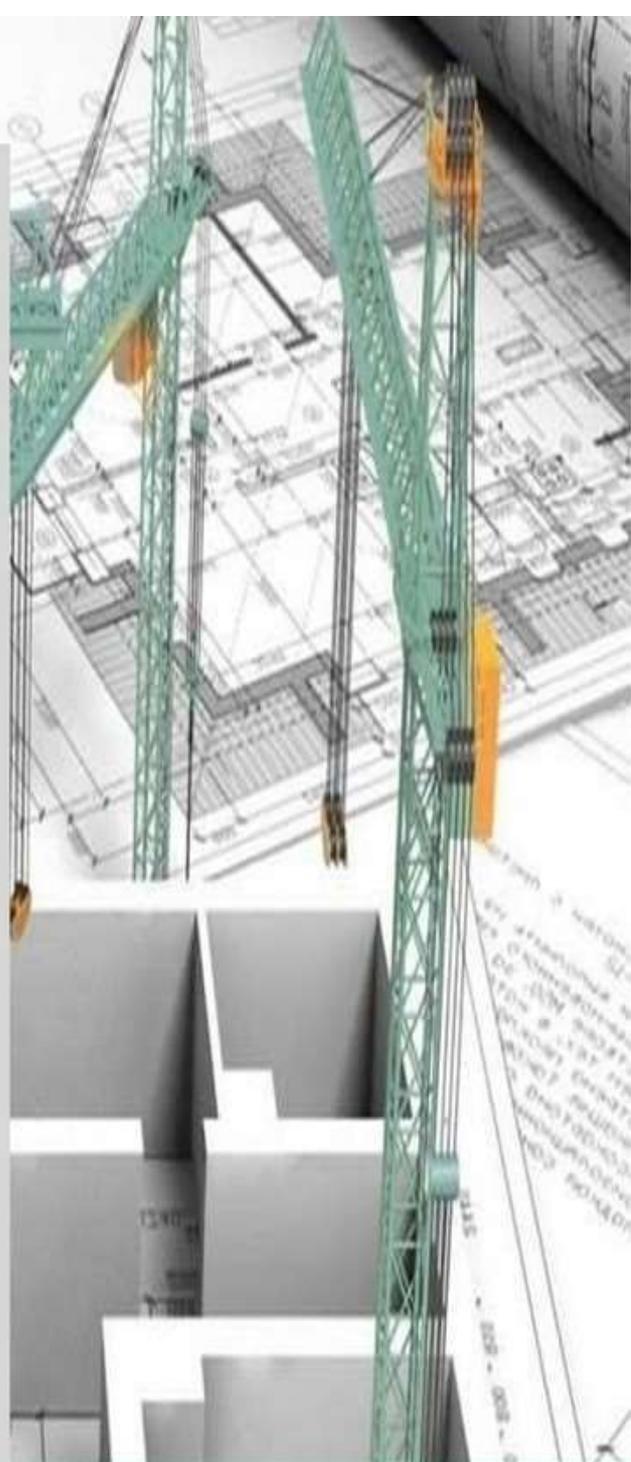


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DEPARTMENT OF CIVIL ENGINEERING



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.



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

WORKSHOP ON RIVET ARCHITECTURE



The department of Civil Engineering in association with Department association TEAM RESILIANCE had conducted Workshop on "RIVET ARCHITECTURE" for Final year Civil Engineering Students on 26th July 2019, at A. J Institute of Engineering and Technology, Mangaluru. The main objective of this training is to describe building information modelling methodology and its benefit. Use different parts of the Revit Architecture user interface and work with different types of architectural elements and families. ER. A. KALAIARASAN, Senior Engineer, CADD Centre training Service Pvt. Ltd, Chennai was the Resource person and trainer for the Workshop.

WORKSHOP ON MANAGING TOOLS AND PROJECTS IN AUTOCAD



The department of Civil Engineering in association with Department association TEAM RESILIANCE had conducted Workshop on "MANAGING TOOLS AND PROJECTS IN AUTOCAD" for second and third year Civil Engineering Students from 31 st July to 3 rd of August 2019, at A. J Institute of Engineering and Technology, Mangaluru.

The main objective of this training is to introduce students the basic commands and tools necessary for professional 2D drawing, design and drafting using AutoCAD.



BRANCH INAUGURATION OF STUDENT ASSOCIATION

The Association of Civil Engineering students - Team Resilience for the academic year 2019- 2020 was inaugurated on 22.08.2019, Thursday by Er. V R Kowshika, Director, Qcrete Ready-mix (India) Pvt.Ltd. at 2:00 PM in Seminar hall-1.

Er. V R Kowshika, had explained about the importance Civil Engineering, how to build the carrier, motivated the students to work in a team. He also told the students about importance of getting marks, leadership qualities to get into a professional life. The president of student association Mr. Ashish V Kumar had given a brief report on the activities

conducted by the association in the year 2018-19 and to be conducted in the year 2019-2020.

TECHNICAL TALK



Association of Civil Engineering Student Team "Resilience" in coordination with Association of Consulting Civil Engineers (I), Mangalore Chapter had conducted a Technical talk on September 18th 2019 on account of Engineers Day, at A. J Institute of Engineering and Technology .

Er. Ekanath Dandakeri Sigma Consultant, Mangalore, Dr.Rajesh G D'Souza, Principal, Yenepoya Institute of Technology Moodbidiri and office barriers of the Association of Consulting Civil Engineers and Ramco cement were present on the occasion.

Er. Ekanath Dandakeri, delivered a Technical session on “Earth Retaining Structures”, in which the different types of retaining structures were explained. He also explained why and how the structure fails and collapse and what are the remedial measures to be taken.



Dr. Rajesh G D'Souza presented a session on “Advances in concrete”, in which he explained about the meaning of concrete and the difference between cement concrete and concrete in the very interesting way. He has also explained different types of concrete its importance and applications

STUDENTS BRIDGE MODEL





INDUSTRIAL VISIT OF STUDENT ASSOCIATION

A technical visit to "DAKSHINA KANNADA NIRMITHI KENDRA" was organized for the Civil Engineering students of third semester who have just entered their respective branches. A half day visit to the Nirmithi Kendra was informative and productive. During the visit, the Bio-Digester for Toilet Unit was explained to the students by Mr. Navith, Engineer, Dakshina Kannada Nirmithi Kendra. The importance of Bio-Digester, its applications, installation methods in existing buildings and new buildings was explained to the students.

Rain water harvesting structures being the need of the hour was very well demonstrated by Mr. Rajendra Rao Kalbavi, Project Manager, Dakshina Kannada Nirmithi Kendra. Finally, a live demonstration of an arch structure using brick and mortar was shown at the site.





AYUDHA POOJA

Department of Civil Engineering, A J Institute of Engineering and Technology celebrated Ayudha Pooja on 5th of October 2019. All were gathered in the Geotechnical lab to pay reverence to the equipment that allows for smooth learning. At 10:30 am, the ceremony started with the Pooja to the goddess. The occasion was graced by our Principal, HODs, Faculties, Staffs and Students.

The students exhibited great enthusiasm and integrity and their team work from the eve of the pooja to the completion of the ceremony was highly appreciable.



Students Achievements



Mr. Shashank Devadiga of 6th sem Civil Engineering participated in 400 m Running, VTU Level and won 4th prize



Mr. Shashank Devadiga of 6th sem Civil Engineering has bagged the highest number of prizes relay at the college level sports day and has shown the true sportsmanship to his peers

ACADEMIC TOPPERS



Ms. Ashika Pai of 7th sem scored 9.54
SGPA in university exams



Mr. Pramith A Krishnan of 5th sem scored
9.15 SGPA in university exams



MS. ANANYA KUDYADI of 3RD sem scored
8.36 SGPA in university exams



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

Grants Received for Major Projects by Students

Sl.No	Guide Name	Student Name	Title of Project	Funding Agency	Grant Amount	Awards if any
1	Mr. Saketh Shetty	MAHIMA N(TL), 4JK17CV407 IBRAHIM NAZEEM SHAKIBU, 4JK17CV405 AKHIL P, 4JK16CV003	A proposed plan for rejuvenate and study of hydraulic response of the Kavour lake – Mangalore urban	KSCST	5000	-
	Mr. Nitesh K.	YOGESHASWAMY K.P. (TL), 4JK16CV021 ADARSH SHETTY, 4JK17CV402 SWASTHIK, 4JK16CV020 ABHILASH T.J., 4JK17CV401	Assessment of surface and ground water quality near municipal solid waste dumping site area, Vamanjoor, Mangalore, India.	KSCST	5000	BEST PROJECT AWARD
3	Mr. Saketh Shetty	MAHIMA N(TL), 4JK17CV407 IBRAHIM NAZEEM SHAKIBU, 4JK17CV405 AKHIL P, 4JK16CV003	A proposed plan for rejuvenate and study of hydraulic response of the Kavour lake – Mangalore urban	VTU Innovative Project Grants	5000	
4	Mr. Nitesh K.	YOGESHASWAMY K.P. (TL), 4JK16CV021 ADARSH SHETTY, 4JK17CV402 SWASTHIK, 4JK16CV020 ABHILASH T.J., 4JK17CV401	Assessment of surface and ground water quality near municipal solid waste dumping site area, Vamanjoor, Mangalore, India.	VTU Innovative Project Grant Awards	5000	

FACULTY ACHIVEMENT

1. Dr. Suman Kundapura had attended workshop on Innovative concepts of ocean Engineering at NITK, Surathkal, on April 26 th, 20 19 .
- 2.Mrs. Deeksha Anand has participated in three-day FDP on “FORENCICS IN CIVIL ENGINEERING” at St. Joseph Engineering College on July 22nd to 24 th 20 19 .
- 3.Mrs. Deeksha Anand has successfully completed 12 weeks NPTEL course on concrete Technology in the month of July-October 2019



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

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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.

