College, (5) Er. S.Rajesh, QA Manager, Autodesk India Pvt. Ltd. and (6) Er. D.Sridhar Reddy, AGM, GMR Group.



An interaction session on “Inter personal Skills and Opportunities in Civil Engineering”, by Ms. SimridhiChoudhary (Alumni2013), Planning for M.S. and Ms. Priya Kamath (Alumni 2013), Sales Engineer, Un-wired Labs Pvt Ltd, Hyderabad for B.E. 3/4 Civil Engineering students was organised on 17.03.15.

**PLACEMENT RECORDS (2014-15)**

S. No	Organization	No. of Students
1	Infosys	10
2	Accenture	18
3	Cognizant	12
4	Capgemini	2
5	CADeploy	1
6	ATC Telecom Tower Corporation Pvt. Ltd.,	3
7	AIR World Wide India	2
8	HP Technical Support	1
		<b>49</b>

A career guidance session by Mr. M.Rajashekar, Junior Engineer, Farakka Barrage (Alumni 2014) for B.E. 1/4 Civil Engineering students was organized on 08.04.15.

Send your feedback to  
[hodcivil@staff.vce.ac.in](mailto:hodcivil@staff.vce.ac.in)