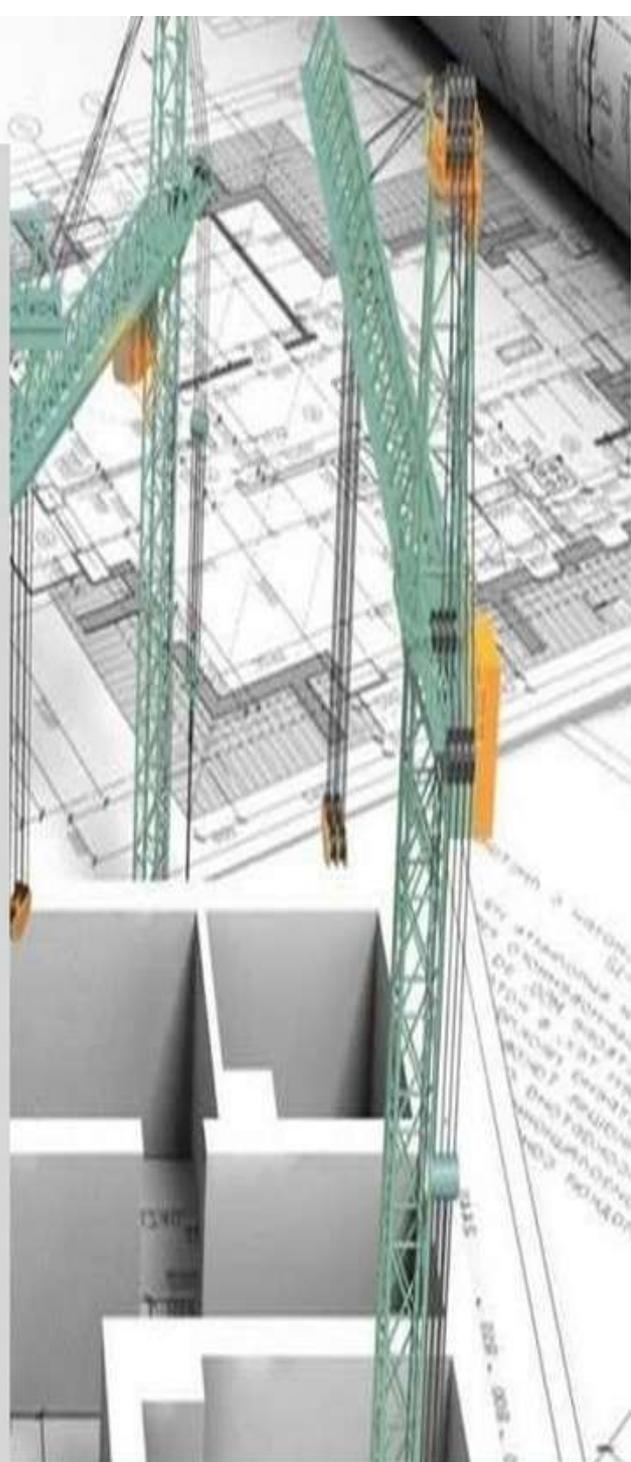


BENCHMARK

VOLUME 1 : ISSUE 2

2020 JANUARY - JUNE 2020

DEPARTMENT OF CIVIL ENGINEERING



A J INSTITUTE OF ENGINEERING AND TECHNOLOGY, KOTTARA
CHOWKI, MANGALORE- - 575006

COLLEGE VISION MISSION



VISION

To Produce Top-Quality Engineers Who Are Groomed For Attaining Excellence In Their Profession And Competitive Enough To Help In The Growth Of Nation And Global Society.



MISSION

M1: To offer affordable high-quality graduate program in engineering with value education and make the students socially responsible.

M2: To support and enhance the institutional environment to attain research excellence in both faculty and students and to inspire them to push the boundaries of knowledge base.

M3: To identify the common areas of interest amongst the individuals for the effective industry- institute partnership in a sustainable way by systematically working together.

M4: To promote the entrepreneurial attitude and inculcate innovative ideas among the engineering professionals.





Dr. A J Shetty
President, LMET



Mr. Prashanth Shetty
Vice-President, LMET



Dr. Shantharama Rai C
President, LMET



Prof. Vinod T D'Souza
HOD, CIVIL

'EVERY NEW DAY BEGINS WITH POSSIBILITIES'

I express my deep gratitude to the Management and the Principal for all their support in grooming of the Civil Department. The happenings of the department has been wonderfully penned down by the staff editor Mrs. Deeksha Anand and also Ms. Aashika Pai (4th year Civil) Mr. Swasthik Hegde (4th year Civil). I congratulate them and thank each and every one for their contribution at various levels.

EDITORIAL BOARD



Prof. Vinod T D'Souza
Chief Editor



Mrs. Deeksha Anand
Editor



Ms. Aashika Pai
Designer



Mr. Swasthik Hegde
Designer

DEPARTMENT VISION

To produce competent and professional civil engineers with academic excellence and ethics to meet societal challenges at global level.

DEPARTMENT MISSION

M1: To impart students with strong theoretical and practical skills through the state-of-the-art concepts and fundamentals of various civil engineering subjects.

M2: To prepare the students to be competent and skilled enough to take up the challenges in research to meet the ever-changing needs of society and to continue learning.

M3: To promote active learning, critical thinking, industry - institute collaborative activities and contribute to social development with ethical conduct.

M4: To nurture innovative ideas and develop entrepreneurial attitude among the engineering professionals.

DEPARTMENT PEO's

PEO1 - Apply concepts of interdisciplinary sciences and technology to solve any civil engineering problem.

PEO2 - Execute civil engineering projects effectively by addressing the ever-changing needs of society and aim for continuous improvement.

PEO3 - Competent enough to pursue higher studies and also to monitor and manage the research project with the effective utilization of resources to suit the needs and face the challenges involved to meet the global demands.

DEPARTMENT PSO's

At the end of the program graduates will be able to :

PSO1 - Should be able to understand the various domain concepts of civil engineering and execute the projects effectively.

PSO2 - Demonstrate competency in the technical community and arrive at sustainable solutions to the real world problems.

PSO3 - Take up challenging roles by focusing on a systematic approach

POs AS DEFINED BY NBA

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.

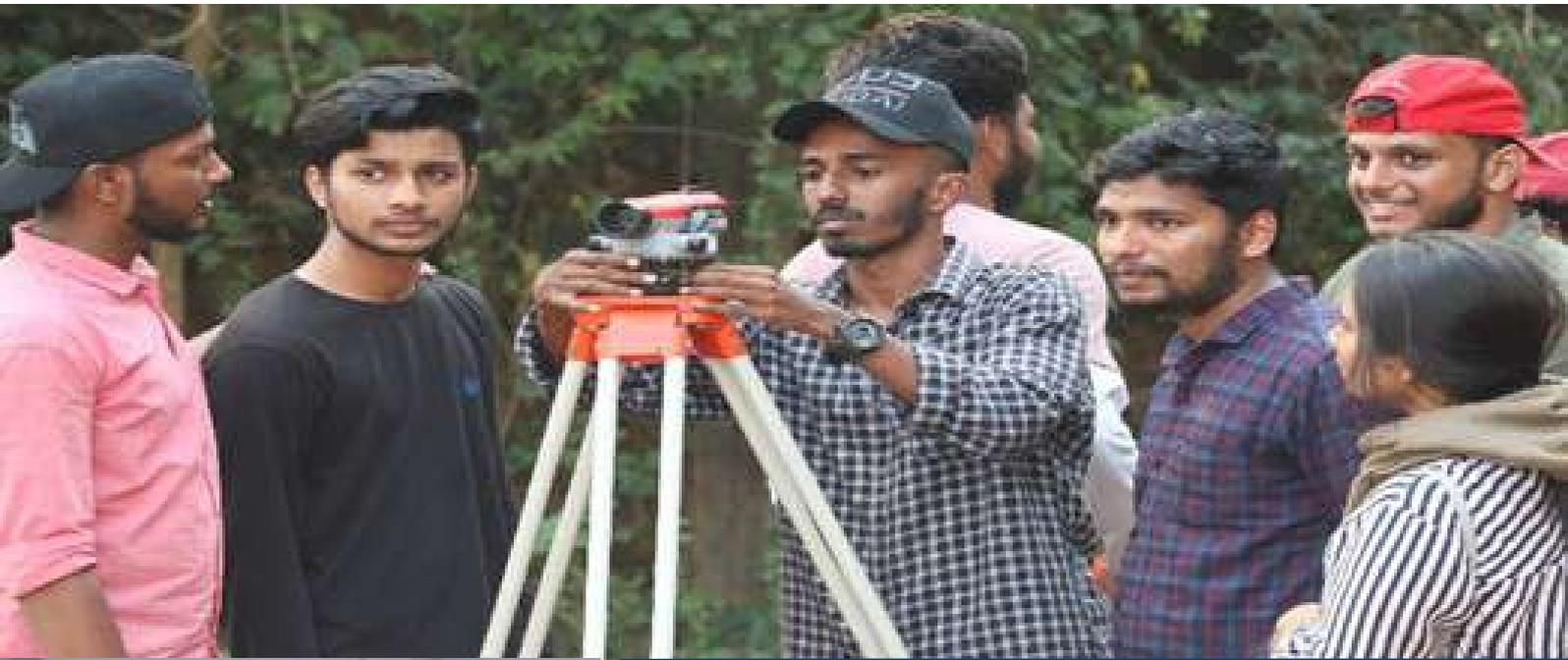
8.Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

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



EXTENSIVE SURVEY CAMP

Department of Civil Engineering conducted their 2nd Survey Camp for B.E 3rd year students of Civil Engineering successfully from 20th January 2020 to 27th January 2020 at Durga village, Karkala taluk.

This camp was aimed to groom civil engineering students with essential knowledge and exposure to the real work, and to encourage leadership and teamwork skills. This survey camp resulted in encouraging and supporting students, emerging as leaders in several areas of academic provision.

Students have conducted various survey practical projects which is taught as theory in classroom. Which included old tank project, new tank project, highway alignment project, and water supply project.



TEAM RESILIENCE-TECHNICAL ACTIVITIES



The Department of Civil Engineering in association with “Team Resilience” had organised an activity for 1 st year Civil Engineering students during association activity class on 26-02-2020.

The activity given to the students was “BUILT THE STRUCTURE”, where the students had to construct any of the structure using match stick and match box.

Students had participated actively in the event and come out with the creative ideas. Total 6 batches had actively taken part in the activity.

TEAM RESILIENCE-TECHNICAL ACTIVITIES

The Department of Civil Engineering in association with “Team Resilience” had organised an activity for all Civil Engineering students during association activity class on 04-03-2020.

The activity given to the students was “TECHNICAL QUIZ”. The event was organised by final year Civil Engineering students to 1st, 2nd, 3rd year Civil Engineering students. The student had faced four rounds where the first round was Maths Puzzle, followed by aptitude, general quiz and Technical quiz. In total seven teams were taken active participation in the event.





RIVET ARCHITECTURE

The department of Civil Engineering in association with Department association TEAM RESILIANCE had conducted Workshop on” RIVET ARCHITECTURE” for Second year Civil Engineering Students on 26th and 27th February 2020, at A. J Institute of Engineering and Technology, Mangaluru.

The main objective of this training is to describe building information modeling methodology and its benefit, Use of different parts of the Revit Architecture, user interface and work with different types of architectural elements and families. Revit Architecture is able to leverage dynamic information in intelligent models allowing complex building structures to be accurately designed and documented in a short amount of time.

Ms. Jahnvi C.S, Centre Head, Digi CADD Institute of Drafting and Designing, Mangalore was the Resource person and trainer for the Workshop.





SPORTS



MEET
2020



OVERALL CHAMPIOSHIP

Best athlete
winner

EXPLORED

The Cultural events



Students Achievements - Best Project Award

Yogesh Swamy, Adarsh Shetty, Abhilash T J, Swasthik of final year Civil engineering (Batch 2016-2020) Awarded Best Project Of The Year 2020 – 43rd KSCST Session Expo, Karnataka for the project “Assessment of surface and ground water quality near municipal solid waste dumping site area, Vamanjur, Mangalore, D.K.” under the guidance of Mr. Nitesh, Assistant Professor department of Civil engineering.



Congratulations

Students Achievements

Mahima N and Akhil of final year had participated in paper presentation competition on topic "A PROPOSED PLAN FOR REJUVENATE AND STUDY OF HYDRAULIC RESPONSE OF THE KAVOOR LAKE-MANGALORE URBAN at SDIT Mangalore under the guidance of Mr. Saketh Shetty, Assistant professor, Department of Civil Engineering and had won FIRST PRIZE.



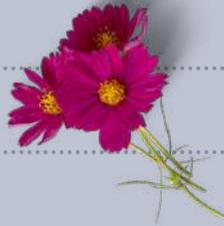
Congratulations



ACADEMIC TOPPERS



Ms. Ashika Pai of 8th sem scored 9.8 SGPA
in university exams



Mr. Pramith A Krishnan of 6th sem scored
10 SGPA in university exams



Ms. Deeksha of 4th sem scored 9.04
SGPA in university exams



ACADEMIC TOPPERS



Ms. ANJALI S RAO of 2ND sem scored
9.00 SGPA in university exams



Ms. AISHWARYA P of 2ND sem scored
9.00 SGPA in university exams



Ms. SHRIRAKSHA N CHITRAPUR of 1ST
sem scored 9.00 SGPA in university
exams



COLLABORATION WITH SMART CITY



VISIT 1



VISIT 2



Department of Civil Engineering collaborated with smart city officials to enhance the Kavoor lake's present state. Mangalore smart city has received our department expertise Mr. Vinod T Dsouza and Mr. Saketh Shetty for discussion on condition of the lake and the further improvement to be made

PLACEMENTS



Ashika Pai of 8th sem placed in Agrima Roof and Façade systems as a construction Engineer with 3.5LPA



Abhilash T J of 8th sem placed in Agrima Roof and Façade systems as a construction Engineer with 3.5LPA



Megha P A of 8th sem placed in Desalt BPO Services Pvt Ltd as a Trainee Recruiter with 3.2LPA



Muneeb Ali of 8th sem placed in Chibber Construction as a Site Engineer with 3LPA



Nazim Ullal of 8th sem placed in Chibber Construction as a Site Engineer with 3LPA

FACULTY ACHIEVEMENTS

- 1.Suman Kundapura and Arkal Vittal Hegde “Wave runup parameter prediction for beyond the data ranges of a semicircular breakwater, First International Conference on emerging trends and challenges in applied science Engineering and Technology 2020, Bangalore, March 10 - 11, 2020 .
- 2.Amarnath Shetty “Open dump yard and their environmental impacts on groundwater source (study area dump yard of karwar, karnataka, india” international of. multidisciplinary research &advance. in engineering. (ijmrae), issn 0975-7074 , vol. 6 , pp. 922

