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 <p><i>Dr.N.B.R.Prasad</i> Chairman</p>  <p><i>Dr.V S R K Prasad</i> Principal</p> <p>R. Govardhan Rao Director Admin</p>	 <p>I am delighted at the release of this 1st Annual Issue of Civil Engineering News, Newsletter published by Department of Civil Engineering, ANITS.</p> <p>As a matter of practice, this Annual issue is published to update all the stakeholders of the B.Tech. (Civil Engineering)</p> <p>This issue contains Department news such as Department Profile, Faculty Publications, Workshops / Seminars / Symposia organized, R&D and Consultancy Projects in the Department, Faculty Achievements, Seminars/ Workshops/ Conferences attended by Faculty and Student Achievements for the year 2014-15.</p> <p>I congratulate the Editorial Board on this occasion.</p> <p>We are grateful to the Management, Principal and Dean, Academic Affairs for their continuous inspiration, encouragement, and support extended for the release of this “Civil Engineering News”</p> <p>~ Dr.B.N.D.Narasinga Rao</p>

Courses Offered

The Department of Civil Engineering, ANITS, offers the following AICTE approved courses:

- **B.Tech. (Civil Engineering)** - 4 Years duration

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Department Profile

ANITS

Anil Neerukonda Institute of Technology & Sciences (ANITS) was founded by Anil Neerukonda Educational Society (ANES), in the fond memory of Anil Neerukonda, son of its chairman Dr. B.R.Prasad, Neerukonda. The Institute's humble journey started in 2001 with four B.Tech. Programmes. Within 14 years of its establishment, the Institute registered phenomenal growth and is accredited by NAAC with A grade and by NBA twice.

Vision

ANITS envisions to emerge as a world-class technical institution whose products represent a good blend of technological excellence and the best of human values.

Mission

To train young men and women into competent and confident engineers with excellent communicational skills, to face the challenges of future technology changes, by imparting holistic technical education using the best of infrastructure, outstanding technical and teaching expertise and an exemplary work culture, besides moulding them into good citizens.

Department of Civil Engineering

The Department of Civil Engineering, established in 2011, offers the following programs

- B.Tech. Civil Engineering

Programme is approved by AICTE and affiliated to Andhra University.

Vision

Our Vision is to be among the preeminent Civil Engineering Departments of the Country and the World for building future Civil Engineers characterized by technological excellence and human values.

Mission

Our Mission is Education. We achieve this mission through teaching, research, and consultancy in Civil Engineering with creativity, quality, sustainability, service and values as the foundational hall marks.

Program Educational Objectives (PEOs)

The Program is expected to enable the students, within 3 to 5 years of their graduation, to:

1. *Engage successfully in the practice of civil engineering profession within industry, government, or through private practice, post-graduate studies or alternate career paths.*

2. *Analyze, design and build safe, sustainable and economical civil engineering structures by applying their knowledge in one or more of the major areas of civil engineering, including environmental, geotechnical, structural, transportation, and water resources.*
3. *Apply the knowledge of mathematics, basic science, core and civil engineering to the formulation and solution of complex engineering problems as members of multidisciplinary teams.*
4. *Develop their communication skills and leadership skills and become competent, ethical and responsible professionals*
5. *Engage in life-long learning and service to their profession for betterment of society and environment*

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, 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 modelling 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.
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 with 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.

Department Profile

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)

1. **Civil Engineering Knowledge:** Analyse & design solutions to complex problems by applying fundamentals of sciences and civil engineering in one or more of its major areas such as structural, geo-technical, water resources, transportation and environmental engineering.
2. **Conduct investigations of complex civil engineering problems:** Use modern techniques and tools to design and conduct experiments, prepare and interpret plans and reports with valid conclusions and recommendations.
3. **Civil engineer and society:** Develop civil engineering solutions based on societal, health, safety, legal, cultural and environmental considerations for sustainable development.

Infrastructure

All laboratories in the department are well established with latest and modern equipment. The Department has Computer Centre, A/c Seminar hall, Department library etc. The Department also has, STAAD Pro and 25 other civil engineering licensed software.

Faculty

The Department is headed by Dr.B.N.D. Narasinga Rao, having 22 years of Teaching, Research and Consultancy experience. The Department is supported by qualified and experienced faculty, including Prof. A.Ramamohana Rao and Prof. V.Venkateswar Rao former Professor of Andhra University as well as skilled technicians and non-teaching staff. The Department has well equipped laboratories and spacious classrooms.



Triaxial Compression Test equipment



Compression Testing equipment



Los Angeles Abrasion testing machine



Total Station



Consolidation equipment



Laboratory Concrete Mixer



Relative density equipment



Infra-red Moisture meter

Department Profile

Centre for Industrial Consultancy and Sponsored Research (ICSR)

The Centre for Industrial Consultancy and Sponsored Research (ICSR) was established at ANITS to be an effective Interface with the Industry in fostering technology development, technical consultancy, collaborative R&D for mutual benefits. The key agenda of the IC&SR is to showcase and transfer the Institute's intellectual ware to industry and also inject industrial relevance in teaching and research at ANITS. The uniqueness lies in the wealth of expertise and modern facilities of the Department, manned by qualified teaching faculty with wide-ranging areas of specialization.

Consultancy Services

Geotechnical Engineering

- Geotechnical Investigations and Reports
- In-situ and laboratory testing of soil and rock
- Soil & Rock Sample collection & Lab Testing
- Recommendation of suitable foundation and Solutions to Foundation problems

Structural Engineering

- Design of Structures
- Tests on cement, concrete, steel
- Concrete Mix design
- Tests on aggregates, bricks, stones
- Tests on other building materials

Transportation Engineering

- Highway materials testing
- Pavement design and maintenance
- Traffic and Transportation Planning

Environmental Engineering

- Water Quality analysis
- Sewage analysis

Surveying

- Surveying with total station;
- preparation of maps/ plans in AutoCAD

Professional Society Activities

The Department hosts Institution of Engineers (India) ANITS Civil Engineering Students chapter and a number of events are organized by these chapter such as Workshops, Guest lectures, Engineers Day, KLRao memorial Lecture, Civil Engineering Model contest, industrial visit as well as Vinirmithi, the National level students technical symposium.



Sri B.Jayarami Reddy, Chief Engineer, GVMC, delivering the IEI Students chapter Inaugural address

Faculty Publications (2014-15)

1. Dr. B.N.D. Narasinga Rao (2014) "Guidelines for Preparation of Geotechnical investigation Report" in Indian Geotechnical Conference, December 2014, Volume 1, pp 2667-2676.
2. Dr.B.N.D.Narasinga Rao (2016) "Study on Pollution of soils due to Disposal of pulp mill Effluent" in International Journal of Recent Research in Science & Technology, june 2014, Volume 6, ISSN: 2076-5061, pp: 135-140.
3. J.Vikranth (2014), "Application of Affine Theorem to an orthotropic-Rec-Slab continuous over two adjacent sides & simply supported on two other sides having an interior corner opening" in Journal of Structral Engineering, November, 2014, Volume 41, pp:1-5.
4. K.Lovaraju (2015) "Effecctive location of shear walls on performance of building frame subjected to earthquake load ", in International Advanced Research Journal in science, Engineering and Technology, Jan, 15, Volume 2, Issue 1, pp 33-36.

Vinirmithi'15 – 1st National Level Students' Technical Symposium

VINIRMITHI'15, 1st National Level Students Technical Symposium was organized by the Department of Civil Engineering during February 23-24, 2015. The symposium was inaugurated by Er..K.Ramachandra Rao, Chief Engineer, Visakhapatnam Port Trust. Events like Paper Presentation, Planning Contest, Technical Quiz, Memory Retention, JAM, Model contest and Story Framing; are conducted to encourage students to think different and update themselves in the future innovations. A total of 90 students from various colleges have participated in these events.



Civil Engineering Model contest and Exhibition

Guest Lectures (2014-15)

1. A guest lecture was conducted on Topic “Solid Waste management” by Resource person Dr.Rajasekar on 10-12-2014.
2. A guest lecture was conducted on Topic “The Role of Geotechnics in Design and Stabilization of earth structures, few Cases studies” by Resource person Dr.A.Santha Ram on 07-08-2014.
3. A guest lecture was conducted on 112th Birth Anniversary Celebrations of padmabusan Dr. K.L.Rao by Resource persons Sri. U Narayana Raju & Sri. M.T.Raju on 15-07-2014.
4. A guest lecture was conducted on Topic “A Glimpse into certain Defence Works” by Resource person Sri. K.Venkateswara Rao on 22-08-2014.

Student Achievements (2014-15)

1. V.Satya Chakradhar (II/IV Civil) student has won 1st Prize in Bridge design & Fabrication in Civil Simplified event conducted by VIT University.
2. B.Koumudhi (III/IV Civil) student has won 1st Prize in Paper presentation in Vinirmithi 2K15, event conducted by ANITS.
3. S.Nookaratnam (III/IV Civil) student has won 1st Prize in Technical QUIZ in Vinirmithi 2K15, event conducted by ANITS.
4. G.Malathi (III/IV Civil) student has won 1st Prize in Paper presentation in Vinirmithi 2K15, event conducted by ANITS.
5. V.Satya Chakradhar (II/IV Civil) student has won 1st Prize in Architect-Planning Contest in Vinirmithi 2K15, event conducted by ANITS.
6. D.Lavanya (III/IV Civil) student has won 2nd Prize in Architect-Planning Contest in Vinirmithi 2K15, event conducted by ANITS.
7. D.Lavanya (III/IV Civil) student has won 1st Prize in Technical QUIZ in Vinirmithi 2K15, event conducted by ANITS

Placements (2014-15)

List of the Selected Students

Infosys

S.No	Regd.No.	Name
1	311126508012	G Suneel Kumar
2	311126508014	G Niranjan
3	311126508024	K Kalyan
4	311126508026	Ch Lakshmi Srinija
5	311126508030	M P Venkatesh
6	311126508032	M Chandra Sekhar
7	311126508041	P V Sandeep
8	311126508050	Khaja Mohidden Shaik

IBM

S.No	Regd.No.	Name
1	311126508026	Ch Lakshmi Srinija
2	311126508047	S Sneha

CADeploy Engineering

S.No	Regd.No.	Name
1	311126508020	J Babu Balaji
2	311126508023	K Srivalli Kiran
3	311126508019	Hima Bindu K
4	311126508053	T Dhilleswara Rao

Capgemini

S.No.	Regd.No.	Name
1	311126508042	P Harika

Academic Toppers (2013-14)

List of Class Toppers

Year/Semester	I Semester	II Semester	
III Year	Ms. P.Harika (311126508042) 8.9 SGPA	Ms. C.Jyothi (311126508009) 8.43 SGPA	Mr.T.Dhilleswara Rao (311126508053) 8.43 SGPA
II Year	Mr. A.S.P. Srivatsav (312126508012) 9.43 SGPA	Ms. D.Lavanya (312126508063) 9.31 SGPA	
I Year	Mr. P. Siva Kumar (313126508042) 9.57 SGPA		



Board of Studies (Civil Engineering)

1. Prof. G. Appa Rao, Professor, Civil, I.I.T., Chennai, Member
2. Dr. B.V.S. Viswanadham, Professor, Civil, I.I.T., Bombay, Member
3. Dr. CNV Satyanarayana Reddy, Professor, Civil, Andhra University, Visakhapatnam, Member
4. Sri. D. Kasi Visweswara Rao, Chief Engineer (Retd.), CRDA, Vijayawada, Member
5. Prof. A. Ramamohan Rao, Professor, Civil, ANITS, Member
6. Mr. J. Vikranth, Associate Professor, Civil, ANITS, Member
7. Mr. M.K.S.S. Krishna Chaitanya, Assistant Prof., Civil, ANITS, Member
8. Mr. T. Kiran Kumar, Assistant Prof., Civil, ANITS, Member
9. Ms. P.V.R. Sravya, Assistant Prof., Civil, ANITS, Member
10. Dr. B.N.D. Narasinga Rao, Professor & Head, Chairman

Editorial Board

Chief Editor:

Dr. B.N.D. Narasinga Rao, Professor & Head, Civil Engineering

Members:

1. J. Vikranth, Associate Professor, Civil
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3. T. Srikanth, Assistant Prof., Civil
4. K. Lova Raju, Assistant Prof., Civil
5. Mr. T. Kiran Kumar, Assistant Prof., Civil
6. Mr. Ch. Vineel, Assistant Prof., Civil
7. Mr. T. Viswa Teja, Assistant Prof., Civil

Student Members:

1. Ms. P. Harika, 311126508042 (IV/IV Civil)
2. Mr. T. Dhilleswara Rao, 311126508053 (IV/IV Civil)
3. Ms. C. Jyothi, 311126508009 (IV/IV Civil)
4. B. Koumudhi, 312126508015 (III/IV Civil)
5. D. Lavanya, 312126508063 (III/IV Civil)
6. K. Gowtham kumar, 313126508033 (II/IV Civil)
7. J. Midhun kumar, 313126508022 (II/IV Civil)
8. Md. Ameer javed, 313126508036 (II/IV Civil)