



A.J. Institute Of Engineering And Technology

Kottara Chowki Mangaluru - 575006



BENCHMARK

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2022 APRIL - 2022 JUNE

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
Designer



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 ever 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 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**

TECHNICAL TALK



Department of Civil Engineering, in association with Eco club had organized technical talk on 26 May 2022 at seminar 1, Vasumathi Shetty, Strategy officer at Niyo Innovation and skill Mangalore took over the session. The primary objective of this technical talk is about water management and its skill, how to save the water and how to manage the water for future generation



Department of Civil Engineering, in association with student association TEAM RESILIENCE had organized technical talk on Importance of Gate and its Career Opportunities for all Civil Engineering students of AJIET at B block. The speaker Mr. Akahay Naik, Business development Manager, Prepladder has explained, What are the opportunities through the GATE exam, Will it be useful to just clear GATE, What material must we follow, Will GATE preparation help me in campus selection, How many months of preparation is needed? In total 72 students had actively participated in the event.

TWO DAYS WORKSHOP ON 3DS MAX



Department of Civil Engineering, in association with student association TEAM RESILIENCE had organized two days workshop on 3DS MAX for final year students on 21st and 22nd May 2022 at A block 3rd floor CAAD Lab. Er. Wiltan Arul Fernandes and Ms. Dhanyashree, Design Engineers from Dream zone Mangalore took over the session. Department of Civil Engineering, in association with student association TEAM RESILIENCE had organized two days workshop on 3DS MAX for final year students on 21st and 22nd May 2022 at A block 3rd floor CAAD Lab. Er. Wiltan Arul Fernandes and Ms. Dhanyashree, Design Engineers from Dream zone Mangalore took over the session.



The primary objective of this course is to teach students the essentials of working in 3D using an array of features and tools. This course teaches new users the basics of creating, embellishing, and animating 3D scenes. After completing this course, student should be able to: Model objects using a variety of techniques, Design and apply materials, Adjust basic lighting, Animate simple objects, Build and animate simple, effective environments

SECOND GRADUATION DAY OF AJIET (BATCH 2017-2021)



Second graduation day of AJIET for the batch 2017-2021 was held on 30th April 2022 at Mothi Mahal Convention hall, Mangalore. Mr. Angara S, Minister of Fisheries, Ports and Inland Transport Department of Karnataka was the chief guest, Mr. Sreenivasa Ramanujan was the guest of honour for the program, presided by Dr. A J SHETTY, President of Laxmi Memorial Educational Trust Mangalore. All the graduates were honoured with certificates and Medals.



FELICITATION



Ms. Ashika Pai of Batch 2016-2020 has been felicitated both from A J Institute of Engineering and Technology and Department of Civil Engineering for her outstanding performance in Academics and securing second rank in VTU.

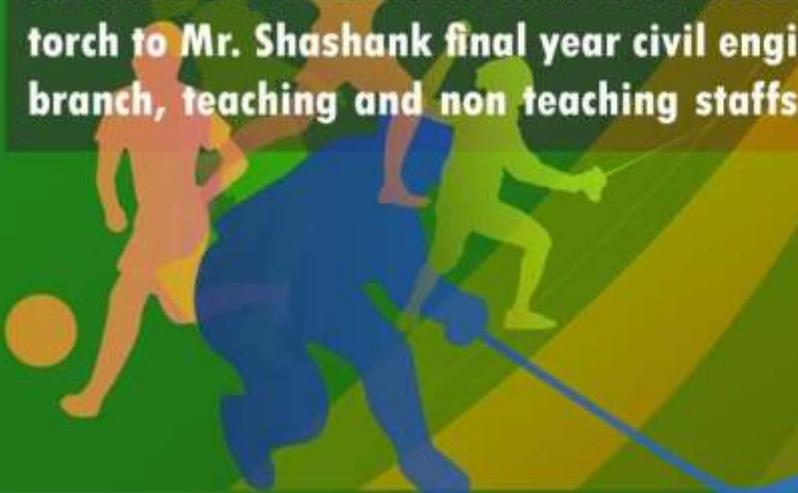


SPORTS DAY



AJIET ANNUAL ATHLETIC MEET – 2022 was organised at A.J Institute of Engineering and Technology, by Sports committee with the help of all staff members on April 22nd 2022.

The inaugural session started at 9.00AM with march past of all classes from different branch followed by college flag hoisting and floral welcoming the guests. Dr. Shantharama Rai C, Principal, AJIET addressed the gathering through his energizing words about the importance of sports and discipline in day today life later he declared the Annual Athletic Meet Open and handed over the lighted torch to Mr. Shashank final year civil engineering student. All the HOD's of various branch, teaching and non teaching staffs were present in the inaugural function.



SPORTS DAY- STUDENTS ACHIEVEMENT

Students of Civil Engineering Department had bagged many prizes in Annual Athletic meet held at AJIET on April 22ND 2022 and the list is as follows.

NAME OF THE STUDENT	SEMESTER	NAME OF THE EVENT	PRIZEWON
KSHAWARA RAJ	6 TH SEM	JAVELIN THROW	2 ND
SHASHANK	8 TH SEM	100 METERS	2 ND
ABHINAND K PRAMOD	6 TH SEM	100 METERS	3 RD
SHASHANK	8 TH SEM	100 METERS	1 ST
AMOGH M G	4 TH SEM	400 METERS	2 ND
SAGAR	6 TH SEM	1500 METERS	3 RD
ABHINAND K PRAMOD	6 TH SEM	LONG JUMP	1 ST
SHASHANK	8 TH SEM	LONG JUMP	2 ND
KSHAWARA RAJ	6 TH SEM	SHOT PUT	3 RD
ANJALI S RAO	6 TH SEM	800 METERS	2 ND
SAI TEJ	4 TH SEM	DISCUSS THROW	3 RD
ABHINAND K PRAMOD	6 TH SEM	HIGH JUMP	1 ST



SPORTS DAY- STUDENTS ACHIEVEMENT



FISRT PRIZE IN MARCH- PAST DURING SPORTS MEET-2022



FAREWELL-2021

Department of Civil Engineering AJIET had organized farewell party for 2017-2021 batch students on 30-4-2022 at B block Room Number 313. During this moment the 1st batch student Ms. Ashika Pai has been felicitated for securing 2nd Rank in VTU. Final year and pre final year students had taken Incharge of conducting program and the event had run smoothly with 107 student participation. All the aluminis were greeted with the token of love from Team Resilience during the occasion and Hod had addressed the gathering. The program was followed by cultural program and fun games.



Good Bye
And
Good Luck

ACHIEVEMENT

Suraj S Shetty and Sidharth V Nair of 8th sem Civil Engineering had participated in state level Techno-Cultural fest- SENTIA-2022 at MITE and received first prize in paper presentation for the paper Preliminary Investigation for lake, Mangalore on 16th April 2022



Kshawara Raj, Vaishnavi D Rao of 6th sem Civil along with the dance team had participated in state level Techno-Cultural fest- SENTIA-2022 at MITE and received Second prize in Eastern Group dance on 16th April 2022



Kshawara Raj, Vaishnavi D Rao, Aishwarya of 6th sem Civil along with the dance team had participated in state level Techno- Cultural fest- TIARA-2022 at SJEC and received Second prize in event Nruthya on 19th May 2022





Salwin Sabu and Shobith of 8th sem had participated in state level Techno- Cultural fest- SAMBHRAM-2022 at SDIT and received Second prize in paper presentation for the paper Preliminary Investigation for lake, Mangalore on 5th June 2022

Salwin Sabu and Shobith of 8th sem had participated in state level Techno- Cultural fest- SAMBHRAM-2022 held at at SDIT and received First prize in Bridge Designing on 5th June 2022

Salwin Sabu of 8th sem had participated in state level Techno- Cultural fest- SAMBHRAM-2022 at SDIT and received First prize in Auto CADD on 5th June 2022

Shobith of 8th sem had participated in state level Techno- Cultural fest- SAMBHRAM-2022 at SDIT and received Second prize in Auto CADD on 5th June 2022

PROJECT GRANTS

Sl.no	NAME OF THE GUIDE	USN	STUDENT NAME	PROJECT TITLE	GRANT AMOUNT	Funding Agency
1	DR. SUMAN KUNDAPURA	4JK18CV018	MR. NIKESH KUMAR SIWAN	LOW COST SENSOR BASED KIT TO DETECT THE GHG GAS EMISSIONS FROM SEWAGE AND INDUSTRIAL EFFLUENTS IN MANGALORE AND PUBLIC AWARENESS SURVEY OF THE SAME	7,000.00	KSCST
		4JK19CV400	MR. A PREM KUMAR			
		4JK18CV011	DILEEP M			
		4JK17CV045	MS. SUNAINA GHARTI			
2	DR. SANGEETHA D.M	4JK19CV401	COSTA JANAVI	STRENGTH EVALUATION OF STEEL PLATE GIRDER USING STAAD PRO	4,000.00	KSCST
		4JK18CV001	MANJIMA A			
		4JK18CV006	ANA NYA KUDYADI			
		4JK18CV008	CHAITANYA C H			
3	PROF. NITHESH	4JK18CV010	DEEKSHA	EVALUATION OF PHYSIOCHEMICAL CHARACTERISTICS AND METAL CONTAMINATION RISK IN NETHRAVATHI AND GURUPURA RIVER BASIN : OVERVIEW OF POLLUTION INDICES WITH RISK ASSESSMENT AND APPLICATION OF LOW -COST WATER FILTER.	7,000.00	KSCST
		4JK18CV026	SRIDEVI R			
		4JK18CV027	SUJITH S POOJARI			
		4JK19CV403	PRAJNA			
4	DR. SUMAN KUNDAPURA	4JK18CV018	MR. NIKESH KUMAR SIWAN	LOW COST SENSOR BASED KIT TO DETECT THE GHG GAS EMISSIONS FROM SEWAGE AND INDUSTRIAL EFFLUENTS IN MANGALORE AND PUBLIC AWARENESS SURVEY OF THE SAME	5000	VTU - Innovative Grant
		4JK19CV400	MR. A PREM KUMAR			
		4JK18CV011	DILEEP M			
		4JK17CV045	MS. SUNAINA GHARTI			
5	DR. AMARNATHA SHETTY	4JK18CV017	NICKSON GEORGE	WATER QUALITY ANALYSIS AROUND AJIET CAMPUS	5000	VTU - Innovative Grant
		4JK18CV020	NIRENAN S			
		4JK18CV031	VYSHNAV SUNIL			
		4JK18CV012	K VYSAKH			



PROJECT COMPETITION- PROJECT EXPO-2022

SI.NO	USN	NAME OF THE STUDENT	NAME OF THE GUIDE	NAME OF THE PROJECT	PRIZE WON
1	4JK18CV017	NICKSON GEORGE	Dr. Amarnath Shetty	Water Quality Analysis Around AJIET Campus	1 ST PRIZE
	4JK18CV020	NIREN JAN S			
	4JK18CV031	VYSHNAV SUNIL			
	4JK18CV012	K VYSAKH			
2	4JK18CV018	NIKESH KUMAR SIWAN	Dr. Suman Kundapura	Low -Cost Sensor Based Kit To Detect The Ghg Gas Emissions From Sewage And Industrial Effluents In Mangalore And Public Awareness Survey Of The Same	2 ND PRIZE
	4JK17CV045	SUNIAINA GHARTI			
	4JK19CV400	A PREM KUMAR			
	4JK18C V011	DILEEP M			

FACULTY PUBLICATION/CONFERENCE

Dr. Sangeetha D.M, Associate Professor, Department of Civil Engineering had participated in Proc. of Second Global Conference on Recent Advances in Sustainable Materials GC-RASM 2021-22 and presented paper titled Influence of Treated Coir Fiber on Durability Properties of Black Cotton Soil.

Dr. Sangeetha D.M, Associate Professor, Department of Civil Engineering had participated in National Conference on Advances in Mechanical Engineering (NCAME 2022). 16-17th June 2022 and presented paper titled Strength Evaluation of Steel Plate Girder.

