



CE - ಸುದ್ದಿ

Biannual newsletter



DHOLA - SADIYA BRIDGE

Vol. 6

LONGEST BRIDGE IN INDIA

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.

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Department of Civil Engineering



DEPARTMENT OF CIVIL ENGINEERING

Student editors

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About the department

Department of Civil Engineering is known for providing quality education with importance to skill and personality 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 6. 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.

VISION

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



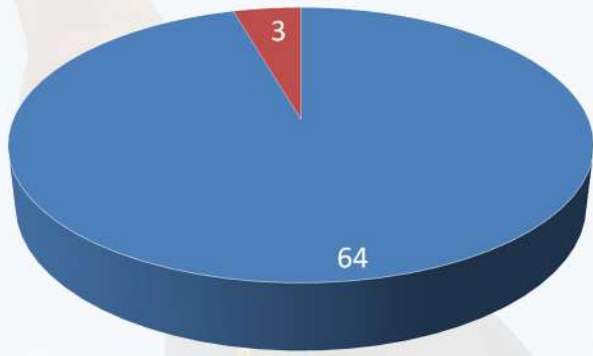
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Result Analysis

2022-23 Odd semester



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

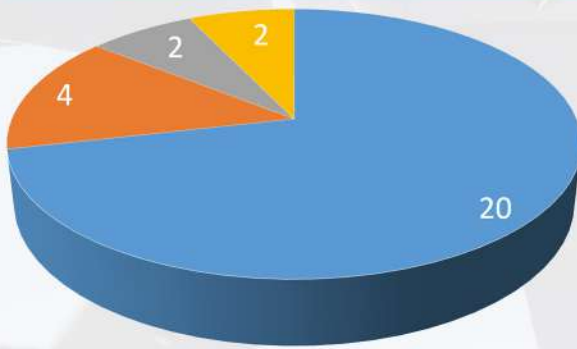
7th SEMESTER

CLASS TOPPERS

- 1) SUHAS R - 9.55 SGPA
- 2) YASHASWI K.P - 9.55 SGPA
- 3) VARUN KUMAR - 9.40 SGPA

SUBJECT TOPPERS

- 1) HARSHITHA P - 18CV71 - 95 MARKS
SUBHASH M - 18CV71 - 95 MARKS
- 2) CHINMAYE C R - 18CV72 - 94 MARKS
DEEPIKA C K - 18CV72 - 95 MARKS
- 3) YASHASWI K P - 18CV734 - 91 MARKS
- 4) KANTESHKUMAR - 18CV745 - 97 MARKS
- 5) HARSHITHA P - 18ME751 - 94 MARKS



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

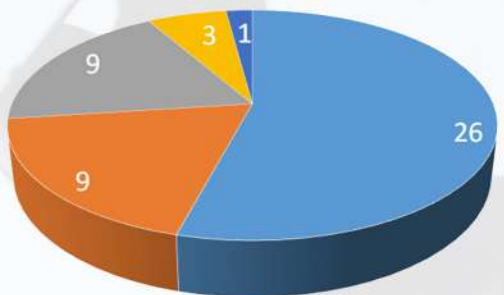
5th SEMESTER

CLASS TOPPERS

- 1) HAMSAVI S - 9.21 SGPA
- 2) REKHA S - 9.17 SGPA
- 3) MADHURA B - 9.08 SGPA

SUBJECT TOPPERS

- 1) HAMSAVI S - 18CV51 - 91 MARKS
- 2) REKHA S - 18CV52 - 87 MARKS
- 3) HAMSAVI S - 18CV53 - 96 MARKS
- 4) MADHURA B - 18CV54 - 91 MARKS
- 5) TEJASHWINI M - 18CV55 - 91 MARKS
- 6) HAMSAVI S - 18CV56 - 89 MARKS



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

3rd SEMESTER

CLASS TOPPERS

- 1) PUNYA SHREE - 9.50 SGPA
- 2) ABHISHEK H U - 8.78 SGPA
- 3) NISARGA R - 8.67 SGPA

SUBJECT TOPPERS

- 1) PUNYA SHREE - 21MAT31 - 93 MARKS
- 2) KUMARSWAMY - 21CV32 - 86 MARKS
NISHA NAYAK - 21CV32 - 86 MARKS
- 3) PUNYA SHREE - 21CV33 - 87 MARKS
- 4) PUNYA SHREE - 21CV34 - 95 MARKS
- 5) ABHISHEK H U - 21KSK37 - 95 MARKS
- 6) NITHYA - 21CV384 - 84 MARKS

01

Students of 3rd semester visited IISc on 04/03/2023 for open day at IISc. The students were exposed to the facilities provided in the dept & laboratory of Civil Engg branch, research projects exhibited and students project presentation.

02

Seminar on “flooring materials and selection” was conducted to 3rd semester students by speaker Mr. Subramanya, Shathayu Civil Consultantson 20/12/2022 in association with BAI to enhance the knowledge of students on flooring materials.

03

Students of 5th & 7th semester visited “My Build 2022” a construction industry expo on 10/12/2022 organized by BAI. Students were benefited with the knowledge of construction materials, interiors, equipment and technologies in construction industry.

04

Mr. Snake Shyam, Former corporator & animal activist presented an expert Talk on “Effect of human intervention in Biodiversity of Karnataka” for students of 3rd, 5th & 7th semester. He emphasized on biodiversity, deforestation, environmental impact, climate change conservation.

05

Mr. Manjunath, Airport Director, Mysuru presented an expert talk on “Current development trend in Airport systems” for students of 7th semester. He emphasized on basic components of airport layout and technology used in monitoring the functioning of the airport system.

06

Students of 5th & 7th sem participated in the presentation by Dr. Bindya J, MBBS, MD Psychiatry, MIMS, Mandya on 23-11-2022 on understanding student psychology, causes of stress in students, coping mechanisms for students, how to create a supportive environment

07

A seminar on “Special concrete & its applications” by Mr. Sanjay, Partner, Anika Civil Consultants was conducted on 23/11/2022 to the students of 5th semester. He explained about special concrete, its applications, advancement and challenges involved in the same.

08

A seminar was conducted for 3rd and 5th semester on 08/11/2022 with a motto of enhancing the knowledge of students on formwork & scaffolding. The presenter was Mr. Jai Praveen, Partner, Creative Construction & Consultants.

09

Mr. Sainath Habalkar presented a talk on "Entrepreneurship qualities" for students of 7th semester on 21-11-2022. The speaker enlightened students about the vision, passion, risk-taker, creativeness, resilience, leadership and persistent qualities of entrepreneur.

10

Communication skill development training by The Hindu Group was arranged to students of 5th semester for 15 days from 17/10/2022 to 10/11/2022. The training helped students to gain skills like active listening, non-verbal communication, assertiveness, empathy, effective speaking etc.

11

Students of 3rd, 5th & 7th visited SVG Exports Pvt. Ltd at Chamarajanagar on 07/11/2022. Mr. Raghu, guided students about the site condition, blasting technique and mining equipment used in their quarry. Students also visited the granite production unit.

12

Mr. Ramesh, Marketing In-charge, Institute of Engineers, India (Mysore Chapter) presented a talk on "Exposure to importance of Professional body membership" for students of odd semester. He explained how relation with industrial experts through Professional bodies helps in the future.

13

Site visit to MPro RMC was arranged to students of 3rd & 5th semester on 21/10/2022. Mr. Arun P, guided the students about the components used in RMC unit, tests conducted on raw materials, grades of concrete produced & the mechanism of proportioning the materials.

14

Mr. Kumar and Mrs Rashmi presented technical talk on "Introduction to steel Detailing using Tekla Structures" a modern tool usage for students of 7th semester. Experts explained the basic ideas of steel detailing and enlightened students on Tekla software.

15

A seminar on Safety in construction was organized for students of 5th semester on 10/01/2023 by Prof. Rohith Jain. The purpose of the seminar was to make students aware about the accidents that happens during construction and safety measures to be followed.

16

Prof. Raghavendra A and Prof. Mahadev Prasad N conducted hands on training on total station surveying to the students of 7th semester from 19/01/2023 to 20/01/2023. This helped the students to learn the tools of total station and using them as per requirements.

EVENTS



EVENTS



FDPs Attended

01

Mr. Mahadev Prasad N participated in 2 day online FDP on “New Generation Construction Materials & Technologies” organized by the Dept of Civil Engg, Sir M. Visvesvaraya Institute of Technology, Bengaluru during 5th to 6th January 2023.

02

Mr. Chethan M B participated in 2 day online FDP on “New Generation Construction Materials & Technologies” organized by the Department of Civil Engineering, Sir M. Visvesvaraya Institute of Technology, Bengaluru during 5th to 6th January 2023.

03

Ms. Ganavi S, Assistant Professor, has participated and completed a 12 week NPTEL course on “Geotechnical Engineering II / Foundation Engineering” held by IIT Kharagpur during January – April 2023.

Student achievements

01

Varun Kumar M K & Abhishek S of 7th semester was the winners of “CATALYST 2022”, a quiz for Civil Engineering Students held on 19th November 2022 organized by Vidyavardhaka College of Engineering, Mysuru in association with Association of Consulting Civil Engineers (I), Mysore Centre.

02

Chinmaye C R of 7th semester student won 2nd place in English Essay competition under Vigilance Awareness Week @ NIE-2022 held on 25th November 2022.

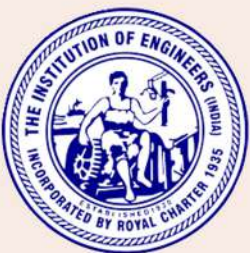
MOU
ALERT !



Sarala
Industries

Internships
Site visits
Placements
Consultancy

Department of Civil Engineering has registered with following professional bodies



Institute of Engineers
India
(IEI)

Indian Society for
Structural Engineers
(ISSE)



Dhola - Sadiya Bridge

Dhola-Sadiya Bridge, also known as the Bhupen Hazarika Setu, is a monumental engineering marvel located in the northeastern part of India. Spanning the mighty Brahmaputra River, this bridge connects the states of Assam and Arunachal Pradesh, significantly reducing travel time and fostering regional integration. Named after the legendary musician, poet, and filmmaker, Dr. Bhupen Hazarika, this bridge not only serves as a vital transportation link but also stands as a tribute to his contributions to Indian culture and heritage.

The Bhupen Hazarika Setu is an architectural marvel, stretching over 9.15 kilometers in length. Its construction commenced in 2011 and was completed in 2017, making it the longest bridge in India spanning a river. The bridge was designed to withstand high seismic activity and heavy loads, ensuring its durability and safety.

One of the key objectives of the Bhupen Hazarika Setu was to enhance connectivity between Assam and Arunachal Pradesh, two geographically and culturally distinct regions of northeastern India. Prior to its construction, the only means of crossing the Brahmaputra River was through ferries, which were not only time-consuming but also highly dependent on weather conditions. The bridge has significantly reduced travel time, making it a lifeline for the local population, as well as boosting trade and economic activities in the region.

At 9.15 kilometres (5.69 mi) in length, it is the longest bridge in India over water. However, the 9.76 kilometres (6.06 mi) Kacchi Dargah–Bidupur Bridge under construction in the Indian state of Bihar is expected to become the longest bridge in India upon its estimated completion in July 2023.

With rapid movement of India's defense assets in mind following incursions by the Chinese Army, the Dhola–Sadiya Bridge has been designed to handle the weight of 60-tonne (130,000-pound) tanks such as the Indian Army's Arjun and T-72 main battle tanks. Since the Sino-Indian War, China has disputed India's claim to Arunachal Pradesh, politically and militarily, along the Line of Actual Control, making the bridge an important tactical asset in the ongoing dispute.

The Ministry of Road Transport and Highways started a feasibility study of the project in August 2003 after demands from local constituents. In January 2009, the bridge was approved for construction with funding from the GOI as part of the Arunachal Pradesh Package of Roads and Highways. Construction began in November 2011 as a public-private partnership with Navayuga Engineering Company, with an expected completion in 2015. However, due to construction delays and cost increases, the bridge's completion date was pushed into 2017.

The project cost around ₹1,000 crore and construction took over five years to complete. It is 3.55 kilometres (2.21 mi) longer than the Bandra Worli Sea Link in Mumbai, making it the longest bridge in India.