



SAPTHAGIRI COLLEGE OF ENGINEERING

#14/5 Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

CE SUDDI

SEP 2022- MAY 2023

Engineering your dreams with us

VISION

To Create Technically Competent, Research Oriented and Ethically Robust Civil Engineers to address the current and future challenges of the society.

MISSION

- To Enhance proficiency in practical and theoretical concepts of Civil Engineering through a Supportive Environment.
- To Promote Higher Education, Research and Entrepreneurship in Civil Engineering and allied fields to meet the needs of global environment.
- To Create Civil Engineers of High Technical Competency with Ethical and Moral values.

Chairman: Sri G. Dayanand



The “CE-Suddi” Newsletter of the Civil Engineering department is providing great space for the faculty and students to pen down their innovative ideas, imagination and perceptions to show case their creativity. So, I take the opportunity to congratulate the department of Civil Engineering and its editorial team to successful release of this issue. I am sure that students and faculty will find the content of this edition very interesting and educating.

Executive Director: Sri G. D Manoj



I am indeed happy to know that the Civil Engineering department has taken initiative in realizing its semester wise newsletter “CE-Suddi” and urge faculties and students to make use of the platform to share and educate among themselves in publishing article pertaining to the emerging domain and articles of interesting. I congratulate the team of editorial community and department of Civil Engineering.

beloved students for their active participation in publishing this magazine. My special compliments and congratulation to the editorial team of the department for their consistent effort in publishing.

CE- Suddi

Dept of Civil Engg.

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HOD'S Desk



I am very happy to bring out the Departmental newsletter “CE-Suddi”. This newsletter outlines various activities that have taken place during April-June-2022 and the achievements of faculty and students. It is appreciable to find a considerable number of publications, participation of the staff in various conferences and events. I sincerely congratulate the Chairman, Principal, Vice Principal and editorial team of the department for their unrelenting efforts in compiling this News Letter.

In-house Events Organized

POSTER PRESENTATION

Poster Presentation has been organised to 3rd, 5th, 7th semester Civil Engineering students on 02.12.2022 under the guidance of Faculty Coordinators. Principal Dr. H Ramakrishna sir, Dr Rajeshwari R, head of the department, evaluators Prof Parshwanath sir, Department of Mathematics, Dr. Veena S More, Department of Biotech, Dr. Harish, department of Physics were present in occasion. All the Students were actively participated in presentation. Prepared posters on their own and presented in front of everyone.



WALKATHON

The An account of this Abhiyan in Saphthagiri college of engineering, department of civil engineering conducted WALKTHON between stretch of Saphthagiri college of engineering to MEI ground on 8/11/2022 Tuesday. To create awareness in the public to conserve water students walked on road by holding the Flockhart's.



INDUSTRIAL VISIT C BLOCK SAPTHAGIRI NPS UNIVERSITY

An Industrial visit was organized by department of civil engineering for 7th Semester Students at Sapthagiri college of Engineering construction site, Bangalore on 8th November 2022. This visit aims to provide practical knowledge of construction procedure, site execution and Resource management. Students were divided into 3 batches and sent them to the different parts in the site which includes shear wall construction, raft footing, and column reinforcement. Prof. Nagarjuna Gowda and site Engineer explained about all the components to the students. Also Bar bending procedure was demonstrated to the students. As students had studied RCC design in their theory, site visit helped them to understand it better and it helped to boost their confidence.



SITE VISIT TO SEWAGE TREATMENT PLANT

An Industrial visit was organized by Department Of Civil Engineering for 7th Semester Students at BWSSB-75 MLD sewage treatment plant Mailsandra, Bangalore on 13th Oct 2022. This visit aims to provide practical knowledge of waste water treatment units and its working principals. Miss Bhavani in charge of the plant explained about the working procedure of coarse screens, fine screen, grit removal chamber and plain sedimentation process.



SITE VISIT TO PRECAST YARD

An Industrial visit was organized by Department Of Civil Engineering for 7th Semester Students at BMRCCL Precast Yard, Hennur, Bangalore on 04th Nov 2022. This visit aims to provide practical knowledge of precast construction and its working principals. Mr Ramesh B N, in charge of the plant explained about the working procedure of precast construction that involves pre stressed concreting with the moulders.



WORKSHOP ON “INNOVATIVE AND DESIGN THINKING”

Department of Civil Engineering, Sapthagiri College of Engineering, Bengaluru has Organized ‘Workshop on Design thinking and Innovations’ on 14/12/2022. HOD and Faculty members of the department were coordinated each activity. Pick and speak, Group discussions, Problem solving methods and innovative ideas to a start a business. Dr R Rajeshwari, HOD-Department of Civil Engineering, addressed the students regarding the recycle products, reusage of water, new innovations in and around us and to encourage students to participate in economizing usage of paper and gave examples and activity ideas to save environment through our small daily routine work.



“WORKSHOP ON NEW TECHNOLOGY IN AI

A Workshop on New Technology in AI in Traffic Studies was organised for 3rd Semester Civil Engineering Students on 16 March 2023. The Workshop was aimed to enlighten the Application of AI Based Traffic Studies. The Students were exposed to the Applications of Software from Prof. Vinodkrishna M Savadi and Er. Akhilish Methre Traffic Analyst ACEPL Hubli Guided the Students for Hands on Experience on AI Based Data from Sky. Prof. Santhosh R Coordinated for the Program.



Faculty Participation & Achievements

FACULTY DEVELOPMENT PROGRAM ON TOTAL STATION

The Department of Civil Engineering had conducted a 3 day training program during the period 16.03.2023 to 19.03.2023 in various sessions for the faculties with objective of imparting adequate working knowledge on survey using total station. The days were divided into 6 sessions. The morning session of the first day constituted of a lecture for the faculties on how to use the instrument and its various applications. During the second session the faculties were tasked to do reconnaissance survey of an area. During this session they had roughly fixed the instrument stations and number of stations to be surveyed.



EXTENSIVE SURVEY CAMP

Extensive Survey (18CVP68) Project was conducted for the 6th Semester Students as per VTU Curriculum. The Camp was held at Melkote from 6th April to 15th April 2023. New Tanks are Constructed to provide water for multipurpose irrigation Purpose. The position of Centre line of the Highway on the ground is called the Alignment. The new alignment should be short, easy, safe & economical. The Highway Alignment may consist of Straight Path, Horizontal Curves & Vertical Curves. Highway Alignment should be carefully planned otherwise improperly aligned highway may result in capital loss in construction or loss in cost of maintenance and vehicle operation or both also in making a new layout on a barren/an agricultural area with all the amenities for comfortable living by making provisions for infrastructure such as roads, Water Supply, Sewage Disposal, Power lines, Parks or open spaces for Public buildings etc., as zoning regulations Adoptable to the location.



INTERNATIONAL CONFERENCE - ICGCP-2023

ICGCP 2023

International conference – ICGCP 2023 organised from 5 -7th of May 2023. Faculties and students presented papers on their respective domain. Final year students as well as pre final students presented papers and got certificate for the same.



Editorial Board

Chief Editor: Dr.Rajeshwari R
Professor & HOD

Co-Editor: Priyanka A
Assistant Professor