

ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ವ್ಯವಸ್ಥಾಪನಾ ಮಹಾವಿದ್ಯಾಲಯ
(ವಿ.ಟಿ.ಯು. ಅಡಿಯಲ್ಲಿನ ಸ್ವಾಯತ್ತ ಸಂಸ್ಥೆ)

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(Autonomous Under VTU)

Department of Mechanical Engineering



MECHINFO

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Biannual Department News Letter

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BMS Educational Trust®



BMSIT&M
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Sri B. M. Sreenivasaiah
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FOUNDERS' VISION

Promoting Prosperity of
Mankind by Augmenting
Human Resource Capital through

*Quality Education
and Training*



Sri B. S. Narayan
FOUNDER, BMSET

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Chief Editor
Head of the Department



Prof. Nithya Poornima S
Editor
Assistant Professor



Miss Mukta
VII SEMESTER
Student Coordinator



Miss. Bhoomika
V Semester
Student Coordinator





Vision of the Institute

To emerge as one of the finest technical institutions of higher learning to develop engineering professionals who are technically competent, ethical and environment friendly for betterment of the society.



Vision of the Department

To develop technically competent Mechanical Engineering professionals for the benefit of the society.



Mission of the Institute

Accomplish stimulating learning environment through high quality academic instruction, innovation and industry - institution interface.



Mission of the Department

- Impart quality education in Mechanical Engineering and allied areas by state of the art infrastructure and dedicated faculty.
- Provide conducive environment for both students and faculty to pursue higher education & research and to work ethically for the benefit of society.

Program Educational Objectives (PEOs)

Graduates of the program will:

PEO-1: Be successful professionals in the field of Mechanical Engineering and allied areas.

PEO-2: Exhibit skills to work effectively and ethically in multiple domains of engineering as part of team.

PEO-3: Excel in higher studies, research and adapt in a world of constantly developing technology.



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HODs Desk



The Mechanical Engineering Department has achieved NBA accreditation, underscoring its commitment to high academic standards. The department is supported by a strong faculty, all holding doctoral degrees, and boasts state-of-the-art research laboratories equipped with advanced tools such as 3D printers, CNC machines, and material testing equipment.

Key Highlights:

- **Academic Excellence:** The faculty's dedication to providing quality education helps ensure a robust academic experience for students.
- **Research Focus:** Faculty members are engaged in research in cutting-edge areas, including materials, vibrations, smart materials, alternative fuels, and solar energy.
- **Advanced Facilities:** The department has established a Centre of Excellence in Automotive Engineering, along with strong industry partnerships through MOUs, which facilitate research collaborations and industrial internships.
- **Holistic Development:** The combination of academic rigor, research opportunities, and industry exposure is designed to enhance students' learning and promote their overall development.

These initiatives make the department a hub of learning and innovation, positioning students for success in both academic and professional spheres.



Faculty – Department of Mechanical



Dr. Sanjay HA

Principal & Professor



Dr. Madhu M C

Head of the Department

Specialization : Thermal

Engineering and Renewable



Dr. K.M Sathish Kumar

Professor & Dean Academics

Specialization : Computer Integrated and



Mr. T.N. Praveen Kumar

Associate Professor

Specialization : BE in Mechanical



Dr. O. Gurumurthy

Assistant Professor

Specialization : Manufacturing Engineering



Mr. K. Chandra Sekhara Reddy

Assistant Professor

Specialization : Industrial Engineering



Dr. G.L. Anantha Krishna

Assistant Professor

Specialization: Design Engineering





Dr. Shripad Diwakar

Assistant Professor

Specialization : Thermal Science &



Mrs. Nithya Poornima

Assistant Professor

Specialization : Computer Integrated and Manufacturing (CIM)



Mr. Sriganesh T G

Assistant Professor

Specialization : Computer Integrated and Manufacturing (CIM)



Mr. Sundaresh S

Assistant Professor

Specialization : Product Design and Manufacturing



Dr. Keerthi Kumar N

Assistant Professor

Specialization : Thermal Engineering, Renewable energy



Mr. Kiran M D

Assistant Professor

Specialization : Machine Design



Dr. Y.J. Jagadeesh

Assistant Professor

Specialization : Thermal Engineering



Dr. G. Avinash

Assistant Professor

Specialization : Thermal sciences – Thermodynamics & Combustion





Dr. Nagamadhu.M

Assistant Professor

Specialization : Machine Design



Dr. RavichandraK. R

Assistant Professor

Specialization : Manufacturing Engineer



TECHNICAL STAFF – DEPARTMENT OF MECHANICAL ENGINEERING



Mr.P.K.Ramurthy

Foreman



Mr.Ananda.R

Instructor



Mr.R.Venkatesha

Instructor



Mr. Umashankar.S

Assistant Instructor



Mr.Srinivasa

Assistant Instructor



Mr.Abdul Razak

Assistant Instructor



Mr.Pradeep.C

Mechanic



Mr.Ashok.G.C

Mechanic

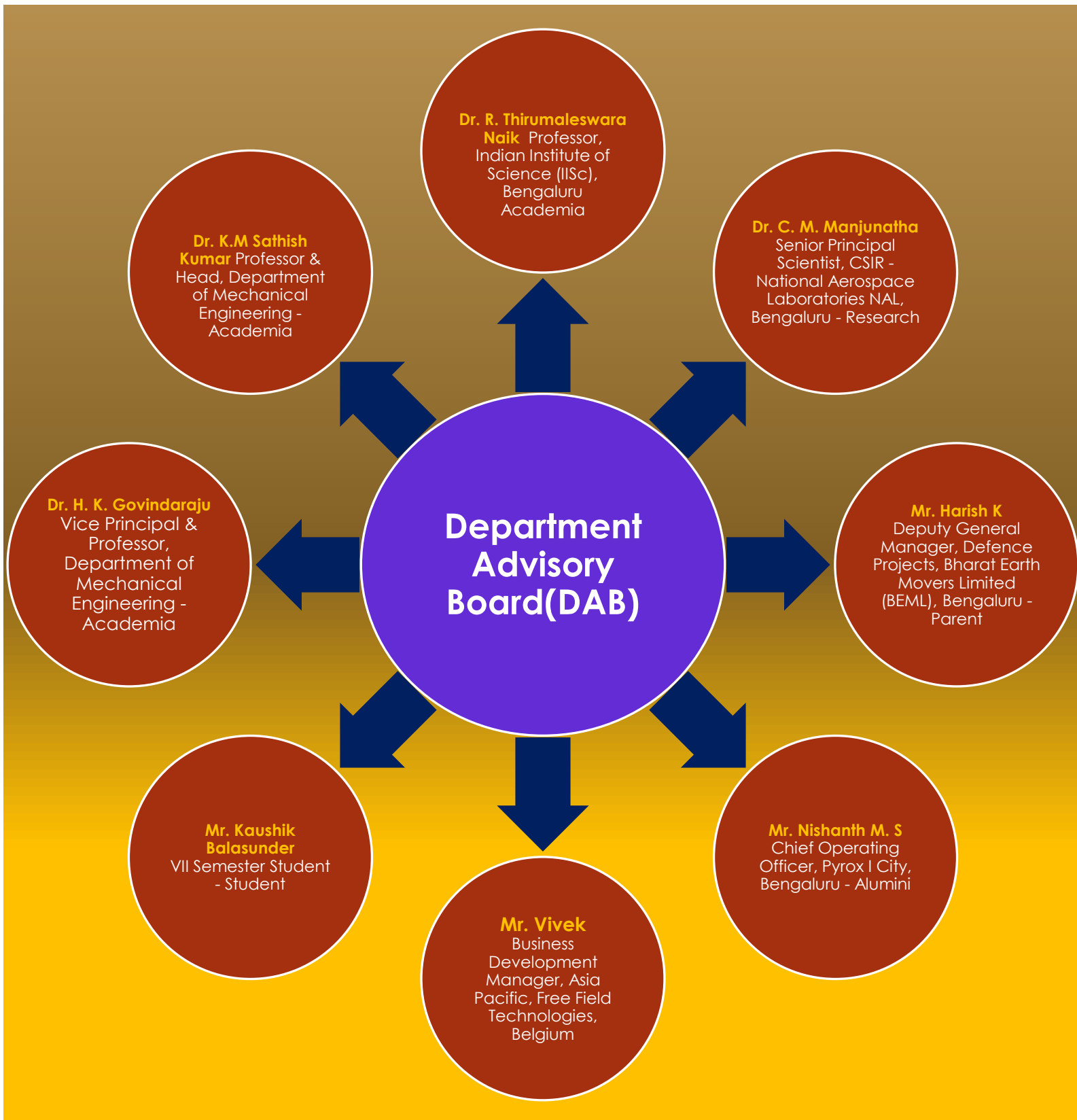


Mr.Srinivasa.K.A

Mechanic



DEPARTMENT ADVISORY BOARD(DAB)



Journal Publication

Dr. Nagamadhu M, Assistant Professor, Dept of Mechanical Engineering published a paper in Journal of The Institution of Engineers (India): Series D, Q2, Scopus, H index 16, SJR 0.27, titled "Evaluating the Von Mises Effect of HSS Twist Drilled Hole on Untreated Sandwich Composites by FE Analysis" Dr. Nagamadhu M, Department of Mechanical Engineering, BMSIT&M, reviewer for Processes , MDPI publication, Q2 Scopus, SCI, Impact factor 2.753.

Kiran M D, Lokesh Yadhav B R, Atul Babbar, Raman Kumar, Sharath Chandra H S, Rashmi P. Shetty, "Tribological properties of CNT-filled epoxy-carbon fabric composites: Optimization and modelling by machine learning", Journal of Materials Research and Technology, Volume 28, 2024, Pages 2582-2601, ISSN 2238-7854, <https://doi.org/10.1016/j.jmrt.2023.12.175>.

Dr. Nagamadhu M, Assistant Professor, Dept of Mechanical Engineering published a paper in Journal of The Institution of Engineers (India): Series D, Q2, Scopus, H index 16, SJR 0.27, titled "Assessing the Von Mises Impact of HSS Twist-Drilled Holes on Pretreated Sandwich Composites Through FE Analysis"

INTERNATIONAL CONFERENCE

Dr. Keerthi Kumar N, "Enhancement of productivity by reducing time in housing for power steering unit using lean manufacturing process" in 5th International conference on Smart and sustainable developments in materials, manufacturing and energy engineering (SME-2023)



WORKSHOP:

Dr. O. Gurumurthy, Assistant Professor & BIS Mentor and Dr. Madhu MC, Assistant Professor, Department of Mechanical Engineering organised a sponsored Standards club activities-"A Group discussion on standardization" was arranged for Mechanical Engineering V semester students on 04th January 2024. This was the first Standards Club program organized by the Department of Mechanical Engineering after the MoU with Bureau of Indian Standards (BIS), Ministry of Consumer Affairs, Food & Public Distribution, GOI. Dr. Kiran MD, Assistant Professor was invited to assess the Group Discussion event.



Photo: First, Second and Third prize winners

FACULTY DEVELOPMENT PROGRAM

Prof. K Chandra Sekhara Reddy, Assistant Professor, Department of Mechanical Engineering has completed the two-week Faculty Development Program on "opportunities and challenges in entrepreneurship " sponsored by NSTEDB, Department of Science and Technology Government of India, held during 3.01.2024 to 19.01. 2024 organized by JSSATE, Science and Technology Entrepreneurship Park , Bengaluru

Dr G. L Anantha Krishna, Prof K. Chandra shekara Reddy, Prof S. Sundaresh, Prof S.Ganesh, and Dr Avinash has successfully attended five day faculty development programme titled "Print Educate and Innovate Engineering Education for Advanced Additive Manufacturing from 5/2/2024 to 9/2/2024 at Nite Campus Bangalore.

Dr. Nagamadhu M, Assistant Professor, Dept. Mechanical Engineering, BMSIT&M, Attended the Four-week Technology Entrepreneurship Development Program on "IoT Embedded



Systems & AI," conducted by
the JSSATE Science and Technology Entrepreneurship Park, Bengaluru, from 4th to 29th
March 2024 online mode



PARENT TEACHER MEETING

Parent Teacher Meeting was held to the parents of 3rd and 5th semester students on 29.01.2024 respectively. Dr.H K Govindaraju, HoD of Mechanical Engineering Department briefed about the department, classes conducted, and various club activities conducted department achievements etc. Parents were glad and appreciated the steps taken by the college for the wellbeing of the students.



Photo of PTM meeting for 3rd and 5th semester



Reviewer

Dr. Nagamadhu M, Department of Mechanical Engineering, BMSIT&M, reviewer for Science and Engineering of Composite Materials, De Gruyter Publication, H index 25, Q2, SJR 0.42, Scopus, Impact factor 1,9.

Dr. Nagamadhu M, Assistant Professor, Dept. Mechanical Engineering, BMSIT&M, Reviewer for Journal of Building, MDPI publication, H index 45, SJR 0.61, Q1, SCIE, Impact factor 3.8
Dr. Nagamadhu M, Department of Mechanical Engineering, BMSIT&M, reviewer for Processes , MDPI publication, Q2 Scopus, SCI, Impact factor 2.753.

Dr. Nagamadhu M, Department of Mechanical Engineering, BMSIT&M, reviewer for Processes , MDPI publication, H index 219, Q1 Scopus, SCI, Impact factor 3.576

Dr. Nagamadhu M, Assistant Professor, Department of Mechanical Engineering, BMSIT&M, reviewer for Water, MDPI publication, Q1 Scopus, SCI, H Index 102, Impact factor 3.4

Dr. Nagamadhu M, , Assistant Professor, Department of Mechanical Engineering, BMSIT&M, reviewer for Express Polymer Letters, Q2 Scopus, H Index 87, Impact factor 3.3.



EXPERT TALK:

Dr. Nagamadhu M, Department of Mechanical Engineering, BMSIT&M, organized guest talk for Electric Vehicle Technology Course form the industrial expert Mr. Harsha S, Rethium Power Tech LLP - Battery Solution For Better World on 2nd February 2024 at Seminar Hall 2, Second floor, Academic Block.

Prof K.Chandra Sekhara Reddy, Assistant Professor, organized an alumni talk by Mr Ajith Babu (1BY13 alumus) titled " Technology Trends in Electric Vehicle Development" for 5th semester ME students on 03rd February 2024.



Alumni talk by Mr Ajith Babu



INDUSTRIAL VISIT:

The department of mechanical organized an industrial visit to VIJAY SPHEROIDALS PVT. LTD for the students of 2ND Year (3RD Sem) Mechanical Department on 17th February 2024 under the guidance of Dr Ravichandra and Prof. Nitya Pournima. The visit aimed to observe the manufacturing processes of automotive parts focusing on Centrifugal Casting & finishing process of the casted part. The visit to VIJAY SPHEROIDALS PVT. LTD. Ensured the students valuable insights into the practical application of our course theories, especially in material science, casting, automation and manufacturing processes. It was an enriching experience that broadened our understanding of the manufacturing sector.



Industrial visit to VIJAY

SPHEROIDALS PVT. LTD

Bureau of Standards in Collaboration with BMSIT&M organised an exposure visit to Jindal Aluminium Pvt Ltd ,Dobaspet. Students got an exposure to the sections of Aluminium rolling and Extrusions process. Around 25 students benefited from this visit. Dr.H.K Govindaraju,HoD,ME , Dr.O Gurumurthy and Dr.Madhu M.C and DR. Sripad Diwakar along with Mr Srinivas,Instructor accompanied the team during February 2024.



Visit to Jindal Aluminium Pvt Ltd

NPTEL ONLINE CERTIFICATION COURSE

Dr. Shripad Diwakar, Assistant Professor, Department of Mechanical Engineering, BMS Institute of Technology and Management has successfully completed NPTEL online certification course on "Energy Resources, Economics and Sustainability" with consolidated score of 83% (Elite grade) conducted by Indian Institute of Technology, Roorkee during the period Feb – Apr 2024.



OUTREACH ACTIVITY

Dr. O.Gurumurthy, Assistant Professor & BIS Mentor, participated in the "International Standards Summit-2024" being organized jointly by Bureau of Indian Standards (BIS) and Confederation of Indian Industries Institute of Quality (CII-IQ) at Taj Yeswanthapur , Bangalore on 04-05 July 2024(2 Days). The main focus is to integrate the energy sector, which includes new technologies, green hydrogen, net zero approaches, and industry-academia cooperation.



OUTREACH ACTIVITY



OUR SISTER INSTITUTIONS

BMS College of Engineering
Bull Temple Road, Bengaluru
www.bmsce.in

BMS College of Law
Bull Temple Road, Bengaluru
www.bmscl.ac.in

BMS PU College for Women
Buglerock Road, Bengaluru
www.bmscw.edu.in

BMS Degree College for Women
Buglerock Road, Bengaluru
www.bmscw.edu.in

BMS Evening College of Engineering
Bull Temple Road, Bengaluru
www.bmsece.in

BMS School of Architecture
Avalahalli, Yelahanka, Bengaluru
www.bmssa.ac.in

BMS Training & Research Institute
Bull Temple Road, Bengaluru

BMS Centre for Executive Education & Distance Learning
KL Road, V V Puram, Bengaluru
www.bmsceedl.com

BMS Evening College of Arts & Commerce (BMSEC)
Basavanagudi, Bengaluru
www.bmseca.in

BMS College of Architecture
Bull Temple Road, Bengaluru
www.bmsca.org

BMS College of Commerce & Management
KL Road, VV Puram, Bengaluru
www.bmsccm.in



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