

TechZine

ISSUE : EVEN SEMESTER 2024-25

JYOTHY INSTITUTE OF TECHNOLOGY



Department of Civil Engineering

Accredited by
National Board of Accreditation



Affiliated to
Visveswaraya Technological University,
Belagavi





TechZine

Department Of Civil Engineering

Jyothy Institute of Technology

VISION OF INSTITUTION

To be an Institution of excellence in engineering education, innovation and research and towards evolving leaders for country's future work great the and meeting global needs.

MISSION OF INSTITUTION

The Institution aims at providing a vibrant, intellectually and emotionally rich teaching learning environment with the State of the Art Infrastructure and recognizing and nurturing the potential of each individual to evolve into ones own self and contribute to the welfare.

VISION OF DEPARTMENT

To be a global center of excellence in imparting quality education in all the frontiers of civil engineering for the development of the society

MISSION OF DEPARTMENT

- M1:** To educate the students in the field of Civil Engineering by adopting best teaching learning process with state of the art facilities and infrastructure.
- M2:** To encourage the students to contribute to the development of the society by pursuing a promising career in the industry by making them employable with the necessary soft skills and leadership qualities.
- M3:** To encourage the students to pursue higher studies and carryout research and development in various fields of Civil Engineering.

ABOUT THE DEPARTMENT

Civil Engineering is a diversified and one of the oldest branches of Engineering that encompasses study in fields of Structural engineering, Geo technical Engineering, Environmental Engineering, Construction Engineering and Management & various other specialized areas. The Civil Engineering mainly involves Planning, Analysis & Design of different infrastructure projects & implementation through sustainable approach on a turnkey basis. The Departmental facilities of the college include state of art laboratories that also encapsulates Structural & Geo spatial software's in CAD lab and sophisticated state of art equipment required for conceptualization. The facilities also include advanced teaching techniques for undergraduate students in the smart classrooms. The objectives of the course call for effective teaching by experienced faculties through use of different pedagogical facilities thereby creating vibrant learning ambience and this is exacerbated through webinars, 'guest lectures, workshops etc. Our faculties are associated with R&D and consultancy works for improvement of quality teaching that makes the Department one of the most sort of Department in entire Bangalore. The faculty members contribute to academic development by publishing books and presenting papers in International Conference, National conferences and journals.

HOD MESSAGE

The Department of Civil Engineering has a well-defined plan to coordinate and implement various academic, extra-curricular and co-curricular activities carried out for overall growth of the Department. The faculty members constantly interact with various experts from academics and industry to evolve and organize the different events of the Department with an objective of bridging the academic and industry gap. The target plan of the Department envisages activities that involve conduct of industry-oriented workshops, industrial visits, guest lectures, software training, student participation in various paper presentation competitions and other student technical events. These activities are keeping in tune with the Departmental vision of attaining Engineering excellence in all frontiers of Civil Engineering. This is expected to be achieved through well planned and coordinated efforts of the teaching and non-teaching staff, who are credible and committed to the core for meeting the envisioned departmental standards.



Mr. Chirag, Mr. Shashank, Mr. Harsha, Mr. Srinivas and Mr. Nandakishore, 2nd year students of Civil Engineering Department secured 3rd place in Treasure Hunt Competition at Survekshan 2025 held at Nitte Meenakshi Institute of Technology on 29th April 2025



Mr. Balaji T and Mr. Chandra Nayak of Civil Engineering Department have secured 1st place in the Poster Presentation Competition at National Level Technical Symposium held at CIT, Gubbi on 25th April 2025

Mr. Shiva and Mr. Lokesh, final year students of the Department bagged the first place in the Popsicle Stick Catapult Competition at Survekshan 2025 held at Nitte Meenakshi Institute of Technology on 29th April 2025.





Ms. Sindhu and Ms. Sushma, 3rd year students of Civil Engineering Department secured 1st place in SPANIT competition in Construct-a-thon held at Presidency University on May 7th 2025.



Mr. Ranjith Kumar and Mr. Balaji T secured 3rd place in the poster presentation competition in Construct-a-thon held at Presidency University on May 7th 2025.



Our students, Balaji T and Chandranayak secured First Place in the Quiz competition at NIRMAN 2025, conducted by MIT Mysore on 21st and 22nd May 2025.

Our team from Department of Civil Engineering consisting of Kavya, Shruti, Darshan, and Prajwal earned Second Place in the Structural Smackdown (Model Making), at NIRMAAN-UTSAVA 2025, conducted by MIT Mysore on 21st and 22nd May 2025.





Visit of Dr. Rajib Maity, Professor, IIT Kharagpur to Jyothy Institute of Technology

The Department of Civil Engineering at Jyothy Institute of Technology, Bengaluru, had the privilege of hosting Dr. Rajib Maity, Professor at IIT Kharagpur, on 16th May 2025.

The visit featured insightful discussions on emerging opportunities in the civil engineering sector, with a focus on sustainability, climate-resilient infrastructure, and innovation in construction technologies.

The session was further enriched by the presence of Dr. Balaji from the Indian Institute of Science (IISc), Bengaluru, who shared his perspectives on interdisciplinary research and expressed a keen interest in collaborative projects with the department.

Both dignitaries highlighted the importance of academia-industry partnerships, integration of AI and smart technologies, and fostering research-led learning.

SRISHTI 2025
ACHARYA INSTITUTE OF TECHNOLOGY
(23rd May – 25th May 2025)



Ms. Vismaya, Mr. Dinesh and Mr. Manoj have won the second place in the project exhibition competition for their project titled “Bamboo-coir based panels as sustainable alternative to wood-based construction materials”

Project Guides : Dr. Narendra Reddy and Mrs. C Bhargavi

Ms. Sindhu, Ms. Sushma, Mr. Surya and Mr. Chandan have won the consolation prize for their project titled “ Design and development of nano silica and undigested ash based on geopolymers concrete”

Project Guides : Mr. Ganesh C R & Mr. Pavan Kumar V



Mr. Kiran, Mr. Prajwal, Mr. Manoj and Mr. Bhairesh have secured second place in Bridge-It competition



SRISHTI 2025
ACHARYA INSTITUTE OF TECHNOLOGY
(23rd May – 25th May 2025)

JIT BAGGED THE RUNNERS UP TROPHY



Our students enrolled to participate in the UltraTech IndiaNext STIMULUS 2025- an exclusively designed quiz for Civil Engineering Students to encourage them to look beyond their textual knowledge and establish a relationship between theory and application of the learnt concepts.



Details of 6 Qualified Participants per Zone for Zonal Final (Alphabetically Ordered)

Central Zone West Zone East Zone **South Zone** North Zone

Show 10 entries Search:

SL No	Name	Institution Name	Year Of Study
1	AAMIR MUSHTAQ WANI	Jyothy Institute of Technology, Bangalore	3rd year
2	MENDA SRI SAI PRIYA	pace institute of technology and sciences	4th year
3	PITHANI .PUSHPA NAGA SIVANI	Shri Vishnu Engineering College For Women	3rd year
4	SHIVA . PREETHIKA	Vidya Jyothi Institute of Technology	3rd year
5	TATHARI SUMA	Rajiv Gandhi University of Knowledge technologies basar	3rd year
6	VIJAY SADASHIVA MATH	Basaveshwar Engineering College Bagalkote	3rd year

Amongst around 2000 students, Mr. Aamir Mushtaq Wani, 3rd year student of our department has qualified from South Zone for the Zonal Final.



Mr. Aamir Mushtaq Wani

KSCST SPONSORED PROJECTS

Two Undergraduate Projects and One Post-graduate Project have been sponsored by 48th Series Student Project Program for the academic year 2024-2025.

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ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ



Karnataka State Council for
Science and Technology
(An autonomous organisation under Dept. of Science and Technology,
Government of Karnataka)

Dr. U T Vijay
Executive Secretary

Ref: 7.1.01/SPP/713

14th March, 2025

To,
The Principal
Jyothy Institute of Technology
Agara Hobli - Kanakapura Road Thataguni Village
Bengaluru - 560 062

Dear Sir/Madam,

Sub : Sanction of Student Project - 48th Series: Year 2024-2025

Project Proposal Reference No. : 48S_BE_4283

Ref : Project Proposal entitled **NANO-SILICA: A CATALYST FOR ADVANCING AMBIENTCURED GROUND GRANULATED BLAST FURNACE SLAG BASED GEOPOLYMER CONCRETE CHARACTERISTICS**

We are pleased to inform you that your student project proposal, referred above, has been approved by the KSCST under "Student Project Programme - 48th Series". The project details are as follows:

Student(s)	Mr. PRAJWAL N	Department	CIVIL ENGINEERING
	Ms. AKSHATHA R		
	Mr. NITHIN KUMAR R J		
	Ms. YUVASHREE M		
Guide(s)	Dr. SREEKESHA K S	Sanctioned Amount (in Rs.)	4,500.00
	Mr. GANESH C R		

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ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ



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14th March, 2025

To,
The Principal
Jyothy Institute of Technology
Agara Hobli - Kanakapura Road Thataguni Village
Bengaluru - 560 062

Dear Sir/Madam,

Sub : Sanction of Student Project - 48th Series: Year 2024-2025

Project Proposal Reference No. : 48S_MTECH_0016

Ref : Project Proposal entitled **DEVELOPMENT OF HYBRIDIZED BAMBOO-COIR-RUBBER PANELS FOR SUSTAINABLE FORMWORK CONSTRUCTION**

We are pleased to inform you that your student project proposal, referred above, has been approved by the KSCST under "Student Project Programme - 48th Series". The project details are as follows:

Student(s)	Mr. NAVEEN DYAVA NAIK	Department	STRUCTURAL ENGINEERING
Guide(s)	Dr. NARENDRA REDDY	Sanctioned Amount (in Rs.)	5,000.00
	Mrs. C BHARGAVI		

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ತಂತ್ರಜ್ಞಾನ ಮಂಡಳಿ



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Dr. U T Vijay
Executive Secretary

Ref: 7.1.01/SPP/713

14th March, 2025

To,
The Principal
Jyothy Institute of Technology
Agara Hobli - Kanakapura Road Thataguni Village
Bengaluru - 560 062

Dear Sir/Madam,

Sub : Sanction of Student Project - 48th Series: Year 2024-2025

Project Proposal Reference No. : 48S_BE_4281

Ref : Project Proposal entitled **STUDIES ON PREDICTING THE MECHANICAL PROPERTIES OF GEOPOLYMER CONCRETE USING NOVEL MACHINE LEARNING ALGORITHMS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 48th Series". The project details are as below:

Student(s)	Mr. MANGALA BALAJI N	Department	CIVIL ENGINEERING
	Ms. KAVYA M		
	Ms. SHRUSTI H S		
	Mr. YUVARAJ BALACHANDRA YALAGUDE		
Guide(s)	Dr. SREEKESHA K S	Sanctioned Amount (in Rs.)	4,500.00
	Mrs. C BHARGAVI		

PLACEMENTS

**Ms. Antharya Shetty
(1JT22CV401)**



**Mr. Mangala Balaji N
(1JT22CV411)**



**Ms. Deepika S
(1JT22CV407)**

We are happy to inform that Ms. Antharya Shetty(1JT22CV401), Ms. Deepika S(1JT22CV407) and Mr. Mangala Balaji N(1JT22CV411) are placed as Consultants in Tata Consulting Engineers Limited (TCE) with a package of Rs. 2,64,000/- annually.