

1. Workshops/Seminars/Guest Lectures/Training Programs/Symposiums organized:

The department of Civil Engineering organized

- i. A guest lecture on “Cement and its manufacturing process” for II/IV B.Tech. students of CE on 5th January 2024 was organized. Resource person: Mr.R.Santhosh Kumar, Officer-Customer Services, Zuari Cement. Coordinators: Mrs. K.Divya.
- ii. A Poster Presentation competition for II/IV,III/IV, IV/IV B.Tech. students of CE on 25th January 2024 was organized on the topic "DECARBONISATION MEASURES (@ Home, Office, Campus)" as a part of IGBC's 6th Harit Prem Bharat Mahostav 2024 between January 23 to 29, 2024. Coordinators: Mrs.K.Prasanthi
- iii. A workshop on “RESILIENCE IN CONCRETE CONSTRUCTION” for II/IV,III/IV, IV/IV B.Tech. students of CE on 9th February 2024 was organized. Resource person: Er. S.V.G.Bhuvana Kumar, DGM- Technical Services, Dalmia Cement. Coordinators: Mrs.K.Prasanthi, MrsM.D.Prasanna
- iv. A quiz program conducted on “Legal rights of women” under ICC & Women’s cell on 09-02-2023, No.of. Participants :96. Coordinators: Mrs. K.Divya
- v. A seminar on “Technical Aspects in Execution of Mega Projects” for II/IV B.Tech. students of CE on 23rd February 2024 was organized. Resource person: Sri. Y.Vijaya Kumar, Former head, Tata Projects Limited. Coordinators: Mrs. K.Divya.
- vi. A guest lecture on “Concrete Constructions in Coastal Conditions” for II/IV,III/IV, IV/IV B.Tech. students of CE on 24th February 2024 was organized. Resource person: Er.K.Venkatraman, Regional Manager, Ultra Tech Pvt.Ltd. Coordinators: MrsM.D.Prasanna.
- vii. A guest lecture on “Mumbai Metro Constructions and Importance ” for IV/IV B.Tech. students of CE on 4th March 2024 was organized. Resource person: Er. J. Srinivasa Rao, Joint General Manager, NCC. Mumbai. Coordinators: Dr.K.Shyam Prakash.
- viii. A guest lecture on “Menstrual Health and Hygiene & Puberty Changes” for II/IV,III/IV, IV/IV B.Tech. students of CE on 5th March 2024 was organized. Resource person: Ms. Roshnee Bhowmick, CSR Executive-West Bengal. Coordinators: Dr. A.Adilakshmi, Mrs.K.Divya.
- ix. A guest lecture on “Civil Engineering Constructions and Importance” for IV/IV B.Tech. students of CE on 06th June 2024 by Mr. K. Pavan Kumar, Jr.Design Engineer, Alliance Design Solutions, Ameerpet, Hyderabad.

2. Papers presented in Seminars/Conferences/Symposiums by the faculty: -

3. Workshops/Seminars/Faculty Development Programmes attended by the faculty:

a) Seminars/Webinars:

- i. Dr.A.Adilakshmi participated in a webinar “Innovative Construction Techniques in Signature Bridge, Delhi” conducted by Ultra Tech Cement & ICI-Ghaziabad Centre on 6th January 2024.
- ii. Mr.K.V.Subash participated in International Webinar Series on Geoenvironmental Engineering, Sustainability and Resiliency on the topic “Can Microbes Solve the Civil

- Engineering Problems? A Perspective of Green Energy, Biocementation, and Bioremediation” on 1st February 2024 organised by University of Illinois Chicago, USA.
- iii. Dr.A.Adilakshmi participated in a webinar “Learning from Failure of Buildings and Bridges” conducted by Ultra Tech Cement & ICI-Ghaziabad Centre on 3rd February 2024.
 - iv. Mr.K.V.Subash participated in International Webinar Series on Geoenvironmental Engineering, Sustainability and Resiliency on the topic “Investigations of Groundwater Contamination with NAPL Petroleum Spills and Remediation” on 8th February 2024 organised by University of Illinois Chicago, USA.
 - v. Mr.K.V.Subash participated in International Webinar Series on Geoenvironmental Engineering, Sustainability and Resiliency on the topic “Energy GeoScience and Engineering” on 22nd February 2024 organised by University of Illinois Chicago, USA.
 - vi. Mr.K.V.Subash participated in International Webinar Series on Geoenvironmental Engineering, Sustainability and Resiliency on the topic “Geotechnical Characterization and Stabilization of Organic Soils using the Microbially Induced Calcite Precipitation Technique” on 7th February 2024 organised by University of Illinois Chicago, USA.
 - vii. Ms.G.V.R.Kumari participated in webinar on “Case study on condition Assessment of existing RCC Structure using Infra-Red Technology attached with UAV/Drone” organized by Ultra Tech Ltd on 24th April 2024.
 - viii. Mrs.K.Divya has participated in the Presidency University Masterclass on “Soil Engineering: Coupled Processes and Applications” delivered by Prof.Hossam Abuel-Naga, HoD, La Trobe University, Australia organized on 24th January 2024.

b) Workshops:

- i. Dr.V.Jagadish has attended all activities and sessions of the 7th International Symposium on Innovative World of Concrete held on 18th – 20th January 2024 at IHCL, Raajkutir, Kolkata,India.
- ii. Ms.G.V.R.Kumari participated in SERB Sponsored Workshop on Spatial Data Analytics organized by the Indian Institute of Information Technology Sri City, from 19th -21st January 2024.
- iii. Dr.A.Adi Lakshmi participated in International Online Workshop on Containers and OpenShift organized by ipsr solutions limited and Valin- UK,USA and Canada on 28th February 2024.
- iv. Dr.M.Anupama Ammulu, Mr. Ch.Rajesh have participated in the workshop titled” The Digital Leap in Learning: GENAI Tools for Academic Empowerment” organized by the Research & Development Cell in association with IQAC on 2nd March 2024.

c) STTP/STCs:

- i. Mr. Ch. Rajesh has participated in one week self-sponsored online short-term course on Recent Advances in Civil and Environmental Engineering from 24th - 28th June 2024 conducted by NIT Delhi, in collaboration with Dr. B R Ambedkar National Institute of Technology, Jalandhar.

d) Faculty Development Programmes:

- ii. Dr. A. Adilakshmi, K. Divya has participated in the one week National level online Faculty Development Program on “Outcome Based Education And Essential AI Tools For Teachers” at Internal quality assurance cell (IQAC) of st. Thomas college, Palai from 10th -16th January 2024.
- iii. Mrs.M. Durga Prasanna, Mrs.K. Prasanthi have participated in the Faculty Development Program on “Artificial intelligence and IoT” at Physitech Consultancy Services Pvt.Ltd. Through online mode from 15th January 2024.
- iv. Dr. M.Sudhakar has participated in the Faculty Development Program “Research and Innovations in Structural Engineering” organized by department of Civil Engineering, Vardhaman College of Engineering, from 12th -17th February 2024.
- v. Dr.A. Adilakshmi has participated in the virtual FDP entitled ‘Recent Advances in Civil Engineering organized by Department of Civil Engineering, Sathyabama Institute of Science and Technology, Chennai, from 11th to 15th March 2024.
- vi. Dr. M.Anupama Ammulu attended a FDP on “Ongoing Research & adaptation of New Technologies in the field of Pharmacy” organized by A.M.Reddy Memorial College of Pharmacy,Narsaraopeta on 22nd to 26th April ,2024.
- vii. Mr. K. V.Subash attended 5-day online FDP on “ Unlocking Innovation: Exploring Intellectual Property Rights” organized by P.B.Siddhartha College of Arts and Science and PVPSIT on 16th -21st May 2024.
- viii. Mrs.M. Durga Prasanna, Mrs. K. Prasanthi have participated in the Professional Development Program on “NBA Process” organized by National Institute of Technical Teachers training and research, Chennai, through online mode from 12th -14th February 2024.
- ix. Dr. A. Adilakshmi has participated in the Professional Development Program on “Energy Engineering And Management” at National Institute of Technical Teachers training and research, Chennai. Through online mode from 12th -16th February 2024.
- x. Mrs. M. Durga Prasanna, Mrs. K. Prasanthi have participated in the Professional Development Program on “Design of RCC and Steel Structures” organized by National Institute of Technical Teachers training and research, Chennai, through online mode from 04th -08th March 2024.
- xi. Mrs. M. Durga Prasanna, Mrs. K. Prasanthi have participated in the Faculty Development Program on “Building Resilient Infrastructure” organized by department of Civil Engineering, Vasiraddy Venkatadri Institute of technology from 24th -28th June 2024.
- xii. Dr. K.Shyam Prakash, Mr. Ch. Rajesh, Dr.V.Jagadish, Dr.M.Sudhakar, Dr.A.Ashish Kumar Nayak have completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission teacher Training Programme of University Grants Commission Organised by Malaviya Mission Teacher Training Centre, NIT Warangal from 24-06-2024 to 02-07-2024.
- xiii. Mrs. M. Durga Prasanna has participated in the Faculty Development Program on “AI & ML Applications in Civil Engineering” organized by department of Civil Engineering, Lakireddy Bali Reddy College of Engineering from 26- 06-2024 to 01-07-2024.

e) Guest Lectures: -

f) Awareness programmes/Interaction meet/Quizzes, etc:

g) Conferences: -

- i. Dr.V.Jagadish has attended all activities and sessions of the 7th International Symposium on Innovative World of concrete held on 18th – 20th January 2024 at IHCL, Raajkutir, Kolkata.
- ii. Dr.M.Anupama Ammulu has participated in the conference “International Conference on Recent Advancements in Mechanical and Industrial Engineering-2024” and presented a paper titled “Nurturing Millet Utilization: A Framework for Policy Advancement” organized by the Mechanical department, PVPSIT on 22nd, 23rd March 2024.
- iii. Dr.V.Jagadish has participated in the conference “International Conference on Recent Advancements in Mechanical and Industrial Engineering-2024” and presented a paper titled “Structural Analysis of Bamboo Trusses for large span Applications using ANSYS Software” organized by the Mechanical department, PVPSIT on 22nd, 23rd March 2024.

4. Publications by the faculty (National/International Journals/ Conferences):

a) Scopus indexed journals: -

- i. Ms. Venu ratna kumari, G published “A hybrid model for face detection using HAAR Cascade classifier and sinle shot multi-box detectors based on open CV” in International research journal of multidisciplinary scope in the month of January 2024.
- ii. Dr. Mogili sudhakar published “Duration forecasting capability of critical path focused earned duration management” in International journal on Engineering Applications in the month of January 2024.
- iii. Dr. Manne Anupama Ammulu published “Schizophrenia Prediction in the Quantum Realm: A Machine Learning Approach” in African Journal of Biological Sciences in the month of June 2024.

b) SCI/SCIE indexed journals: -

- i. Dr.Manne Anupama Ammulu published “Influence of various environments on the mechanical properties of nanoclay reinforced S-glass/sisal hybrid polyester composites” in Polymer Composites with ISSN No. 1548-0569 in the month of June 2024.
- ii. Dr. Jagadish Vengala published “Performance evaluation of hybrid fibre reinforced concrete on engineering properties and life cycle assessment: A sustainable approach” in Journal of cleaner production with 0959-6526 in the month of June 2024.

c) IEEE/Springer journals: -

d) UGC/other journals: -

e) Conference Proceedings: -

f) Book chapters:

- i. Dr. Mogili Sudhakar published “Cyclic behavior of reinforced pond ash and its liquefaction susceptibility” in Innovations and Applications of Fiber-Reinforced Concrete, Nova Science publishers in the month of April 2024.
- ii. Dr. Manne Anupama Ammulu published “Computational Approaches for Prediction of Conformational Epitopes for Birch Betv 1 and Hazel Cor A1 Targeting B-cells” in Research

iii. Dr. Ashish Kumar Nayak published “Magnetic nanotechnology-based biosensors for environmental contaminants’ detection” in Nanotechnology-based Sensors for Detection of Environmental Pollution., Elsevier Publisher in the month of May 2024

g) Books: -

5. Faculty Achievements (Patents, Higher Qualification awarded, guest lectures given, awards and rewards, acted as a Resource person etc.):

a. Patents: -

b. Ph.Ds awarded: -

c. Guest lectures delivered:

- i. Dr.V.Jagadish delivered a talk on “ Self Compacting Concrete” in the Technical Colloquium organize by ICI-Kochi Chapter and Ramco cements Pvt.Ltd. on 30th January 2024.
- ii. Dr. Jagadish Vengala delivered a talk on “Best practices in handling concrete” the workshop “RESILIENCE IN CONCRETE CONSTRUCTION” organized at PVPSIT in association with Indian Concrete Institute Vijayawada Center, Andhra Pradesh on 09th February 2024.
- iii. Dr. K. Shyam Prakash delivered a talk on Road Safety Audit at K L University on 20th February 2024.
- iv. Dr.V.Jagadish delivered a guest lecture talk on “Sustainable Materials in Building Construction” on 22nd February 2024 in Government Polytechnic for Women,Kadapa.
- v. Dr. Jagadish Vengala delivered a talk on “Assessing the performance of bamboo structural elements” in GITAM School of Architecture, Visakhapatnam on 15th March 2024.
- vi. Dr. Jagadish Vengala delivered a talk on “Thesis writing and use of advanced excel” in Goa College of Engineering, GOA on 15th March 2024.
- vii. Dr. Jagadish Vengala delivered a talk on “Use of sustainable materials for the construction Industry” in Institute of Engineers (India), GOA State Centre on 16th March 2024.
- viii. Dr. Jagadish Vengala delivered a talk on “Aspects of Concrete Strength and Durability” in The Ramco Cement Ltd., ICI, Vijayawada Centre on 18th March 2024.
- ix. Dr. Jagadish Vengala delivered a talk on “Potential Use of Bamboo as a sustainable material in construction” in Sir M Visvesvaraya Institute of Technology, Bangalore on 18th March 2024.
- x. Dr. Jagadish Vengala delivered a talk on “Best practices in handling concrete or concrete mix” in Hotel Surya Grand, Vijayawada on 27th March 2024.
- xi. Dr. Jagadish Vengala delivered a talk on “Durability Aspects of Concrete” in UltraTech Technical Meet, held at Hotel Minerva Grand in Tirupati, Andhra Pradesh, on June 19, 2024.

d. Reviewers of journals:

- i. Mr.Ch.Rajesh reviewed a paper in ‘International Journal of Environment and Waste Management’ on 11th January 2024.
- ii. Mr.K.V.Subash reviewed a paper in ‘Journal of The Institution of Engineers’ submitted on 30th January 2024.
- iii. Dr.K.Shyam Prakash reviewed a paper in the journal “International Journal of Plant and Soil Science” in the month of January 2024.

- iv. Mr.K.V.Subash reviewed a paper in 'The Scientific World Journal' submitted on 11th March 2024.
- v. Mr.K.V.Subash reviewed a paper in 'Advances in Civil Engineering' submitted on 23rd March 2024.
- vi. Mrs.K.Prasanthi reviewed a paper in 'Advances in Civil Engineering' on 25th March 2024.
- vii. Mr.Ch.Rajesh reviewed a paper in 'International Journal of Environment and Waste Management' on 27th April 2024.
- viii. Dr.M.Sudhakar reviewed 2 papers in the journal "Transportation Infrastructure Geotechnology" in the months of May and April 2024.
- ix. Dr.Ashish Kumar Nayak reviewed 2 papers in the journal "Environmental Research" in between May to June 2024.

6. Faculty Participation (as a Judge, Guest, or BOS member, & Chairing a session, etc.):

Faculty Participation as a Judge

- i. Dr.A.K.Nayak attended as Jury in the Technical Program Committee of the 4th ICACCE 2024 at Vasavi College of Engineering ,Hyderabad on 15th -16th March 2024.
- ii. Dr.A.K.Nayak has got an invitation to join in the Technical Program Committee of the 3rd ICSEGT 2024 at Poornima College of Engineering, Jaipur on 6th-8th June 2024.

Faculty Participation as a BOS member

- i. Dr. Jagadish Vengala Attended BOS meeting at Chalapathy Institute of Technology, Guntur on 24th May 2024

Members in Journals:

- i. Dr.A.K.Nayak joined as the Handling Editor in the 'International Journal of Environment and Waste Management', which is indexed by Scopus and published by Inderscience.
- ii. Dr.A.K.Nayak joined as the Handling Editor in the 'International Journal of Environmental Engineering', which is published by Inderscience.
- iii. Dr.A.K.Nayak joined as the Handling Editor in the 'International Journal of Experimental Design and Process Optimisation", which is published by Inderscience.
- iv. Dr.A.K.Nayak joined as an Academic Editor in the reputed peer-reviewed journal 'Journal of Engineering', which is indexed by Scopus and published by Hindawi.
- v. Dr.A.K.Nayak joined as an Academic Editor in the reputed peer-reviewed journal 'Advances in Civil Engineering', which is indexed by SCIE and published by Hindawi.
- vi. Dr.A.K.Nayak joined as an Academic Editor in the reputed peer-reviewed journal 'The Scientific World Journal-Environmental Chemistry'.
- vii. Dr.A.K.Nayak honoured as an Associate Editor in 'Chemical Papers', which is indexed by SCI and published by Springer.

7. MOOCs/ courses completed by the faculty:

- i. Dr. A.Adi Lakshmi, MrsK.Divya have successfully completed coursera course in "Introduction to Microsoft Excel" on 31st January 2024.
- ii. Mrs.K.Prasanthi,Mrs.M.D.Prasanna have successfully completed coursera course in "Introduction to Data Analysis using Microsoft Excel" on 20th February 2024.

- iii. Dr.K.Shyam Prakash successfully completed the course ‘Plastic Waste Management’ conducted by Swayam NPTEL,IIT Kharagpur from Jan 2024 to March 2024.
- iv. Mr.K.V.Subash successfully completed the course Concrete Technology conducted by Swayam NPTEL,IIT Madras from Jan 2024 to April 2024.
- v. Mr.K.V.Subash successfully completed the course MATLAB Onramp conducted by MathWorks on 10th May2024.

8. Industrial Visits:

- i. III/IV B.Tech. students went to Jindal Waste ManagementLtd. On 23-01-2024

9. APSSDC: -

10. Students' achievements:

a) Co-curricular Activities:

- i. 47 students from II/IV completed Introduction to computers offered by IIT Bombay on 10-01-2024
- ii. 4 students from IV/IV have completed certificate course on “MATLAB” offered by CADD Experts, Vijayawada during 19.12.2023 to 30.04.2024
- iii. 4 students from IV/IV have completed certificate course on “Visum” offered by CADD Experts, Vijayawada during 19.12.2023 to 30.04.2024
- iv. Murari Bhanu Prasad, III year Civil participated in the conference “International conference on Recent advancements in mechanical and industrial engineering-2024” and presented a paper “Assessing the long term potential of elastomer and biopolymer for sustainable construction” on March 22nd and 23rd 2024, at PVP Siddhartha Institute of technology.

b) Extra-curricular Activities: -

- i. 27 students from III/IV participated in AUTOCAD, Model Making and Technical Quiz in COLORIDO 2024 at RVRJC on 16th February 2024
- ii. 6 students from III/IV participated in Seismic Table, Bridge It in AFOSEC, VRSEC 28,29 February 2024
- iii. 2 students from III/IV secured 1st prize in Model Making at COLORIDO 2024 at RVRJC on 16th February 2024
- iv. 2 students from III/IV secured 1st prize in Bridge It in AFOSEC, VRSEC 28,29 February 2024.
- v. 2 students from III/IV secured 2nd prize in Bridge It in AFOSEC, VRSEC 28,29 February 2024.
- vi. 2 students from III/IV secured 3rd prize in Bridge It in AFOSEC, VRSEC 28,29 February 2024.

c) Coursera/NPTEL details of the students:

10. Higher Education: -

11. Other Information:

- i. Mr. D.S.N. Babu, Mr.B.Anil, Mr K.Mahesh successfully completed a one day training program on Concrete penetrometer and Marsh Cone Viscosity apparatus which was demonstrated by Mr. B.JaiRam, Service Engineer, AIMIL Ltd, Hyderabad on 23rd May 2024.

- ii. A total of 37 students of IV/IV B.Tech. got placed in various companies in the Academic Year 2023-24
- iii. A total of 66 offers were got by 37 students of IV/IV B.Tech. got placed in various companies in the Academic Year 2023-24.
- iv. Consultancy amount is Rs.320934/- from January-June 2024.
- v. 107 students of III/IV and IV/IV have undergone internship in various core companies during 20-05-2024 to 15-06-2024 and 22-04-2024 to 18-05-2024 respectively.
- vi. Dr.K.Shyam Prakash completed a SAGTE project with title “A Study on Compressive Strength by Partial Replacement of Fine Aggregates in Concrete.” Worth Rs. 28,000/-
- vii. Mrs K.Prasanthi completed a SAGTE project with title “Experimental investigation on concrete using mineral admixtures and waste plastic in concrete.” Worth Rs. 26,000/-
- viii. Distribution of INDIAN CONCRETE INSTITUTE((ICI) membership certificates to 50 students was conducted on 24th February 2024 in Department of Civil Engineering.
