



MAGAZINE 2024 - 25

YANTHROHAM

We are the Creators of the MACHINE!

DEPARTMENT OF MECHANICAL ENGINEERING
GLOBAL ACADEMY OF TECHNOLOGY

ABOUT THE DEPARTMENT

M E C H A N I C A L E N G I N E E R I N G



Mechanical Engineering is one of the broadest and the most versatile engineering profession finding its application in all fields of technology. The boost in the manufacturing sector has raised the demand for Mechanical Engineers exponentially. The uniqueness of the discipline incorporates skills and expertise in the areas of Design, Manufacturing, Mechanics and Thermal sciences besides interdisciplinary subjects that are essential to most sectors of industry. The educational objective of ME@GAT with intake of 60 students is to prepare students to successfully establish themselves in professional careers, innovate and exercise leadership in their positions to the benefit of society.

Our Vision

Become one of the leading providers of education in mechanical engineering with emphasis on research, development, and innovation for the benefit of society.

Our Mission

- Impart quality technical education in the field of mechanical engineering through excellent teaching-learning process, modern infrastructure, and computing tools
- Prepare students for successful careers by providing placements and encouraging research, development, and innovation through industry-institute interaction
- Instill professional ethics and environmental consciousness amongst students through inclusive development programs

HOD'S MESSAGE



Dr. Bharat Vinjamuri

Dear Students, Faculty, and Mechanical Engineering Enthusiasts,

We are delighted to share some of the recent milestones and ongoing initiatives from the Mechanical Engineering Department at the Global Academy of Technology. Our department proudly houses cutting-edge laboratories, featuring advanced CNC technology, 3D Printing, and Automation through Hydraulics and Pneumatics, offering students immersive, hands-on experiences that align closely with contemporary industry practices.

In a significant collaboration with Toyota Boshoku Automotive India Pvt. Ltd., we have set up a Center of Excellence in Automotive Technology, providing students with unparalleled exposure to real-world automotive innovations. Alongside this, our AICTE-funded R&D Center continues to make remarkable progress in expanding the frontiers of mechanical engineering knowledge and practical applications.

Our dedicated faculty team, with 70% holding doctoral degrees, remains committed to mentoring students, guiding them toward success in diverse industries. Our graduates are making their mark in core engineering domains at esteemed organizations such as BOSCH, TATA, Toyota, ACE Micromatic, Tech Mahindra, and Collins Aerospace, while others thrive in renowned IT firms like TCS, Wipro, Deloitte, Infosys, and Capgemini. Many of our alumni are also at the forefront of specialized fields including Robotics, Additive Manufacturing, Material Technology, and Automation, actively contributing to cutting-edge technological advancements.

As we look ahead, our unwavering commitment is to foster the next generation of mechanical engineers by continuing to emphasize excellence in education, research, and innovation.

Best regards,

Head, Department of Mechanical Engineering
Global Academy of Technology

STUDENT FORUM



FUMES - FORUM OF UNITED MECHANICAL ENGINEERING STUDENTS THROUGHOUT THE CURRENT YEAR, THE STUDENT FORUM FUMES (FORUM OF UNITED MECHANICAL ENGINEERING STUDENTS) HAS CARRIED OUT ACTIVITIES UNDER THREE VIBRANT CLUBS. THESE CLUBS AIM TO PROMOTE INNOVATION, STANDARDIZATION, AND PERSONAL GROWTH. THE ACTIVITIES CONDUCTED UNDER EACH CLUB ARE LISTED BELOW:

BUREAU OF INDIAN STANDARDS (BIS) CLUB

ON DEC 16, 2024, THE STANDARDS CLUB ORGANIZED A HIGHLY SUCCESSFUL BIS ORIENTATION AND STANDARDS QUIZ COMPETITION. THIS EVENT PROVIDED THE STUDENTS AN OPPORTUNITY TO ENGAGE WITH INDUSTRY STANDARDS AND GAIN KNOWLEDGE ON BIS STANDARDS. A TOTAL OF 70 ENTHUSIASTIC STUDENTS, ALL MEMBERS OF THE STANDARDS CLUB, ACTIVELY PARTICIPATED IN THE EVENT. THE EVENT WAS GUIDED BY MR. NATARAJ., A DISTINGUISHED RESOURCE TEAM MEMBER FROM BIS, WHO SHARED HIS EXPERTISE AND PROVIDED INVALUABLE GUIDANCE TO THE PARTICIPANTS.

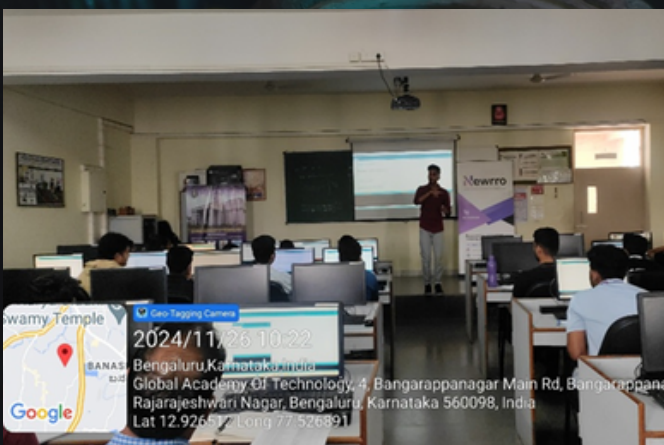


THE FEW 1ST SEM AND 7TH SEM STUDENTS FROM MECHANICAL ENGINEERING VISITED BMSIT ON ACCOUNT OF BIS FOUNDATION DAY STUDENTS CARNIVAL ON 3RD JAN 2025. THE STUDENTS PARTICIPATED IN MANY EVENTS SUCH AS KITE DECORATION AND ONE MINUTE SPEECH ON BIS STANDARDS



INNOVATIVE ROBOTICS CLUB (IRA)

TO BRIDGE THE CURRICULUM GAPS IN ROBOTICS EDUCATION, THE DEPARTMENT OF MECHANICAL ENGINEERING ORGANIZED “ROBOTICS WORKSHOP” FROM 25TH NOVEMBER 2024 TO 29TH NOVEMBER 2024 FROM 9.00 AM TO 4:30 PM IN CAD LAB. THIS INITIATIVE WAS DONE IN ASSOCIATION WITH NEWRRO TECHNOLOGIES WHICH INCLUDES HANDS-ON SESSIONS INCORPORATING REAL-WORLD PROBLEM-SOLVING ACTIVITIES AND INTERACTIVE DEMONSTRATIONS TO ENSURES ACTIVE ENGAGEMENT AND PRACTICAL LEARNING. THE WORKSHOP WAS COORDINATED BY DR. RAVI KUMAR D V, PROF. AND MRS. ASHA P B, ASST. PROFESSOR FROM MECHANICAL ENGINEERING DEPARTMENT, GAT. A TOTAL OF 33 5TH SEMESTER MECHANICAL ENGINEERING STUDENTS PARTICIPATED THE WORKSHOP.



KSCST FUNDED PROJECTS

Sl. No.	Project Title	Name of Guide	Name of the students	Amount
1	Solar Powered Trash Compactors for Public Spaces	Dr. Bharat Vinjamuri	Mr. Shashi Preetham S MR. H. Ajay Mr. I.Vamsi Sreenivasulu Reddy	Rs. 6500/-
2.	PureResp - Protective Headgear Integrated with Easy Breath PM Filtration Module	Dr. Shreekala N	Mr. Shreevatsa H. Mr. Varun Kumar M. Mr. Renuka Prasad K. R	Rs. 5000/-
3	Development of Three - Layer Solar Air Purifier	Mr. Kiran R Dr. G.R. Gurunagendra	Mr. Krupananda. I. K. Mr. Harshith Gowda J. Mr. Yashas K.	Rs. 5500/-

MINI PROJECT EXHIBITION

THE 5TH SEMESTER MECHANICAL ENGINEERING STUDENTS RECENTLY SHOWCASED THEIR CREATIVITY AND TECHNICAL SKILLS DURING THE MINI PROJECT PRESENTATION EVENT HELD ON 31TH JAN 2025. THIS PLATFORM ALLOWED STUDENTS TO PRESENT THEIR INNOVATIVE PROJECTS, DEVELOPED OVER THE SEMESTER, TO FACULTY MEMBERS AND PEERS. PROJECTS COVERED A RANGE OF TOPICS, FROM SUSTAINABLE ENERGY SOLUTIONS TO ADVANCED AUTOMATION TECHNIQUES. THE PRESENTATIONS HIGHLIGHTED THE STUDENTS' PROBLEM-SOLVING ABILITIES, ENGINEERING ACUMEN, AND TEAMWORK. EACH TEAM DEMONSTRATED THEIR PROJECT'S DESIGN, IMPLEMENTATION, AND POTENTIAL IMPACT, IMPRESSING THE AUDIENCE WITH THEIR DEDICATION AND INGENUITY. THE EVENT PROVIDED VALUABLE FEEDBACK AND ENCOURAGED CONTINUOUS LEARNING AND IMPROVEMENT IN THEIR ENGINEERING JOURNEY.



INDUSTRIAL VISIT

AN INDUSTRIAL VISIT TO MAGOD LASERS



5TH SEM STUDENTS VISITED MAGOD LASERS, A LEADER IN LASER BASED MANUFACTURING IN INDIA ON AUG 20TH 2024, AS A PART OF INDUSTRIAL VISIT.

AN INDUSTRIAL VISIT TO ALLIAGE METAL CASTINGS PRIVATE LIMITED

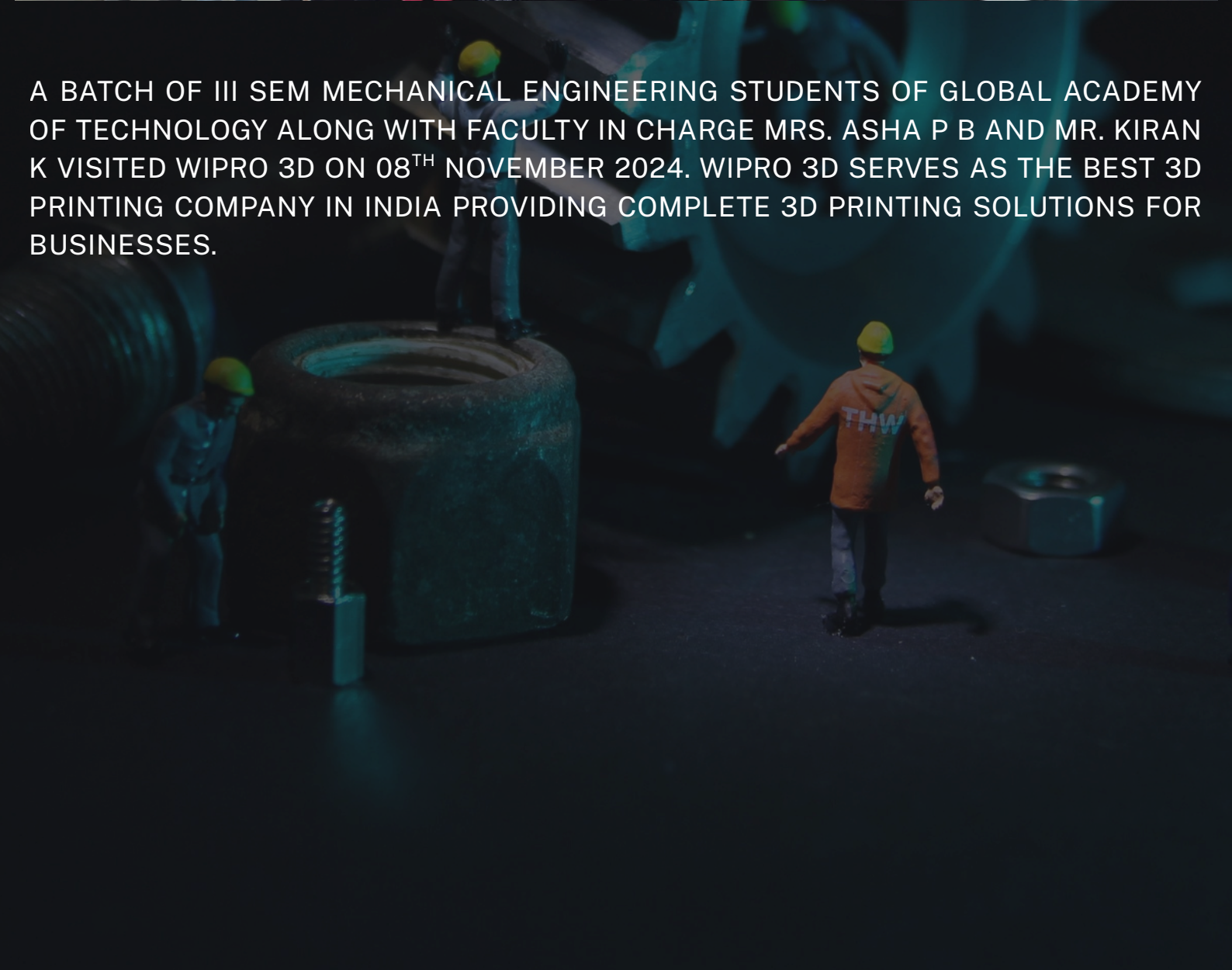


A BATCH OF III SEM MECHANICAL ENGINEERING STUDENTS OF GLOBAL ACADEMY OF TECHNOLOGY ALONG WITH FACULTY IN CHARGE DR. V RAVIKUMAR AND MR. X FRANCIS STAFF MEMBER VISITED ALLIAGE METAL CASTINGS FOUNDRY ON 08TH NOVEMBER 2024.

AN INDUSTRIAL VISIT TO WIPRO-3D



A BATCH OF III SEM MECHANICAL ENGINEERING STUDENTS OF GLOBAL ACADEMY OF TECHNOLOGY ALONG WITH FACULTY IN CHARGE MRS. ASHA P B AND MR. KIRAN K VISITED WIPRO 3D ON 08TH NOVEMBER 2024. WIPRO 3D SERVES AS THE BEST 3D PRINTING COMPANY IN INDIA PROVIDING COMPLETE 3D PRINTING SOLUTIONS FOR BUSINESSES.



IMTEX EXHIBITION

B DHEEMANTH PRAKASH AND CHIRANJEEVI OF 7TH SEM EXHIBITED THEIR PROJECT “DESIGN AND FABRICATION OF AUTOMATIC SEIVING” AT IMTEX 2025 ON 28TH JAN 2025.

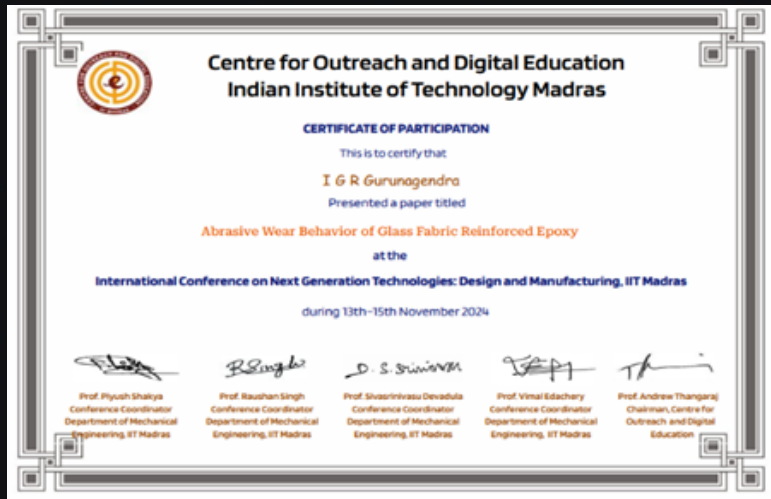


BANGALORE TECH SUMMIT 2024

FEW OF THE MECHANICAL ENGINEERING STUDENTS DID THEIR INTERNSHIP AT BHARAT DOME INNOVATIONS PVT. LTD. UNDER THE GUIDANCE OF MR. SATISH, CO-FOUNDER OF BHARAT DOME AND EXHIBITED AT BANGALORE TECH SUMMIT 2024 HELD AT BANGALORE DURING NOV 19TH TO 21ST 2024, ADVANCED CAD SOFTWARE AND ADDITIVE MANUFACTURING TECHNIQUES STUDENTS DESIGNED AND DEVELOPED LIGHT WEIGHT AND COST EFFECTIVE CONNECTORS ESSENTIAL FOR ASSEMBLY AND STRUCTURAL STABILITY OF GEODESIC DOMES SUITABLE FOR OBSERVATORIES AND PLANETARIUMS.



FACULTY ACHIEVEMENTS



DR. GURUNAGENDRA, ASSOCIATE PROFESSOR, PRESENTED A PAPER TITLED “ABRASIVE WEAR BEHAVIOR OF GLASS FABRIC EPOXY” AT AN INTERNATIONAL CONFERENCE ON NEXT GENERATION TECHNOLOGIES: DESIGN AND MANUFACTURING, IIT MADRAS DURING 13TH-15TH NOVEMBER 2024.



DR. RAVI KUMAR V, ASSOCIATE PROFESSOR, PRESENTED A PAPER TITLED “EFFECT OF ZIRCON FLOUR AND MOS_2 POWDER ON COEFFICIENT OF THERMAL EXPANSION OF ZA-27 COMPOSITES” AT INTERNATIONAL CONFERENCE ON MATERIALS FOR ENERGY, ENVIRONMENT AND HEALTHCARE (MEEHCON'24) DURING 20TH-21ST DECEMBER 2024.



MRS. ASHA P B DEFENDED HER PHD THESIS TITLED “DEVELOPMENT AND CHARACTERIZATION OF CAST ALUMINIUM COMPOSITES REINFORCED WITH BORON CARBIDE AND RED MUD PARTICLES.” ON 21ST DECEMBER 2024, UNDER THE GUIDANCE OF DR SURESHA C N, PROFESSOR AT R R INSTITUTE OF TECHNOLOGY, BANGALORE.

STUDENTS' ACHIEVEMENTS



MR. CHIRANJEEVI V OF 7TH SEM
WON THE KITE DECORATION
COMPETITION AT BIS STUDENTS
CARNIVAL ON THE OCCASION OF
BUREAU OF INDIAN STANDARDS
FOUNDATION DAY HELD AT BMSIT
ON 3RD JAN 2025.



MS. KUSUMA B OF 4TH SEM GOT SELECTED FOR
REPUBLIC DAY FLAG AREA AT NEW DELHI.



**NIKHITHA(1GA23ME022)
SILVER MEDAL @ ALLVAS
UNIVERSITY UNDER VTU
WEIGHTLIFTING
COMPETITION**



**JAYALAXMI (1GA23ME011)
GOLD MEDAL AT VTU
SOUTH ZONE VOLLEYBALL
CHAMPIONSHIP**



**LIKITHA B(1GA23ME019)
WEIGHTLIFTING BRONZE
MEDAL @ ALVA'S
UNIVERSITY MOODIBIDRE**



FINAL RANK LIST (UG – 2021 BATCH)

MECHANICAL ENGINEERING

SL NO	USN	NAME	CGP A	CREDITS EARNED	RANK
1	1GA21ME002	B DHEEMANTH PRAKASH	9.16	160	1
2	1GA21ME003	CHIRANJEEVI V	8.98	160	2
3	1GA22ME407	HEMANTH S	8.81	120	3
4	1GA22ME408	IRAGAMREDDY VAMSI SRINIVASULA REDDY	8.66	120	4
5	1GA22ME432	SHREECHARAN S BHAT	8.62	120	5
6	1GA22ME437	VADLAMUDI NIRANJAN KUMAR	8.55	120	6



B DHEEMANTH PRAKASH
1GA21ME002



CHIRANJEEVI V
1GA21ME003



HEMANTH S
1GA22ME407



IRAGAMREDDY VAMSI SRINIVASULA REDDY
1GA22ME408



SHREECHARAN SBHAT
1GA22ME432



VADLAMUDI NIRANJAN
KUMAR
1GA22ME437

STUDENTS' PLACEMENTS

THE LIST OF THE STUDENTS PLACED IN REPUTED COMPANIES DURING PLACEMENT DRIVE IS SHOWN BELOW.

USN	Full Name	Company
1GA21ME001	ABHI N	Image label Pvt Ltd
1GA21ME002	B DHEEMANTH PRAKASH	RGSM power
1GA21ME005	H AJAY	Ace Micromatic
1GA21ME009	NIKITH N	Accenture
1GA21ME011	PRABHANJAN G SHASTRI	Bharat Dome Innovation Pvt Ltd
1GA21ME014	SHASHI PREETHAM S	Ace Designers
1GA21ME015	SHRAVAN SHETTY	Alliage Metal Castings Private Limited
1GA22ME400	ARVIND M	HAL
1GA22ME401	BHARATH KS	Ace Designers
1GA22ME403	CHANDAN K	Würfel Küche
1GA22ME405	DARSHAN M	Toyota
1GA22ME408	IRAGAMREDDY VAMSI SRINIVASULA REDDY	Be Practicals
1GA22ME409	JAGADISH KM	Gravity India.
1GA22ME410	JAYANTH K	Image Synergy Pvt Ltd
1GA22ME411	KARTHIK M	Bosch
1GA22ME412	KARTHIK S	Accenture
1GA22ME414	KRISHNA SAI PRASAD K P	Image label Pvt Ltd
1GA22ME415	KRUPANANDA I K	Würfel Küche
1GA22ME416	MAHESH G	Foxconn Pvt Ltd
1GA22ME418	MANU D N	Würfel Küche
1GA22ME419	NAGARAJU J K	Gravity India.
1GA22ME420	NITIN KUMAR R	Bosch
1GA22ME421	OMKAR M SURYAVANSHI	Bosch
1GA22ME422	SUDARSHAN RAO PS	Micropore Technologies
1GA22ME424	PREETHAM B M	Cyntronex Pvt Ltd
1GA22ME425	RAGHAVENDRA S	Sansirong International private limited
1GA22ME427	ROHITH K S	Gravity India.
1GA22ME428	S YATISH	Ace Micromatic
1GA22ME430	SANJAY M	Würfel Küche
1GA22ME432	SHREECHARAN S BHAT	Sansirong International private limited
1GA22ME433	SIDDARTHA N	Gravity India.
1GA22ME439	VISHWANATH C	Accenture

ಚಿಂತೆಯಲಿ ಬದುಕುವವರಿಗೆ ನೆಮ್ಮದಿ ಕಾಣೋದೆಲ್ಲಿ
ಸುಳ್ಳಿನ ಸಂತೆಯಲ್ಲಿ ನ್ಯಾಯಕ್ಕೆ ಜಾಗವೆಲ್ಲಿ ।
ಸಂತೇಲೂ ನಿದ್ರೆ ಮಾಡೋನೇ ಪುಣ್ಯಾತ್ಮನಿಲ್ಲಿ
ಕಲಿಯುಗದ ಕಾಲವಯ್ಯ ಧರ್ಮಾತ್ಮ ಸಿಗುವನೆಲ್ಲಿ ॥
ನೀನೇ ಎಲ್ಲಾ ನಿನ್ನಿಂದಲೇಯೆಲ್ಲಾ
ಭಗವಂತನ ನಂಬಿ ಕೆಟ್ಟೋರಿಲ್ಲ ।
ಸ್ತೂರ್ತಿಯಾಗಿರಲಿ ನಿಮ್ಮಯ ಬದುಕೆಲ್ಲ
ಹರಸುವರು ದೇವಾನುದೇವತೆಗಳ ಗುಂಪೆಲ್ಲಾ ॥
ಸ್ವಾರ್ಥದ ಮನಸುಗಳೇ ತುಂಬಿಹುದಲ್ಲ
ಶಾಶ್ವತ ಯಾವುದು ತಿಳಿಪೋರು ಯಾರು ಇಲ್ಲ ।
ಸ್ವರ್ಗದದಾರಿ ಕಾಣಬೇಕಲ್ಲ
ಪರೋಪಕಾರಿಯಾಗು ಪರಮಾತ್ಮನೇ ಜೊತೆಗಿರುವನಲ್ಲ ॥
ಕೋಪಕ್ಕೆ ದಾಸನಾಗಬೇಕಿಲ್ಲ
ಅಧರ್ಮದ ದಾರಿಯ ತುಳಿಯಬೇಕಿಲ್ಲ ।
ಕಷ್ಟ ಅನ್ನೋದು ಶಾಶ್ವತವಲ್ಲ
ಸಹನೆಯಿಂದ ಜಯಸುವೆ ನೀ ಎಲ್ಲಾ ॥

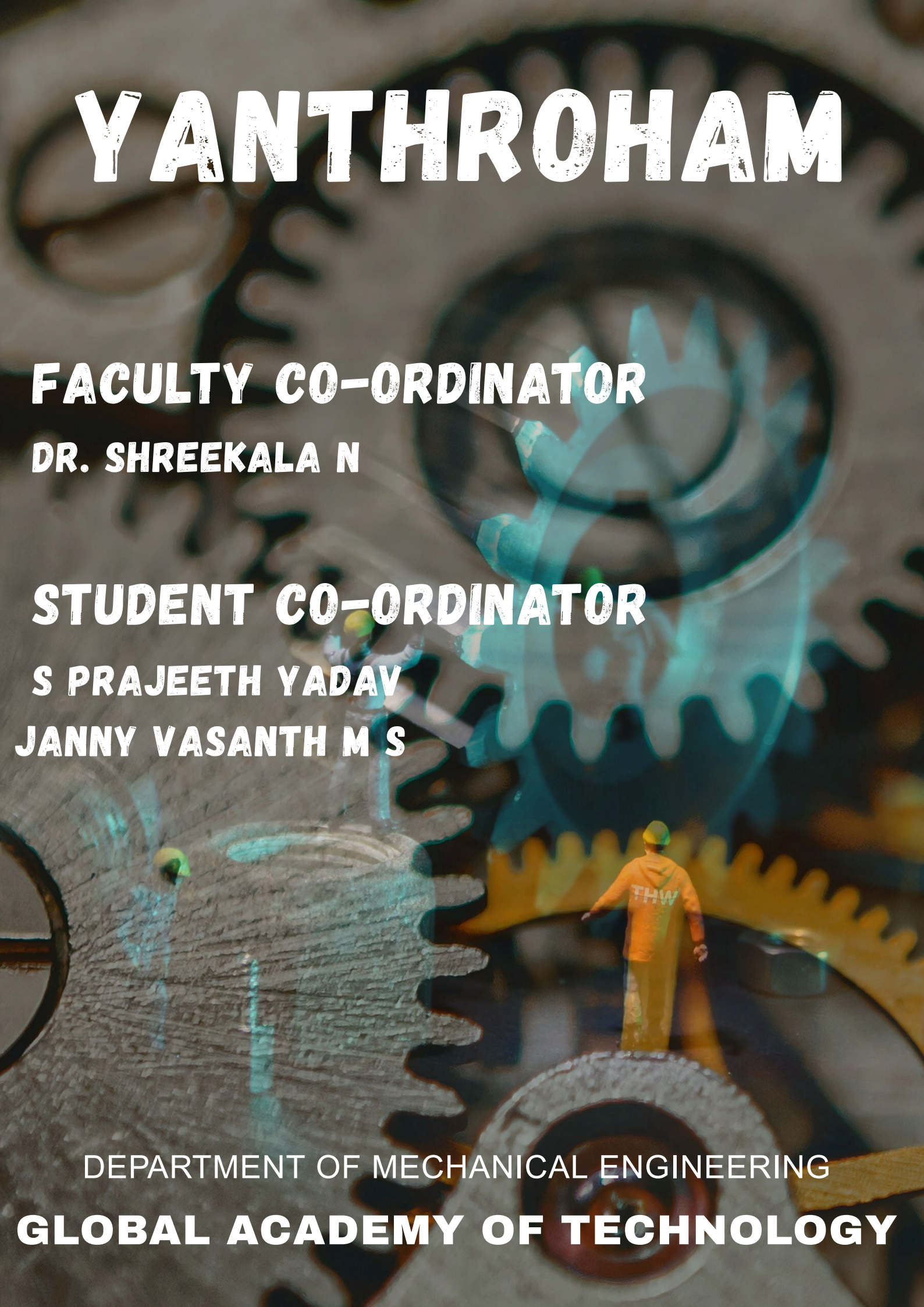


ಡಾ. ರಾಜೇಶ್ ಆರ್

ಸಹ ಪ್ರಾಧ್ಯಾಪಕರು

ಗ್ಲೋಬಲ್ ಅಕಾಡೆಮಿ ಆಫ್ ಟೆಕ್ನಾಲಜಿ

YANTHROHAM



FACULTY CO-ORDINATOR

DR. SHREEKALA N

STUDENT CO-ORDINATOR

S PRAJEETH YADAV

JANNY VASANTH M S

DEPARTMENT OF MECHANICAL ENGINEERING

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