

NIRMAAN

-The Newsletter

Department of Civil Engineering



Vasavi College of Engineering
(Autonomous)

Ibrahimbagh, Hyderabad-500031, India.



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COLLEGE

DEPARTMENT

VISION:	MISSION:	VISION:	MISSION:
<i>"Striving for a symbiosis of technological excellence and human values."</i>	<i>"To arm young brains with competitive technology and nurture holistic development of the individuals for a better tomorrow."</i>	<i>"To strive for excellence in order to make the students better citizens with technical knowledge and social awareness."</i>	<i>"To impart knowledge in the latest technologies to the students of Civil Engineering to fulfill the growing needs of the society."</i>

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

1. To provide a better understanding of basic sciences and the fundamentals of Civil Engineering.
2. To develop competence in latest technologies to serve the industry or pursue higher studies.
3. To inculcate professionalism with effective communication skills and ethical values.

PROGRAM OUTCOMES (POs):

Engineering Graduates will be able to:

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.
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.
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. Analyse and design civil engineering structural systems
2. Apply principles of fluid mechanics in solving problems of hydraulic engineering
3. Provide transportation engineering solutions integrating the concepts of sustainable development.

Editorial Board

Dr. B. Sridhar

(Professor & HOD)

Dr. M. V. Rama Rao

(Professor)

Sri. M. Bhasker

(Associate Professor)

Dr. K. Jayasree

(Assistant Professor)

Sri. J. Bhargav

(Assistant Professor)

P. Satyajit

(B. E. Civil)

L. Shiva Nischal

(B. E. Civil)

C. Siddharth

(B. E. Civil)

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IN HOUSE EVENTS

- The Department of Civil Engineering organized an Alumni meet on 30.12.2017 in Computer Centre of the Department. A total of 11 Alumni have gathered in the meet.
- Dr. K. Jayasree, Assistant Professor, CED conducted "Grasp & Drop Contest" for BE III Semester, 3/4 & 4/4 Civil Engineering on 06.09.2017.
First position: DODDI VENKATA SUSHIL
Second position: SYED AHMED AZEEMUDDIN ZEESHAN
Third position: PALLERLA RAMA KRISHNA
- Dr. K. Jayasree, Assistant Professor, CED conducted "Model Presentations" for BE III Semester, 3/4 & 4/4 Civil Engineering on 08.09.2017.
First position: KASAM MANISHA REDDY
G SHIVA RANJITH BABU
Second position: GUNTUPALLY AARYAVARDHUN
LINGAM SHIVA NISCHAL
Third position: THUNGATURTI.AKHIL KUMAR
SAMYVEL.M
Consolation prize: GOVINDU.SAIPRAKASH
KATIPALLY.SAI ANIRUDH

EMINENT VISITORS

- Kartheek Thatikonda, Managing Director of Evolv3D, Hyderabad delivered a A workshop on “3D Printing and Its Application to Civil Engineering” on 28th July,2017.
- Dr. Shakhar Murthy,President of IIC Academy,Hyderabad, delivered a guest Lecture on ”About Career opportunities of Geoinformatics” to the BE 4/4,Civil Engineering Students on 3rd August,2017.
- Mr. Chandrashekar, Managing Director of CISTSOMAG, The Civil & Structural marketing group, Hyderabad,delivered a guest Lecture on "Structural Analysis Software And Their Practical Uses" to the BE 3/4, Civil Engineering Students on 8th August,2017.
- Mr. Abijeeth,an alumni of 2017 batch,spoke in an Interaction Session on “Career Guidance” to BE III Semester Civil Engineering Students on 8th August,2017.
- Mr.D.V.Mehswar, IDCM (Indian Defence Contract Management Services), Officer Training Academy, Gaya, Bihar delivered a guest Lecture on “Contracts and Tender Documents” to the BE 4/4 Civil engineering students on 16th August,2017.



- Mr. A. Sai Baba,Chief Engineer in Indian Railway delivered a guest Lecture on “Metrorail Design and Construction” to BE 4/4 Civil Engineering Students on 23rd August,2017.

- Mr. Chandrashekar, Managing Director of CISTSOMAG(The Civil & Structural marketing group) Hyderabad delivered a guest Lecture on ”Demonstration of ARES Commander CAD Software” to BE 2/4 Students on 8-9-17.
- An interaction session on “Career Moulding” was arranged for BE 2/4 students on 04.10.2017, addressed by Ms. D. Sravya, working in Infosys Pune and an alumnus of 2016 batch to eliminate the ambivalent opinions possessed by the students.
- An expert lecture on “Civil Engineering Profession Contract Administration” dated on 10.10.2017 was given by Er. Surya Prakash, CEO of Satya Vani Projects and Consultants Pvt. Ltd., who is also an adjunct faculty, addressed to the engineering students of BE 3/4 & 4/4.
- Smart Simulation – A Career Guidance Program in Civil Engineering was presented by Er. P. Surya Prakash, CEO of Satya Vani Projects and Consultants Pvt. Ltd., on 11.10.2017 for BE 2/4, 3/4 & 4/4 students of Civil Engineering.

- The Industry Institute Interaction Session on “Build Information Modelling (BIM) Software” lead by Mr. Arindam Roy, Indian Business Head., Techno Structural Academy, Hyderabad, conducted on 16.10.2017 for the BE 2/4, 3/4 & 4/4 civil engineering students to enhance their practical knowledge on offspring softwares of BIM.
- Er. P. Surya Prakash (Adjunct Faculty), CEO of Satya Vani Projects and Consultants, Pvt. Ltd., presided over the lecture on “Green Buildings” to broaden the scope of energy conservation for BE 2/4 students of civil engineering on 20.10.2017.
- A guest lecture on “Recent Development in Transportation Sector” was given by Mr. Shiva Sai, Program Engineer, Arcadis Consulting Ltd. Dated on 28.10.2017 for BE 3/4 students of civil engineering.
- An expert lecture on “Medical Geology” guided by Dr. C.R.M. Rao, Former Director, Geological Survey of India, Hyderabad helped the students of BE 2/4 civil engineering students to observe new areas of civil engineering sciences.
- Mr. Chandrashekar, working as a Managing Director of CISTSOMAG, The Civil & Structural marketing group, Hyderabad gave a guest lecture on 02.11.2017 based on “B_EST Software” related to estimations and specifications for BE 4/4 students to enrich their construction management knowledge.
- The students of BE 3/4 & 4/4 civil engineering attended a guest lecture on “Pre - Engineered Buildings” headed by Mr. Mohd. Rahmatulla, DGM, PEBS - Pennar and another guest lecture on “Water Resources Management” presided over by Er. G. Surender, Retired Executive Engineer, Water and Land Management Training and Research Institute (WALAMTARI) on 08.11.2018.



The applications of amalgamation of software with design of buildings was elucidated by Er. Riyaz Ahmed, Structural Engineer, Hytech Structures, Hyderabad by organising a guest lecture on “Applications of Software in the Design of Buildings” on 13.11.2017 for BE 3/4 students of civil engineering.

STAFF PARTICIPATION

- Mrs. P. Dhatri, Assistant Professor, CED Attended 5 Days workshop on "Entrepreneurship Educator program" on 4th - 8th July, 2017, organized by Anurag Group of Institutions, Chatkesar, Hyderabad.
- Dr. G. Shravan Kumar, Associate Professor, CED Attended an All India Seminar on "Digital and Automation Entry into the Future Factories" on 14th and 15th July, 2017 organized by The Institutions of Engineers (India), Telangana State Centre in association with Department of Mechanical Engineering (Mechatronics), Mahatma Gandhi Institute of Technology (MGIT), Gandipet, Hyderabad.
- Dr. G. Shravan Kumar, Associate Professor, CED and Dr. K. Jayasree, Assistant Professor, CED Attended seminar on "Indo - Global Education Summit & Expo 2017, Indo - Global Skills Summit & Expo 2017" on 19th July, 2017. Organized by The Indus Foundation, 14 Park View Enclave, Road No.2, Banjara Hills, Hyderabad.
- Dr. G. Shravan Kumar, Associate Professor, CED attended World Environmental Day Celebrations (Theme: Connecting People to Nature) at Institution of Engineers (India), Telangana State Centre, Hyderabad.
- Dr. G. Shravan Kumar, Associate Professor, CED, attended A Round Table conference on "Dindi Lift Irrigation Scheme" on 16.08.2017 at Vishveshwaraya Bhavan, Khairatabad, Hyderabad.
- Dr. M.V.Rama Rao, Professor, CED, attended the "Smart Infr-EST Programme" on 19.08.2017 at National Academy of Construction (NAC), Izzat Nagar, Cyberabad, Hyderabad - 500084.
- Dr. B. Sridhar, Professor & HOD, CED and Dr. M.V.Rama Rao, Professor, CED Participated in the "Sir M.V. Awards - 2017 function" conducted on 15th September, 2017 at Smart Infr-EST, Satyavani Consultants and Projects Pvt. Ltd.
- The following faculty members took part in "Faculty Development Program (FDP) on Outcome Based Education" conducted during 13.10.2017 to 15.10.2017, organized by Vasavi College of Engineering (Autonomous), Hyderabad is associate with NIT, Warangal.
 1. Dr. B. Sridhar, Professor & HOD, CED
 2. Dr. M.V.Rama Rao, Professor, CED
 3. Dr. M. Srinivas, Associate Professor, CED
 4. Dr. T. Srinivas, Associate Professor, CED
 5. Mrs. P. Dhatri, Assistant Professor, CED
 6. Mr. S. Kesav Kumar, Assistant Professor, CED
 7. Mr. M.S.Vamsi Krishna, Assistant Professor, CED

- One-day workshop on “Current Trends and Sustainable Management. Options in Water Sector”, organised by Central Ground Water Board, Southern Region, Hyderabad on 08.12.2017, which was attended by Dr. G. Shravan Kumar, Associate Professor; Dr. M. Srinivas, Associate Professor and Mrs. N. Niharika, Associate Professor of civil engineering department.
- Mr K. Sai Kumar, Associate Professor of civil engineering department attended “Diamond Jubilee Year Celebrations” on 08.12.2017 which was organised by NMDC Limited, Hi Tech City, Madhapur, Hyderabad.
- Mrs. R. Sowmya, Assistant Professor of civil engineering department attended two days IGBC Training Program on “Green Building” between 14.12.2017 and 15.12.2017 at NOVOTEL, Hyderabad.
- A ten days course on “Advance in Geotechnical Earthquake Engineering” conducted between 18.12.2017 and 29.12.2017 organised by GIAN (Global Initiative of Academy Networks) at IIT, Hyderabad Campus which was attended by Mr. S. Kesav Kumar, Assistant Professor of CED.
- Dr. M. V. Rama Rao, Professor gave an expert lecture on “Structural Analysis and Design” in 29.12.2017 in faculty development program organised by Smart Infr - EST, Hyderabad.

STAFF ACHIEVEMENTS

- Sri. M. Bhasker, Dr. M. Srinivas, Dr. C. Mohan Lal, Sri. M. V. S. S. Sastri, Sri. S. Vijaya Kumar, Dr. K. Jayasree, Mrs. P. Dhatri and Mrs. Lakshmi Pradeep who are the faculty members of civil engineering department have attended the examination of NPTEL online certificate courses.
- Sri. M. Bhasker, Associate Professor secured a 99% marks in the NPTEL online certificate course on “Design of Reinforced Concrete Structures.”
- Dr. M. Srinivas is the topper of the NPTEL online certificate course on “Outcome Based Pedagogic Principles for Effective Teaching”.
- Mr. S. Kesav Kumar, Assistant Professor, delivered a talk on “Environmental Geotechnology” on 15.11.2017 in the Civil Engineering Department.
- Mr. S. Kesav Kumar is the topper of the NPTEL online certificate course on “Environmental Geotechnology”.
- Mr. K. Sai Kumar, Assistant Professor, delivered a talk on “Probabilistic Analysis Slopes under Seismic Load using open sees” on 15.11.2017 in the Civil Engineering Department.
- Mrs. P. Dhatri, Assistant Professor, delivered a talk on “Principles of Construction Management” dated on 18.11.2017 in the Civil Engineering Department.
- Mrs. R. Sowmya, Assistant Professor, delivered a talk on “Improved Critical Chain Project - Management” on 18.11.2017 in the Civil Engineering Department.

- Dr. G. Shravan Kumar, Associate Professor, Department of Civil Engineering presented a paper titled “Integrated RS and Factor Analytic GIS Model for Evaluating Ground Water Pollution Potential” in the 3rd International Conference on Environmental Management (ICEM-2017) organized by centre for Environment, Institute of Science and Technology, JNTU, Hyderabad, Telangana conducted from 27th-30th November, 2017 at Hotel Daspalla, Madhapur, Hyderabad.
- Mr. S. Kesav Kumar, Assistant Professor, delivered a talk on “Geotechnical Earthquake Engineering” on 06.12.2017 in the Civil Engineering Department.
- Dr. C. Mohan Lal, Associate Professor, Department of Civil Engineering gave a presentation on paper titled “Application of Artificial Neural Networks for Design of RCC Rectangular Short Columns Subjected to Biaxial Bending” at 4th International Conference on Modelling and Simulation in Civil Engineering (ICMSC2017) organized by TKM College of Engineering, Kollam, Kerala, during 13-15th December 2017.
- Dr. B. Sridhar, Professor & HOD, and Dr. K. Jayasree, Assistant Professor, Department of Civil Engineering delivered a paper titled “Use of Nano Traditional Aggregates for Rigid Parameters” at 2nd International Conference on Innovations in Structural Engineering which was organized by Osmania University, Hyderabad during 29th-30th December 2017.
- Mr. S. Vijaya Kumar, Associate Professor & Dr. B.L.P. Swami, Professor, Department of Civil Engineering presented a paper titled “Influence of Fibre on the Strength Properties of Triple Blended Self Compacting Concrete” at International Conference on Innovations in Structural Engineering (IC-ISE-2017) organized by Osmania University, Hyderabad during 29th-30th December 2017.
- Mr. S. Vijaya Kumar, Associate Professor, Department of Civil Engineering developed a research paper titled “Mixed Fibre Reinforced Concrete – Study of Strength and Behaviour” which is in the process of review under The Online International Interdisciplinary Research Journal (UGC New Delhi Approved Journal No-46964).
- Mr. S. Vijaya Kumar, Associate Professor & Dr. B.L.P. Swami, Professor, Department of Civil Engineering presented a paper titled “Acid Resistance studies on Triples Blended Fibrous Self Compacting Concrete” in International Conference on Innovations in Structural Engineering (IC-ISE-2017) organized by Osmania University, Hyderabad during 29th-30th December 2017.
- Mr. S. Vijaya Kumar, Associate Professor & Dr. B.L.P. Swami, Professor, Department of Civil Engineering made a research paper titled “Influence of Fibre on the Strength Properties of Triple Blended Self Compacting Concrete” and it will be published on International Journal of Emerging Technology and Advanced Engineering, Volume 7, December-2017.
- Mr. S. Vijaya Kumar, Associate Professor & Dr. B.L.P. Swami, Professor, Department of Civil Engineering made a research paper titled “Acid Resistance studies on Triples Blended Fibrous Self Compacting Concrete” which will be published on International Journal of Emerging Technology and Advanced Engineering, Volume 7, December-2017.

Concrete with Fly ash and GGBS" which will be published on International Journal of Emerging Technology and Advanced Engineering, Volume 7, December-2017.

- Dr.B.L.P. Swami, Professor, Department of Civil Engineering presented a paper titled "Effect of Molarity on Compressive Strength Properties of Geopolymer Concrete with Fly ash and GGBS" in International Conference on Innovations in Structural Engineering (IC-ISE-2017) organized by Osmania University, Hyderabad during 29th-30th December 2017.
- Dr.B.L.P. Swami, Professor, Department of Civil Engineering developed a research paper titled "Effect of Molarity on Compressive Strength Properties of Geopolymer Concrete with Fly ash and GGBS" which will be published on International Journal of Emerging Technology and Advanced Engineering, Volume 7, December-2017.

SKILL DEVELOPMENT PROGRAMS

- A two-day skill development programme on "Environmental Engineering Lab" presided over by Sri. M. Srinivas, Associate Professor along side Sri. M. Bhasker, Associate Professor including all CED lab assistants, technicians and attenders on 07.12.2018 and 08.12.2017.
- Sri. S. Kesav Kumar, Associate Professor in association with Sri. K. Sai Kumar, Assistant Professor along with all CED lab assistants, technicians and attenders organised a skill development programme on "Soil Mechanics Lab" on 11.12.2017 and 12.12.2017.
- A practice session on "Total Station" in surveying lab on 14.12.2017 was guided by Sri. M. V. S. S. Sastri, Associate Professor supported by Mrs. P. Dhatri, Associate Professor and all CED lab assistants, technicians and attenders.
- Dr. G. Shravan Kumar, Associate Professor along with all CED lab assistants, technicians and attenders organised a skill development programme on "Fluid Mechanics Lab" on 15.12.2017.
- Dr. B. L. P. Swami, Professor in association with Dr. T. Srinivas, Associate Professor and Sri. S. Vijaya Kumar besides all CED lab assistants, technicians and attenders organised a skill development programme on "Concrete Lab" dated 18.12.2017 and 19.12.2017.
- Dr. K. Jayasree, Associate Professor in collaboration with Mrs. P. Dhatri, Associate Professor with the support of all CED lab assistants, technicians and attenders organised a two-day skill development programme on "Transportation Engineering Lab" on 21.12.2017 and 22.12.2017.

STUDENTS PARTICIPATION

- 23 students of Civil Engineering Department attended Er. G.V.Subba Rao's, First Endowment Lecture on "Gust Pressures on Structures Review of Codal Provisions" on 19th June, 2017 at Visvesvaraya Bhavan, Khairatabad, Hyderabad under Institution of Engineers (India), Telangana State Centre, Hyderabad.

- 10 students of Civil Engineering Department attended A workshop On the eve of 1000th of Birth year Celebrations of Sri Ramanujacharya, JIVA a workshop on LEADER FOR EVER on 17th August, 2017.
- The 10 students of Civil Engineering Department Participated in the “Quiz competition” in the occasion of Engineers Day celebration competitions on 15th September, 2017 at Instituion of Engineers (India), Telangana State Centre, Hyderabad.
- The 30 students of Civil Engineering Department participated in the "Space Week" event conducted on 10th October, 2017 at National Remote Sensing Centre (NRSC), Hyderabad.
- The following students Participate in the “paper presentation event conducted as a part of Inspiro-Environ” conducted on 21st October, 2017 at Muffakham Jah College of Engineering & Technology, Hyderabad.
 1. G. S. Sachin
 2. E. Shirisha
 3. O. Rohith
 4. Abdul Wasae Syed
- The following students Attended a Seminar on “Environmental Sustainability” on 21st October, 2017 at Muffakham Jah College of Engineering & Technology, Hyderabad.
 1. P. Sai Dinesh Reddy
 2. Syed Azeemuddin Zeeshan
 3. K. Swanish Kumar
 4. Abdul Wasae Syed
- The following students Participate in the “Quiz Competition as a part of Inspiro-Environ” on 21st October, 2017 at Muffakham Jah College of Engineering & Technology, Hyderabad.
 1. Abdul Wasae Syed
 2. K. Swanish Kumar
 3. Syed Ahmed Azim Uddin Zeeshan
 4. Y. Aashritha
- Abdul Wasae Syed participated in the “DEBATE & ELOCUTION” as a part of Inspiro-Environ”, on 21st October, 2017 at Muffakham Jah College of Engineering & Technology, Hyderabad.
- P. Satyajit and S. Sathwik Abhinav participated in the Beam_ IT and Youth Speak Forum 2017 powered by AIESEC at “ATMOS 2017” the National Techno-Management Festival held on 25st October, 2017 at BITS Pilani, Hyderabad Campus.
- The students of BE 3/4 and 4/4 have participated in the “Space Week” event on 10.10.2017 at National Remote Sensing Centre (NRSC), Hyderabad.
- The students of BE 4/4 participated in “paper presentation event and quiz competition events conducted as a part of Inspiro - Environ” and attended a seminar on “Environmental Sustainability” On 21.10.2017 at Muffakham Jah College of Engineering & Technology, Hyderabad.

STUDENTS ACHIEVEMENTS

- Mr. V. Snehith Reddy of B.E. 4/4 (Civil) for winning 3 Gold Medals in “OU Inter College Swimming Tournament”, by Osmania University College of Engineering, Hyderabad.



- Mr. Yash Parmar won the “Best Civil Engineering Student Award” at Smart Infr – EST, on 15th September, 2017. Organized by Smart Infr-EST, Satyavani Consultants and Projects Pvt. Ltd.

ALUMNI UPDATES

- R. S. Gowrinath, an alumni of the year 1988, who is currently working as an independent consultant, visited the college campus on 21st July, 2017.
- T. Dhananjaya, Assistant Professor, RRS College of Engineering & Technology, an alumni of the batch 1999, visited the college premises on 1st August, 2017.
- D. Prasanna Kumar, an alumni of the 2016 batch, currently working as an Assistant Engineer, PR Department, Adilabad, visited the college premises on 11-9-17.
- Raam Sangem, an alumni of the 1989 batch, currently working as UNIX Administrator, visited the college premises on 15-9-17.
- Anil Kumar, an alumni of the 1998 batch, currently working at NRSC, visited the college premises on 5-10-17.
- Mr. B. Prasanth Kumar, graduated in 2016 and Mr. B. Srihari, graduated in 2013; who are working as civil engineers frequented the college on 22.11.2017.
- Ms. R. Saleem Begum graduated from VCE and now working as an Assistant Professor visited CED of Vasavi College of Engineering on 30.12.2017.



SAHAAY

"It's not how much we donate but how much love we put into giving. Funds collected in this name are used for students of high ambition but requiring a financial aid."

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HOD's Office in
Civil Department



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