A.J. Institute Of Engineering And Technology

Kottara Chowki Mangaluru - 575006

BENCHMARK

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DEPARTMENT OF CIVIL ENGINEERING

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. Shantharam Rai C
Principal, AJIET

Dr. Suman Kundapura
HOD,CIVIL

"YOU ARE WHAT YOU ARE BECAUSE OF WHAT YOU ARE - BE YOUR BEST"

I express my deep gratitude to the Management and the Principal for all their support in grooming of the Civil Department. Despite of the pandemic the entire department has been wonderfully performing and it gives us immense pleasure to release this newsletter. The staff editor Mrs. Deeksha Anand and her team has done a commendable job in bringing out this issue, hearty congratulations to them. I also thank the entire Civil Engineering department who have kept the learning going during the distress.

EDITORIAL BOARD

Dr. Suman Kundapura
Chief Editor

Mrs. Deeksha Anand
Editor

Mr. Mohammed Qais
Desginer

Mr. Preetham Naik
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

PEC1 - Apply concepts of interdisciplinary sciences and technology to solve any civil engineering problem.

PEC2 - Execute civil engineering projects effectively by addressing the eve changing needs of society and aim for continuous improvement.

PEC3 - 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 :

PSC1 - Should be able to understand the various domain concepts of civil engineering and execute the projects effectively.

PSC2 - Demonstrate competency in the technical community and arrive at sustainable solutions to the real world problems.

PSC3 - 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.

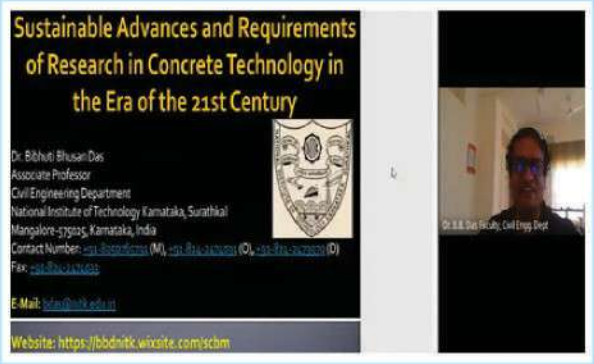
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural. societal.and environmental considerations.

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 consequentresponsibilities 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 instrutions.
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

WEBINARS

The Department of Civil Engineering in association with "Team Resilience" organized webinar on Steel detailing using Tekla Structure on 17th July 2021 by Er. Kumar, Structural Designer, Team Techkindreds.
The objective of the talk was to introduce the students with the basics of steel detailing and its importance in their professional career including conceptual design to actual 3D detailing. 50 students have attended the webinar.

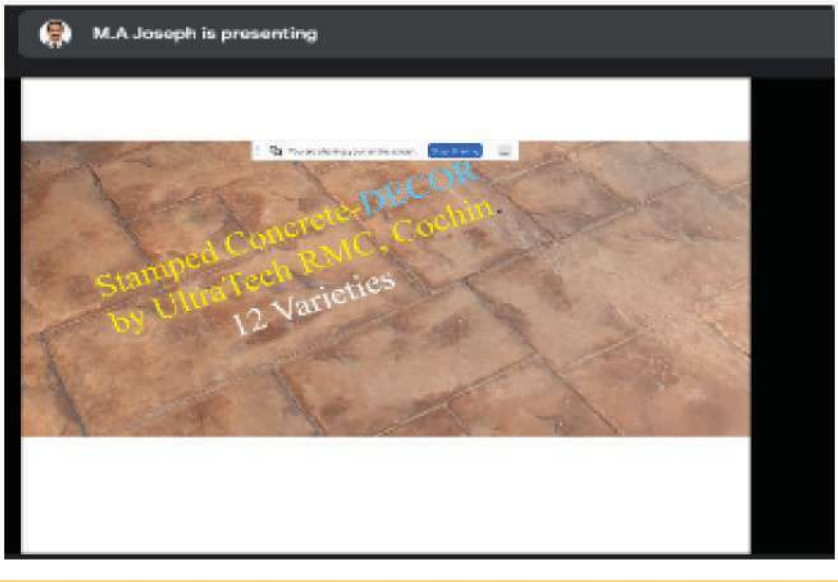
The Department of Civil Engineering had conducted a Talk on "Webinar on sustainable Advances and requirements of Research in the Era of 21st Century" on 12th August 2021 by Dr. Bibhuti Bhusan Das.
The main objective of talk was to educate students on sustainable materials.

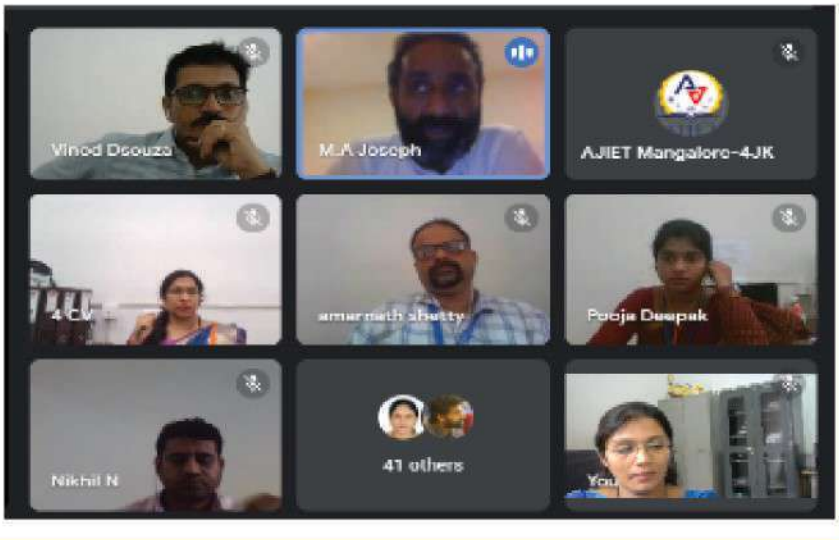


The Department of Civil Engineering in association with student association "TEAM RESILIENCE" had conducted Webinar on "STRESS MANAGEMENT" for students and faculties on 4th September, 2021 by Dr. Malini Desai, MD Homeopathy, Associate Professor, Department of OBG Mahalaxmi Homeopathic College, Satara.
The main objective of talk is to understand the nature of stress and its impact on health and behaviour which was attended by 32 participants

TECHNICAL TALK

The Department of Civil Engineering in association with student association "TEAM RESILIENCE" had conducted technical talk on Concrete Concepts on 7th August 2021 by Er. M A Joseph. The main objective of this talk is to know the difference between cement and concrete. And how cement and concrete are used and also to understand the different types of admixtures used in the preparation of concrete



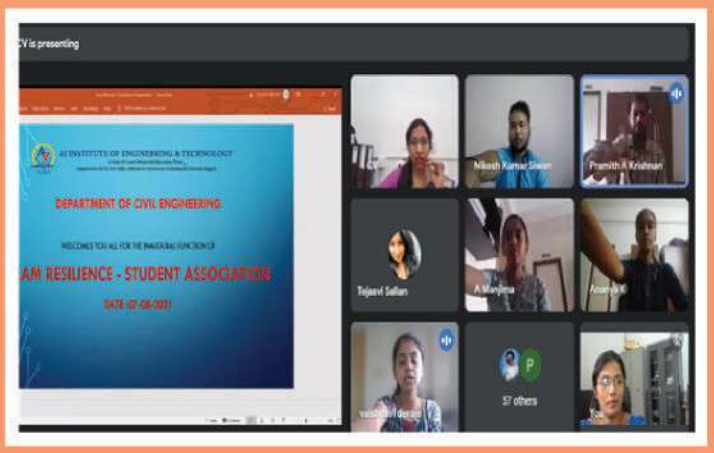


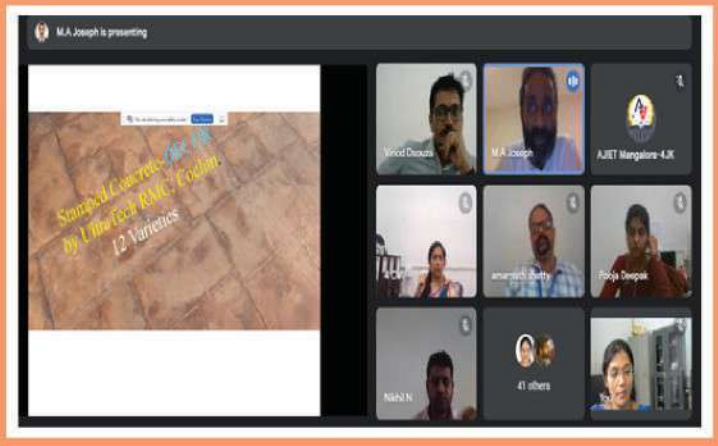
CONFERENCE

A two-day Global Conference of Recent Advances in Sustainable Materials (GC-RASM 2021) was conducted on 29th and 30th July 2021. The function was presided by Mrs. Ashritha P. Shetty - Director, LMET(R), Principal Dr. Shantharama Rai C., Chief convenor of GC-RDCT 2021 Dr. Nagesh H.R., Chief convenor of GC-RASM 2021 Dr. Sangeetha D.M. and HOD's of various departments. The CMS partner for the conference Dr. Thangaprakash S. from Diligentec solutions released the conference souvenir virtually and delivered a talk on about the conference. Principal Dr. Shantharama Rai C. addressed the gathering about the Institute and the conference. Presidential address was delivered by Mrs. Ashritha P. Shetty and congratulated the team for organizing the conference at international standards. Around 98 papers were presented virtually out of 106 registered papers.

STUDENTS ASSOCIATION

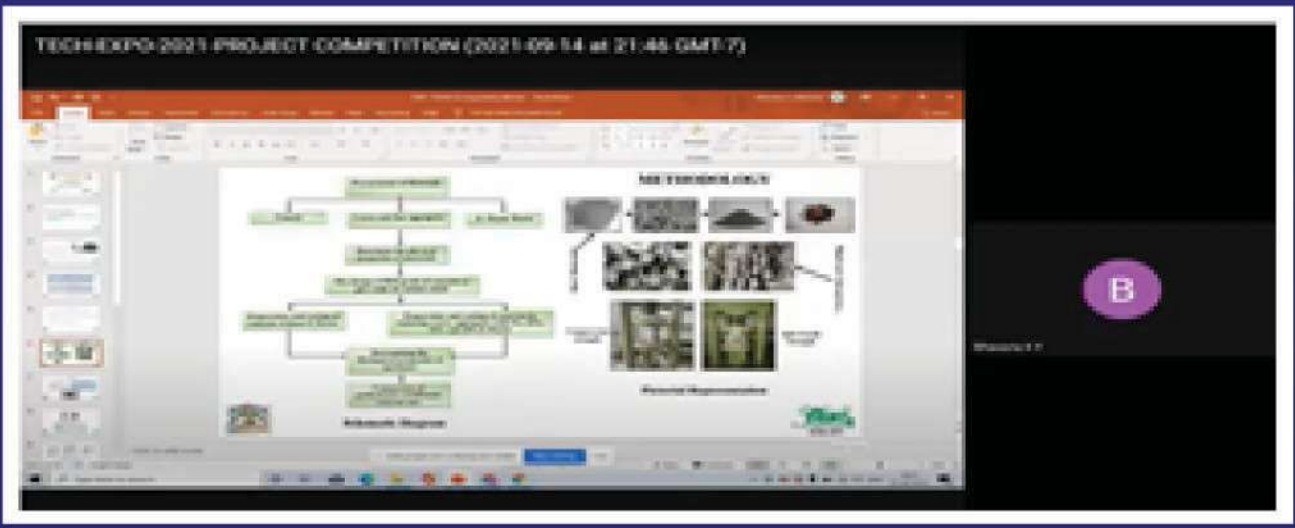
Inauguration of Students Association – "Team Resilience" for the academic year 2020-2021 was held on 07-08-2021 by Er. M A Joseph, Head of Technical Services, UltraTech Cement Ltd., Kerala. Dr. Suman Kundapura, Head of Civil Engineering Department welcomed the gathering. Ms. Deeksha Anand, association coordinator welcomed the new office bearers of Team Resilience. The President of student association Mr. Pramith A Krishnan gave a brief report on the activities conducted by the association in the year 2019-20 and 2020-21. Mr. Vinod T D'Souza, Associate Professor had given a brief introduction of the chief guest. Er. M.A Joseph. The formal function was followed by a technical talk on "concrete concepts" by the honored speaker Er. M. A Joseph, through which students and all the participants got an opportunity to learn more about concrete concepts.





PROJECT COMPETITION

Department of Civil Engineering in Association with AJIET chapters Institute of Engineers India (IEI) and Indian Society for Technical Education (ISTE) has organized a National Level Inter College Project Competition AJIET - TECH EXPO – 2021 through virtual mode on 15th September 2021 on occasion of Engineers Day. The program was formally inaugurated by Head of Civil Engineering Department, Dr. Suman Kundapura, Convener Prof. Vinod T D'Souza and Mr. Nitesh



SKILL DEVELOPMENT PROGRAMME

Department of Civil Engineering had organized a two-week skill development program for the final year students from 30 th August, 2021 to 12 th September 2021. The objective of this program is to train the students in the practical aspects of construction and also to inculcate the self-confidence within the students. The program was inaugurated by Dr. Suman K, Head of Civil Engineering Department. The various sessions were handed by the faculty of department. Prof. Janakaraj, Assistant Professor, NMAMIT Nitte gave the training in M S Project software