



Counselling Code: **VBIT**

VIGNANA BHARATHI
Institute of Technology

(A UGC Autonomous Institution, Approved by AICTE, Accredited by NBA and NAAC-A Grade, Affiliated to JNTUH)



2025 **MECHNOCRAFT**

MECHANICAL NEWS LETTER

<https://vbiyhyd.ac.in>

About the Institute

Situated in the dynamic academic environment of Telangana, Vignana Bharathi Institute of Technology is recognize as a prominent institution of innovation and education, esteemed as one of the leading engineering colleges in the area. The students at VBIT are immersed in a culture that values inquiry, invention, and collaboration. The advanced laboratories, innovative research facilities, and dynamic academic environment create an ideal setting for experimentation and discovery, fostering creativity and innovation.

Promoting Educational success - At VBIT, we are dedicated to nurturing academic success, stimulating intellectual curiosity, and developing future leaders. As we commence our joint effort, let us examine the fundamental qualities that render our institute exceptional.



INSTITUTE VISION

To emerge as a premier institution for technical education in the country through academic excellence and to be recognized as centre for excellence in Research and Development.

INSTITUTE MISSION

To establish a strong institute by consistently maintaining state of the art infrastructure and a cohesive, world class team by providing need based technical education.



FOUNDERS

Dr. N.Goutham Rao

Chairman - VBIT



Dr. N.Goutham Rao
Chairman

Dr N. Goutham Rao, with a Doctorate in Sociology is a man of many laurels. He is a towering intellectual, a thinker and a doer as well. A person to leave no work unfinished, he has successfully completed many projects launched by Osmania University under UGC's special Assistance Programme. A right blend of tradition and modernity is reflected in Dr Rao which only undermines his ability to be accessible to rural and urban students and teachers as well.

Dr. G.Manohar Reddy

Secretary - VBIT

Dr G. Manohar Reddy, who hails from a village in Nalgonda district, is a livewire adding youthful dynamism and vibrancy to Management Committee. Dr. Reddy has a creditable academic record right from his school days. A gold medalist in M.Sc Chemistry in the year 1989, he takes time to teach Chemistry and be with the students.



Dr. G.Manohar Reddy
Secretary - VBIT

Dr. K.K.V. Sharma

Treasurer – VBIT

Dr K.K.V. Sharma, who was born into a family of Sanskrit and Telugu scholars, is a pleasant person who is dear to students, staff and management. A spiritually inclined man, he is a strict disciplinarian.



Dr. K.K.V. Sharma
Treasurer – VBIT

About the Department

The department of mechanical engineering functions with the prime goal of imparting sound and proper mix of theory and practical courses in the fundamentals and recent technological developments of mechanical engineering and allied disciplines to the students so that the students, on completion of the course, get good opportunities in industries and higher education.

The other objectives of the department are: promotion of research and development activities, providing consultancy services to the Industries and Conducting continuing education programs.

The department has highly qualified and experienced faculty members .The department regularly organizes technical workshops for the faculty members to expose them to emerging areas.The department has the state of the art facilities for various laboratories, classrooms to support e-learning .

Department Photo



Department Vision

To be a center of excellence for Mechanical Engineering education and research to meet the industry and societal needs.

Department Mission

- Impart innovative learner-centric, high quality skills in Mechanical Engineering and allied areas.
- Provide ambience for real time knowledge and exposure to industrial environment and technical competence.
- Carry out research work based on societal needs by Industry-academia interactions.

Head of Department



Mr. M.K. Satya Sai
HOD - VBIT

Qualification: B.Tech (AU),
M.Tech (JNTUK)

Mechanical Faculty



Dr. Y.V.S.S.V. Prasada Rao
Professor & Director



Dr. B. Satish Kumar
Associate Professor &
Controller of Examinations



Dr. P. Kishore Kumar
Associate Professor

PSO1 : To Identify, comprehend and find solutions to Mechanical Engineering problems in real life situations.

PSO2 : To Design, develop, manufacture and maintain mechanical systems through conservation principles of energy, momentum and their impact on socio economic and environmental consideration.

PSO3 : To work professionally in industries or as an entrepreneur by applying manufacturing and management practices.

PSO4 : To create awareness about modern technology through excelling in mechanical software i.e. modeling and analysis which increase problem solving capacity.



Dr. R Venkateswar Rao
Associate Professor



Ms. Y Anuradha
Associate Professor



Mr. V Sampath
Assistant Professor



Mr. Sridhar BH
Assistant Professor



Mr. Ch Rama Krishna
Assistant Professor



Ms. M Madhavi
Assistant Professor



Ms. P Priyanka
Assistant Professor



Mr. B Devender
Assistant Professor



Mr. K Ramu
Assistant Professor



Sreedhar Vulloju
Assistant Professor



G. Vinod Kumar
Assistant Professor



Gopi Chand Boosa
Assistant Professor

EVENTS

Project Expo Organized by Dept. of ME



Innovation in Motion!

The Department of Mechanical Engineering successfully organized a Project Expo on 11th April 2025, where students brought their ideas to life through creative prototypes and engineering solutions.

From sustainable designs to smart mechanical systems, the expo reflected the passion, precision, and potential of future engineers.



ABOUT EVENT

The Department of Mechanical Engineering successfully organized a **Technical Talk on Drone Technology & Its Applications** on 9th April 2025.

The session was led by Dr. Chennakrishnan, Operations Manager – Training Division at Dhaksha, who shared expert insights into the advancements, real-world use cases, and career opportunities in drone technology.

From defense to agriculture, logistics to surveillance — the world of drones is soaring high! 🚁



ABOUT EVENT

Successful Completion of the 5-Day Bootcamp on Additive Manufacturing!

The Department of Mechanical Engineering, in collaboration with CDAC-Hyderabad, successfully conducted a 5-day hands-on Bootcamp on Additive Manufacturing (3D Printing) from 24th to 28th February 2025.

Students gained valuable insights into modern 3D printing techniques, prototyping, and the future of manufacturing. This immersive experience empowered participants with the skills needed for real-world applications.

A big thank you to CDAC-Hyderabad and all the participants for making this event a success!



Faculty Achievements

Dr. P. Kishore Kumar, Associate professor of Mechanical Engineering department is ratified a “RESEARCH SUPERVISOR” for supervising Ph.D. research scholars.



Dr. P Kishore Kumar
[Research Supervisor]

Publications:

Faculty : Dr. B. Satish Kumar

Title : Using SVC light to enhance power quality in grid-connected wind energy systems composite electrodes in electric discharge machining



Dr. B Satish Kumar
[Scopus]

Faculty : Mr. M.K.Satya Sai

Title : Empowering Supply Chain Transparency and Risk Management through Hybrid CNN and BiGRU Approach



Mr. M.K.Satya Sai
[Scopus]

Faculty : Dr. R. Venkateshwara Rao

Title : Efficient conversion of glutamic healthy protein likethiomide with lycopene as catalyst using catalytic transfersulfurization process



Dr. R. Venkateshwara
Rao

Faculty : Mrs. Y. Anuradha

Title : Advancements and Challenges of High-Entropy Alloys in Biomedical Applications: A Comprehensive Review



Mrs. Y. Anuradha

Faculty : Mrs. P. Priyanka

Title : Investigation of machining performance of waspaloy using copper graphite composite electrodes in electric discharge machining



Mrs. P. Priyanka
[SCIE]

Faculty : Mr. BH. Sridhar

Title : Mechanical Characterization of bamboo and glass fibre composite material



BH. Sridhar
[Scopus]

Faculty : Mr. V. Sampath

Title : Using Computational Intelligence for sustainable manufacturing of Advanced Materials



Mr. V. Sampath
[Scopus]

Faculty : Mr. K. Ramu

Title : Tribological behaviour of AA7060 nano composites-Transfersulfurization process



Mr. K. Ramu
IJVSS

Faculty Certification

1. **Dr. Y.V.S.S.S.V. PRASED RAO** is awarded for “Sustainable Development in Advanced Materials , Manufacturing and Industry 4.0” in ANRF sponsored International Conference.
2. **P.PRIYANKA** has successfully completed under AICTE training and learning (ATAL) Academy for faculty development program on Vehicle Electrification Future Mobility Trends.
3. **P.PRIYANKA** has successfully completed the course CATIA V5 COMPUTER AIDED DESIGN(CAD) on INFOSYS Springboard.
4. **P.PRIYANKA** has successfully completed FDP on 3D Printing and Design with SkillDzire.
5. **Mrs. Y.Anuradha** has presented a paper on Experimental Investigation on Mechanical Behaviour of Mg-based Entropy alloy in 15th International Conference on Recent Engineering and Technology.
6. **Mrs. M.Madhavi** is awarded for “Sustainable Development in Advanced Materials , Manufacturing and Industry 4.0” in ANRF sponsored International Conference.
7. **Mrs.M.Madhavi** has successfully completed under AICTE training and learning (ATAL) Academy for faculty development program on “Advanced Material processing and characterization and Optimization Techniques.”

Students Participation

1. Ch. Amber Singh from 3rd Year, has participated in One day international workshop on “ Empowering future leaders on internet Governance conducted by C-DAC Hyderabad.
2. Sridhar from 3rd Year student participated and won as Runner up in Kabaddi for Inter college competition.

Students Placement [4th Year]:

We're thrilled to announce that our students have been placed in esteemed MNCs, including WIPRO, Elevate, and Megha Engineering Infrastructure Pvt Ltd. The Mechanical Department takes immense pride in the achievements of our talented students!

WIPRO AUTOMATIVE INFRASTRUCTURE PVT LTD

21P61A306	JONNADULA DASARATHI GAURAV
21P61A307	KURAKULA RAVINDRA
21P61A314	SATHINENI PHANEENDHRA
22P65A301	AKULA SHIVAJAYA SHANKAR
22P65A302	ALLADI SRIRAM
22P65A303	BEHARA BHEEMASHANKARA SAI
22P65A305	NARAMDASU RAJKUMAR



ELEVEATE PVT LTD

21P61A314	SATHINENI PHANEENDHRA
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MEGHA ENGINEERING INFRASTRUCTURE PVT LTD

21P61A307	KURAKULA RAVINDRA
21P61A313	SAMSON STEPHEN
22P65A301	AKULA SHIVAJAYA SHANKAR

Students Sports 3rd Year:

• KABADDI

Saint peters-Runner up

Nalla narsimha reddy-Runner up

Jbit-Winners

Pallavi-Runner up

- Vardhaman college of engineering.

Winners

- Srinidhi engineering college.

Runners

- Pallavi engineering college.

Winners

- Global engineering college moinabad.

Runners

- Hyderabad Institute of Technology and Management(HITAM).

Runners

• VBIT VOLLEYBALL(MEN'S)

1. CVR COLLEGE OF ENGINEERING(CVR) - WINNER

2. KG REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY(KGRCET) - WINNER

3. CHAITYANYA BHARATHI INSTITUTE OF TECHNOLOGY(CBIT) - WINNER

4. NARSIMHA REDDY ENGINEERING COLLEGE(NRCM) - WINNER

5. SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY(SNIST) - WINNER

6. NALSAR UNIVERSITY OF LAW - WINNER

7. KOMMURI PRATAP REDDY INSTITUTE OF TECHNOLOGY(KPRIT) - WINNER

8. ANURAG UNIVERSITY - RUNNER



22P61A0303
Vamshi Krishna
[Volleyball]



23P65A0307
Sai Ganesh Goud
[Kho Kho]



23P65A0302
Bhogaraju Sridhar
[Kabaddi]

EDITORIAL TEAM :

- Faculty Co-ordinator :



Mr. Gopi Chand Boosa

- Student Co-ordinator :



23P65A0308
SYED ALEEM ALI
[Graphics Designer]



23P65A0303
CH. AMBER SINGH
[Marketing Manager]



23P61A0302
NALLACHERUVU SAI BHARATI
[Copy Editor]



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Engineering the Life - INNOVATE, CREATE, ELEVATE