



MODERN SURVEYING TECHNIQUES

*-How surveys save money
and time*

CIVIL ENGINEERING DEPARTMENT NEWS LETTER

2023-24 | JULY – DECEMBER 2023

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*Attempts in recognition with
Need for hour past movement
with modern survey
techniques.*

Industrial Research Projects Completed

- Research project on 'Design and Development of Chloride Resistant Concrete' of N. VenkataSairam Kumar, R.Vaishnava Kumar was completed.
- Research project on 'Experimental Analysis of Sub and Super Structure Embedded in Cohesive and Cohesionless Soil' of B. KesavaRao and S. V. Satyanarayana was completed.

Internal Research Projects completed

- Research project on 'Removal of Dyes from Textile WasteWater by Water Hyacinth: Batch and ColumnStudies', of M. Srikanth Kumar and P.V.S. Maruthi Krishna was completed.
- Research project on 'Study on Flow Properties of Fiber-Reinforced Self-Compacting Concrete', of B. Krishna Chaitanya and M. L. N. Krishna Sai was completed.

Industrial Research Projects in Progress

- Research project on 'Design and analysis of a high rise building with different plan configurations using ETABS software' of B. Krishna Chaitanya and M.L.N. Krishna Sai is in progress.

- Research project on 'Condition assessment of existing road network in rural area of Amaravati region constructed on expansive soil' of P.

SamathaChowdary and G. Sanijya is in progress.

- Research project on 'Analysis and identification of groundwater potential zone and artificial recharge zones for Guntur district, Andhra Pradesh using remote sensing and GIS' of R. Chandramohan, A. Srinivasa Prasad, K. Leela Krishna, B. KesavaRao and Y. Naga Mahesh is in progress.

- Research project on 'Effect of elevated temperature on concrete using copper slag as partial replacement of fine aggregate' of J. UshaKranti, P. SamathaChowdary, N. Tejaswini, P. Srilakshmi is in progress.

Patents Applications Published

- N. VenkataSairam Kumar, P. SamathaChowdary, Y. Madhavi, and R. Vaishnava Kumar, "Self-Healing concrete with microbial-induced calcite precipitation", Application No: 202341058342 A, Aug. 31, 2023.

- M. L.N.K.SaiMadupu, B.KrishnaChaitanya,N.Tejaswini, P.Sri Lakshmi, "Deep monitoring system to forecast defects in a building and provide alerts to builders", Application No: 202341079584 A, December 22, 2023.

Guest Lecture Organized

A guest lecture on 'Drone Surveying' by Mr. S. MohhamedHasifMeera, Senior Developer-GIS, Redleaf Technologies Pvt Ltd., Coimbatore was organized for II, III and IV B. Tech. students on August 31, 2023.

Conferences/ Workshops/Webinars/FDPs Attended

- A. Srinivasa Prasad, K. Leela Krishna, M. L. N. Krishna Sai, M. Srikanth Kumar, N. VenkataSairam Kumar, N. Tejaswini, PVS Maruthi Krishna, R. Vaishnava Kumar, S. V. Satyanarayana, Y. Madhavi one week online FDP, "Review on recent research in civil engineering", KallamHaranadha Reddy Institute of Technology, Chowdavaram, July 10–15, 2023.
- B. Krishna Chaitanya, B. YellamandaRao, G. Sanijya, P. Srilakshmi, Y. Naga Mahesh, two day workshop, "Induction training for young faculty" Indian Society for Technical Education (ISET) Chapter, RVR&JC college of engineering, Chowdavara, Guntur, July 26–27, 2023.
- N. VenkataSairam Kumar, R. Vaishnava Kumar one week online FDP, "Cloud infrastructure (AWS)", R.V.R & J.C College of Engineering, in collaboration with Brainovision Solutions India Pvt Ltd and All India Council for Technical Education, Chowdavaram, August 21–25, 2023.
- J. UshaKranti, P. Srilakshmi, three week online FDP, "Women entrepreneurship development program (WEDP)", RVR&JC College of Engineering, Chowdavaram, Guntur, Aug. 21–Sep. 8, 2023.

- B. KesavaRao, five day online FDP, “Analysis, design & testing of towers”, Dept. of Civil Engineering, NitteMeenakshi Institute of Technology, Bengaluru, Sep. 11–15, 2023.
- B. KesavaRao, five day online FDP, “Modelling processing and characterisation of composites”, Dept. of Mechanical Engineering, National Institute of Technology Karnataka, Surathkal and Central University of Karnataka, Kalaburgi, Sep. 13–17, 2023.
- G. Sanijya, webinar, “Importance of soil and water in achieving sustainable and resilient Agri-Food System”, Presidency University, Dept. of Civil Engineering and UN SDG Club, Bangalore, Dec. 15, 2023.
- R.Vaishnava Kumar, one day online FDP, “Advancements in FRP composites for Structural Applications and FRP composites for ship structures”, Sasi Institute of Technology and Engineering Tadepalligudem, Andhra Pradesh, Nov. 23, 2023.
- R.Vaishnava Kumar, one day online FDP, “Advancements in FRP composites for Structural Applications and Properties and Fabrication methods of FRP Composite Materials”, Sasi Institute of Technology and Engineering Tadepalligudem, Andhra Pradesh, Nov. 30, 2023.

Ph.D. Awarded

- B. Krishna Chaitanya was awarded Ph.D. degree from Annamalai University, Chidambaram, Tamil Nadu for his thesis on “Assessment of self-compacting concrete properties using waste copper slag as fine aggregate: An

experimental study”, under the guidance of Dr. IlangoSivakumarin, in Dec.07, 2023.

Student Activities/Chapters

- **Indian Concrete Institute (ICI):**

Conducted a guest lecture on ‘Construction of bridges’ delivered by Sri. P. Suresh Babu, Dy. Superintending Engineer, R&B Circle, Dargamitta, Nellore, India, Aug. 28, 2023.

- **Civil Engineering Association Activities:**

Conducted ‘Technical Quiz’ for II, III & IV year students on Nov. 04, 2023.

- **IGS Student Chapter:**

Conducted a Guest Lecture on “Advancedgeosynthetics for infrastructure projects’ Mr. R. Kiran Kumar, Manager (Technical & Marketing), TenCateGeosynthetics India pvt. Ltd., Hyderabad, on Oct. 03, 2023.

Industrial Tour

- B. Tech Semester VII [Final Year] (A, B & C Sections) students visited Pattiseema lift irrigation project, Polavaram Dam, Dhavleswaram Barrage, and Sir Arthur Cotton Barrage and Maredumilli Eco Trekking during Sep. 30—Oct. 01, 2023.

- B. Tech Semester IV [Second Year] (A & B Sections) students visited Takkellapadu Water treatment plants at Takkellapadu on Nov. 22, 2023.

- B. Tech Semester V [Third Year] (A & B Sections) students visited Dr. NarlaTatarao Thermal Power Plant on Nov. 27, 2023.

Faculty Promotions

- Dr. M. L. N. Krishna Sai and Dr. B. KesavaRao were promoted as Associate professor in the department of civil engineering on July 07, 2023.

EDITOR

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