



CE - ಸುದ್ದಿ

Biannual newsletter



Vol. 5

MYSURU BENGALURU EXPRESSWAY

Department of Civil Engineering
MIT Thandavapura



MAHARAJA INSTITUTE OF TECHNOLOGY THANDAVAPURA

About MITT

MITT, started in the year 2016, is founded by a group of eminent people recognised for their eminence in the field of science and engineering technology. Many of them have served at the highest levels of AICTE and Univesrity. MITT is situated at a beautiful, enchanting & sparwling landscape. MIT Thandavapura is a career-focused college that provides a comprehensive educational experience in a variety of growing areas of employment.

VISION

To be recognized as a premier institute in creating competent graduates driven towards socio-technical needs

MISSION

To exhibit quality in the process of teaching and learning evolved through continual feedback

To create an ecosystem of greater learning through research and innovation.

To engage in self-learning through interaction with industry and alumni

To maintain professional and ethical approach in dealing with stakeholders.



About the department

Department of Civil Engineering has an intake of 60 and is known for providing quality education with importance to skill and personal development. The department is committed to keeping up with industry standards and students are given ample exposure and training in career opportunities, technical & professional skills required for industry and entrepreneurship.



About CE - ಸುದ್ದಿ

Department of Civil Engineering started the publication of bi-annual newsletter from even semester of AY 2019-20 and is happy to release Volume 5. The newsletter outlines all academic and non academic activities of a semester like results, research activities, events, achievements and more. Department is thankful to the Head of the Institution and management for their support and encouragement.

DEPARTMENT OF CIVIL ENGINEERING



VISION

To be the pioneer in producing competent Civil engineering graduates with knowledge, skills and attitudes that best serves the society

MISSION

- ✔ To impart Civil engineering knowledge relevant to the current challenges through learner centric teaching methodologies and industry institute interactions
- ✔ To instill essence of entrepreneurial attitude through extension of greater learning drawn from research and consultancy
- ✔ To enact standards, morals and ethics that potentiates positive development of the society

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- ✔ Acquire start up position in industry and excel in chosen area of employment
- ✔ Engage in greater learning through research, higher studies or collaboration
- ✔ Instigate entrepreneurial ventures and exhibit apt leadership for greater benefit of the society



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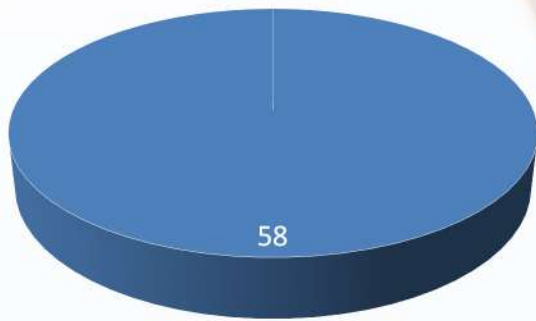
✉ hodce.mitt@gmail.com

📍 Mysore – Ooty Road, Just off NH 766, Nanjangud Taluk, Thandavapura, Mysuru – 571302

Result Analysis

2021-22 Even semester

8th SEMESTER



- Total pass
- Failed in one sub
- Failed in two subjects
- Failed in three subjects
- Failed in four or more subjects

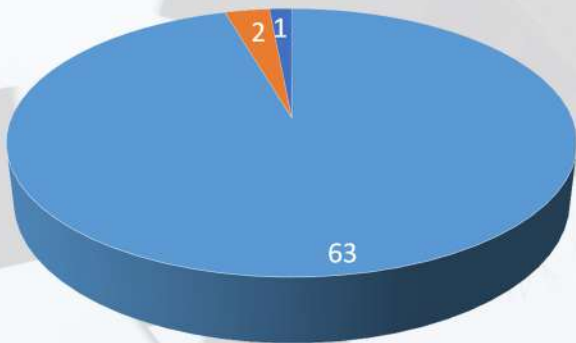
CLASS TOPPERS

- 1) BHOOMIKA K - 9.83 SGPA
- 2) CHARANPRAKASH - 9.83 SGPA
- 3) SIRI R - 9.83 SGPA

SUBJECT TOPPERS

- 1) BHOOMIKA K - 18CV81 - 88 MARKS
MAHESHKUMAR - 18CV81 - 88 MARKS
- 2) PUNYA S L - 18CV824 - 97 MARKS

6th SEMESTER



- Total pass
- Failed in one sub
- Failed in two subjects
- Failed in three subjects
- Failed in four or more subjects

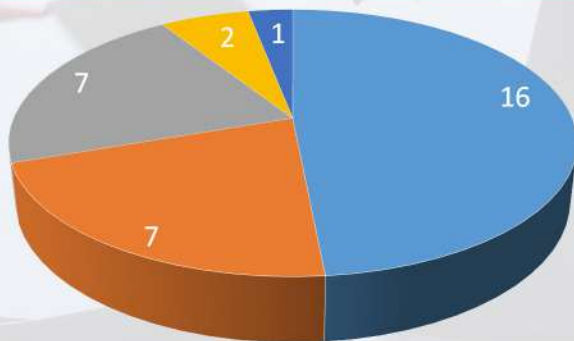
CLASS TOPPERS

- 1) SUHASH R - 9.71 SGPA
- 2) ISHWARYA B - 9.38 SGPA
- 3) YASHASWI K P - 9.29 SGPA

SUBJECT TOPPERS

- 1) SUHASH R - 18CV61 - 92 MARKS
- 2) SANJAY M R - 18CV62 - 95 MARKS
- 3) NIKITHA S N - 18CV63 - 90 MARKS
- 4) YASHASWI K P - 18CV642 - 95 MARKS
- 5) HARSHITHA P - 18ME651 - 91 MARKS

4th SEMESTER



- Total pass
- Failed in one sub
- Failed in two subjects
- Failed in three subjects
- Failed in four or more subjects

CLASS TOPPERS

- 1) REKHA S - 9.17 SGPA
- 2) MADHURA B - 8.92 SGPA
- 3) CHETHANA V - 8.50 SGPA

SUBJECT TOPPERS

- 1) REKHA S - 18MAT41 - 94 MARKS
- 2) DARSHAN H V - 18CV42 - 88 MARKS
- 3) CHITHRA N - 18CV43 - 95 MARKS
- 4) REKHA S - 18CV44 - 97 MARKS
- 5) REKHA S - 18CV45 - 84 MARKS
- 6) SUCHITHRA D - 18CV46 - 87 MARKS

01

Students of 4th, 6th & 8th sem visited KRS Dam to gain knowledge on hydraulic structure on 11/06/2022. The Junior Engineer, KRS Dam guided the students about the details of gates, spillway, outlet works, intake tower and power house built on downstream side of the dam.

02

Students of 6th semester visited the ongoing Bangalore-Mysuru expressway on 14/06/2022. Students were explained about earthwork excavation, instruments used and the retaining structures. Plan of bridge and reinforcement detailing drawing were shown to the students.

03

Students of 6th sem visited ITC food production unit on 10/03/2022 and were emphasized on women safety & ethical role of women in life. The students were also guided about food processing and packing of ready mix food products prepared in their production unit.

04

Lecture on Structural steel material was arranged for students of 6th semester on 06/10/2021. The lecture focused on structural steel material, manufacturing process, preparation of raw materials by removing impurities, iron making, steel making, casting and finishing of steel products.

05

Mr. Raja K, Plant Manager, Sarala Industries delivered a seminar on "Advances in construction materials" on 25/05/2022 to 4th semester students. The speaker enlightened about the Columbia vibration technology & vaporization & wrapping method. of curing.

06

Students of 4th semester visited a canal near Srirangapatna on 24/05/2022. Students were explained about canal, criteria adopted for selecting a site for canal, the components of canal and hydraulic structures such as canal regulators, outlets, notches, cross drainage works.

07

Seminar on "Project presentation, professional writing and paper publishing" was conducted by Prof. Akshay N K on 04/04/2022 to the students of 8th semester. The aim was to improve the professional skills of students in writing and presentation.

08

Students of 8th semester visited Mangala RMC on 06/04/2022. Students learnt about the procurement of raw material, equipments & their functioning, control system for mix proportioning, preliminary tests carried out on raw materials and quality checking.

EVENTS



EVENTS





MOU
ALERT !



Creative
Construction & Consultants

Internships
Site visits
Placements

FUNDINGS RECEIVED FOR STUDENT PROJECTS

1. Nithish M, Hemanth Kumar H B, Ajay C & Punith D B under the guidance of Prof. Mahadev Prasad N recieved a funding of Rs. 7000/- for their work titled "Experimental study on partial placement of fine aggregate ceramic tile wastes in concrete" from KSCST.
2. Yashika C V, Sahana B, Hemanth Kumar M R & Manoj N under the guidance of Prof. Ganavi S & Prof. Raghavendra A recieved a funding of Rs. 6000/- for their work titled "An experimental investigation on fresh properties and strength parameters of self compacting concrete using construction and demolition debris and fly ash" from KSCST.
3. Prasad S S, Praveen Naik, Ranjan Kumar S & Shashank J K under the guidance of Dr. B C Nagendra Prasad & Prof. Manu S Gowda recieved a funding of Rs. 5000/- for their work titled "In-situ household organic waste composting using unplasticized polyvinyl chloride pipe by passive aeration method" from KSCST.
4. Fathina Ahmadi, Sahana K, Anitha D N & Mahesha under the guidance of Prof. Akshay N K & Prof. Ganavi S recieved a funding of Rs. 4500/- for their work titled "An experimental investigation on stabilized mud blocks by using agro-industrial wastes" from KSCST.

Staff Editor

Prof. GANAVI S
Assistant Professor,
Department of Civil Engineering

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Student Editors

Nikalpa S
Shashank J K
Chinmaye C R
Sandeep N T
Chandana K

kruthi 2022

The annual technical event was conducted on 23rd and 24th June 2022. More than 150 students from Engineering colleges in Karnataka participated in the technical & non-technical events.

Technical events included "Do U follow code", "It's a Windy day", "Quirky Surveyor", "Strongest cube", "Super draftsman" and "Treasure Hunt".

Non-technical event comprised of a short over cricket tournament called "Dr. Puneeth Rajkumar Cup" in which 14 teams participated.

FDPs Attended

01 Mr. Manjunath G S has participated and completed a NPTEL-AICTE approved faculty development programme on "Design of Reinforced Concrete Structures" a 12 week course held by IIT Madras during July – October 2022.

02 Mr. Harshith M, Assistant Professor, has participated and completed a 12 week course on "Soil Mechanics/Geotechnical Engineering I" held by IIT Kharagpur during July – October 2022.

03 Ms. Ganavi S, Assistant Professor, has participated and completed a 12 week NPTEL course on "Soil Mechanics/Geotechnical Engineering I" held by IIT Kharagpur during July – October 2022.

Paper publications

01 Manjunatha M C and Basavarajappa H T, "*Flashflood impacts of Kapila river on Temple Town of Nanjangud, Karnataka, India.*", International Advanced Research Journal of Science, Engineering and Technology, Vol 9, Issue 7, Pp 359-368, Aug 2022

02 Manjunatha M C, Inchara C S, Prabhavathi M C and Basavarajappa H T, "*Slow death of Lakes in the Heritage city of Mysuru, Karnataka State, India through Geospatial approach*", International Advanced Research Journal in Science, Engineering and Technology, Vol 9, Issue 11, Pp 19-26, Nov 2022

03 Venuprasad A and D Nagarajun, "*Morphometric interpretation for sub basin management planning and practices in Hassan district, Karnataka using GIS and remote sensing*", Journal for Geo Science Research, Vol. 7, No 2, Pp. 227-234, July 2022

04 Manu S Gowda and Rajeeth T J, "*Use of super absorbent polymer with GGBS in normal concrete*", Recent advances in materials, mechanics and structures, Vol. 269, Pp. 699-706, 2022

05 Rohith Jain, Md. Junaid, Kishore N, Yashwanth Gowda R, "*Study on behaviour of Masonry Walls using different masonry unit and mortar combinations*", International Journal of Engineering Research and Technology, ISSN:2278-0181, Vol. 10, Issue 11, 2022

06 Rohith Jain, Nallaval Chinnaswamy Balaji, Chirdeep N R and G. S. Suresh, "*Comparative study of Gabion wall using experimental and analytical methods*", International Conference on Civil Engineering Trends and Challenges for Sustainability , ISSN 2366-2557

Mysuru - Bengaluru Expressway

Bangalore and Mysore are one of the most significant cities in Karnataka, valuable for both business and tourism. The 4-lane NH 275 is one of the most significant highways in the state. The route, however, is congested and traverses through populated localities Mandya, Maddur, and Srirangapatna. The proposed Mysuru–Bengaluru expressway, a part of the NH 275 highway, will connect Bangalore and Mysore, enabling back-and-forth travel between the two cities. Additionally, it will link Bangalore to Kodagu, Mangaluru, and Kerala regions. Mysuru–Bengaluru expressway is a national highway (NH275) that starts from Bengaluru and goes through Mysuru as a 10-lane expressway of 119 km. The Bengaluru to Mysuru section of this highway was upgraded from 4 to 10 lanes, out of which the 6-lane section is the main elevated access-controlled carriageway and the other 2-lane section on both ends of the carriageway are service roads. The project aims to decongest the traffic movement between Bengaluru and Mysuru and eventually reduce the travel time from three hours to 75 minutes. It has been built at a cost of ₹ 8,000 crore and was developed in two phases.

Phase 1: The first phase is Bangalore and connects Panchamukhi Ganapathi Temple on NICE Road to Nidaghatta. The first phase will cost a total of Rs 3,900 crore, of which Rs 1,600 crore is assigned for land acquisition. The road length of this phase is around 58 km.

Phase 2: The second phase runs from Nidaghatta to Mysore. With a road length of 61 km and an estimated price of around Rs 3,600 crore, the second package includes an Rs 1,200 crore cost for land acquisition.

The project, which consists of a mixture of brownfield upgrades (60 per cent) and greenfield (40 per cent), was envisioned under Bharatmala Pariyojana (BMP) as an alternate to the now-cancelled Nandi Infrastructure Corridor Enterprises (NICE) Road. It will have a total of 19 large bridges, 44 small bridges and 4 railway over bridges (ROBs) and 50 underpasses for vehicles and pedestrians. The foundation stone for the project was laid in March 2018.

Greenfield sections will form bypasses around Bidadi (7 km), Ramanagara-Channapatna (22 km), Maddur (7 km including 3.5 km of elevated highway), Mandya (10 km) and Srirangapatna (7 km). Toll booths are built at Kumbalgodu and Srirangapatna.

- Mar 2018: Foundation stone laid for the project.
- Apr 2018: Contract awarded for Phase-1 to Bhopal-based Dilip Buildcon Limited.
- Mar 2019: Civil work which got stuck due to land acquisition issues to start by April 2019.
- Jul 2020: Work on Phase-1 started in May 2019 and work on Phase-2 started in Dec 2019. Both phase are seeing delay due to COVID-19 related problems, which caused labour shortages and several delays in work. It may see the deadline of January 2022; to get further delayed.
- Dec 2021: Work on Phase-1 completed up to 83% and Phase II completed up to 73%. The expressway is expected to become operational by October 2022.