



ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ವ್ಯವಸ್ಥಾಪನಾ ಮಹಾವಿದ್ಯಾಲಯ

**BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT**

(Autonomous Institution Under VTU)

Yelahanka, Bengaluru -560119



**MANTHANA**

**ಮಂಥನ**

**2025**

# Founder's Vision



**LATE SRI. B M SREENIVASAI AH**  
FOUNDER, BMSCE



**LATE SRI. B S NARAYAN**  
FOUNDER, BMSET

## FOUNDER'S VISION

Promoting prosperity of mankind by augmenting human resource capital through quality education and training

## THEY MADE HISTORY BY THEIR INDOMITABLE SPIRIT

The history of BMS Institutions dates back to the year 1946. Late Sri B.M. Sreenivasaiah, a philanthropist and visionary, realized the importance of technical education. BMS College of Engineering, which he started in 1946, has the distinction of being the first private engineering college in the country. Late Sri B.M. Sreenivasaiah was conferred with the title "Dharmaprakasha Rajakaryaprasaktha" by the Maharaja of Mysore for his yeoman service in the education sector. The inheritors of his legacy continued to cherish and uphold his vision and ideals.

After the demise of Late Sri B.M. Sreenivasaiah, his illustrious son Sri B.S. Narayan, a dynamic and enterprising personality, developed BMS College of Engineering into one of the finest engineering colleges in the country. He is responsible for the creation of BMS Educational Trust (BMSET) under which he established other institutions of higher education, including BMS College of Law, BMS College for Women and BMS Evening College of Engineering. He was instrumental in initiating several collaborative programs, such as cross-cultural program with VHS, Melton Foundation and Training of foreign students under International Co-operation Division (ICD).

After the demise of Sri B.S. Narayan, the affairs of BMS Institutions are being effectively managed by the Council of Trustees appointed by Dr. B.S. Ragini Narayan wife of Late Sri B.S. Narayan and currently the Donor Trustee & Member Secretary of BMS Educational Trust.



## ABOUT US

**BMS Institutions takes pride in educating students since 1946 in various fields of Engineering and continues to provide world class education in the coming years with more emphasis on research and development. The history of BMS Educational Trust rewinds back to the year 1946 with the establishment of the first private engineering college in the country. BMSIT&M Alumni can be found all over the world**

## VISION

**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.**

## MISSION

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

## COURSES OFFERED

### UNDERGRADUATE PROGRAMS

- B.E. in Artificial Intelligence and Machine Learning
- B.E. in Civil Engineering
- B.E. in Computer Science and Engineering
- B.E. in Computer Science and Business Systems
- B.E. in Electronics and Communication Engineering
- B.E. in Electrical and Electronics Engineering
- B.E. in Electronics and Telecommunication Engineering
- B.E. in Information Science and Engineering
- B.E. in Mechanical Engineering

### POSTGRADUATE COURSES

- Master of Computer Applications (MCA)
- Master of Business Administration (MBA)
- M.Tech in Computer Science and Engineering
- M.Tech in Cyber Security
- M.Tech in VLSI System Design

### RESEARCH PROGRAMMES

- M. Sc. (Engg.) By Research
- Doctor of Philosophy (Ph. D)

# BMS EDUCATIONAL TRUST BENGALURU

## Council of Trustees



**DR. B S RAGINI NARAYAN**  
Educationist, Chairperson  
Donor Trustee, Member Secretary  
BMSET



**DR. P DAYANANDA PAI**  
Chairman, Century Group  
Life Trustee, BMSET  
Chairman, BOG, BMSCE



**SRI. AVIRAM SHARMA**  
Trustee, BMSET  
Chairman, BOG, BMSIT&M



**DR. THIRUMALACHARI RAMASAMI**  
Former Secretary, DST, Government of  
India, Trustee, BMSET



**STATE GOVERNMENT NOMINEE**  
Trustee, BMSET

# BMSIT&M

## Board of Governors



**SRI. AVIRAM SHARMA**  
Chairman, BOG, BMSIT&M and  
Trustee, BMSET  
**Chairman**



**DR. B S RAGINI NARAYAN**  
Educationist, Donor Trustee  
Member Secretary,  
Chairperson, BMSET  
**Donor Trustee**



**DR. P DAYANANDA PAI**  
Chairman, Century Group  
Chairman, BOG, BMSCE  
Life Trustee, BMSET  
**Member**



**DR. THIRUMALACHARI  
RAMASAMI**  
Former Secretary, DST,  
Government of India, Trustee,  
BMSET  
**Member**



**PROF. GIRIDHAR U KULKARNI**  
President, Jawaharlal Nehru  
Centre for Advanced Scientific  
Research, Bengaluru  
**Member**



**STATE GOVERNMENT  
NOMINEE**  
Trustee, BMSET  
**Member**



**DR. N C SHIVAPRAKASH**  
Professor (Retd)  
Instrumentation and Applied  
Physics  
IISc, Bengaluru  
**Member, VTU Nominee**



**DR. SATYA GUPTA**  
President, VLSI Society of  
India, Bengaluru  
**Industrialist, Member**



**DR. ANIL G N**  
Vice Principal  
Professor, CSE  
**Member,  
Faculty Representative**



**DR. AMBIKA R**  
Dean - Student Welfare  
Professor, ECE  
**Member,  
Faculty Representative**



**SRI. G H VASAPPA**  
Registrar  
Dept. of Administration  
**Member**



**DR. SANJAY H A**  
Principal, BMSIT&M  
**Member Secretary**

## Message from Trustee



**DR. B S RAGINI NARAYAN**

**Dear Students,**

I am excited to announce the release of this year's magazine **Manthana**—a true reflection of the innovation, technical excellence, and creativity that define our engineering community as a proud supporter of this esteemed institution. Education is the foundation upon which you can build a meaningful and impactful future, not only for yourselves but for society as a whole.

Remember, challenges are stepping stones to success, and the experiences you gather here will shape you into resilient, innovative, and compassionate individuals. I encourage you to dream big, work hard, and make the most of every opportunity that comes your way. Your curiosity and determination will be the driving forces in achieving greatness.

I believe in your potential to create positive change and look forward to seeing how each of you will contribute to the world. Stay inspired, stay focused, and never forget the power of your vision.

This publication showcases your outstanding achievements in design, research, and problem-solving, highlighting the spirit of collaboration and ingenuity but also the rich cultural diversity and cooperative ethos that define our community and drives our college forward.

I extend my heartfelt appreciation to the editorial team, our dedicated faculty, and every student who contributed to this edition. Your commitment and passion have created a magazine that not only celebrates our collective accomplishments but also inspires us to push the boundaries of engineering excellence.

Congratulations to everyone involved, and let's continue to innovate and excel together.

**Warm regards,**

**Dr. B. S. Ragini Narayan**

**Chairperson, Donor Trustee & Member Secretary**

**BMS Educational Trust**

## Message from Trustee



**DR. P DAYANANDA PAI**

Dear Students,

I am thrilled to share the exciting news of our college magazine "Manthana" release this year! This publication is a wonderful showcase of your creativity, dedication, and the energetic spirit that defines one year college journey. It features an array of contributions in publication that reflects not only our technical achievements and innovative spirit but also includes non-technical writings, artworks, photographs, and more—each piece reflecting the unique experiences and talents that make our community so special.

I encourage everyone to take a moment to enjoy the magazine, celebrate the efforts of your peers, and find inspiration for future contributions. Let this magazine remind us all of our collective journey and the limitless opportunities ahead.

I would like to express my sincere appreciation to the editorial team, our teachers, and all the students who played a part in bringing this edition to life. Your commitment and enthusiasm have resulted in a magazine that truly captures the essence of our college.

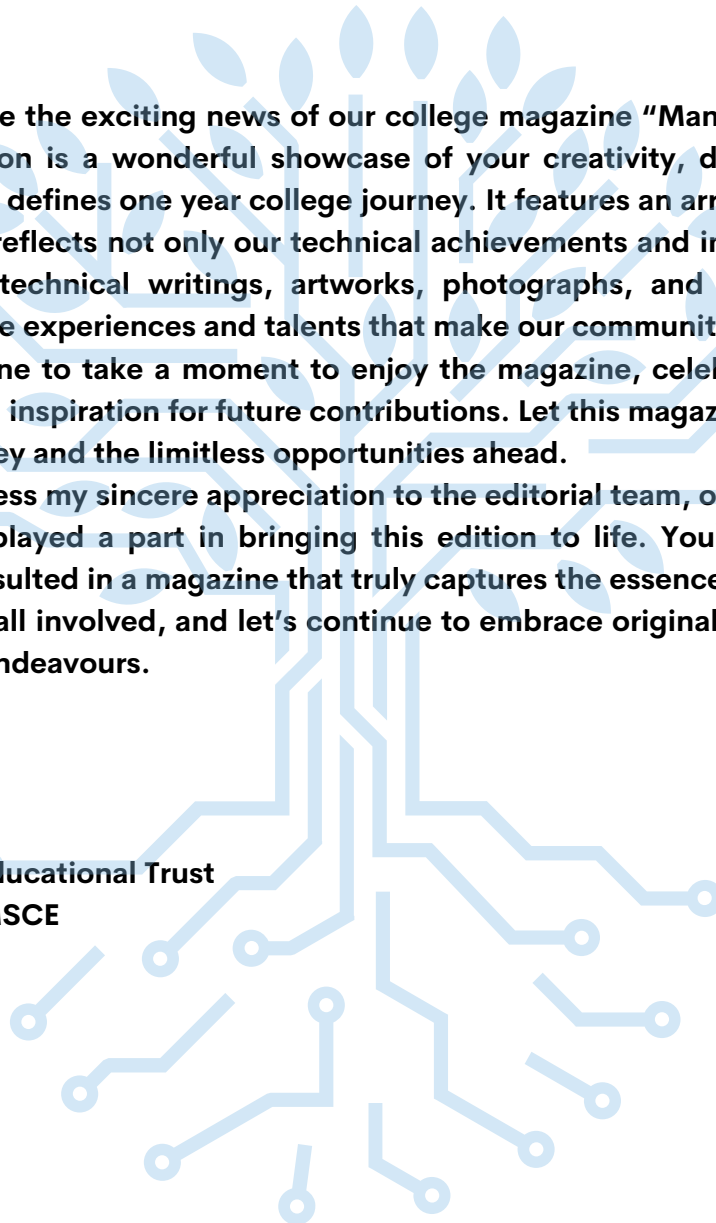
Congratulations to all involved, and let's continue to embrace originality, teamwork, and brilliance in every endeavours.

Warm regards,

Dr. P Dayananda Pai

Life Trustee, BMS Educational Trust

Chairman, BOG, BMSCE



## Message from Chairman



**SRI. AVIRAM SHARMA**

Dear Students,

It is with great pride and joy that I extend my warmest greetings to the BMS Institute of Technology and Management family on the release of *Manthana 2025*, our annual college magazine. This publication stands as a testament to the creativity, intellect, and dedication of our students and faculty, capturing the essence of academic and extracurricular excellence at BMSIT&M.

Education is not just about acquiring knowledge; it is about fostering innovation, nurturing talent, and shaping responsible leaders for the future. At BMSIT&M, we are committed to creating an environment that encourages curiosity, critical thinking, and holistic development. *Manthana* beautifully reflects this vision by providing a platform for students to express their thoughts, ideas, and achievements.

I commend the editorial team for their dedication in bringing this magazine to life and congratulate all contributors for their inspiring work. May *Manthana 2025* continue to motivate and ignite creativity in the minds of our young achievers.

Best wishes for continued success in all your endeavors!

Sincerely,

Sri. Aviram Sharma

Trustee, BMS Educational Trust

Chairman, BOG, BMSIT&M

## Message from Principal



DR. SANJAY H A

Dear Students,

It gives me immense pleasure to present **Manthana 2025**, the annual magazine of BMS Institute of Technology and Management. This magazine serves as a vibrant platform to showcase our students' and faculty's creativity, achievements, and intellectual contributions.

At BMSIT&M, we foster holistic development by encouraging academic excellence, innovation, and extracurricular pursuits. **Manthana** is a testament to our institution's diverse talents, reflecting scholarly endeavours, artistic and literary expressions that enrich our academic environment.

The past year has been remarkable, with our students and faculty making significant strides in research, technology, and community engagement. Their dedication and perseverance continue to uphold the values of our institution, inspiring a culture of learning and excellence.

I extend my heartfelt appreciation to the editorial team for their efforts in curating this edition of **Manthana**. I also congratulate all contributors whose works have added value to this publication. May this magazine continue to inspire creativity and serve as a chronicle of our collective growth and achievements.

Wishing you all success in your future endeavours!

Dr. Sanjay H A.  
Principal, BMSIT&M

## Message from the Editorial Team



Dear Readers,

We are delighted to announce the much-anticipated release of this year's College magazine Manthana! This magazine is a reflection of your creativity, hard work, and the vibrant spirit that defines our college technical and non-technical community. It showcases your talents in writing, art, photography, and more, celebrating the achievements and experiences that make our college special.

We encourage each of you to take time to read through the magazine, appreciate the efforts of your peers, and be inspired to contribute in the future. Let this magazine be a reminder of our shared journey and the endless possibilities that lie ahead.

We would like to extend our heartfelt gratitude to all the teachers, staff and students who contributed in making this edition a success. Your dedication and passion have resulted in a publication that truly represents the emotion and sentiments of our college. Congratulations to everyone involved! Let's continue to nurture creativity, collaboration, and excellence in all that we do.

Sincerely,  
The Editorial Team

# Editorial Team of Manthana

**DR. AMBIKA R**  
DEPARTMENT OF ECE AND  
DEAN - SW

**DR. GEETA AMOL PATIL**  
EDITOR,  
DEPARTMENT OF ISE

**DR. HARISH KUMAR N**  
CO-EDITOR,  
DEPARTMENT OF ISE

**DR. RAJESH I S**  
DEPARTMENT OF AI&ML

**PROF. UDAYAPRASAD P K**  
DEPARTMENT OF CSBS

**PROF. ARPITHA S.**  
DEPARTMENT OF CSE

**PROF. AKSHAY ARYA**  
DEPARTMENT OF CSE

**PROF. RAJESH N V**  
DEPARTMENT OF CSE

**PROF. VINAY KUMAR**  
DEPARTMENT OF CSE

**PROF. AMULYA**  
DEPARTMENT OF CSE

**DR. ANITHA M**  
DEPARTMENT OF ECE

**PROF. SHILPA G**  
DEPARTMENT OF EEE

**DR. SARITHA I G**  
DEPARTMENT OF ETE

**PROF. NITHYA POORNIMA**  
DEPARTMENT OF ME

**PROF. SHIMNA MANOHARAN**  
DEPARTMENT OF CV

**DR. VISHWANATHA M R**  
DEPARTMENT OF MBA

**PROF. ASHWITHA K**  
DEPARTMENT OF MCA

**DR. SANDRA DIAS**  
DEPARTMENT OF PHYSICS

**DR. JEEVAN CHAKRAVARTHY**  
DEPARTMENT OF CHEMISTRY

**DR. KALLUR V VIJAYKUMAR**  
DEPARTMENT OF MATHEMATICS

**PROF. TEJASWINI B J**  
DEPARTMENT OF HSS

**MR. LIJU C**  
DEPARTMENT OF CSE

**LT. RANI M S**  
DEPARTMENT OF SPORTS/  
NCC OFFICER

**MR. SHARATH SAGAR M S**  
DEPARTMENT OF LIBRARY

**SOWRABHI NARAYANAN**  
STUDENT COORDINATOR  
DEPARTMENT OF ISE

**SUPRIYA GOUDA**  
STUDENT COORDINATOR  
DEPARTMENT OF ISE

**ADITHYA R HIREMATH**  
STUDENT COORDINATOR  
DEPARTMENT OF ECE

**MITHILA RAJESH**  
STUDENT COORDINATOR  
DEPARTMENT OF ME

**YOGIN N C**  
STUDENT COORDINATOR  
DEPARTMENT OF MCA

**AAKANKSHA K**  
STUDENT COORDINATOR  
DEPARTMENT OF ETE

**ARPITHA PANDIT**  
STUDENT COORDINATOR  
DEPARTMENT OF CV

**KRISHNA PRIYA R**  
STUDENT COORDINATOR  
DEPARTMENT OF MBA

**ROHAN C**  
STUDENT COORDINATOR  
DEPARTMENT OF EEE

**G. BHAVANA**  
STUDENT COORDINATOR  
DEPARTMENT OF CSE

**RANGI SRISUHAAS**  
STUDENT COORDINATOR  
DEPARTMENT OF AIML

**HARSH KUMAR**  
STUDENT COORDINATOR  
DEPARTMENT OF CSBS

# Contents

1. VISION, MISSION OF BMSIT&M AND COURSES OFFERED	
2. TRUSTEES OF BMS EDUCATIONAL TRUST	
3. BMSIT&M BOARD OF GOVERNORS	
4. TRUSTEES AND PRINCIPAL MESSAGES	
5. EDITORIAL BOARD MANTHANA - 2025	
6. DEPARTMENTS PROFILE	
> Computer Science and Engineering	[02]
> Electronics and Communication Engineering	[04]
> Mechanical Engineering	[06]
> Electrical and Electronics Engineering	[08]
> Electronics and Telecommunication Engineering	[10]
> Information Science and Engineering	[12]
> Civil Engineering	[14]
> Artificial Intelligence and Machine Learning	[16]
> Computer Science and Business Systems	[18]
> Master of Computer Applications	[20]
> Master of Business Administration	[22]
> Chemistry	[24]
> Mathematics	[25]
> Physics	[26]
> Humanities and Social Sciences	[28]
7. SECTIONS AND INSTITUTION CLUBS / CELLS / UNITS PROFILES	
> Training and Placement Section	[31]
> Higher Education Facilities Centre	[33]
> BMS Innovation Centre and Entrepreneurship Park (BICEP)	[35]
> Intellectual Property Cell	[39]
> Library and Information Centre	[41]
> Physical Education and Sports	[43]
> National Cadet Corps	[46]
> National Service Scheme (NSS)	[50]
> OIKOS Eco- Club	[53]
> Gender Champion Cell	[55]
> Women Empowerment Cell	[56]
> Institute of Electrical & Electronics Engineers Society	[58]
> Institution of Electronics & Telecommunication Engineer Society	[62]
> College Internal Complaint Committee (CICC)	[63]
> Public Relations and Media Cell	[63]
> SC/ST Cell	[64]
> Cultural Cell	[65]
> Research & Consultancy Cell	[67]
> Rotaract Club	[69]
8. PHOTO GALLERY	[71]
9. ARTICLES - LITERARY / TECHNICAL / ALUMNI	[105]
10. ART GALLERY	[140]



# Department Profile

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

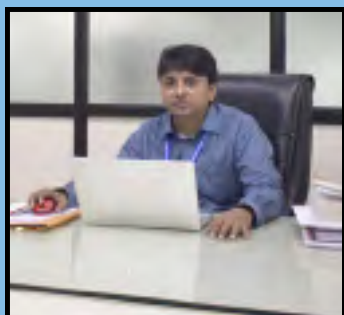


**Dr. Thippeswamy G**  
Professor & HoD

The Department of Computer Science & Engineering has excelled across multiple facets including student engagement, faculty expertise, infrastructure enhancement, placement opportunities, internships, and support for entrepreneurial ventures. Noteworthy is the department's designation as a Research Centre by VTU, with 22 scholars currently enrolled in Ph.D. programs. Our faculty, comprising 44 highly qualified members, including nineteen Ph.D. holders across various domains, remains dedicated to elevating educational standards. Additionally, our team of skilled technical staff continuously endeavours to enhance the quality of education.

Our students demonstrate remarkable competence, securing internships in prestigious companies with stipends reaching up to Eighty thousand rupees per month. Embracing Outcome-Based Education (OBE), our Undergraduate Programme holds accreditation from the National Board of Accreditation (NBA), New Delhi, and maintains permanent affiliation with Visvesvaraya Technological University (VTU), Belagavi.

Furthermore, the establishment of student chapters such as the IEEE student club and CSI on our campus signifies our commitment to bridging the gap between academia and industry, with a vision of "IT for Masses." With these achievements, we are confident in our department's preparedness to address future challenges and meet the evolving needs of industry and society.



**Dr. Mahesh G**  
Professor & Associate Head (CS-1)



**Dr. Satish Kumar T**  
Professor & Associate Head (CS-2)



**Dr. Radhika K R**  
Assoc. Professor & Associate Head (CS-3)

## Vision:

To develop technical professionals acquainted with recent trends and technologies of computer science to serve as valuable resource for the nation / society.

## Mission:

Facilitating and exposing the students to various learning opportunities through dedicated academic teaching, guidance and monitoring..

## PSO:

1. Analyze the problem and identify computing requirements appropriate to its solution.
2. Apply design and development principles in the construction of software systems of varying complexity.

## Department Statistics at a glance:

- No. of students (UG+PG) UG: 1791+ PG: 30
- No. of Doctorates-25
- Faculty Count-44
- No. of Research Scholars-22
- No. of FDP & Workshop/Seminar/ Expert talk-02
- No. of publications-29
- Club Activities/ Professional Society activity-03

## Major Faculty Achievements:

Dr. Ambika G N, Assistant Professor, received Ph.D. award during convocation from VTU Belagavi, on 18.07.2024

Dr. Anand R, Assistant Professor, received Ph.D. award during convocation from Presidency, on 29.11.2024

Dr. Durga Bhavani, Assistant Professor, received Ph.D. award during convocation from VTU Belagavi, on 27.12.2024

## Major Student Achievements :

- Adbhut Shukla of 8th semester has qualified GATE 2025 with a score of 540 and secured an All India Rank (AIR) of 103.
- Meghana Prasad, of 8th semester has received "Best Outgoing Student Award" from CSE department for the year 2025.
- Ayesha Kouser B, Bhavish Ramesh Kunder, Aayush H Perampaddappu, Sumukha Kambaloor of 6th semester has won First prize in a Hackathon "ADVAYA" held at BGSCET under the theme "Culture and Tourism".
- Project Titled "Women's Safety Device with Fingerprint Authentication, Real-Time Alerts, and Vulnerability Mapping" By Shreya Patil, B S Srividya, Lassika Agarwal, Rheya J approved for the scholarship of amount 4,500/- by KSCST 48th series , 2024-2025.
- Project Titled "Smart Doorbell System With 2-Factor Biometric Authentication" By B.V.Snikhil, Hemaang Sood, Palak Dengla, Sanya Saeed approved for the scholarship of amount 4,500/- by KSCST 48th series , 2024-2025.
- Project Titled "Aquabot: Smart Robotics For Pipeline Health" by Vishal R Shetty, V.Vamshi Krishna, Villuri Vivek, Y. Vishnu Reddy approved for the scholarship of amount 4,500/- by KSCST 48th series , 2024-2025.
- Project Titled "Environment Compliance on Land Registration Using Block-Chain and IoT" by Rudra Reddy N, Manjunatha K B, Sandeep, Monika K approved for the scholarship of amount 4,500/- by KSCST 48th series , 2024-2025.
- Project Titled "Quantum Computing for Network Traffic Analysis" by Anish Raju, Abhishek Kumar, Adbhut Shukla, Arjun P approved for the scholarship of amount 2,000/- by KSCST 48th series , 2024-2025.
- The Department of Computer Science and Engineering conducted a project exhibition for 8th-semester students. Evaluators Ayush and Aditya judged the projects, and three outstanding projects were awarded first, second, and third prizes.



- Abdullah of 4th semester won third place in "IDEATHON UI/UX Design Competition" held on 24th May 2025, organized by Computer Science Department, BMSIT&M Yelahanka.
- G Ruchitha and Nalina Ramesh of 4th semester won third place and a cash reward of Rs 1000 at "Build and Conquer- A hackathon by Alterino" held on 23rd May 2025, organized by Alterino club, at BMSIT&M Yelahanka.
- Anant Singh, Advaita Srivastav, Harleen Kaur and Ankit Singh secured 3rd position in Incseption that was 8 hours internal hackathon organized by computer science department of BMSIT.



# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



**Dr. Shobharani A**  
**Professor & HoD**

Department of Electronics and Communication Engineering (ECE) was established in the year 2002-03, affiliated to Visvesvaraya Technological University (VTU), Belagavi and approved by All India Council for Technical Education (AICTE). The UG programme is provisionally accredited by the National Board of Accreditation (NBA), New Delhi till June 2025. The department offers full-time UG programme in Electronics & Communication Engineering, full time PG programme Mtech in VLSI System Design from 2025 and has a research center recognized by VTU, Belagavi. The department has qualified and experienced faculty members with expertise in VLSI and embedded systems, digital communication, signal processing, computer networks, Nano electronics, RF communication etc. To bridge the gap between industry and academia, the department is organizing industrial visits, expert talks, workshops, partial deliveries, etc. Department has computational neuroscience and engineering laboratory (CNERLAB), dedicated to cutting-edge research in the field of biomedical signal and Image analysis.

## Major Faculty Achievements :

- Dr. Dankan Gowda V, has been named among the World's Top 2% Scientists for 2024 by Stanford University, USA. The prestigious list was published on September 16<sup>th</sup>, 2024.
- Dr. Saneesh Cleatus Thundiyil, Dr. Dankan Gowda V, Dr Sateesh Kumar honored with the Best Researcher Award for the academic year 2023-2024.
- Prof. Thyagaraj T, Prof. Mamatha K R, Prof. Soumya Vastrad and Prof. Asha G H completed final Ph.D. Viva-Voce examination and PhD Degree awarded.
- Dr. Saneesh Cleatus Thundiyil, received the Outstanding Professional Volunteer for Academia award for his mentorship and contributions to IEEE signal processing society.

## Vision:

Be a pioneer in providing quality education in Electronics, Communication and allied engineering fields to serve as valuable resource for industry and society.

## Mission:

1. Impart sound theoretical concepts and practical skills through innovative pedagogy
2. Promote interdisciplinary research
3. Inculcate professional ethics.

## PSOs:

1. Demonstrate the knowledge of electronic devices, circuits, micro-nano electronics and other fundamental courses to exhibit competency in the domain of VLSI design.
2. Comprehend the gathered knowledge and technological advancements in the field of communication and signal processing.
3. Exhibit the skills gathered to analyze, design, develop software applications and hardware products in the field of embedded systems and allied areas.

## Department Statistics at a glance:

- No. of students: 654
- No. of Faculty members: 29
- No. Professor / Associate Professor / Assistant Professor: 5/8/16
- No. of Doctorates: 25
- No. of Research Scholars: 22
- No. of FDP & Workshop/Seminar/ Expert talk organized: 0/2//2
- No. of Journal publications: 30
- No. of conferences paper presented: 21
- No. of club activities: 4
- No. of Consultancy/Funded Projects - 0/2

## Major Student Achievements :

- MathWorks CodeCruX Hackathon was organized by the department of ECE and ETE under MATLAB CLUB-BMSIT&M and Innovation cell, BMSIT&M in association with BMSCE and MATHWORKS with two phases on 25<sup>th</sup> September 2024 and 9<sup>th</sup> October 2024 and Preeti Bhat Rohan Jemmy and Vaishnavi Ghati secured Third place.
- Tarun Patil, Sri Srujan Hari T, Harshitha k V and Nitish kS, students from the ECE department, secured the second prize in the " KAGADA 20 " at UVCE Bangalore , IEEE Annual National-Level Technical Student Conference on 26<sup>th</sup> October 2024 titled Real Time Smart Aquarium monitoring system Driven by IOT
- Nithish K S , Harshitha K V of 3<sup>rd</sup> semester ECE Students won the best paper award, Paper titled "Real-Time Aquaponics Monitoring with Gamma-Corrected Video Streaming and Remote Management" during the Second National Conference on Advances in Science and Technology for Regenerative Agriculture [ASTRA – 2024] organized by the department of agricultural Engineering , Bannari Amman Institute of Technology" at Sathyamangalam, Tamilnadu during December 19<sup>th</sup> – 20<sup>th</sup> ,2024.
- Student Group of Srijan U,Vibha and Nithish K S, Kulajeet Barman got the 1<sup>st</sup> prize, 2<sup>nd</sup> during poster presentation event , which was organized on Thursday 26<sup>th</sup> December 2024 for 1<sup>st</sup> and 3<sup>rd</sup> semester students in collaboration with the Bureau of Indian Standards (BIS), Bengaluru Branch,at BMSIT &M.
- Students of third semester ECE, Team Insight Syndicate , received the First Prize in Smart India Hackathon 2024 for their idea, "Grey and Black Water Management; The students Alan Biju, A V Ravishankar, Apoorva D, Mohammed Ayaan, Vishnu Vijay N and Saanvi M, developed a hardware prototype SIH Venue, to solve urban drainage issues. The Smart India Hackathon (SIH) 2024 Hardware Edition was held at the Panipat Institute of Engineering and Technology (PIET) from December 11<sup>th</sup> –15<sup>th</sup> , 2024.



- Shishir Aithal, Karthik, and Subhash students of ECE dept showcased MORPHING DRONE—a groundbreaking project that integrates flexibility and precision in drone technology and secured First place in the competition Pragathi 2.0 held at BMS College of Engineering on 5<sup>th</sup> and 6<sup>th</sup> December 2024 .
- Team SPATIKA Of Tarun Patil. , Sri Srujan Hari T, Harshitha K V, Nitish K S, of 4<sup>th</sup> Sem ECE attended SAMSUNG ANVESHANA National level competition at BIT Bangalore on 19<sup>th</sup> February and secured the Third place and cash prize of 30000 for " Smart Automated Feeding and Environmental Monitoring System for Sericulture" model .



- Nitish KS, Sri Srujan Hari T, Tarun Patil of ECE dept won the 1<sup>st</sup> runner up prize at the 11<sup>th</sup> edition of the National Level Technical Project Exhibition (SRISHTI-2025) at Saintgits College of Engineering, Kottayam, Kerala, conducted during 24-25 Feb 2025 for the project titled IOT- based Environmental Monitoring System with Threshold Mechanism for Smart Cities.
- Jayashree and Ananya of 6<sup>th</sup> Sem ECE under the guidance of Dr Asha G Hagargund got an approval for funding of 5000 USD from IEEE EMBS society for a biomedical project.
- Student project "ML aided robotic arm for dental alignment diagnosis". By Apoorva Shetty, Roshan H v, Rohith Chavan, Chethan Kumar N V approved for the scholarship of amount 5500/- by KSCST 48 TH SERIES , 2024-2025

# DEPARTMENT OF MECHANICAL ENGINEERING



**Dr. Madhu M C**  
**Assistant Professor & HoD**

The programme is affiliated to Visvesvaraya Technological University (VTU), Belagavi and approved by All India Council for Technical Education (AICTE). The UG programme is accredited by the National Board of Accreditation (NBA), New Delhi and Permanently Affiliated to Visvesvaraya Technological University (VTU), Belagavi. The Department has been one of the most vibrant among all, in terms of students, faculty, facility, placements, internships and incubation centre. The department is recognized as a Research Centre by VTU and 26 scholars who have enrolled for PhD. The department is supported by 17 qualified and experienced faculty members with 12 doctoral degree holders in different domains. Our department has introduced new emerging labs in the fields of IOT Electric Vehicle and Robotics and automation. Our department has a team of highly skilled, motivated, proficient faculty and technical staff members who are striving hard continuously to enhance the quality of education.

## Major Student Achievements :

Team Motor Heads- Faculty coordinator, Dr. Nagamadhu and students of IV and VI semester participated in Indian Karting Race on 17<sup>th</sup> March 2025 and has received the "Design Award" at the Electric Vehicle Kart Championship 2025, Travel for Eco Racing at Hindustan College of Engineering Coimbatore.



### Vision:

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

### Mission:

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

### PSOs:

- Analyze and design the mechanical components and systems
- Analyze the fluid and thermal aspects of different mechanical systems
- Develop materials and managements through different manufacturing methods

### Department Statistics at a glance:

- No. of students:236
- No. of Faculty members: 17
- No. Professor / Associate Professor / Assistant Professor:1/2/13
- No. of Doctorates:11
- No. of Research Scholars:26
- No. of FDP & Workshop/Seminar/ Expert talk organized: 1/3/3
- No. of Journal publications: 20
- No. of conferences paper presented:8
- No. of club activities: 2

## Major Faculty Achievements :

- Prof Praveen Kumar T N, Associate Professor, Chief Co-ordinator Intellectual Property (IP) Cell participated in the Brainstorming Session on The IPR Training Programs as a resource person on 10<sup>th</sup> March 2025 at Indian Institute of Science(IISc.), Bengaluru organized by Karnataka State Council for Science and Technology (KSCST) and Dept. of Collegiate and Technical Education (DCTE), Govt. of Karnataka in association with IPTel, Indian Institute of Science (IISc) and Bengaluru Science and Technology (BeST) Cluster.
- Prof T.N Praveen Kumar, Associate Professor, has secured Patent on "A System and a Method for Automated Counting of Live Fishes with Internet of Things and Cloud bearing Patent No. : 527716, during the academic year 2024-25
- Dr Jagadeesh, Assistant Professor has been invited for the Engineering Fair held at Visvesvaraya Industrial & Technological Museum, Ministry of culture, Government of India Bengaluru, on Date: 19<sup>th</sup> March 2025 , as a Member for the Expert Committee (Judge) to evaluate the projects. This is a national level projects exhibition. Students from Engineering colleges, Diploma, ITI and NTTF have showcased their projects
- Dr. G L Anantha Krishna, Associate Professor has authored a textbook titled " Human Resource Management". ISBN: 978-93-6426-568-3. Textbook is published in December 2024.

# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



**Dr. Prashant A Athavale**  
**Assistant Professor & HoD**

The Department of Electrical & Electronics Engineering was started in the year 2003-04 with an approved intake of 60 students. Since the academic year 2021 – 22, BMSIT&M has become an Autonomous institute under VTU. The curriculum development for the BE Program has been done keeping in view the requirements of the Industry.

The department has a team of well qualified, experienced and dedicated faculty who also have undergone professional training from leading organizations in "Teaching-Learning Methodologies".

All the laboratories that were set up initially are constantly upgraded keeping in view both University requirements and Research activity in the department.

The students are encouraged to work on both in-house projects and with leading Research Organizations in Electrical Sciences. Every year the students and faculty members have been publishing technical papers in National & International Journals.

The placement through the campus placement is excellent. Apart from this many students have secured admission in prestigious Universities abroad. In the recent past, the students graduating from the Department are placed in reputed core Electrical Engineering companies and Information Technology companies. The Department is a VTU approved research centre. The EEE BE Program is reaccredited by NBA for three years 2022-2025. The pedagogy of the department is shifting towards Outcome Based Education. As part of this an Academic Council has been set up to take valuable suggestions and views on the activities happening in the department. The annual techno-cultural fest of the Department titled "Vidyut" is planned and organized by the students. The faculty members of the department, through the e-Studio facility have created online open access video lecture series for the critical courses accessible to all.

## Major Faculty Achievements :

Dr. Babu Naik G obtained his Ph.D. from EEE Department Research Centre of BMSIT&M, under Visvesvaraya Technological University, Belagavi, Karnataka on 1st March 2025.

### Vision:

To emerge as one of the finest Electrical & Electronics Engineering Departments facilitating the development of competent professionals, contributing to the betterment of society.

### Mission:

Create a motivating environment for learning Electrical Sciences through teaching, research, effective use of state of the art facilities and co-curricular activities.

### PSOs:

1. Analyse electrical power systems with regard to operation, control, and protection.
2. Analyse electrical machines, power electronic controllers for electric drives.
3. Design analog and digital electronic systems.

### Department Statistics at a glance:

- No. of students: 242
- No. of Faculty members: 14
- No. Professor / Associate Professor / Assistant Professor: 1/2/11
- No. of Doctorates: 8
- No. of Research Scholars: 6
- No. of Research Scholars completed PhD during 2024-25: 01
- No. of Expert talk organized: 04
- No. of Journal publications: 05
- No. of conferences paper presented: 10
- No. of club activities: 02

## Major Student Achievements :

- The team consisting of Mr. Dheeraj T and Ms. Madura G, 2024 graduated students of EEE department, won 1<sup>st</sup> place in Technical paper presentation and Project Exhibition for the project titled "NextGen Insulin Case", held at Gopalan College of Engineering on 12<sup>th</sup> and 13<sup>th</sup> June 2024.
- Kavya from EEE department secured Bronze Medal under 50 Kgs weight category in VTU State level Karate competition (M&W) on 26<sup>th</sup> September, 2024 at BIT Bengaluru.



- Ms. Shreya G S, Mr. Deepanshu Bhardwaj and Dr. Prashant Athavale presented a paper titled "Deep learning based environmental sound classification" in the 2<sup>nd</sup> IEEE International conference on Networks, Multimedia and Information Technology during 9<sup>th</sup> and 10<sup>th</sup> August 2024 organized in association with IEEE Bangalore at Nitte Meenakshi Institute of technology Bangalore and received the Best Paper Award during the conference.
- Mr. Aishwarya Jain and team of EEE department secured 3<sup>rd</sup> place in "Anveshana- Ideathon" the most prestigious competition organized by IIC, BMSIT&M held on 18<sup>th</sup> December 2024 for the idea, "AI-Driven Smart Wardrobe," which aims to simplify outfit selection using AI based on personal preferences, occasions, and external factors like weather.
- Mr. Samarth Srinivas EEE department participated in 40<sup>th</sup> Karnataka State Roller Skating Championship & Selection Trials 2024 held in December 2024 and won GOLD in INLINE Hockey.



# DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



**Dr. Mallikarjuna Gowda C P**  
**Associate Professor & HoD**

Department of Electronics and Telecommunication Engineering was established 2003. The department is accredited by NBA. The Department has bagged 27 VTU ranks with three Gold Medals to its credit. Department practices Outcome based Education and brings innovation in Teaching Learning Process, through a team of competent and committed faculty with all having Ph.D. Students and faculty members actively participate in Industry visit, Alumni talk, expert talk, and Industry Academia Meet. World Telecommunication Day and IETE foundation day are celebrated in association with IETE every year. The Department has a funded project from VTU. The Department has strong student support system in place to nurture and develop them with all round personality. Department has strong industry linkages with companies like Texas Instruments, Vagmin Research Labs LLP., INTEL INDIA, Techni lab Instruments and University of Sannio, Benevento, Italy for student and faculty exchange programs.

## Major Faculty Achievements :

- Dr. Saneesh Cleatus T , Associate Professor, Department of ECE and Dr.Thejaswini S. Assistant Professor, Department of ETE was granted research proposal from VGST under GRE scheme on 12<sup>th</sup> January 2024 and the title of the project is "Adaptive Motor Imaginary Based Brain Computer Interface" 40lakhs).
- Dr. Prathibha, Assistant Professor, ETE awarded PhD titled " Improving the performance of Under water communication using sensor localization, efficient channel model and QOS aware Routing" in 25<sup>th</sup> VTU Annual Convocation held on 8<sup>th</sup> February 2025 at Visvesvaraya Technological University "Jnana Sangama" Belagavi under the guidance of Dr. Mala C S.
- Dr. Natya.S (USN: 1BY16PEJ14) awarded PhD titled "An Integrated Approach For Classification of Remotely Sensed Images For Land Use And Land Cover Planning" in 25<sup>th</sup> Annual Convocation held on 8<sup>th</sup> February 2025 at Visvesvaraya Technological University "Jnana Sangama" Belagavi under the guidance of Dr. Seema Singh.

### Vision:

Emerge as a premier department developing high quality Electronics and Telecommunication Engineering professionals with ethics and eco friendliness for the betterment of the society.

### Mission:

Impart quality education in Electronics and Telecommunication Engineering by facilitating:

- Conducive learning environment and research activities
- Good communication skills, leadership qualities and ethics
- Strong Industry-Institute interaction

### PSOs:

Analyze and design communication systems.  
Analyze and implement signal processing applications.  
Design and implement embedded systems.

### Department Statistics at a glance:

- No. of students:183
- No. of Faculty members: 10
- No. Professor / Associate Professor / Assistant Professor:1/2/7
- No. of Doctorates:10
- No. of: Expert Talk-2
- No. of Journal publications: 10
- No. of conferences paper presented: 04
- No. of Funded Projects -01

- Mr. Venkatesh,(1BY21ET033), Mr. Narasimhamurthy (1BY21ET021) and Mr. Shumail (1BY21ET043) Students of 5th sem ETE won 1<sup>st</sup> prize in the competition for the Students project titled "DostBin-home based compost machine" in ISBR business school, "The next founder" under the guidance of Dr. Seema Singh on 10<sup>th</sup> February 2024.



- Ms.Swetha D (1BY20ET058) receiving award for securing the 2<sup>nd</sup> rank from VTU Vice Chancellor on 18<sup>th</sup> July 2024 at VTU Belagavi, 24<sup>th</sup> Annual Convocation.



- Dr. Seema Singh, Mr. Venkatesh R, Mr. Shumail Ali Khan, Mr. Narasimha Murthy D S Secured 3<sup>rd</sup> Runner Up price of Rs. 50,000/- at Federation of Karnataka Chambers of Commerce and Industry (FKCCI) 16<sup>th</sup> Edition Manthan Business plan competition on 18<sup>th</sup> September 2024 for the project "DOSTBIN-home based compost machine"



- BJUO Sagar B S, being awarded the Prestigious Deputy Director General's Commendation Award For his outstanding performances at Republic Day Camp (RDC) and All India Thal Sainik Camp (AITSC) played a crucial role in securing the Republic Day Banner for the \_Karnataka & Goa NCC Directorate.



- BICEP incubate showcased its innovative product, DostBin – an automatic compost machine, at the Carbon Zero Challenge (CZC) 4.0 Grand Expo at IIT Madras from 26<sup>th</sup> October 2024 to 28<sup>th</sup> October 2024.



- Department of Electronics and Communication and Electronics and Telecommunication jointly organized Phase 2 and Final round of Hackathon on 9<sup>th</sup> October 2024 at Auditorium 2, BMSCE. The First Runner up: Tharun Susri B S(ETE), Parjanya R Kandade (ETE)



- Dept. of ETE organized Industry Academia Meet-2024 on 7<sup>th</sup> December 2024 at Board room, Academic block inviting Industry leaders from various core electronics Industries to have brainstorming session for valuable inputs and guidance from them to start a new PG program in VLSI Design. The Event was coordinated by Dr. Raju Hajare, of ETE and supported by HoD-ETE guided by Principal, BMSIT&M.

# DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



**Dr. Surekha K B**  
**Professor & HoD**

The Department of Information Science and Engineering started in the Year 2010 with an approved intake of 60 and enhanced to 120 from the academic year 2018-19, 180 from the academic year 2019-20 and 240 in the year 2023-24. The Department has qualified and dedicated faculty members who practice OBE in the academic deliverables. The faculties have published research articles in various National, International, IEEE Conferences, and Journals which are indexed in SCOPUS, Web of Science, and other prestigious indexing research databases.

The department has modern laboratories to serve the teaching and research needs of the students as well as faculty members. The department has been proactively organizing conferences, workshops, expert lectures, and student-centric activities to encourage students and faculty to instil lifelong learning. Some of our students are working on consultancy projects along with faculty members.

The department of Information Science and Engineering was established in 2010 and currently running UG in ISE and PG in Cyber Security. The department has 40 faculty members and are pioneers in the leading areas of research work in Cyber Security, AI, Data Science, Computer Vision, Computer Networks and Database systems. Most of the faculty have high degree of merits in terms of award and publications in reputed journals and conferences.



**Dr. Narasimha Murthy M S**  
**Assoc. Professor & Associate Head(CS-4)**



**Dr. Rakesh N**  
**Assoc. Professor & Associate Head(CS-5)**

## Vision:

Emerge as a centre of learning in the field of Information Science & Engineering with technical competency to serve the society.

## Mission:

To provide an excellent learning environment through balanced curriculum, best teaching methods, innovation, mentoring and industry institute interaction.

## PSOs:

1. Apply the Knowledge of Information technology to develop software solutions.
2. Design and develop hardware systems, manage and monitor resources in the product life cycle.

## Department Statistics at a glance:

- No. of students: 643
- No. of Faculty members: 40
- No. Professor / Associate Professor / Assistant Professor: 5 + 8 + 27
- No. of Doctorates: 25
- No. of Research Scholars: 20
- No. of FDP & Workshop/Seminar/ Expert talk organised: 11/8
- No. of Journal publications: 30
- No. of conferences paper presented: 38
- No. faculty achievement: 8
- No. of club activities: 6
- No. of Consultancy/Funded Projects : 02

## Major Student Achievements :

- Mr. Om Bhargav(1BY21IS098) has secured All India Rank(AIR) - 452 with a GATE score of 647. Also, Om Bhargav has high chances of getting a PG seat in IISc., Bengaluru for his outstanding academic record.
- Mr. Chandu (1BY22IS043) and team has won 1<sup>st</sup> prize in Hackathon held in Pondicherry and got prize amount Rs.20,000/- under the mentorship of Mrs.Mahalakshmi .S
- Mr. Harshal SL (1BY23IS079) and Team of 3<sup>rd</sup> sem ISE students won 1<sup>st</sup> place in the Internal Hackathon EPOCH-24 organised by AIML Dept.
- Ms.Harshitha (1BY23IS082) of 3<sup>rd</sup> sem ISE students won 1<sup>st</sup> place in the Internal Hackathon EPOCH-24 organised by AIML Dept.
- Mr.Dhruva Kashyap (1BY20IS052)of Dept. of ISE is Pursuing M.Tech in IIT Khargpur in operational research and data analytics Specilization.
- Alumni Lokesh E and Jitendrayadeep of Dept. of ISE have established a startup named DeloAI Private Limited.
- Mr.Tej Pratap Singh (1BY21IS181) of Dept. of ISE have established a startup named Marine Edge Technologies.
- Mrs.Thanuja K has obtained Doctoral Degree from Visvesvaraya Technological University Belagavi under the guidance of Dr. Shoba M in July 2024.

## Major Faculty Achievements :

- Prof.Chethana C has obtained Doctoral Degree from Shri Jagdishprasad Jhabarmal Tibrewala University,Rajasthan under the guidance of Dr. Piyush Pareek Kumar in October 2024.
- Dr. Shoba M has obtained consultancy work on Corrosion Prediction in different units of O&G production centre using Deep Learning Methodology, sponcered by MEMOC, Kuwait.
- Dr. Bhuvaneshwari C M has obtained a grant of ₹2 lakhs for her project titled 'Green Mobility and Smart Infrastructure for Future Cities', which has been selected under the AICTE-VAANI (Vibrant Advocacy for Advancement and Nurturing of Indian Languages) scheme for the academic year 2025–26.

# DEPARTMENT OF CIVIL ENGINEERING



**Dr. Aruna G**  
**Associate Professor & HoD**

The Department of Civil Engineering at BMSIT&M is dedicated to delivering a high-quality education that blends academic knowledge with practical skills. With experienced faculty and advanced infrastructure, the department strives to nurture competent civil engineers who can address industry and societal needs. To provide holistic development, the department organizes a variety of co-curricular and extracurricular activities, empowering students and faculty to stay updated with evolving technologies and industry trends. We are proud to share that the Civil Engineering Department has been accredited by the NBA for a period of three years, highlighting our dedication to academic excellence. Furthermore, our Geotechnical, Concrete, and Highway Laboratories have received NABL accreditation, enhancing our research and testing capabilities. Through continuous efforts, the Department of Civil Engineering aims to create an environment that fosters innovation, leadership, and professional growth, contributing positively to both industry and society.

## Major Faculty Achievements :

- Dr. Rajesh Gopinath, Ms. Shimna M, and Ms. Archana K from the Civil Engineering Department received a ₹4.5 lakh grant from BIS in August 2024 for a project titled "Filter for Roof Top Rain Water Harvesting & Groundwater Recharge."
- Dr. Athiyamaan V (Assistant Professor, Civil Engineering), Mr. Pradeep C (Mechanical Engineering), and Mr. Murali K G (Sports Department) participated in the Dayananda Sagar Memorial Cup - Badminton Staff Tournament organized by Dayananda Sagar Academy of Technology and Management, Bangalore, on 12<sup>th</sup> and 13<sup>th</sup> August 2024. The team secured second runner-up among 20 participants from various colleges across Karnataka. Dr. Athiyamaan V was recognized as the Best Player in the Men's Under-40 Category.



## Vision:

To be an exemplary centre, disseminating quality education and developing technically competent Civil Engineers with professional integrity for the betterment of society.

## Mission:

- Impart technical proficiency through quality education.
- Motivate entrepreneurship through enhanced industry - interaction and skill based training.
- Inculcate human values through outreach activities.

## PSOs:

1. Identify & address the challenges in transportation, sanitation, waste management, and urban flooding in metropolitan cities.
2. Provide solutions related to civil Engineering built environment through a multidisciplinary approach.

## Department Statistics at a glance:

- No. of students: 212
- No. of Faculty members: 13
- No. Professor / Associate Professor / Assistant Professor: 01/02/10
- No. of Doctorates: 10
- No. of Research Scholars : 8
- No. of FDP & Workshop/Seminar/ Expert talk organized: 04/01/06
- No. of Journal publications: 7
- No. of conferences paper presented: 09
- No. of club activities: 02
- No. of Consultancy/Funded Projects - 29/06

- Dr. Athiyamaan V, Assistant Professor of the Civil Engineering Department, participated in the All India Badminton Tournament organized by St. Francis Sports Academy, Koramangala, Bangalore. He secured First Place in Men's Singles and was the Runner-up in the Men's Doubles event.
- Department of Civil Engineering is pleased to share that our faculty Dr. Rajesh Gopinath (Associate Professor, Department of Civil Engineering, BMS Institute of Technology and Management, Bengaluru) has presided as the Chief Guest on the eve of India's 76<sup>th</sup> anniversary of Republic Day (26<sup>th</sup> January 2025) celebration at Sai Shankar Vidyashala (managed by People's Trust), Rajanakunte, Bengaluru. The day also is earmarked as World Environmental Education Day. On this occasion, he was conferred with \*Green Teacher's Award\* by Green Circle (Environmental NGO), to commemorate his efforts to enhance Environmental Awareness by both formal and informal education.
- Dr. Rajesh Gopinath (Associate Professor, Department of Civil Engineering) has completed "AICTE QIP PG Certification Program at Indian Institute of Technology (IIT) Jammu on "Internet of Things" from July- December 2024.
- Mrs. Shimna Manoharan (Assistant Professor, Department of Civil Engineering) has completed "AICTE QIP PG Certification Program in "Machine Learning", from July- December 2024 at the Centre for Continuing Education, IISc, Sponsored by AICTE.
- Mrs. Archana K (Assistant Professor, Department of Civil Engineering) has completed "AICTE QIP PG Certification Program in "Machine Learning", from July- December 2024 at the Centre for Continuing Education, IISc, Sponsored by AICTE.



## Major Student Achievements :

- BJUO Prajwal V Dev ( 7<sup>th</sup> Sem - Civil Dept.) has achieved a momentous feat by being selected for the Prestigious Republic Day Camp (RDC 2025) in the Idea & Innovation Competition category. His journey is a beacon of creativity, resilience, and a relentless drive for excellence. Representing the Karnataka & Goa Directorate on the grand stage in New Delhi, Prajwal will showcase his groundbreaking project, MITRA-D (Dharatee)—a revolutionary bioplastic crafted from sugarcane bagasse. This innovative solution tackles India's pressing plastic waste crisis with eco-friendly ingenuity, paving the way for a greener, sustainable future.

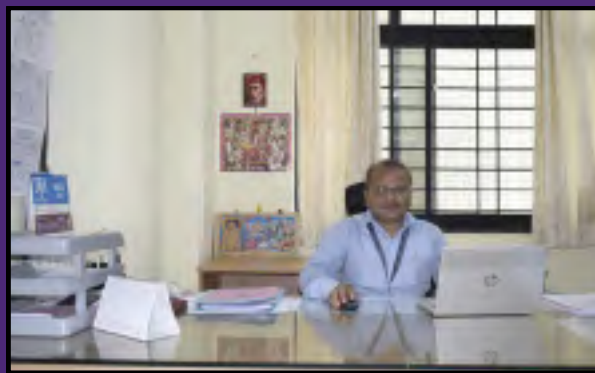


# DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING



**Dr. Anupama H S**  
**Professor & HoD**

A New Beginning! Artificial Intelligence and Machine Learning Department was formally inaugurated on 02-Aug-2019, in the esteemed presence of our beloved Chairman Sri. Madan Gopal, IAS. We started our exciting journey in the year of 2019, with a sanctioned student strength of 60 and the intake increased to 120 with effect from 2022-23 and now intake is increased to 360 from 2024-2025. We, in our department, offer a large number of optional courses for providing a wide spectrum of options to the students to pursue their interests. The primary focus of our curriculum is to impart technical know-how to students, promote their problem-solving skills and innovation of new technologies introducing new developments. Our department maintains active research groups for carrying out collaborative and interdisciplinary research. We have state of the art research facilities to support our academic programs and research. At present, the department faculty are guiding 10 Ph.D. scholars from industries and academics. It is heartening to find that our students look forward to contributing to solving the technological challenges of society with active participation, perseverance, and hard work. Skill & knowledge relevant to real-world problems is inculcated to produce dynamic, socially conscious, and sensitive human beings.



**Dr . Pradeep K R**  
**Associate Professor & Associate Head**

## Vision:

To develop professionals equipped to build sustainable and intelligent solutions that effectively interact with the natural intelligence towards creating a digitally empowered environment for future generations, safeguarding social ethics.

## Mission:

To enable students with the spirit and power of interdisciplinary acumen by integrating a world of knowledge into a world of intelligent systems and subsystems.

Boost academic outcome through place-based education and collaborations with established research labs and industries.

Encourage entrepreneurship efforts among students and develop them into great leaders.

## PSOs:

1. Apply the Knowledge of Information technology to develop software solutions.
2. Design and develop hardware systems, manage and monitor resources in the product life cycle.

## Department Statistics at a glance:

- No. of students: 820
- No. of Faculty members: 21
- No. Professor / Associate Professor / Assistant Professor: 02 /04/ 15
- No. of Doctorates: 9
- No. of FDP & Workshop/Seminar/ Expert talk organized: 03
- No. of Journal publications: 11
- No. of conference papers presented: 17
- No. of club activities: 03
- No. of Consultancy/Funded Projects: 02

## Major Faculty Achievements :

1. **Dr. Bharathi Malakreddy A**, Professor and Head of the R & C Cell, Department of AI&ML, received the "Best Researcher" Award on Engineer's Day from BMSIT&M on 20<sup>th</sup> September 2024.
2. **Dr. Niranjnamurthy M**, Associate Professor, Department of AI&ML, received the "Best Researcher" Award on Engineer's Day from BMSIT&M on 20<sup>th</sup> September 2024.

## Major Student Achievements :

- Vishal Prajwal M, Sumukha G K, Ganeshdarshan Venkatraman Bhat, students from the AI&ML department, achieved the 1<sup>st</sup> prize in the "48 Hours Hackathon" held at Atria Institute of Technology from 24<sup>th</sup> May 2024 to 26<sup>th</sup> May 2024.



- Mayank Gupta secured the 1<sup>st</sup> place in "NatShot - III", a photography competition jointly conducted by OIKOS (eco club) and Photography Club on the 22<sup>nd</sup> of May to commemorate World Biodiversity Day.



- Second place at the National Level project competition, Engenius 2024 held at Amrita Vishwa Vidyapeetham, Coimbatore. Team mates: Nishant akumar Jha Mayank Bajaj, Naman Chawla, Nitish Kumar, Mansi Gupta, Project Name: UddeshAI A career counselling and professional guidance portal for college students.



# DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS



**Dr. Vishwa Kiran S**  
**Associate Professor & HoD**

Computer Science and Business Systems Engineering is a multidisciplinary course that combines elements of computer science and business management. It is designed to equip students with a comprehensive understanding of both technical and business aspects, enabling them to bridge the gap between technology and business needs within an organization.

The Department of Computer Science and Business Systems aims to provide a strong foundation in core computer science and engineering principles while fostering business acumen and managerial insight. The program is designed to enable students to design and develop robust software applications, effectively manage and maintain complex software systems, and communicate seamlessly with business stakeholders. Additionally, the department emphasizes practical learning through internships and real-time project experiences to prepare students for industry-ready roles.

## Major Faculty Achievements :

- Prof. Pradeep Kumar G M, Assistant Professor, served as a resource person for a Value-Added Program on Machine Learning with Python from 19<sup>th</sup> - 21<sup>st</sup> September 2024 at Nagarjuna College of Engineering and Technology. This was part of a consultancy engagement with Aprameya Technologies Pvt. Ltd., Bengaluru.
- Dr. Vishwa Kiran S from the Dept. of CSBS has successfully completed a three-day EDP on Python Bootcamp for Kyndryl India Pvt. Ltd through Pytriot, held from 29<sup>th</sup> January to 31<sup>st</sup> January 2025.



## Department Statistics at a glance

- No. of students: 132
- No. of Faculty members: 4
- No. Professor / Associate Professor / Assistant Professor: 0:2:2
- No. of Doctorates:2
- No. of Research Scholars: 3
- No. of FDP & Workshop/Seminar/ Expert talk organized: 3
- No. of Journal publications: 2
- No. of conference papers presented: 5
- No. of club activities: NIL
- No. of Consultancy/Funded Projects - 4

- Prof. Udayaprasad P K, Assistant Professor, delivered an expert talk titled Publishing High-Impact Research Papers: Strategies and Insights on 9<sup>th</sup> December 2024 at Atria Institute of Technology, Bengaluru.



## Major Student Achievements :

- Saanvi S. Bhandiwad, Jeevetha A, and Likhitha K M ( 3<sup>rd</sup> Semester) secured 2<sup>nd</sup> position in the IDEATHON Cypher 2.0 organized by the Rotaract Club of Atria on 18<sup>th</sup> - 19<sup>th</sup> October 2024.
- Manisha T H, Saanvi S. Bhandiwad, and Jeevitha A ( 3<sup>rd</sup> Semester) won 1<sup>st</sup> Prize and a cash award of ₹50,000 at the Technovate for India Conclave hosted by the Times of India at New Horizon College of Engineering on 15<sup>th</sup> November 2024



- Ashmit Sharma and his team Code Geass from 4<sup>th</sup> Semester CSBS secured 1<sup>st</sup> place in the CodeSprint 3.0 hackathon organized by NMIT on 04<sup>th</sup> April 2025, winning a cash prize of ₹20,000 for their innovative project.
- The 4<sup>th</sup> Semester CSBS student team Busters achieved 1<sup>st</sup> position in the prestigious HackSphere Hackathon 2025 hosted by the ISE Department of BMSIT on 28<sup>th</sup> March 2025, demonstrating exceptional problem-solving and technical skills

- Rishika Gitta of 4<sup>th</sup> Semester CSBS has been awarded the prestigious NPTEL Domain Certificate in Data Science, completing 6 advanced courses with distinction. She was also honored as an NPTEL Super Star and Discipline Star in the Jan–Apr 2025 session for topping multiple national-level courses. Her outstanding academic record reflects excellence, consistency, and commitment to continuous learning.



- First Semester CSBS Students had Participated in Mini Ideathon and hackathon event Organized by the Dept. of AIML and CSBS on 6<sup>th</sup> – 7<sup>th</sup> October 2024 and Secured an 3<sup>rd</sup> Position in the event.



# DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS



**Dr. M Sridevi**  
**Assistant Professor & HoD**

The Department of Master of Computer Applications(MCA) was established in the year 2003 with an approved intake of 60 students. The MCA program is of 2-years duration w.e.f. the academic year 2020-21. The MCA program is Accredited by National Board of Accreditation, New Delhi. The Department has 12 qualified faculty members, 2 technical and 1 office staff.

The 2<sup>nd</sup> batch of autonomous scheme for MCA graduated in 2024. The graduation day for this batch was conducted ceremoniously. The student intake was increased to 120 w.e.f. 2023-24. The enthusiastic staff members at the department ensure that the students gain the right knowledge along with other life-skills, which help the students to acquire industry relevant expertise and face the world confidently with high self-esteem. Disciplined environment, congenial Teaching-Learning ambience, meticulous academic monitoring, individual proctoring, professional counselling etc. are the student-centric initiatives at BMSIT&M that connect with the students intrinsically.

The best practices at the Department viz., Project Based Learning, Partial Delivery of Courses by industry practitioners, Value Added Courses, Alumni Mentoring, Industry orientation, Skill Development Programs etc. augment a better Teaching-Learning environment and make the students industry-ready. Students are also oriented towards research and encouraged to publish/present research papers in journals/conferences. Our team is ever prepared to build the strongest and most resilient professionals whose career cannot be cannibalized by ever advancing technology and artificial intelligence.

## **Vision:**

To emerge as a leading department in computer applications, producing skilled professionals equipped to deliver sustainable solutions.

## **Mission:**

Facilitate effective learning environment through quality education, industry interaction with orientation towards research, critical thinking and entrepreneurial skills.

## **Department Statistics at a glance:**

- No. of students:207
- No. of Faculty members: 12
- No. of Professor :2
- No. of Associate Professor:2
- No. of Assistant Professor:8
- No. of Doctorates:6
- No. of Research Supervisors: 7
- No. of Research Scholars:23
- No. of FDP & Workshop/Seminar/ Expert talk organized: 7
- No. of Journal publications: 2
- No. of Conference paper presented:6
- No. of club activities: 3
- No. of student achievements : 5

## Major Faculty Achievements :

- Dr. Shivakumara T, Assistant Professor, Department of MCA was honoured at the Teachers' Felicitation Program during the Sparsh Guru Vandana ceremony on 27<sup>th</sup> October 2024 at Sparsh Hospital, Bengaluru, for his commitment to nurturing young minds.



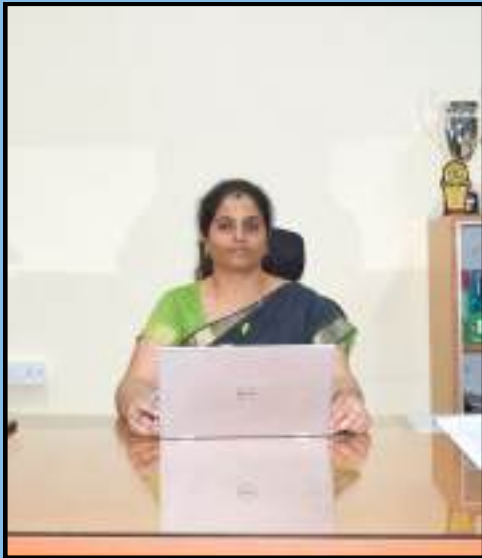
- Dr. M. Sridevi, Assistant Professor & Head, Department of MCA, has been conferred with Executive PG in Data Science during the graduation ceremony at IIIT-Bengaluru on 14<sup>th</sup> September 2024.

## Major Student Achievements :

- Hithesh B of II Semester MCA has secured 2<sup>nd</sup> place in the 'Codexplore' event at 'Instellation 2024' organised by the Department of MCA at Dayananda Sagar Academy of Technology and Management from 25<sup>th</sup> July 2024 to 27<sup>th</sup> July 2024.
- Mr. Anjan Kumar and Mr. Kaushik Rawal, I Semester MCA students and core committee members of the Design Thinking and Innovation Team, achieved II Place in the IT Quiz organized by the Department of MCA, Nitte Meenakshi Institute of Technology at the Tech Fest 'APRAMEYA' on 8<sup>th</sup> February 2025.
- Mr. Pannaga Y P, I Semester MCA student was awarded a scholarship under fee- waiver scheme for meritorious student for having secured best PG CET Rank of 219 during the inaugural function of the first-year PG programs (MBA, MCA, M.Tech) which was held on 11<sup>th</sup> January 2025, at the BS Narayan Auditorium, BMIT&M.



# DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION



**Dr. Jyothi E Singh**  
**Associate Professor and HoD(I/C)**

## Major Faculty Achievements :

- Dr. Divya H.N. filed a patent for an "Intelligent Inventory Management System for Retail Businesses" (Application No. 202441046925 A) in July 2024 with the Indian Patent Office.
- Dr. Jyothi E. Singh filed a patent for "IoT-Based Device for Finance Management in Banks" (Application No. 438661-001) in 27<sup>th</sup> November, 2024 with the Indian Patent Office.

### Vision:

To be a prominent management institute imparting value-based education and research to develop leaders and entrepreneurs contributing for the betterment of the society.

### Mission:

- Imparting management education that integrates theoretical foundations with practical applications through experiential learning.
- Developing the passion for innovation, entrepreneurship, and social responsibility.
- Fostering a culture of research excellence.

### PSOs:

1. Apply the conceptual and quantitative knowledge to analyse the financial behaviour and to make optimal decisions.
2. Demonstrate the critical thinking skills in key functional areas of Human Resource to create organizational leaders.
3. Develop the ability to apply marketing strategies in promoting products and services to the prospects in the competitive landscape.

### Department Statistics at a glance:

- No. of students: 197
- No. of Faculty members: 12
- No. Professor / Associate Professor / Assistant Professor: Nil / 3 / 9
- No. of Doctorates: 7
- No. of FDP & Workshop /Seminar/ Expert talk organized: 2/2/2
- No. of Journal publications: 8
- No. of conference paper presented: 9
- No. of club activities: 4

## Major Student Achievements :

- P. Louis Goodwin, MBA Second year student, has won first prize in the "Best Manager Event" organized as a part of National Level Management Fest, hosted by NMIT on 2<sup>nd</sup> May 2024.



- Sushmitha B , MBA Second year student has secured 1<sup>st</sup> place in the Intercollegiate North Division Table Tennis Tournament Bangalore on 1<sup>st</sup> July to 2<sup>nd</sup> July 2024 held at Nagarjuna College of Engineering and 2<sup>nd</sup> place at the State-Level table tennis tournament on 18<sup>th</sup> July to 20<sup>th</sup> July 2024. held at Vidyavardaka College, Mysuru.



- The first-year MBA students—Pragathi B, Lekha M, G Ruthika Shivani, Bandav B G, Pragathi Kurkuri, Anush, Prem V, and Tejaswini G—secured 2<sup>nd</sup> place in the Fashion Walk event at Vaibhava 2025, a Management Fest organized by M.S. Ramaiah Institute of Management on February 4<sup>th</sup> and 5<sup>th</sup> , 2025.



- The students of the Department of MBA participated in the Management Fest "Quest25," organized by BMS College of Engineering, on 14<sup>th</sup> February and 15<sup>th</sup> February 2025. Monika P & Vishwas N won first prize in HR event and Preethi B, Vishal S, R Sai Prerana, Yogesh won second prize in Best management team event.



- The students of the Department of MBA participated in the Fest "Euphoria'25" organized by Mount Carmel College, Autonomous, on 24<sup>th</sup> February and 25<sup>th</sup> February 2025. Jairaj, Mohan Raj, Keerthi, Manisha, Krishna Priya, Nagashree, Afreen, Yashswini. have won first place in the treasure hunt event. Sanath Kumar Shenoy, Vishwas Shenoy, Monika G have won first prize in HR event. Aditya I, Chinthan M & Chirag K won second prize in Finance Event.



# DEPARTMENT OF CHEMISTRY



**Dr. Ramakrishnappa T**  
**Professor & HoD**

Welcome to Department of Chemistry, Established in 2002, the Department of Chemistry embodies a fusion of education and research excellence. Our vision is to earn recognition as a premier R&D establishment, producing a prolific number of scholarly publications. With a dedicated team of nine dynamic faculty members and three diligent technical staff, we are committed to nurturing students throughout their academic journey. Our aim is to furnish students with both theoretical knowledge and hands-on experience in Chemistry, empowering them to address diverse societal challenges.

Having secured funding for four projects from SERB, two from DST, one from VGST, and one from VTU, our research spans a wide array of fields including battery fabrication, material synthesis, electrochemical analysis, polymer materials, corrosion studies, and organic synthesis. Additionally, our R&D centre provides facilities for electrochemical energy storage, battery and supercapacitor fabrication, and testing to external users at a nominal fee.

We consistently endeavour to achieve the vision, mission, and objectives of our department, fostering ongoing growth and progress.

## Major Faculty Achievements :

- Scientific Publications: International journals – 30. Faculty members have published their research work in highly reputed international.
- Presentation at International/National Conferences by the faculty members: 2 of the faculty members have attended and presented their research work at prestigious international conferences held in India.

---

### Vision:

To aspire, achieve and sustain for excellence in academics.

### Mission:

To nurture young minds and to bring awareness and flair for Chemistry by personal attention and good guidance.

### Department Statistics at a glance:

- No. of Faculty members: 12
- No. Professor:1, Associate Professor:2, Assistant Professor: 9
- No. of Doctorates: 11
- No. of Research Scholars: 7
- No. of Journal publications: 30
- No. of conference papers presented: 2

# DEPARTMENT OF MATHEMATICS



**Dr. Chethan A S**  
**Professor & HoD**

The Department of Mathematics was established in the year 2002. It has well qualified and experienced faculty. Currently, the department consists of 19 teaching faculty members with doctorate and one faculty pursuing Ph.D program. The Department conducts courses in Engineering Mathematics for I and II year BE students, Applied Mathematics for M.Tech in Computer Science & Engineering, and M.Tech in Cyber Security students. As a result of the team's sincere effort, the department has consistently obtained excellent results in the examinations. The Department is a recognized VTU research center for pursuing Ph.D. in Mathematics with four scholars having completed their Ph.D. and six are pursuing their Ph. D programme. The faculty members of the Department are actively involved in various research activities such as guiding research scholars, publishing research papers, executing funded projects, arranging and attending conferences, FDP and workshops.

## Major Faculty Achievements :

- Dr. Arnab Bhattacharyya & Dr. Sreelakshmi T K received a Seed Money Grant of Rs. 40,000 for the following research Title: "A Numerical and Statistical Approach to Investigate the Characteristics of Hybrid Nanofluid Flow Over a Stretched Surface" on 06<sup>th</sup> December 2024 from BMSIT&M.

---

### Vision:

To empower students to excel in engineering and research by imparting equitable mathematics education of the highest quality.

### Mission:

To impart quality education in mathematics through innovative methods, thus laying a strong foundation for the study of engineering subjects.

To enhance the students critical thinking, computational and problem-solving skills.

### Department Statistics at a glance:

- No. of Faculty members: 20
- No. Professor / Assistant Professor: 4/16
- No. of Doctorates: 19
- No. of Research Scholars: 06
- No. of FDP & Workshop/Seminar/ Expert talk organized: 05
- No. of Journal publications: 10
- No. of conferences paper presented: 05

# DEPARTMENT OF PHYSICS



**Dr. Dhananjaya N**  
**Professor & HoD**

The Department of Physics was established in the year 2002. It has well experienced teaching and technical staff. Currently, the department consists of 10 teaching faculty members with doctorate and two faculties have registered for their Ph.D program. The Department has been recognized by VTU as a Research Centre since 2014-15.

The Department caters to the needs of all the branches as it is a basic science department. The Engineering Physics Lab is well furnished with latest equipments and a computer based virtual lab. A lab for the purpose of research has been set up to enable faculty members to pursue experimental research in the field of nanotechnology.

The Centre for Advanced Materials Research (CAMR) lab is equipped with Confocal Raman Microscope, FT-IR Spectrometer, UV-Visible Spectrometer for material characterization along with basic synthesis facilities.

These facilities are open for characterization of samples from internal (BMSIT&M)/External institutions/Industry.

Faculty members of the department are actively involved in various research activities such as guiding research scholars, publishing research papers in peer reviewed journals, participating in national/ international conferences, executing funded projects, arranging FDPs, workshops, webinars and giving expert talks.

Our faculty members have received research grants from various agencies such as DST-SERB, VGST and successfully completed number of projects. At present 16 scholars are registered for their Ph.D. programme under VTU and 3 research scholars have completed their doctoral degree from our research centre.

Dr. Harish Sharma Akkera, Assistant professor, received grants from DST, SERB of Rs. 30 lakhs for his proposal on "Flexible Ga<sub>2</sub>O<sub>3</sub> solar-blind UV photodetectors for wearable and smart skin device applications".

Dr. Chandra Shaker Pathak received Seed Money Grant 2024-25 from BMSIT&M for carrying out research work on "Nanohybrid of Conjugated Polymer and Perovskite for Solar Cell Applications".

## Vision:

To impart sound fundamentals and concepts in Physics which helps students to nurture scientific temperament and creativity in the field of engineering.

## Mission:

To provide sound knowledge in applied Physics through innovative techniques and scientific methodology. To motivate students to pursue scientific analysis and develop problem solving ability in the field of engineering.

## Department Statistics at a glance:

- No. of students: 924
- No. of Faculty members: 12
- No. Professor-1 / Associate Professor-4 / Assistant Professor-7
- No. of Doctorates: 10
- No. of Research Scholars: 16
- No. of FDP & Workshop/Seminar/ Expert talk organized: 2
- No. of Journal publications: 30
- No. of conference papers presented: 5
- No. of Consultancy/Funded Projects: 3

## Major Faculty Achievements :

- Dr. C. Kavitha was invited to attend Bangalore Tech Summit 2024 on 19<sup>th</sup> - 21<sup>st</sup> Nov 2024. Also presented a research paper on super capacitor at prestigious Bangalore India Nano conference on 1<sup>st</sup> - 3<sup>rd</sup> August 2024.



## Major Student Achievements :

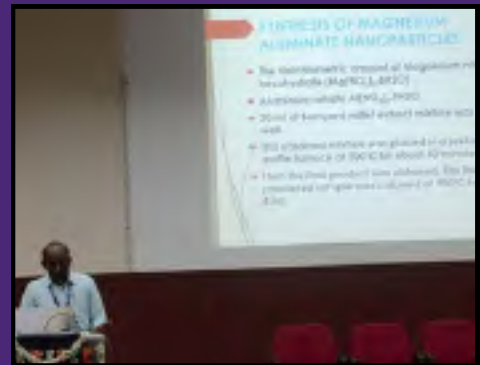
- Research scholar, Mrs. Awati Prema Mahadev received "Best Oral Presentation Award at EMES 2025 International conference held at VIT Chennai on Feb 6<sup>th</sup> - 8<sup>th</sup> 2025.



- Dr. Daruka Prasad B presented a one day seminar at Dayanand Sagar Academy of Technology and Management on 3<sup>rd</sup> January 2025. Also gave an invited talk in a workshop at ATME College of Engineering in Mysuru on the topic, "Structural Characterization using XRD, SEM, TEM, SAED and XANES on 16<sup>th</sup> January 2025.



- Research scholar, Mr. Jagadeesh S S presented a paper titled "Transport properties of nano magnesium aluminate synthesized with millet extract as a fuel" at ICARES 2025 held at Ramaiah Institute of Technology on 20<sup>th</sup> - 21<sup>st</sup> February 2025.



- Dr. Sandra Dias presented a paper titled "Cu<sub>2</sub>SnS<sub>3</sub>/ZnS Core Shell Quantum Dots for White Light Emitting Diode Applications" at ICARES 2025 held at Ramaiah Institute of Technology on 20<sup>th</sup> - 21<sup>st</sup> February 2025.



# DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES



**Dr. Tejaswini B J**  
**Assistant Professor & HoD**

The Department of Humanities and Social Sciences (HSS) was established in October 2021 and is headed by Prof. Tejaswini B J, Assistant Professor. The department comprises English faculty - Dr. Kavita B Harihar, Prof. Chaithanya K R and Kannada visiting faculty - Prof. Shivakumar H K and Prof. Krishnappa S. The department handles language courses like Communicative English, Professional Writing Skills in English, Samskruthika Kannada, Balake Kannada and mandatory courses like Indian Constitution, Intellectual Property Rights and Cyber Law, Universal Human Values, Sports, NCC, Music, Yoga, NSS and Indian Knowledge System.

**Introduction of English Lab-** With an objective to enhance the English proficiency of the UG and PG students, the department has introduced English Lab in the first and second semesters from the academic year 2024-2025. The course is provided through QuiklRn- Adaptive Learning English Lab with integrated learning service for a personalized learning experience. This course is thoughtfully designed to improve English language communication skills comprehensively.

It covers every essential aspect, including grammar, effective speaking, active listening, reading comprehension, and writing. By focusing on these core areas, the course aims to build a strong foundation for overall proficiency in English.

**Online Assessments-** One credit courses like Indian Constitution, Scientific Foundation and Health, Samskruthika and Balake Kannada, Environmental studies, Universal Human Values are assessed online through the QuiklRn assessment platform. Online tests are password protected and timed. The Randomize feature helps to set up a unique question set for each student.

Apart from the above academic activities, Clue Quest, a two-day immersive and intellectually stimulating event designed to challenge participants, problem-solving, analytical thinking, and deduction skills was held on 12<sup>th</sup> and 13<sup>th</sup> November 2024 under the Reader's Club which is managed by the department. The event revolved around solving riddles, logical puzzles, and murder mysteries, creating a thrilling experience where participants played the role of detectives unraveling complex cases. This fostered teamwork, communication, and strategic planning with its creative design and thrilling execution Clue Quest was divided into two rounds—an online round on Day 1, and a high-stakes, immersive escape room challenge on Day 2.

Around 100 students from all the branches participated in this event. Anmol Narayan, Ayush Kumar and Prateek Kumar, of first semester CSE won the first prize and Raashi A, Samiksha M S, Mrudula S of first semester CSE won the second prize.



As part of the NSS mandatory course, opted by students in their second and third year, events like a visit to GKVK wherein the professors of GKVK educated our students on Organic farming, a talk on Organic farming, and watering the trees in Avalahalli during summer and cleaning of Avalahalli lake was conducted in association with Green Circle, an active NGO based in Avalahalli.

Indian Constitution day was celebrated on 26<sup>th</sup> November 2024 in BMSIT&M, wherein Dr. Manoj M, NSS coordinator, Prof. Tejaswini B J, Head, HSS Dept and Prof. Uday, Asst. Prof, Dept of AIML briefed the 3<sup>rd</sup> semester students of AIML and CSBS about the significance of Constitution Day. The students took a pledge by reading the preamble of the Constitution, emphasizing the significance of justice, democracy and equality.



**Activity-Based Personality Development Program**—Around 66 students from the Institute attended the Activity-based Personalised Program on 24<sup>th</sup> August 2024 organised by Disha Bharat, an NGO working towards value education in Chikkajala, Bangalore. Dr. Jai Arul Jose and Prof. Malini from the CSE dept. accompanied the students which was coordinated by the department.

India Inspires State level Online Quiz competition—Nine students across the college were shortlisted for the semifinals of the India Inspires State Level Quiz Competition out of 22,104 participants across the state organized by Disha Bharath and attended the Students Conclave on 16<sup>th</sup> November 2024 in Dayananda Sagar College of Dental Sciences, Bangalore.





# Cells, Sections and Units

Beyond academics, our college thrives through its dynamic cells, dedicated sections, and functional units that drive co-curricular excellence and student empowerment. This segment presents the initiatives, events, and achievements of various bodies that work tirelessly to enhance campus life—from innovation and outreach to training, inclusivity, and well-being. Together, they form the support system that nurtures talent, leadership, and a sense of community.

# TRAINING AND PLACEMENT SECTION



**Dr. Manjunath T N**  
Dean (Career Guidance)

Placement Section at BMSIT&M was established in the year 2004, to initiate industry institute interaction activities with an initial aim to provide placement opportunities to the students. Though we had a humble beginning, with the support from the BMS Educational Trust and strong alumni network, we have achieved considerable breakthroughs in providing ample of opportunities to our students over the years. Today, our alumni are present in over 300 organizations across the globe. At the placement section, we are constantly discovering ways to make our students increasingly employable by providing internships, inviting startups for recruitment, and facilitating alumni interactions on industry standards and expectations.

The Placement and Training Section is ably supported by Prof. Ambika R. Subhash, Dr. Raghunandan G H Dr. Chandrashekarappa Agasnalli, Dr. Keerthi Kumar N, Ms. Ashwini S, Mr. Chikkanna K P, and Mr. Narendra Kumar K C in addition to the core team of staff and student placement coordinators.

**Top recruiters like Amazon, Amagi, Phonepe, Lowes, Datainsights, Money View, Newfold Digital, Anz, Carl Zeiss, Blackhawk, Microsoft, Polaris, Galaxe Solutions, Goldman Sachs, Walmart, Simens Healthineers, Drydocks, Kpit, Volo, Reliance India, BI Kashyap, Toyota, Shoba Developers, Burns & Mc Donell, Alstom, Act Fibernet, Tcs, Infosys, British Telecom, Acko Regularly visit campus.**



**Prof. Ambika Rani Subhash**  
Training and Placement Officer

**STUDENTS' TRAINING:** Placement training on Aptitude and Soft Skills is imparted to all the pre-final year UG & PG students from time to time, to enhance their learning and prepare them better for their upcoming placement season from August 2025. Employability assessment tests were conducted for these students by HackerEarth and Career Readiness Training was provided to assess their readiness of the students and make them more industry ready.

Our students and faculty members keep pace with industry trends through various industry visit programs. A glimpse of events for the academic year 2023–24 is as follows:

Student Placement Coordinators(SPCO) participated in SAP Customer Support Summit on 26<sup>th</sup> July 2024.



## SOME OF THE PLACED STUDENT'S PHOTOS



## HIGHLIGHTS 2025 BATCH



## LAST 5 YEARS PLACEMENT STATISTICS

Batch	No. of Companies Visited	No. of Offers
2021	132	724
2022	312	1100
2023	281	1126
2024	210	1049
2025 * (As on 25.02.2025)	150	713

# HIGHER EDUCATION FACILITATION CENTER (HEFC)



**Prof. Shama H M**  
**HEFC Coordinator**

HEFC was established in October 2018 to provide trustworthy, reliable and authentic information, resources and advice to prospective students.

Several initiatives related to higher education, collaboration, and competitive tests are conducted at BMS Institute of Technology and Management (BMSIT&M) in collaboration with various organizations. HEFC In-Charge Prof. Shama H M organized and led multiple activities with Dean Career Guidance - Dr. Manjunath T N during the academic year 2024-2025.

## **Visit of Durham University to BMSIT&M**

HEFC organized an information session on Durham University's master programs and job opportunities in the UK. The event was held on 6<sup>th</sup> December 2024.

Dr. Helen Thompson-Executive Dean educated students about the master's programs offered at Durham University. The country adviser for Durham University, Ms. Iqra Khan also addressed the gathering and educated about the process of applying to the university.



## **IDP session on ETS exam**

IDP and ETS are English language proficiency tests providers. Awareness among students for this test was conducted on 6<sup>th</sup> December 2024. The session helped candidates feel more prepared and motivated for the ETS exam.



## **Session on "How to pick the right university":**

Prof. Shama H M delivered a session on "How to pick the right university". Students were made aware about factors to be considered for higher education. The session was followed by a visit to the Global Education Fair at Taj Westend. Students gained awareness about available universities and admission procedures through one-on-one interaction.



## **Arizona State University visits BMSIT&M :**

On 20<sup>th</sup> September 2024, Samuel Ariaratnam, Professor from Arizona State University visited BMSIT&M. He conducted a guest lecture for engineering students and a faculty meeting. The Del E. Webb School of Construction, and Timothy Becker team held a meeting with the Civil Department faculty and the Principal of BMSIT&M to discuss potential collaborations, including student exchange programs, internships, and faculty partnerships.



### **Session on "Study and Employment in Germany"**

A Session on "Study in Germany" was conducted on 30<sup>th</sup> September 2024. The Guest speaker Mr. Siddharth Asok Kumar from TU Munich addressed the session giving minute details about the education system in Germany.



### **Session on Select your university -**

Conducted an information session on "Select your university, determine the required tests, and prepare the necessary documents" on 12<sup>th</sup> July 2024 by Prof. Shama H M. She explained the process involved in selection criteria and building the profile to be eligible for the universities. This workshop was organized in a blended mode which was followed by Q&A session with BMSTian Mr. Vinay Jalihal from Northeastern University.



### **Session on Crafting LORs, SOP, and Resumes -**

One of the crucial aspects of the application process to universities abroad is the preparation of Letters of Recommendation (LORs), Statements of Purpose (SOPs), and Resumes. It is also essential to understand what universities are looking for in prospective students. This session held on July 19<sup>th</sup> 2024, addressed these topics.



### **An open house discussion with the alumni -**

An Open house discussion with Mr. Gaurav Sethia, MS in Robotics, Carnegie Mellon University was conducted on 30<sup>th</sup> July 2024 . Mr. Gaurav shared his experience on selecting universities, GRE, TOEFL, SOP, LoRs and the Visa application process.



### **SI-UK university fair on 2<sup>nd</sup> June 2024 -**

SI-UK Education Fair is an exclusive event designed to connect aspiring students with top universities from all the countries of the United Kingdom i.e., England, Scotland, Wales and Northern Ireland. This fair provided a unique opportunity for students, parents, and educators to meet representatives from various UK universities, explore academic programs, and learn about the benefits of studying in the UK. A group of 38 students from BMSIT&M, accompanied by their adviser, Prof. Shama H M , attended the event to explore opportunities for studying in the UK.



# BICEP - BMS INNOVATION CENTRE AND ENTREPRENEURSHIP PARK



**Dr. Seema Singh**

## **Dean (Innovation & Entrepreneurship)**

BBMSIT&M established the BICEP -to foster innovation-driven enterprises among students and faculty. Recognized by the Ministry of MSME, Govt. of India, as a Host Institute for Business Incubator (BI), BICEP enables firsthand entrepreneurial experience, promotes innovation, and offers comprehensive support including workspace, mentoring, training programs, networking, and more. It is also facilitated with Aarohan hardware innovation laboratory with various tools and facilities for prototyping.

## **ACTIVITIES AT INSTITUTIONAL LEVEL**

### **1. Code Red '25 Hour National Level Hackathon:**

CODE RED organized by BICEP - E-cell was held on 9<sup>th</sup> and 10<sup>th</sup> January 2025 at BMSIT&M. 50 teams from across India competed in real-world challenges. The event featured chief guests Shri K Joshil Raj (CEO, Centre of Excellence in Design, IISc) and Shri Biinson B S (Talent Acquisition Head, Hughes Systique Corporation). Industry experts like Nagendra Daivajna (Infosys) and Kushal Lokesh (NFTing) judged the prototypes after intense 25-hour coding sessions. This event was coordinated by Prof. Archana K , Dept. of Civil Engineering and Prof. Mahalakshmi S Dept. of ISE.



- 1<sup>st</sup> Prize – Rs 35,000 Dr. Ambedkar Institute of Technology
- 2<sup>nd</sup> Prize- Rs 25,000 JSS Science and Technology University
- 3<sup>rd</sup> Prize- Rs 15,000 PES University
- 1<sup>st</sup> Constellation prize – Rs 5,000 RVCE
- 2<sup>nd</sup> Constellation prize – Rs 5,000 NIT Surathkal.

## **2. ANVESHANA 2025 – National Level Prototype Competition**

Anveshana 2025, organized by BICEP and the Institution's Innovation Council, was held on 28<sup>th</sup> March 2025 as a national- level prototype competition with 50+ teams from across India. The event featured three rounds: proposal screening, virtual evaluation, and final prototype demonstration. Chief Guest, Mr. Sreedhara Narayanaswamy (Oracle), Guest of Honor, Mr. Rajesh Bansal (Epicor) along with panel of 6 esteemed judges from industry, academia and research institution evaluated the competent teams from various IITs, NITs, IIITs and other reputed institutions. The finale included live prototype stalls, club exhibitions, and cultural performances. This event was coordinated by Prof.Shama H M, Dept. of CSE.

### **Winners**

- 1st Prize (Rs.1Lakh):MotorHeads(BMSIT&M) & Picapool,IIT Hyderabad
- 2nd Prize (Rs.50K) :The Vedas(Indira College of Engineering & Mgmt.)
- 3rd Prize (Rs. 25K): Force Garuda (NIE Mysore)
- Consolation Prizes : 10 awards worth (Rs. 50K) for creativity and impact



## **3. IIC 7.0 Annual Meeting**

IIC 7.0 (2024-25) annual meeting held on 4<sup>th</sup> December 2024 focused on reviewing IIC 6.0 activities and outcomes and plan of action for upcoming year for Innovation, Incubation and Entrepreneurship cell. Experts, faculty coordinators, and panelists from academia and industry discussed strategies to enhance the institution's innovation ecosystem.



#### 4. Anveshana Ideathon Pitch to win:

Pitch2Win, organized by BICEP – IIC on 18<sup>th</sup> December 2024, provided a dynamic platform for students to pitch innovative ideas before industry experts, investors, and mentors. With a prize pool of ₹25,000, the event emphasized creativity, scalability, and problem-solving, challenging participants to transform their ideas into viable business models. Esteemed judges, including Kriti Kapavari (Co-Create), Gururaj Badiger, Astle John, and Krishan Kumar Agrawal (ComedKares), offered valuable insights into entrepreneurship and innovation. The competition featured multiple rounds of intense pitching, where students showcased their ventures' uniqueness and growth potential. Winners were selected across four categories: Innovation, Impact & Usefulness, Sustainability, and Future Scope, along with two consolation prizes. The event concluded with heartfelt gratitude to the management, speakers, and audience, successfully empowering students with entrepreneurial skills and real-world exposure to the startup ecosystem. This event was coordinated by Prof. Shama H M, Dept. of CSE



#### 6. Start Up Premier league 2.0

BICEP – E Cell hosted SPL 2.0 on 14<sup>th</sup> May 2024, creatively blending startup and IPL concepts to enhance financial and decision-making skills. The event featured team convocation, new core team installation, and three competitive rounds, judged by industry experts Mr. Guruprasad S N (IBM) and Dr. Balu (MBA Dept.).



#### 7. Summer of Projects:

IEEE, in association with BICEP Aarohan lab conducted 2 months long engagement of hardware projects during May June 2024. Phase 1 focused on Robotics, ML, and IoT, with hands-on training under IEEE mentors. In Phase 2, Robo Soccer on 29<sup>th</sup> June 2024 showcased student creativity, awarding prizes to top teams. Aarohan Lab provided workspace and resources for innovative projects.



#### 5. BICEP Aarohan - Aero club workshop

The two-day "Drone Building" workshop, organized by the Aero Club and BICEP on 25<sup>th</sup> to 28<sup>th</sup> October 2025 at Aarohan Hardware Innovation Lab, offered students hands-on experience in drone assembly, programming, and flight operations. Day 1 focused on theoretical aspects, while Day 2 emphasized practical assembly and flight testing, with 26 shortlisted participants from various engineering departments. The workshop successfully equipped students with essential drone technology skills, receiving positive feedback for its engaging and practical approach.



#### 8. BICEP Aarohan - E yantra "Trace the Path" Workshop

The "Trace the Path" workshop, organized by the E-Yantra Club in collaboration with BICEP on 19<sup>th</sup> - 20<sup>th</sup> October 2024 at Aarohan Hardware Innovation Lab, introduced 80 first-year students to robotics using the ESP32 microcontroller. Participants built and programmed line-following and object-detection robots, strengthening their skills in circuit design, electronics, and programming. The hands-on session fostered teamwork and problem-solving, concluding with a testing phase and Q&A session on real-world applications. The workshop successfully provided students with foundational knowledge in robotics, automation, and IoT.



### 9. BNI Business Conclave

The Business Conclave, organized by BICEP E-Cell in collaboration with BNI, was held on 4<sup>th</sup> December 2024 at BSN Auditorium. The event brought together entrepreneurs to discuss networking, business growth, and entrepreneurship.

Key speakers, including Ram Samtani (BNI Bangalore) and other industry professionals, shared insights on leveraging BNI's "Givers Gain" philosophy for success. Students actively participated in discussions on startups and were invited to BNI's weekly meetings for deeper exposure to business networking.



### AWARDS:

Elevate Winners 2023-2024 Felicitation Ceremony:

Dr. Seema Singh (Dostbin Solutions Pvt. Ltd.) and Prof. Archana K (Naari Pads Innovation Pvt. Ltd.) were felicitated at the Elevate 2023-24 ceremony on 24th July 2024 for securing Rs. 23 lakh and Rs. 18 lakhs in funding, respectively. The event, organized by Startup Karnataka, recognized 263 startups with a total Grant-in-Aid of Rs. 60 Crore.



### STUDENTS AWARD.

S.N	Event name	Prize Money Won	Supported BY BICEP
1	Sristi Innovation Challenge (15 Teams participated)	Rs. 48000/- prize money for 5 teams and Rs. 50000/- seed fund for 1 team	Rs. 16,900/- supported for registration for 15 teams
2	Hack day Pandy (1 Team)	3rd Place and a cash award Rs. 25000/-	Rs. 14942/- Travel and Components for participation
3	9th National Techno-Exhibition - Ambedkar Institute of Technology (1 Team)	First Place cash award Rs. 25,000	Supported for prototype Rs. 1,00,000/- in faculty driven project
4	Dronacharya 2.0 – Drone Building Hackathon (1 Team)	1st place and a cash award of Rs. 8,000	6500/- for travel and components for participation
5	· Manthan Business Plan Competition (1 Team) · IIT Madras CZC 4.0 seed fund to 25 eco innovations	· 3rd Place and a cash award of Rs. 50,000/- · Seed fund for Prototyping of Rs 5 Lakhs.	Seed fund of Rs. 2,45,000/-

## ACHIEVEMENTS:

### Industry Outlook certificate and article:

Dostbin Solutions Private Limited has been recognized as one of the top 10 waste management startups for 2024, by the Industry Outlook magazine. Industry outlook interviewed Dr. Seema Singh, Founder, Dostbin solutions and published in their special issue on Top 10 Waste management startups 2024. It was released in August, in online media and hard copy circulation.



### Bengaluru Tech Summit (BTS) 2024 Product Launch:

BICEP incubate Dostbin Solutions officially launched their product at BTS 2024 by IT BT Minister Shri Priyank M Kharge on 21<sup>st</sup> Nov 2024. Following this, DOSTBin solutions were selected Karnataka Acceleration network (KAN) for further support.



**NASSCOM Technology and Leadership Forum (NTLF) 2025 at Mumbai:** Dostbin Solutions was sponsored by NASSCOM to showcase its innovative home composting and waste management solutions at NTLF 2025 in Grand Hyatt, Mumbai on 24<sup>th</sup> Feb 2025. Maharashtra Chief Minister Shri Devendra Fadnavis personally acknowledged their contribution to sustainability.



# INTELLECTUAL PROPERTY CELL



**Prof. Praveen Kumar T N**  
**Chief Coordinator, IP Cell**

## The objectives of the IP Cell:

- To create awareness on intellectual property among the faculty and students.
- To encourage and support staff, students to develop patentable technologies.
- To promote and nurture invention and creativity.
- Filing for Patents, Registration for Copy rights, Industrial Design.

## Patent Application Filed Details

**Total No. of Patent Filed : 62**

**No. of Patent Granted : 09**

## GRANTED PATENT DETAILS

1) Title: An Automated Waste Segregation System Using Artificial Neural Network Application number: 201841025096, Patent No.: 551232 Grant

Date: 27<sup>th</sup> September 2024

Inventors: Dr. Seema Singh, Professor, Prof. Mamatha K R, Assistant Professor, Anusha N(1BY13EC010), Kritika Raj D(1BY13EC038), Shalini Ragothaman(1BY13EC070), Susmi Zacharia(1BY13EC082), Department of ECE

2) Title: A System and Method for Detecting Fault in Railway Track. Application Number: 202141000383, Date of Grant: 8<sup>th</sup> April 2024, Patent No.: 532189

Inventors: Prof. Vinutha K, Assistant Professor, Jayanth G(1BY15IS025) Nikhil S (1BY15IS036), Pathan Aseef Khan (1BY15IS036), Department of ISE

3) Title: A System and a Method for Automated Counting of Live Fishes with Internet of Things and Cloud Application number: 201941030099, Patent No.: 527716, Date of Grant: 15<sup>th</sup> March 2024.

Inventors: Dr. Bharathi Malakreddy A, Professor, Mr. Harinatha H N, Technical Staff, Dept. of AI&ML, Praveen Kumar T N, Associate Professor, Dept. of ME, Aman Kumar (1BY14CS008)

## PATENT APPLICATION FILED AND PUBLISHED

1) Title: A System and Method for Robotic Arm Manipulator for Individuals with Physical Disabilities, Application Number: 202441103171, Publication date: 10<sup>th</sup> January 2025

Inventor: Ambika G.N, Assistant Professor, Dept. of CSE, Dr. Anil G.N, Professor, Department of CSE, Shashank S.N(1BY19CS162), Sakham Bejwani (1BY19CS132), Naitik Goyal (1BY20CS089), Sai Harshit B(1BY20CS162)

2) Title: Method and System for Fall Detection and Muscle Activation for Human Stabilization, Application Number: 202441102184, Publication date: 10<sup>th</sup> January 2025.

Inventor: Dr. Rajesh I S, Nidhi Umashankar(1BY21AI036), Vaibhav M K, (1BY21AI058), Anmol A(1BY21AI006), Department of AI&ML.

3) Title: AR- based Object recognition system for assisting visually impaired individuals. Application Number: 2024-410-85355, Publication date: 15<sup>th</sup> November 2024.

Inventor: Dr. Gireesh Babu, Department of ISE and Team.

4) Title of the Invention: System and Method for Wireless Patient Health Monitoring Application Number: 202441068443, Publication date: 20<sup>th</sup> September 2024

Inventor: Mamatha K R, Thejaswini S, Rashmi N, Department of ECE.

5) Title: System and Method for Emotion Recognition of Infant Application Number: 202441069217, Publication date: 20<sup>th</sup> September 2024.

Inventor: Prof. Thejaswini S, prof. Mamatha K R, Prof. Rashmi N, Department of ECE and Team

6) Title : Internet of things based secured access system using RFID and Blynk Application Number: 202441069216, Publication date: 20<sup>th</sup> September 2024.

Inventor: Prof. Thejaswini S, Prof. Mamatha K R, Prof. Rashmi N, Department of ECE.

## ACHIEVEMENTS:

Mr. Praveen Kumar T N, Associate Professor, Department of Mechanical Engineering and Chief Co-ordinator, IP Cell, qualified Patent Agent Examination conducted by Government of India, Ministry of Commerce & Industry, Office of The Controller General Patents, Designs & Trade Marks and registered as Patent Agent with agent No.:IN/PA 5789

## IP AWARENESS PROGRAMME ORGANIZED BY IP CELL

- 1) IP Cell organized an Invited Talk for First semester ISE students on "Design Thinking & Intellectual Property: Protecting Innovation" by Ms. Mithila Holla, MS, MBA, CEO and IP Consultant, Holla Associates & Former Vice President, - Product and Innovation Trinity Mobility, Bengaluru on 22<sup>nd</sup> April 2024.
- 2) IP Cell organized an Invited Talk for second semester MBA students on "Industrial Applications and Importance of Trade Marks in Business" by Mr. Kodandarama, Assistant Director (Retd.), IRS & Advocate, Bengaluru Bengaluru on 19<sup>th</sup> July 2024.

## AWARENESS PROGRAMME AT OTHER INSTITUTES BY BMSIT IP CELL

- 1) Resource person (Key Expert) in the Brainstorming Session on The IPR Training Programs held on 10<sup>th</sup> March 2025 at Indian Institute of Science(IISc.), Bengaluru organized by the Karnataka State Council for Science and Technology (KSCST) and the Department of Collegiate and Technical Education (DCTE), Govt. of Karnataka in association with IPTel, Indian Institute of Science (IISc) and Bengaluru Science and Technology (BeST) Cluster.
- 2) Delivered talk on 'Intellectual Property Rights and Importance' for Faculty Members on 6<sup>th</sup> April 2025 at Cambridge Institute of Technology – North Campus, Devanahalli, Bengaluru -562110
- 3) Resource person for Faculty Development Program organized by Department of ISE and Dept. of CSE in association with IPR Cell, Atria Institute of Technology, Hebbal, Bengaluru, Karnataka 560024, on the topic 'From Ideas to Assets: Mastering Intellectual Property Rights on 14<sup>th</sup> September 2024.
- 4) Resource person for IPR Awareness Program for MBA, M.Sc. and MCA faculty at Acharya Institute of Graduate Studies, Soladevanahalli , Bengaluru-560107 , held on 14<sup>th</sup> September 2025.
- 5) Resource person for 'A Session on Intellectual Property Rights-CRI' organized by Department of Computer Science, Claret College, Jalahalli, Bengaluru-560013 on 25<sup>th</sup> November 2025.
- 6) Resource person for In-house FDP on Research Methodology and Intellectual Property on 'Patent rights and Commercialization and Transfer of Technology' from 9<sup>th</sup> to 11<sup>th</sup> September 2025 organized by Internal Quality Assurance Cell on 10<sup>th</sup> September 2024 at Siddaganga Institute of Technology, Tumakuru - 572 103
- 7) Resource person for Three Days Faculty Development Program on "Bridging Academia and Innovation: Research Proposals and Patent Processes" from 29<sup>th</sup> to 31<sup>st</sup> January 2025 with title 'Patent Search and Drafting Techniques' organized' by Department of Civil Engineering, SJC Institute of Technology, Chickballapur- 562101, Karnataka. on 31<sup>st</sup> January 2025 .
- 8) Delivered a guest talk on 'Intellectual Property Rights and its Importance in Pharmacy' on 27<sup>th</sup> April 2024 at KLE College of Pharmacy, Rajajinagar, Bengaluru-560010

# DEPARTMENT OF LIBRARY & INFORMATION CENTRE



**Mrs. Anitha K S**  
**I/c Librarian**

BMSIT&M Library was started in the year 2002-03, with a modest collection of 1500 books, in a small classroom. From day one, the library activities were computerized and every item was barcoded. In the year 2009, the library was relocated to B. S. Narayan Memorial Block, a more spacious building measuring 1712.47 sq. m.

The library has consistently embraced advancements in Information and Communication Technologies (ICT). In the year 2010, it started using Way2SMS to communicate important information like over dues, new arrivals, arrival of reserved items, to its patrons.

The Library has now migrated from Libsoft 5.0 version to internationally renowned, feature rich, Web 2.0 technologies, a Web based Open Source Software KOHA 24.05. version.

Library OPAC and Digital Library are accessible 24 / 7 from anywhere via internet using IP address <http://14.97.166.101/>.



Now the users will get emails on each transaction, arrival of reserved items, advance/ overdue notices and fines paid acknowledgements. The library has a comprehensive collection of books and journals in engineering and allied subjects catering to the needs of faculties, research scholars, staff and students.

The collection is organized using DDC 22/e. The library is fully automated using KOHA: integrated library management software.



## Stack Area

The Stack room is housed in the ground floor and reference section in the first floor. The library has more than 247 seating capacity. The ground floor is occupied with a circulation counter, stack room, reprographic section, processing section, server room and Librarian chamber

## Reference section:

The first floor is occupied with technical journals and magazines; projects/discussion rooms, personal books reading room, a language laboratory, a digital library and internet browsing center.

A Digital Library has been established with 30 computer equipped with headphones and a dedicated IBM server along with 15TB storage space. It facilitates browsing and downloading of articles from both subscribed & open-source e-journals/e-books; also provides access to NPTEL educational videos/ web Courses.



The library has institutional membership with

- National Digital Library (NDL)
- British Council Library, (Online)
- DELNET is being used for Inter Library Loan service.
- IIMB Library Membership

## Events Organized under NDLI

SN	Name of the Event
1.	On 20 <sup>th</sup> April, 2024, BMSIT&M NDLI-Club in association with MBA Event on "Introduction to EBSCO e-Resources" by Mr. M.S Srinivasa
2.	On 23 <sup>rd</sup> April, 2024, BMSIT&M NDLI-Club in association with CICC Event on "Safe and Diverse Campuses safety" by Mr. Rajendra Prasad
3.	On 31 <sup>st</sup> May, 2024, BMSIT&M NDLI-Club Event on "Direct Income Tax Planning" by Mr. N. Raveendranath Kaushik
4.	On 5 <sup>th</sup> July, 2024, BMSIT&M NDLI-Club organized an Event on the topic "Optimizing Academic Research: Using EBSCO Databases" by Mr.Srinivasa M.S
5.	On 20 <sup>th</sup> August, 2024, BMSIT&M NDLI-Club organized online training on "Turnitin iThenticate 2.0 with AI" by Ms. Ashita Khandelwal
6.	On 19 <sup>th</sup> September, 2024, BMSIT&M NDLI-Club organized an Event on "Know how you can be a great mentee through IEEE Xplore" by Mr.M.S Srinivas

## BEST READERS OF 2024



# DEPARTMENT OF PHYSICAL EDUCATION & SPORTS



**Lt. Rani M S**  
**Additional Director & Head**  
**Department of Physical Education & Sports**

Physical Education is a universal subject where everyone needs the knowledge of physical exercise for fitness. Fitness is a basic requirement, irrespective of age and it is important to encourage everyone to get involved in physical and sports activities. While it is easy to say, "A Sound mind in a Sound body", "Health is wealth" it is equally important to motivate everyone to engage in physical activities for a healthy society. A person with overall personality development must be sound physically, mentally, and socially. The Sports field gives fitness with pleasure, develops skills and creativity, raises health awareness, and boosts immunity power. It also teaches discipline, dedication, team spirit, controlled aggression, emotional regulation, leadership quality etc.

Hence the students & staff are encouraged to take part in sports activities like VTU inter tournaments, tournaments organized by reputed colleges and organizations to promote the sports players of our college. The sports department is well equipped with good Gym and excellent facilities for sports and games in the college premises.

## ACHIEVEMENTS:

1. The Table Tennis (M&W) Teams participated in VTU Bengaluru North Division Inter Collegiate Table Tennis (M&W) Tournament - 2024-25 was held on 1<sup>st</sup> and 2<sup>nd</sup> July 2024. Our college Men & Women teams got qualified for the VTU State Level Tournament by securing secured 1<sup>st</sup> and 2<sup>nd</sup> place in Women's and men's section Respectively.



2. The Power Lifting (M&W) teams of our college have participated in the VTU State Level Inter Collegiate Power Lifting (M&W) Competition



3. The Table Tennis (M&W) teams of our college have participated in the VTU State Level Inter Collegiate Table Tennis (M & W) Tournament was held on 18<sup>th</sup> and 20<sup>th</sup> July 2024 and the women's team secured 2<sup>nd</sup> place.



4. The Karate (M&W) teams of our college have participated in the VTU State Level Inter Collegiate (M&W) Karate Competition held on 25<sup>th</sup> and 26<sup>th</sup> July 2024 and secured bronze medal in women's 50kg category.



5. The Badminton (M) team players of our college have participated in the Manipal Institute of Technology "FALAK'24" Badminton (M) Singles Tournament was held from 1<sup>st</sup> to 4<sup>th</sup> October 2024 at Manipal Institute of Technology, Bengaluru and secured Silver



6. We Organized the VTU Bengaluru North Division Basketball (Men) Tournament on 16<sup>th</sup> October 2024 and our college Basketball (Men) team delivered an excellent performance and secured 1<sup>st</sup> place. The team has been qualified for the VTU State Level Basketball (Men) Tournament.



7. The Cricket (M) team of our college had participated in the VTU Bengaluru North Division Inter Collegiate Cricket (M) Tournament - 2024-25 held from 6<sup>th</sup> November to 10<sup>th</sup> November 2024 and secured 1<sup>st</sup> place in the Tournament. The team was qualified for the VTU State Level Tournament.



8. The Weightlifting (M&W) teams of our college have participated in the VTU State Level Inter Collegiate Weightlifting (M&W) Competition was held on 12<sup>th</sup> November 2024 and secured one Silver medal in Women's 55kg category.



9. The Judo (M&W) teams of our college have participated in the VTU State Level Inter Collegiate Judo (M&W) Competition was held on 15<sup>th</sup> November 2024 and secured one silver and one Bronze medals in Women's different categories.



10. The Wrestling (M&W) teams of our college have participated in the VTU State Level Inter Collegiate Wrestling (M&W) Competition was held on 16<sup>th</sup> November 2024 and secured one Bronze medal in Women's category.



11. Mr. Samarth Srinivas (5<sup>th</sup> Sem, EEE) and Ms. Dimple S Gowda (1<sup>st</sup> Sem, CSBS) represented Karnataka State Team in the Roller Skating/Inline Hockey 62<sup>nd</sup> Senior National Championship was held at Coimbatore from 5<sup>th</sup> to 15<sup>th</sup> of December 2024. The Karnataka state women's team secured Bronze Medal, while the men's team secured 4<sup>th</sup> place.



12. The Table Tennis (W) team player of our college Ms. Prerana Kulkarni of 3<sup>rd</sup> sem ECE has Represented VTU Table Tennis (W) team to participated in the All-India South Zone, Inter University Table Tennis (W) Tournament was held at AMET Deemed to be University Tamil Nadu from 3<sup>rd</sup> to 5<sup>th</sup> January 2025.



13. KREEDOTSAHA 2025- Staff Sports was scheduled on 06<sup>th</sup> March 2025 and 07<sup>th</sup> March 2025. Principal inaugurated the event and motivated the faculty and staff to participate in the games. Faculty and staff actively participated in games like Chess, Tug of War, Carrom, Table tennis, Volleyball and Throwball.



# NATIONAL CADET CORPS



**Lt. Rani M S**  
**NCC Coordinator**

The National Cadet Corps (NCC) is the world's largest uniformed youth organization, with over 17 lakh cadets. It is a Tri-Service voluntary organization focused on grooming youth into disciplined, patriotic citizens. NCC instills character, comradeship, discipline, a secular outlook, a spirit of adventure, and selfless service, while nurturing leadership qualities across all walks of life.

At BMSIT&M, NCC has been actively shaping young engineers into responsible citizens and encouraging them to consider a career in the Indian Armed Forces. The unit is led by ANO Lt. Rani M.S, Department of Sports

## ACHIEVEMENTS:

### **Volunteering at the allotted polling stations, 26/04/2024**

Five Cadets from NCC BMSIT&M volunteered for the Lok Sabha election 2024, at different polling stations and tendered the assigned work from the Election Committee.



### **NCC Refresher Course at OTA Gwalior, 15/04/2024 to 04/05/2024**

ANO Lt. Rani MS completed the mandatory refresher course by securing 'A' Grade. She also participated in various sports and events and was awarded a certificate of excellence in Map Reading and Yoga.



### **Ek Bharat Shreshtha Bharat Camp 1, 20/05/2024 to 31/05/2024**

LCPL. Ratnakaram Sarvani completed her Ek Bharat Shreshtha Bharat Camp 1(EBSB) conducted by 3 Kar Girls Bn NCC, Mysore at JNV,DMG Halli, Mysore.



### **INTERNATIONAL YOGA DAY-2024, 21/06/2024**

To mark the 10<sup>th</sup> International Day of Yoga, NCC BMSIT&M held a yoga session led by Dr. Sudhindra, with over 80 participants including the Principal, ANO Lt. Rani MS, cadets, faculty, and students.



### **Blood Donation Drive, 25/10/2024**

NCC BMSIT&M in association with NSS BMSIT&M and Lions Club including various other clubs conducted a blood donation drive on 25<sup>th</sup> October 2024 where NCC cadets volunteered for the cause.

### Traffic Awareness Drive, 12/07/2024

BMSIT&M NCC unit conducted Traffic awareness drive in association with the Bangalore North Division Traffic Police, Yelahanka. DCP Siri Gowri, IPS and other police officers were present.



### Kargil Vijay Divas, 26/07/2024

Rajath Divas was celebrated marking the 25<sup>th</sup> year of Kargil's victory at BMSIT&M. Cadets paid tribute to all the martyrs in the presence of ANO Lt. Rani M S.



### Pre TSC - I (TSC), 11/08/2024 - 20/08/2024

The IGC-I cadets of BMSIT&M have been further selected for the Inter Group Competition - II (TSC). LCPL Varadaraj Prabhu bagged a Gold medal and placed 2<sup>nd</sup> and LCPL Suman V Patil ended in 6<sup>th</sup> position under the Map Reading event.

### 78th Independence Day Celebration, 15/08/2024

BMSIT&M NCC celebrated the 78<sup>th</sup> Independence Day with a flag hoisting by the Principal, BMSSA Director, and ANO Lt. Rani M.S. Highlights included a band show by Cdt. Angom, guard command by LCPL. Nupreeth, a parade and sword drill led by CSUO. Pooja, and a special formation drill showcasing unity and discipline.



### All India Thal Sainik Camp (AITSC), 02/09/2024 to 12/09/2024

CSUO Varadaraj Prabhu GG completed the All India Thal Sainik Camp (AITSC) that was held from 2<sup>nd</sup> September to 12<sup>th</sup> September 2024 at HQ DG NCC, Delhi. He represented the Karnataka & Goa Directorate in Map Reading (MR). He also played a vital role in the team securing 3<sup>rd</sup> Place in the Overall Championship (SD category).

### Pre-IGC Republic-Day Camp – 2, 22/09/2024 to 01/10/2024

Cdt Sagar B S and Pranav Koushik were selected for the Pre IGC Republic Day Camp—2, held at Brindavan College of Engineering and organized by 10 Kar Bn NCC from 22<sup>nd</sup> September 2024 to 02<sup>nd</sup> October 2024.

### NCC enrolment of new batch on 19/10/2024

The BMSIT&M NCC enrollment for 2024 was held on October 19 with over 100 students participating. Selection involved physical tests, medical checkup, theory, interview, and drill assessment, conducted under the supervision of ANO Lt. Rani M.S and PI Staff from 39 Kar Bn NCC.



### Annual Training Camp – 2 (ATC-2), 25/06/2024 to 04/07/2024

Twenty two cadets from BMSIT&M attended the Annual Training Camp—2 at REVA University from 25<sup>th</sup> June to 4<sup>th</sup> July 2024, organized by 39 Kar Bn NCC. They actively participated in various events, winning 1<sup>st</sup> place in Group Dance and 2<sup>nd</sup> in Quiz Competition.



### **Celebration of National Unity Day, 30/10/2024**

NCC BMSIT&M, in association with NSS BMSIT&M, conducted a National Unity Day event, to honor Sardar Vallabhbhai Patel's role in unifying India, with NCC cadets leading speeches, a unity pledge, and a talk on Vigilance Awareness Week by a professor from the AI/ML department, emphasizing unity and ethical values for a stronger, corruption-free India.



### **Mourning for the Mumbai Attack Incident, 26/11/2024**

In association with CRPF- Yehalanka, Roctract Yehalanka a candle march was held where NCC BMSIT&M took part in paying tribute to the martyrs of Mumbai Attack of 26<sup>th</sup> November 2008.



### **Idea & Innovation Competition Republic Day Camp-2025**

Idea & Innovation Competition (Republic Day Camp-2025) held in Delhi, aimed to encourage and inspire the young minds to develop innovative solutions to real-world problems. BJUO Prajwal V Dev's project MITRA-D (Dhatree) ranked to be one of the TOP 10 Projects. This remarkable achievement brought immense pride to the Karnataka & Goa Directorate.

### **Army Attachment Camp AAC 30/12/2024 to 10/1/2025**

The Army Attachment Camp, held by 39 Kar Bn NCC from 30<sup>th</sup> December 2024 to 10<sup>th</sup> January 2025 at PCTC, Bengaluru, trained cadets in military tactics and weaponry. CSM Sridevi C R, CDT Vaishnavi U D, CDT Varnika K R, CDT Deona Braganza, and CDT Lakshmi Y V represented the Karnataka & Goa Directorate.

### **Republic Day Camp 2025 29/12/2024 to 02/02/2025**

The Republic Day Camp (Cultural) - 2025, held in Delhi celebrated India's cultural diversity through a variety of artistic performances. Representing the 39 Karnataka & Goa Directorate, BJUO Sagar B S participated in the Cultural segment as a pianist, showcasing Karnataka's cultural heritage while bringing pride and recognition to the Directorate.

### **Special National Integration Camp 11/12/2024 to 22/12/2024**

JUO. Nupreeth Mandappa K V ( 5<sup>th</sup> Sem, AI&ML) and LCPL. Jeevitha A ( 3<sup>rd</sup> Sem, CSBS) represented Karnataka & Goa Directorate at the Special National Integration Camp 2024, held in Wokha, Nagaland from 12<sup>th</sup> to 23<sup>rd</sup> December by one Naga Bn. The camp fostered national unity, talent showcase, and camaraderie among cadets from across India.



### **76<sup>th</sup> Republic Day Celebration at BMS Institute of Technology and Management :**

The 76<sup>th</sup> Republic day was celebrated at BMSIT&M with the NCC contingent of 49 cadets led by CSUO Varadaraj Prabhu G G, which also comprised of guards and a band team, led by JUO Nupreeth Mandappa K V and CDT Angom Lamyamba respectively.



### **Aero India Show, 11/02/2025**

Cadets attended the Aero India 2025 show at the Yelahanka Air Force Station along with their ANO Lt. Rani MS.

### RDC CHAMPIONSHIP 2025 -

Karnataka and Goa Directorate won the first place in the Overall Championship and secured the Prestigious PM Banner for 2024-25.



### DDG Felicitation Program, 04/02/2025

CSUO Varadaraj Prabhu G G, BJUO Sagar B S, and BJUO Prajwal V Dev receiving the Deputy Director General's (DDG) Commendation Award from the DDG of Karnataka and Goa Directorate, Air Commodore S B Arunkumar, VSM, for their outstanding achievements at RDC and AITSC.



### C certificate Examination, 15/02/2025 to 16/02/2025

Third year cadets attended their C Certificate Examination in St. Claret Degree College, completing their tenure as proud NCC cadets. A total of 25 Cadets had attended this examination.



### B Certificate Examination, 22/02/2025 to 23/02/2025

Second year cadets completed their B Certificate Examination in Christ Academy Institute of Law, accomplishing a significant milestone in their tenure as NCC cadets. 13 Cadets had attending this examination



### DG Interaction Session, 08/04/2025

The Director General of the National Cadet Corps (NCC) Lt General GP Singh PVSM, AVSM, VSM concluded a two-day visit to the Karnataka and Goa NCC Directorate on 8<sup>th</sup> April 2025. During the visit, he reviewed the performance of the Directorate and appreciated the efforts put in towards winning the PM's trophy for the best performance in 2024-25. CSUO Varadaraj Prabhu and BJUO Sagar B S were part of this event.



# NATIONAL SERVICE SCHEME



**Dr. Manoj H M**  
**NSS Coordinator**

The National Service Scheme (NSS) is an Indian government-sponsored public service program conducted by the Department of Youth Affairs and Sports of the Government of India. Popularly known as NSS, the scheme was launched in Gandhiji's Centenary year, 1969. Aimed at developing student's personality through community service, NSS is a voluntary association of young people in Colleges, Universities and at +2 level working for a campus-community linkage. Today, NSS has more than 3.2 million student volunteers on its roll spread over 298 Universities and 42 (+2) Senior Secondary Councils and Directorate of Vocational Education all over the country.

In BMSITM, the National Service Scheme (NSS) Unit was established in 1<sup>st</sup> September 2004. Since its inception various social activities are successfully carried out under its banner. In the current academic year, 100 students registered which included 40 girls from all branches of our Institute.

## ACHIEVEMENTS

**Water Internship Survey Project:** The Water IThe Water Internship Survey Project, conducted on 29<sup>th</sup> May 2024 in Doddaballapura Taluk across 12 villages under Hosahalli and Sasalu Gram Panchayats, involved 52 volunteers surveying 13 lakes using the Dishank App to assess water conditions, identify encroachments, and evaluate rejuvenation needs. This initiative was part of the Water Positive campaign, a collaborative effort by multiple organizations to revitalize small water bodies in Bengaluru. The Sample Event Photos are below:



**Plantation Drive:** On 25<sup>th</sup> June 2024, as part of the mandatory NSS course for 4<sup>th</sup> semester BE students, 120 volunteers participated in a field activity at Adde Vishwanathapura Village, planting over 400 plant varieties under the supervision of NSS coordinators and the Program Officer. The drive was supported of Gram Panchayat President Mr. Santhosh Kumar, aiming to foster environmental awareness, community service, and the dignity of labor.



**Report on Organic Farming Talk and Plantation Event:** On 2<sup>nd</sup> July 2024, as part of the mandatory NSS course for 4<sup>th</sup> semester BE students, 60 volunteers attended an Organic Farming Talk by Prof. S Sudhakar and planted over 50 medicinal plants on campus, gaining insights into organic farming, market trends, and the dignity of labor through hands-on experience.



### Volunteer Blood Donation Camp – 2024:

The Volunteer Blood Donation Camp 2024, held on 25<sup>th</sup> October 2024 at BMSIT&M from 9:00 AM to 4:30 PM, was organized by NSS in collaboration with the Youth Red Cross and NCC, collecting 422 units of blood from eligible donors with support from 50 volunteers, benefiting approximately 1,266 patients and promoting awareness on voluntary blood donation.



**National Unity Day – 2024:** National Unity Day 2024 was observed on 30<sup>th</sup> October 2024 at BMSIT&M, organized by NCC and NSS, where 50 volunteers gathered at the basketball court to honor Sardar Vallabhbhai Patel, take a pledge for national integrity, and conclude with the National Anthem.



**Interactive Session on Organic Farming and Natural Farming:** On 19<sup>th</sup> – 20<sup>th</sup> November 2024, BMSIT&M's NSS Unit and Unnat Bharat Abhiyan hosted an interactive session on Organic and Natural Farming by Mr. Subramani Sudhakaran, where 120 participants learned about sustainable farming practices, environmental benefits, economic opportunities, and challenges, engaging in discussions on future initiatives.



### Report on ECO SENSITISATION Workshop:

On 3<sup>rd</sup> – 4<sup>th</sup> December 2024, BMSIT&M's NSS Unit and Unnat Bharat Abhiyan organized an ECO SENSITISATION Workshop and poster-making competition led by Dr. V Selvarajan, where students learned about climate change, sustainable practices, and environmental conservation while showcasing creative solutions through posters.



**Millet Mela:** The Millet Mela, held on 10<sup>th</sup> March 2025 at BMSIT in collaboration with CRPF, raised awareness on the nutritional, environmental, and economic benefits of millets through interactive sessions, exhibitions, and expert discussions, with 25 NSS volunteers actively participating in organizing, outreach, and pledging to promote millet consumption for sustainability and health.



### Dr. B R Ambedkar Jayanthi

Dr. B R Ambedkar Jayanthi celebrated on 14<sup>th</sup> April 2025 at 9:00 AM in second floor seminar hall, Academic block, by SC/ST Cell in collaboration with department of Sports, NCC and NSS unit. The Honourable principal emphasized the contributions of a visionary social reformer, jurist, economist, and the chief architect of the Indian Constitution to the gathering.



**Drug-Free Life:**

A Choice for a Brighter Future

The NSS Unit of BMSIT&M organized a motivational awareness program, "Drug-Free Life: A Choice for a Brighter Future," featuring Dr. Tavikumar S P on 8<sup>th</sup> and 9<sup>th</sup> April 2025, who emphasized the psychological, social, and health impacts of substance abuse while promoting mental wellness and responsible decision-making. The session successfully engaged students from multiple semesters, inspiring them to lead drug-free lives and become ambassadors of positive change in their communities.

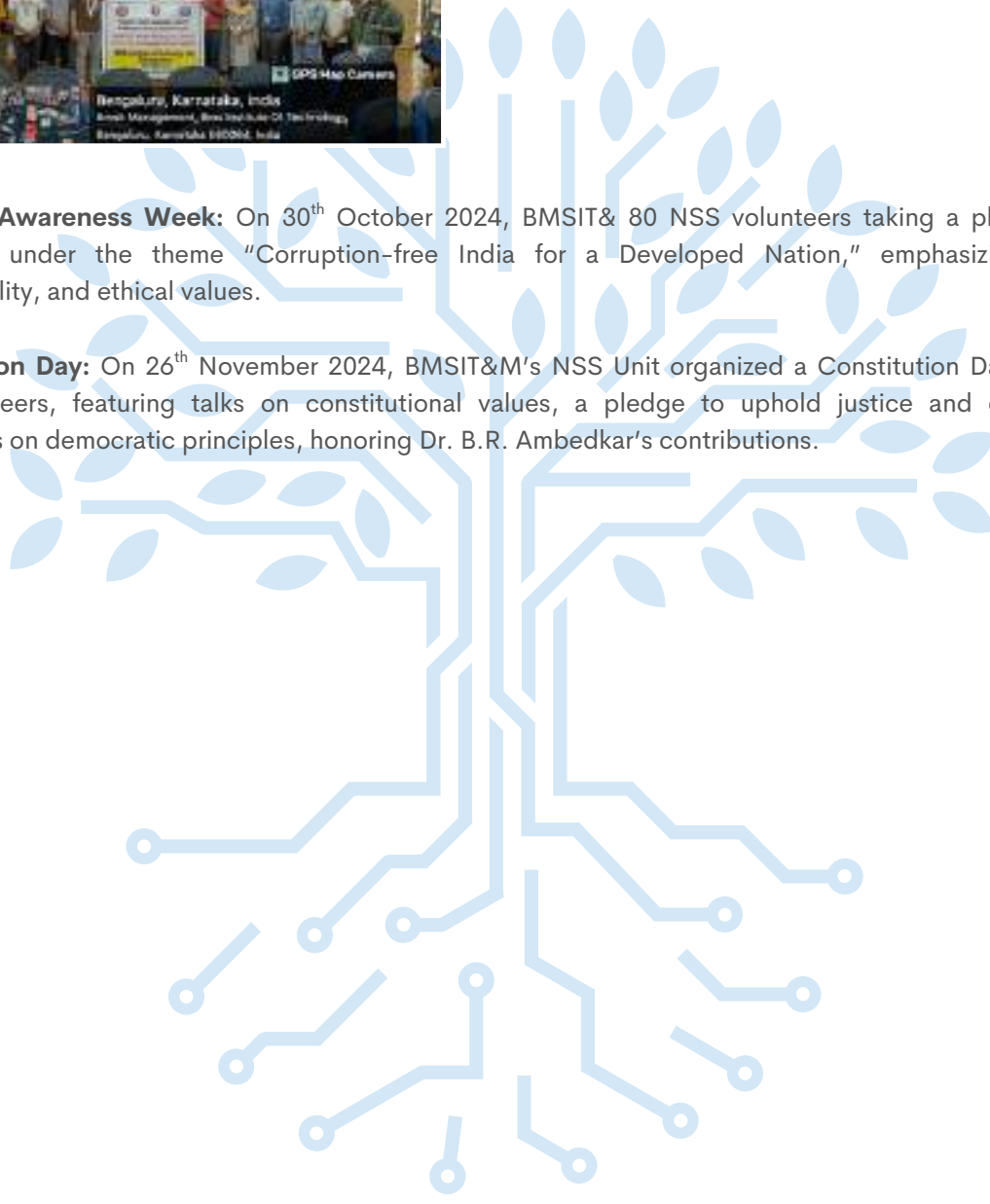


**World Meditation Day:** On 21<sup>st</sup> December 2024, BMSIT's NSS Unit organized a World Meditation Day event, where over 80 volunteers participated in a guided session by Heartfulness Sahaj Marg experts, promoting mindfulness, stress reduction, and mental well-being through meditation.



**Vigilance Awareness Week:** On 30<sup>th</sup> October 2024, BMSIT& 80 NSS volunteers taking a pledge against corruption under the theme "Corruption-free India for a Developed Nation," emphasizing integrity, accountability, and ethical values.

**Constitution Day:** On 26<sup>th</sup> November 2024, BMSIT&M's NSS Unit organized a Constitution Day event with 150 volunteers, featuring talks on constitutional values, a pledge to uphold justice and equality, and discussions on democratic principles, honoring Dr. B.R. Ambedkar's contributions.



# OIKOS, Eco-CLUB



**Dr. Rajesh Gopinath**  
**Eco Club Coordinator**

OIKOS, the Eco-Club of BMSIT&M functions under the Institutional Environmental Committee and was formed on 5<sup>th</sup> June 2016 (World Environment Day). The prime motto to incept this forum is to protect, preserve and enhance the natural environment principally at BMSIT&M and also in its surrounding communities. OIKOS has advisory members from NGO's, Industries, Forest Departments, Natural Historical Societies, Academia etc. The vision of the club is "Environmental sustenance by constant dissemination of ecological and environmental knowledge to society at large". Among several missions, the prime mission is imparting informal and formal environmental awareness programmes through Keystone Students Environmental Education Training.

## SNAPSHOT OF ACTIVITIES FROM APRIL 2024 TO MARCH 2025

### Green Alumni Award

On 22<sup>nd</sup> May 2024, OIKOS has honored Ms. Monisha KY with its Inaugural Green Alumni Award for her invaluable efforts and contribution to Environment and Society.



### Green Achiever Award

On 22<sup>nd</sup> May 2024, OIKOS also honored its Student Coordinator Ms. Lavanya Kovi with its Inaugural Green Achievers Award for her invaluable efforts and contribution to OIKOS, Environment and Society.



### World Environmental Day Celebrations

With this year's World Environment Day (5<sup>th</sup> June 2024) theme as "Ecosystem restoration", OIKOS celebrated it viz. Environment-theme Ethnic Day and Sapling Plantation to raise environmental consciousness.



### Best Technical Project Award (Environmental-based)

Student members of OIKOS (Mr. Rakshit, Mr. Naveen, Mr. Kiran and Mr. Indushekar) under co-supervision of Dr Rajesh Gopinath (Key Liaison OIKOS & Associate Professor, Department of Civil Engineering) have won 2<sup>nd</sup> prize at the Inter-college Students UG Project Competition, at RRIT, Bengaluru on 3<sup>rd</sup> May 2024. They have developed an eco-friendly high-strength Paver Block using Waste- Ceramics for medium-traffic roads. The project also won Funding of INR 10,000 from IWWA - Bengaluru centre. The student also won 2<sup>nd</sup> prize at Intercollegiate Project Competition "SAMVEEKSHAN" organized by NMIT on 21<sup>st</sup> May 2024.



### Student members of OIKOS

Nitish KS, Sri Srujan Hari T, Tarun Patil under co- supervision of Dr. Rajesh Gopinath (Key Liaison OIKOS & Associate Professor, Department of Civil Engineering) have won the 1<sup>st</sup> runner up prize at the 11<sup>th</sup> edition of the National Level Technical Project Exhibition (SRISHTI-2025) at Saintgits College of Engineering, Kottayam, Kerala, conducted during 24<sup>th</sup> - 25<sup>th</sup> February 2025, for the multidisciplinary project IOT-based Environmental Monitoring System with Threshold Mechanism for Smart Cities. This is OIKOS's second win at SRISTHI, previous being at 2021.



### Green Teachers Award

On the eve of India's 76<sup>th</sup> anniversary of Republic Day ( 26<sup>th</sup> January 2025 ), which also marks World Environmental Education Day, Dr Rajesh Gopinath (Key Liaison OIKOS & Associate Professor, Department of Civil Engineering) was conferred with the Green Teacher's Award by Green Circle (an Environmental NGO), to commemorate his efforts to enhance Environmental Awareness through both formal and informal education.



# GENDER CHAMPION CELL



**Dr. Thejaswini S**  
**Gender Champion Cell Coordinator**

Gender Champion Cell was established on 24<sup>th</sup> November 2015 at BMSIT&M. The main objective of this cell is to make the young boys and girls gender sensitive and create positive social norms. The responsibilities of the Gender Champion Cell will include the following:

- Provide overall guidance to the peer group in integrating /mainstreaming gender in all activities of the Institution in the form of focused group discussions, debates, poster competitions etc.
- Organize awareness programs on various gender issues including legislations to influence behavior change. This could be facilitated through workshops, theme-based plays, films, painting competition, etc.
- Organize exposure visits to various public service institutions at the village and city level to facilitate knowledge about gender issues as they affect diverse populations.

The Cell comprises Nodal Teachers [Faculty Coordinators] and Gender Champions [Students coordinators].

## EVENTS ORGANIZED UNDER GENDER CHAMPION CELL

### Poster Making Competition

On 25<sup>th</sup> March 2025, a vibrant poster-making competition was organized by Gender Champion Cell under the theme of promoting critical societal topics: "Work-Life Balance for All" and "LGBTQ+ Inclusion". This event aimed to provide a creative platform for participants to express their ideas, raise awareness, and encourage inclusivity through artistic expression. The event witnessed enthusiastic participation by 15 teams of two members each. Participants showcased their creativity and vision, presenting thoughtful perspectives on the importance of maintaining a healthy work-life balance and fostering an inclusive society for LGBTQ+ communities. The colorful posters reflected deep insights, innovative thinking, and compelling visual storytelling. A panel of esteemed judges assessed the posters based on creativity, relevance to the theme, originality, artistic composition and message conveyed by the poster. After much deliberation, the winners were announced.

The Winners of the Competition are

- First Place: Bhavana S, Varshitha V
- Second Place: Aakanksha K, Supriya Gouda
- Third Place: Rakshita Narahari Bhat, Prarthana Dilip

The event was a resounding success, fostering meaningful dialogue on these pressing issues while celebrating creativity and inclusivity. The organizers extended heartfelt thanks to all participants, the panel of judges, and the audience for their enthusiastic support, making the competition a memorable occasion.



# WOMEN EMPOWERMENT CELL



**Dr. Anitha V R**  
**Women Empowerment Cell Coordinator**

The Women Empowerment Cell at BMSIT was established in the year 2010.

Empowerment of women is a socio-political ideal envisioned in relation to the wider framework of women's rights. It is a process that leads women to realize their full potential, their rights to have access to opportunities, resources and choices with the freedom of decision making both within and outside home.

Under this cell, various activities were organized for the benefit of Women.

The various activities were organized during the last year from July 2024 to April 2025 is as follows;

Women Empowerment Cell of BMSIT&M celebrated International Women's

Day on 8<sup>th</sup> March 2025 in BSN Auditorium. The event was attended by lady faculty members, housekeeping staff, and gardening staff, making it a truly inclusive celebration.

The event was presided over by Dr. Sanjay H A, Principal, BMSIT&M, who delivered the Presidential Address. He acknowledged the hard work, dedication, and sacrifices made by women in balancing their personal and professional lives. He also mentioned various research funding opportunities available exclusively for women and encouraged them to take advantage of such initiatives.

The event was graced by Dr. Anil G N, Vice Principal, BMSIT&M, Dean (P&D), Dean (SW) and who addressed the audience with inspiring words about the strength, resilience, and contributions of women in society and academia. They emphasized the importance of women taking leadership roles and excelling in their respective fields.

Sl. No.	Event	Date	Participants	Remarks
1	Awareness on Cancer Detection (Cervical and Breast)	16 <sup>th</sup> Nov 2024	Students/Faculty	1. Mrs. Kameswari, Cancer Care India, Bangalore 2. Dr. Indira, Gynaecologist, Bangalore
2	A Cancer Detection Camp	30 <sup>th</sup> Nov 2024	Students/Faculty	1. Mrs. Kameswari, Cancer Care India, Bangalore. 2. Dr. Indira, Gynaecologist, Bangalore.
3	Women's Day Celebrations	8 <sup>th</sup> March 2025	Students, Faculty, Staff, House keeping and Gardening Staff	Chief Guest: 1. Dr. Sanjay H A Principal, BMSIT&M, Bangalore

The Women's Day celebration at BMSIT&M was a memorable and empowering event, reinforcing the institution's commitment to gender equality and women's advancement



# INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS SOCIETY



**Dr. Saneesh Cleatus T**  
**IEEE Coordinator**

The Institute of Electrical and Electronics Engineers (IEEE) Chapter at BMSIT&M aims to create an environment that not only encourages but actively supports the technical growth and development of students. By organizing a variety of events and initiatives, the club endeavours to foster a culture of innovation, collaboration, and continuous learning among its members.

Joining the IEEE Chapter at BMSIT&M, can offer numerous benefits:

- Access to events and initiatives at any university with IEEE.
- Scholarships and Project Grants.
- Research Conferences and Activities
- Help with corporate networking and placements.

## EVENTS AT IEEE FOR THE YEAR 2024-25

Society Launches: Multiple IEEE societies were introduced this year, expanding student engagement across various technical domains: Robotics Automation Society (7<sup>th</sup> April 2024), Computational Intelligence Society (7<sup>th</sup> April 2024), Aerospace and Electronic Systems Society (24<sup>th</sup> June 2024), Communications Society (24<sup>th</sup> June 2024), Engineering in Medicine and Biology Society (27<sup>th</sup> October 2024), Photonics Society (11<sup>th</sup> November 2024) and Antennas and Propagation Society (APS) & Microwave Theory and Techniques Society (MTTS) (11<sup>th</sup> November 2024).

INSIGHT HUB 1.0 & 2.0 (10<sup>th</sup> May and 22<sup>nd</sup> July 2024): Hosted by IEEE SPS BMSIT&M, these sessions featured global experts discussing higher studies, IEEE SPS scholarships, AI, and signal processing. With 95 and 30 attendees, they provided key critical insights and networking opportunities for aspiring researchers.

Summer Of Projects (20<sup>th</sup> May 2024 to 29<sup>th</sup> June 2024): Organized by IEEE BMSIT&M Student Branch, this program offered hands-on learning in IoT, Robotics, and AI. Phase 1 included workshops on programming and design, while Phase 2 involved team-based project development under expert mentorship. The initiative culminated in a showcase, fostering technical skills, teamwork, and innovation.



Tech Trend Fusions: Echoes of Innovation (21<sup>st</sup> June 2024): Hosted by IEEE Young Professionals Bangalore and IEEE BMSIT&M, this event uniquely blended technology with drama. Through interactive sessions and storytelling, attendees explored emerging innovations, emphasizing interdisciplinary collaboration and creative learning.

Ethical Hacking Workshop (3<sup>rd</sup> July 2024): Organized by IEEE ITS, this workshop, led by Adrin P.F (Avigdor CyberTech), addressed cybersecurity threats, digital protection, and ethical hacking. Participants gained hands-on insights into security measures, emphasizing the growing need for cybersecurity expertise.



Capture the signal (5<sup>th</sup> and 6<sup>th</sup> July 2024): Organized by IEEE SPS BMSIT as an ICASSP Satellite Event, this two-day competition tested 120 participants in signal processing, cryptography, and hardware-based tasks. Day 1 featured a CTF challenge, while Day 2 focused on Arduino and ESP32-based problem-solving. With a ₹30,000 prize pool, the event enhanced IEEE SPS BMSIT's global recognition and reinforced its role as a hub for technical excellence.



Expert Edge (17<sup>th</sup> August 2024): Hosted by IEEE BMSIT&M, this webinar featured Simran Khokha (Infineon Technologies) discussing careers in the semiconductor industry. With 90 attendees, the session covered key skills, industry trends, and networking, concluding with a Q&A on career growth strategies.

First Prototype Test of Online Campus Radio Solution (12<sup>th</sup> September 2024): Organized by IEEE ComSoc BMSIT&M, this prototype introduced a cost-effective Online Campus Radio for real-time audio streaming. It enhances campus connectivity, fosters community engagement, and showcases student talent.



Winter of Projects (11<sup>th</sup> November 2024 to 19<sup>th</sup> December 2024): IEEE BMSIT&M brought together multiple societies in this month-long event, engaging 90 participants in AI, robotics, biomedical, and communication projects. Top innovations were showcased at STARK Expo (20<sup>th</sup> and 21<sup>st</sup> December), fostering research and technical excellence.

CodeCon'24 (15<sup>th</sup> November 2024): Organized by the IEEE CS Chapter BMSIT&M, this full-day coding competition saw 120+ participants tackle aptitude, debugging, and coding challenges on HackerRank, fostering problem-solving, collaboration, and technical excellence.



FIEEE SkyPulse Weather Forecast Initiative (November 2024): Led by IEEE ComSoc BMSIT&M, SkyPulse is a weekly weather forecast using RTL-SDR technology for real-time tracking of cyclones and monsoons. It provided timely alerts, aiding campus safety. A quarterly magazine was soft-launched in January 2025, marking a key milestone.

Junior Interaction & Weekly Activities (November 2024): IEEE CIS BMSIT&M introduced 150 students to AI/ML through team-building and Ideathon discussions. Weekly activities, including tech insights and quizzes, ensured continuous learning and engagement.

EPOCH '24 ( 6<sup>th</sup> and 7<sup>th</sup> December 2024): IEEE CIS BMSIT&M's flagship ideathon-hackathon challenged participants with real-world problems like Smart City Monitoring. Teams advanced from ideation to prototypes with mentorship, culminating in presentations and a recognition ceremony celebrating innovation and technical skills.

Robolympics 2024 ( 14<sup>th</sup> December 2024): Organized by IEEE RAS BMSIT&M, this robotics competition featured Line Following, Robo Soccer, and Robo Race challenges. Students showcased innovation, agility, and engineering skills, culminating in an award ceremony celebrating technical excellence.



IEEE Week ( 20<sup>th</sup> December to 31<sup>st</sup> December 2024): A showcase of innovation and technical excellence featuring: STARK Expo ( 20<sup>th</sup> to 21<sup>st</sup> December 2024): Winter of Projects finale with top project displays, an Alumni Meet, and challenges like Mission Spectrum (ComSoc), Auto on Wings (AESS), and Laser Maze (Photonics & EMBS). Hack the Halls ( 23<sup>rd</sup> - 24<sup>th</sup> December 2024) IEEE CS & ITS hackathon with debugging, Code Roulette, and final pitches. mARTian AESSence ( 26<sup>th</sup> and 31<sup>st</sup> December 2024): Aerospace problem-solving and VR-based Martian environment design (AESS). Grid Wars ( 31<sup>st</sup> December 2024): Competitive problem-solving, cryptography, and circuit design with strategic challenges. IEEE Week fostered hands-on learning, interdisciplinary collaboration, and technical growth.



IEEE Communications Society Recognized as Best Promising Chapter ( 5<sup>th</sup> January 2025): IEEE ComSoc BMSIT&M, alongside Cambridge Institute of Technology, was recognized as the Best Promising Chapter of 2024 by IEEE ComSoc Bangalore Section for its contributions to technical events, innovation, and student engagement.

Annual General Meeting ( 25<sup>th</sup> January 2025): IEEE BMSIT&M's Annual General Meeting marked the transition to the 2025 executive committee, with reflections on 2024 achievements, financial reports, and society updates. The event featured felicitation of outgoing leaders, introduction of the new team, and addresses by faculty emphasizing IEEE's role in technical growth. It concluded with networking, reinforcing a vision for innovation and collaboration.



IEEE Bangalore ITS Outstanding Student Volunteer ( 25<sup>th</sup> January 2025): Mr. Shreyas Yadav ( 8<sup>th</sup> Sem, ISE) was honored by IEEE ITS Bengaluru Section for his contributions to organizing technical events at BMSIT&M, fostering knowledge sharing and advancing IEEE's mission of innovation.

IEEE Signal Processing Society Forum 2025 ( 30<sup>th</sup> January 2025): IEEE SPS BMSIT&M won the Outstanding Student Branch Chapter of the Year award for excellence in technical engagement. Dr. Saneesh Cleatus Thundiyl received the Outstanding Professional Volunteer for Academia award for his mentorship and contributions to signal processing society.



# INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS SOCIETY



**Dr. Saritha I G**  
**IETE Coordinator**

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication. It was Founded in 1953.

The IETE is the National Apex Professional body of Electronics and Telecommunication, Computer Science and IT Professionals. It serves more than 1,25,000 members (including Corporate, Student and ISF members) through various 63 Centres, spread across India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and the economy. Government of India has recognised IETE as a Scientific and Industrial Research Organization (SIRO) and also notified it as an educational Institution of national eminence. The objectives of IETE focus on advancing electro-technology. The IETE conducts and sponsors technical meetings, conferences, symposia, and exhibitions all over India, publishes technical journals and provides continuing education as well as career advancement opportunities to its members.

Objectives of ISF (IETE Student Forum) :

1. Improving standard of Engineering Education
2. Counselling the students in the emerging new opportunities .
3. Encouraging and motivating the outside Classroom studies/Workshops/projects/Seminars.
4. Increasing the student base and corporate membership of IETE .

- Department of ETE organized an Expert talk on "Empowering the future of Entrepreneurship" on 11<sup>th</sup> November 2024, in association with IETE club, as part of the celebration of the 71<sup>st</sup> foundation Day of IETE on 9<sup>th</sup> November 2024. Mr. Mani Ratna Monu , a Founder & CEO at MeetX by Altrodav Technologies Pvt Ltd, delivered an inspiring talk on entrepreneurship exploring the journey of building impactful ventures , overcoming the challenges and developing a mindset for innovation and success . The speaker also motivated the students with insights on startup world and its opportunities . Dr. Saritha I G , Prof Prathiba M the IETE coordinator and TEA coordinators jointly organized the event .



- The Department of Electronics and Telecommunication Engineering (ETE) celebrated World Telecommunication Day with great enthusiasm on 17<sup>th</sup> May 2024, in association with the IETE club. The event aimed to highlight the importance of telecommunications in the modern world and engage students in activities that promote technical knowledge and skills. The celebration included a webinar and two exciting events: an Article Contest and Tech Charades.



# COLLEGE INTERNAL COMPLAINT COMMITTEE



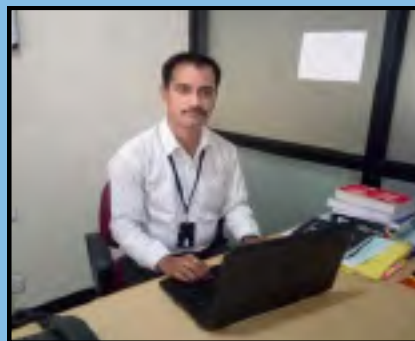
**Dr. Geeta Patil**  
CICC Chairperson

Every student has the right to learn, socialize, and participate in academic and extracurricular activities in an environment free from discrimination, harassment, and violence. The college must maintain a campus where students are treated with respect, regardless of gender, race, caste, religion, or any other characteristic. The College Internal Complaint Committee (CICC) plays a crucial role in ensuring the well-being and safety of women on campus, in compliance with the Sexual Harassment of Women at Workplace (Prevention, Prohibition, and Redressal) Act, 2013.

The committee is dedicated to preventing discrimination and sexual harassment in the workplace, offering support, and providing a redressal mechanism for grievances. It aims to create a safe and inclusive environment by raising awareness through workshops, seminars, and notices. Additionally, it maintains strict confidentiality in handling complaints and recommends appropriate actions against perpetrators to the college management. Committee is chaired by Dr. Geeta Amol Patil (Associate Professor, ISE) and other members of the committee are Dr. Lokesh R (Dept. of Physics), Prof. Tejaswini B J (HoD, HSS), Prof. Shilpa G (Assistant Professor, EEE), Dr. Rajesh I S (Assistant Professor, AIML), Mrs. Shailavathi R (Library Assistant) and Dr. Brinda Verma (Advocate & IPR consultant, POSH expert).

Through various awareness programs, the committee educates stakeholders, students, and staff on the policy framework and legal provisions that govern workplace behavior. An awareness session was conducted by the CICC for first-year students. Objective of the awareness program is to inform first-year students about the functions of the Internal Complaint Committee, their rights and responsibilities.

# MEDIA CELL



**Prof. Venkatesh A**  
Public Relation and Media Coordinator

The Media Cell was established in February 2019 with the intent to serve BMS Institute of Technology & Management by communicating and collaborating with our stakeholders and the outside world. The cell has maintained a good rapport with the media and other stakeholders, and is continuously striving towards the betterment of our Institution.

Our cell works to provide wide publicity to the events and achievements of BMS Institute of Technology and Management. The Media Cell represents the Institution in various Digital and Social media platforms such as Facebook, LinkedIn, Instagram, YouTube, etc.



# SCHEDULED CASTE/SCHEDULED TRIBE (SC/ST) CELL



**Dr. Laxmisagar H S**  
**SC/ST Cell Coordinator**

The SC/ST cell is constituted at BMSIT&M, as per the guidelines issued by AICTE, UGC, VTU, and the Government of Karnataka. Its aim is to monitor and resolve issues related to SC/ST students at the Institute level and provide an inclusive and non-discriminatory environment by prohibiting discrimination, harassment, or victimization of individuals based on their caste or tribe.

The Reservation (SC/ST/OBC) Cell will monitor and endeavor to resolve issues and grievances related to all reservation candidates and staff at the Institute level. The said Committee/Cell will investigate the complaint and call the concerned complainant personally to hear the grievance. The grievance regarding caste-based discrimination will be resolved by constituting an inquiry committee by the Principal to resolve the issue.

The following are the activities conducted under SC/ST Cell:

1. Celebration of Valmiki Jayanti on 17<sup>th</sup> October 2024, at 2<sup>nd</sup> floor Seminar Hall, Academic Block, BMSIT&M., to honor the birth anniversary of Maharishi Valmiki the revered ancient poet, sage, and author of the epic Ramayana.
2. An expert talk was arranged on "Journey from an Engineer to CIVIL SERVICE Profile" for SC/ST students of BMSIT&M college, Bengaluru. It was scheduled on 8<sup>th</sup> May 2024 from 2:00 pm to 4:30 pm, 2<sup>nd</sup> floor seminar hall, Academic block. The talk was delivered by a distinguished speaker Jayanna Krupakar, Deputy secretary, Government of India, who has achieved remarkable success in the civil services Indian Foreign Service (IFS).



3. An outreach activity was conducted on "e-learning" for Government Higher School students, Singanayakanahalli on 20<sup>th</sup> June 2023. Through this, it would be able to teach the Basic skills of Computers like MS Word, PowerPoint Presentation, MS Excel, writing a leave letter, and MS Paint. More than 70 students from the school benefited from this Activity.



# CULTURAL CELL



**Dr. Sowmyashree M S**  
**Cultural Cell Coordinator**

The Talents Day event was a vibrant celebration of the diverse talents and abilities of our first year students. Held on 20<sup>th</sup> April 2024, at Amphitheatre, the event featured an array of performances and showcases from students which includes musical acts, dance performances, poetry recitations, RAP and so on, about a total of 15 events were conducted, the atmosphere was filled with excitement and support as each participant took the stage to share their talents. The audience who were around 400 in numbers cheered on their peers, creating a sense of camaraderie and appreciation for the hard work and dedication put into each performance.



Utsaha Vaibhava 2024—the Annual Techno-Cultural fest was scheduled on 6<sup>th</sup> June and 7<sup>th</sup> June 2024. Mr. Akul Balaji, Actor, television host and dancer, Ms. Saanvi Shetty, Singer, television fame were the chief guests for the inauguration on 6<sup>th</sup> June 2024. Students from various colleges participated in the different events and won the prizes. The musical concert was cherished by Mr. Raghu Dixit on 7<sup>th</sup> June 2024 followed by DJ.



Kannada Rajyotsava was celebrated in BMSIT&M on 1<sup>st</sup> November 2024, with flag hoisting to mark the formation of the state of Karnataka. This day is a source of pride to uphold the Kannada language, identity and pride, celebrating its rich heritage, traditions, and contributions to Karnataka's culture. A short report on our culture and heritage was presented by the students and faculty members showcasing the richness and diversity of our traditions.



Honnudi Kannada Sangha organized Kannada Habba on 16<sup>th</sup> November 2024. The honorable chief guests Mr. Prakash R M, Head HR, Solize, Mr. Pramod Maravanthe Lyrist, Kannada Film Industry and R J Vijayendra Athanikar, Presenter and Ghazal singer, Chandana Vahini along with Principal, Vice Principal and Dean Student Welfare inaugurated the Kannada Habba at B S N Auditorium, Lab Block.

The event started with the procession from the main gate along with Veeragaase including flag hoisting near the academic block. The inauguration started with an invocation song followed by welcome speech and lighting of the lamp.



International conference CompSIF was organized on 21<sup>st</sup> March and 22<sup>nd</sup> March 2025 in the BSN Auditorium. Cultural activities like Classical, Western and Semi classical song and dance was performed by the students.



Bureau of Indian Standards hosted "Manak Carnival" in our campus on 3<sup>rd</sup> January 2025, to promote an awareness of quality of standards, foster creativity and innovation among the young minds. Around 13 different colleges took part in the cultural activities and technical competitions.

Interact 2025, 24<sup>th</sup> VTU fest was organized at Global Academy of Technology, Bengaluru from 24<sup>th</sup> March 2025 – 27<sup>th</sup> March 2025. Around 37 students participated in various Cultural events such as Indian Classical song, Group song, Group dance, Photography, Debate, Skit etc.



Annual Alumni Meet was organized on 21<sup>st</sup> December 2024 in the BSN Auditorium. The students performed various cultural activities such as dance, drama and music.



# RESEARCH AND CONSULTANCY CELL



**Dr. Bharathi Malakareddy A**  
**Head-Research & Consultancy Cell**

R&C plays a vital role in identifying new research areas, developing projects leading to publications in National/International Journals and conferences. The R&C Cell was established at the Institution level to promote Research & Innovation among both faculty & students. The Cell helps in developing co-operative and complimentary research among various departments under BMSIT&M to explore advanced technologies. The Cell holds periodical Review meetings on the progress of research being carried out for Ph.D. as well as the funded projects. The Cell also guides in writing projects, scientific papers leading to publication also in identifying results of research for filing patents. The Institution foregrounded the concept of research amongst the students from first year of their study.



## II. HIGHLIGHTS OF THE YEAR 2024-25 (EVENTS/INITIATIVES):

**Initiatives:** In May 2024, the Research Promotion Policy was implemented to foster scientific temper and research aptitude among teachers, research scholars, and students. The policy aims to realize the vision and mission of the institute by contributing to areas of academic, practical, and socially relevant significance. It also seeks to ensure that all research activities are conducted in a safe and ethical manner. The institute is committed to providing the necessary financial and infrastructural support to promote research and build a strong research ecosystem. The benefits provided under this policy include:

- Cash incentives for journal publications.
- Incentives for authoring technical books
- Incentives for undertaking sponsored research projects.
- Incentive schemes for professional body memberships
- Seed money for faculty under the Faculty Research Promotion Scheme (FRPS).
- Support for participation in international conferences
- Financial assistance for full-time Ph.D. scholars.

### Events:

#### 1. Research Promotion Policy Awareness Programme:

The Research Promotion Policy Awareness Programme was conducted on 31<sup>st</sup> July 2024, with the primary objective of familiarizing faculty members with the institutional strategies and support systems designed to enhance research activities.

The program aimed to:

- Disseminate information about the institution's Research Promotion Policy, including incentives, grants, and support structures available to faculty for research development.
- Encourage faculty members to take up interdisciplinary and funded research projects by understanding the procedural and administrative support provided by the institution.
- Highlight opportunities for research collaborations, paper publications, patents, and participation in national and international conferences.
- Clarify guidelines for applying to institutional research grants, ethics committee protocols, etc.



**2. BS Narayan Luminate: New Ideas for a New Era - A Lecture Series:**

An expert lecture was organized on 4<sup>th</sup> January 2025 (Saturday) from 10:00 AM to 12:00 Noon at BSN Auditorium, 2<sup>nd</sup> Floor, LAB Block, featuring Prof. Y. Narahari, Honorary Professor at the Department of Computer Science and Automation, Indian Institute of Science (IISc), Bengaluru. The session was titled "Algorithms for Modern Agriculture with Artificial Intelligence and Game Theory", followed by a segment on "Research Proposal Writing Using the Heilmeyer Catechism."



**3. Seed Money Grant for Research 2024-25:**

Six faculty members have been awarded the 2024–25 Seed Grant from the institute, with a total grant amount of ₹10.00 lakhs.

**4. Ph.D. Scholars at BMSIT&M:**

A total of **179** Ph.D. scholars, both from academia and industry, are pursuing their Ph.D. at BMSIT&M, and **52** scholars have already received their doctoral degrees from the institution.

**5. Ph.D. Research Supervisors at BMSIT&M:**

A total of **118** faculty members at BMSIT&M are recognized as Ph.D. Research Supervisors and are actively guiding doctoral scholars across various disciplines.

**6. Research Funded Projects at BMSIT&M:**

BMSIT&M is currently handling **10** ongoing funded projects with a total sanctioned amount of around **₹2.34** crores received from DST,SERB,BIS, VGST,TARE an so on.

**III. Achievements:**

**1. Research Excellence Award-2024:**

This initiative aims to encourage and enhance research activities among the faculty, helping them to contribute significantly to both the academic and research goals of our institution. As part of the Engineers Day 2024 celebration held on 20<sup>th</sup> September 2024, 13 faculty members from various departments were honored in recognition of their outstanding contributions to research. The awards acknowledged research excellence demonstrated during the period from August 2023 to July 2024.



**2. Publication Incentives and Conference Papers Presentation Reimbursement:**

From April 2024 to March 2025, faculty members across various departments have been recognized for their research contributions. The total number of Web of Science(WoS),and ABDC-indexed journals research publications currently stands at **629**, reflecting a sustainable body of scholarly output and sustained academic productivity. Additionally, registration fees for presentations have been reimbursed.

**3. Research Proposals Submission during 2024-25:**

Name of the Funding Organization	Proposals Submitted	Remarks
Vision Group on Science and Technology (VGST)	30	Five project presentations were held in January 2025(Awaiting for results).
ISRO's RESPOND BASKET 2024	15	Awaiting for results
ISRO RACS	01	Awaiting for results
Q-Pragathi Cohort II	05	Awaiting for results

# ROTARACT CLUB



**Dr. Tejaswini B J**  
**Rotaract Club Coordinator**

The Rotaract Club of BMS Yelahanka has been actively engaged in service-driven initiatives making a tangible impact on communities through education, empowerment, and outreach programs. With over 400 volunteers involved across multiple projects, the club has successfully executed initiatives that foster positive change.



Our journey began with Genesis (1<sup>st</sup> July 2024), an orientation session that welcomed new members, introduced them to Rotaract's vision, and strengthened club engagement. The session set the foundation for the year, ensuring that our members were aligned with the club's goals

Sense of Belongingness (19<sup>th</sup> August 2024) was a heartfelt initiative where we celebrated Raksha Bandhan with CRPF officers at their base, tying rakhis and expressing gratitude. This event strengthened the bond between civilians and our national protectors.

In Belaku (27<sup>th</sup> September 2024), 15 volunteers visited a school for specially-abled children, engaging them in a Diya painting activity ahead of Diwali. The beautifully decorated Diyas were later distributed to villages, bringing warmth and joy.



Food for Thought (Phase 1: 7<sup>th</sup> - 9<sup>th</sup> October 2024 | Phase 2: 9<sup>th</sup> November and 23<sup>rd</sup> November 2024), our largest fundraising initiative, saw the participation of 339 volunteers setting up food and game stalls. Despite unforeseen challenges, the event raised ₹46,796, which, along with ₹12,000 from our parent Rotary, funded grocery kits for 100 underprivileged families. Each kit contained 5 kg of wheat flour, 1 kg dal, and 1 liter of oil, addressing food insecurity.



Rang De Diwali (27<sup>th</sup> October 2024) brought the festival to a rural village, where 50 volunteers engaged the locals in rangoli competitions, games, and sweet distributions. The event ended with a heartwarming celebration that strengthened our community.



Prabodhan 3.0 (9<sup>th</sup> November - 28<sup>th</sup> December 2024) focused on skill development for underprivileged children at NeedBase Rainbow Home. Conducted over two months, the program engaged 46 students, with volunteers conducting weekly sessions on arts, mathematics, storytelling, and public speaking to enhance confidence and critical thinking.



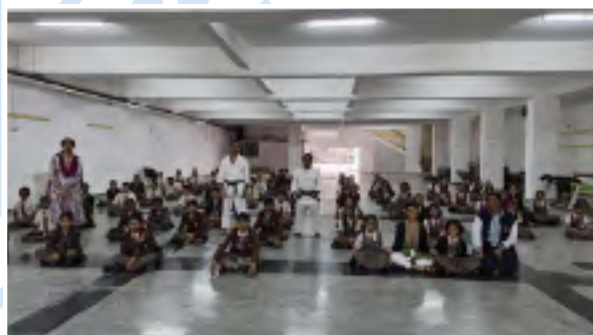
Trek to Educate 2.0 (10<sup>th</sup> November 2024), a large-scale inter-club initiative which was used to donate 175 school bags to students in Mulbagilu. 212 participants from our club took part in this adventurous trek, making it one of our biggest fundraisers.



Pratibha (14<sup>th</sup> September 2024), our flagship event, brought together over 850 government school students for a day filled with cultural and literary competitions. With 150+ volunteers, the event provided a platform for young minds to showcase their talents and aspire for greater educational opportunities.



Veerangana (14<sup>th</sup> December 2024), a self-defense training session, empowered 30+ Rotaractors with essential safety techniques. Conducted by an international-level martial arts champion, the event emphasized self-protection and awareness.



Project Disha (9<sup>th</sup> November and 23<sup>rd</sup> November 2024) allowed 45 volunteers to teach Mathematics and English to students from government schools, bridging gaps in learning and offering mentorship. The program provided college students with a valuable social internship experience while making a difference in children's education.



With a collective effort, our club has successfully impacted thousands of lives through these initiatives. As we move forward, we remain committed to service, growth, and creating lasting change in the community.



# Photo Gallery

A picture is worth a thousand words, and this gallery captures the spirit, smiles, and stories that defined our academic year. From vibrant events and fests to everyday campus life, these snapshots are a tribute to the energy, emotions, and experiences that make our college journey unforgettable.



**Department of Computer Science and Engineering - Faculty**



**Department of Computer Science and Engineering - Final Year Students**



**Department of Computer Science and Engineering - Final Year Students**



**Department of Electronics and Communication Engineering - Faculty**



**Department of Electronics and Communication Engineering-Final Year Students**



**Department of Electronics and Communication Engineering-Final Year Students**



**Department of Mechanical Engineering - Faculty**



**Department of Mechanical Engineering - Final Year Students**



**Department of Electrical and Electronics Engineering-Faculty**



**Department of Electrical and Electronics Engineering - Final Year Students**



**Department of Electronics and Telecommunication Engineering - Faculty**



**Department of Electronics and Telecommunication Engineering - Final Year Students**



**Department of Information Science and Engineering - Faculty**



**Department of Information Science and Engineering - Final Year Students**



**Department of Information Science and Engineering - Final Year Students**



**Department of Information Science and Engineering - Final Year Students**



**Department of Information Science and Engineering - Final Year Students**



**M.Tech in Cyber Security**



**Department of Civil Engineering - Faculty**



**Department of Civil Engineering - Final Year Students**



**Department of Artificial Intelligence and Machine Learning - Faculty**



**Department of Artificial Intelligence and Machine Learning - Final Year Students**



**Department of Computer Science and Business Systems - Faculty**



**Master of Computer Applications (MCA) - Faculty**



**Master of Computer Applications (MCA) - Final Year Students**



**Master of Computer Applications (MCA) - Final Year Students**



**Master of Business Administration (MBA)-Faculty**



**Master of Business Administration (MBA) - Final Year Students**



**Master of Business Administration (MBA) - Final Year Students**



**Department of Chemistry**



**Department of Mathematics**



**Department of Physics**



**Department of Humanities and Social Sciences**



**DEANS**



**Administrative Staff**



**Accounts Staff**



**Central Purchase Department**



**Placement & Higher Education Facilitation Center**



**BMS Innovation Centre and Entrepreneurship Park**



**Research and Consultancy Cell**



**Examination Section**



**E-Cell**



**Building Section**



**Library Staff**



**Cultural Club**



**Institute of Electrical and Electronics Engineers- IEEE Society**



**College Internal Complaint Committee-CICC**



**Gender Champion Cell**



**Women Empowerment Cell**



**Intellectual Property Cell**



**OIKOS-Eco Club**



**AERO Club**



**E-Yantra / Robotics Club**



**National Service Scheme and Youth Red Cross Society**



**Information Technology Solutions**



**Sports Committee**



**Public Relation and Media**



**National Cadet Corps**



**SC/ST Cell**



**Hostel Staff**



**Security Staff**



**Gardening Staff**



**Transportation Staff**



**House Keeping Staff**



**MANTHANA Editorial Committee**



# Articles

This section features a collection of articles penned by both faculty and students, reflecting the intellectual depth and diverse perspectives within our college. From thought-provoking essays and academic reflections to creative expressions and personal experiences, each piece contributes to a rich tapestry of knowledge, curiosity, and inspiration.

# The BatFam – Batman & the Kindergarten Teacher



Ananya Gladys  
ECE 4<sup>th</sup> Sem  
1BY23EC001

The gloom of his black cloak was a stark contrast to the sunflower wallpaper of the room. All the chatter, all the laughs halted. He entered the room, his stature clouding over the children.

"Class, I want everyone to welcome our guest speaker of the day—Mr. Batman," said the kindergarten teacher. The room was quiet. The only sound was that of the fans.

"Hello tiny humans," he said. His voice sounded like gravel. He started talking to us as if we had known him for years.

"I have come here today to speak to the children of Gotham to ensure their safety in this city." He said that if we knew him more personally, we wouldn't be scared of him. So a boy asked, "Why are you wearing a Halloween costume?" Amidst the giggles, he responded that it was for his safety and privacy.

After his talk with the class, as he was about to leave, a young girl called out to him. He knelt down to her level.

She said that her dad had passed away, and he had promised to take her to a carnival. "Ella, do not disturb him," I said.

Bruce looked at me, then at Ella. "I won't be able to come, but I can send a friend. Would that be okay?" "Yes, I love that," said Ella, hugging him.

I pulled him aside and asked why he had promised my daughter such a thing.

"Relax, Louis. I can take you and your kid out for a day. I'm sure your kindergarten class won't mind you bunking teaching for a day."

"Bruce, the only reason I asked you to come here was to show that you don't have to be afraid and that the others need you to be Batman."

He nodded and left.

"Be ready at 10. I'll send in the Audi to pick you."

I was dreading the next day. I woke up and had four cups of coffee. I changed my outfit five times. I was very close to making up an excuse that Ella was sick. The doorbell brought me back to reality.

I went downstairs, took a few deep breaths, and opened the door.

There he was, not in a suit that would make me go bankrupt, but a simple plaid shirt, jeans, and a hat.

"A hat... A HAT! Bruce Wayne is wearing a hat?" I said.

He smiled. "And you aren't covered in crayons for a change."

Ella ran in and introduced herself. "Are you Mr. Batman's friend?"

He picked her up and said, "Yes."

In a few minutes, we were all packed in his car, heading to the carnival. "Thank you for doing this." He didn't respond.

I would have taken Ella myself, but a teacher's salary doesn't suffice, and with my other job, I never have time for myself let alone Ella.

As we entered the carnival, we were immediately greeted by the smell of sweet caramel apples and hot pies. Ella ran into the crowd to see the ponies.

I asked Bruce if it was his first time at a carnival.

"No. I came once with my parents. Never again."  
I didn't ask much after that. I knew it was a touchy topic.

When we went to the games area, Ella wanted to shoot bottles to win a teddy bear. She tried twice but didn't win.

That's when I saw the man had rigged the game stall. Bruce noticed it too.

"I would like to try," he said, and paid the money.  
"Which teddy bear do you want, sweetheart?" he asked.  
"The biggest one!" Ella yelled.

The man explained that Bruce would have to hit all 10 bottles in 10 seconds to win the biggest prize.

He took the gun. The timer started. In a blink of an eye, all 10 bottles were down—with 6 seconds to spare. He slowly pointed the gun at the man's face.

"Did I win now?" he asked, with a death stare.  
The man gulped and, without uttering a word, handed him the prize.

"Here you go, sweetheart. I hope you like it."  
"Like it? I LOVE IT!! Thank you, Mr. Wayne."

That's when, for the first time, I saw Batman smile. His eyes crinkled at the corners and his face lit up as my daughter hugged him.

I had never seen him like this before. I wondered if I was dreaming. We spent the day going from stall to stall, playing games and eating delicious food.

Ella wanted to go on the Ferris wheel. As we were about to enter, we were stopped. Apparently, the kids had a separate little Ferris wheel. I hugged Ella and explained to her that she would have to be a brave girl and go alone.

I watched her get on and reminded myself that I too had to be brave in letting her go. Even though this was just a Ferris wheel, I think about having to let her go in the future, which makes my insides twist.

"We already bought the tickets. Do you want to go to the other Ferris wheel?" I asked. He nodded.

As it slowly moved, I saw the city skyline. The sunset looked like it was melting into the ground. The stars began to shine a little brighter.

Suddenly, the wheel stopped with a big jolt. I braced myself.

"What the hell happened?"

"It appears we are stuck," he said.

I started panicking.

"It's okay. I told them to stop," he said.

"What? Why, Bruce?"  
"I don't know," he said.

I asked him again. "Why did you come today, Bruce? You know you don't have to do all this."

"I just wanted to spend some time with you. I've been thinking of all the people I have lost and how much I miss them. And how I wouldn't do anything about it. But with you... you and Ella... I don't want to regret it. I don't want it to be too late. Louis, I've liked you since the first day we met. I've tried to deny it many times, but I just can't. I may be Batman, the savior of Gotham," I giggle at that, "but even I... I might be...the protector of Gotham," he continued, "but all I find myself wanting to protect is you and Ella." Time stood still.

Everything faded except the intensity in his eyes.

"Would you... go out to dinner with me sometime?" he asked.

I stared at him, heart racing. He'd always been kind, but I'd assumed he was just another billionaire in a mask. Then I thought of Ella how gently he held her, how quietly he cared for me when no one else did.

And in that moment, I knew.

"Yes," I whispered, my voice shaking. "I'd love to."

Right then, the lights dimmed, and fireworks burst across the sky—gold, crimson, sapphire lighting up the night. I looked at him, wide-eyed.

"Did you... plan that?"

He smiled, soft and real. "No. Just perfect timing." I laughed.

And under that glowing sky, with fireworks blazing above, we stood together smiling, hearts wide open, the night finally ours.

# Gold: The Everlasting Asset



**YASHWANTH T H**  
**EEE 8<sup>th</sup> Sem**  
**1BY21EE051**

Gold has many names—Gold, Swarna, Bangaara (ಬಂಗಾರ) —but its significance remains the same across cultures.

Why is gold important? Why does it hold immense value even today? How does it impact global economics? Why do experts consider it a great investment? Should we develop the habit of buying gold whenever we have surplus money, or are there better alternatives?

In this article, we will explore these questions and understand the role of gold in wealth preservation.

## THE SIGNIFICANCE OF GOLD

As human civilization evolved, trade in various goods and services—such as agricultural products, textiles, and metals—began shaping economies. Initially, people exchanged goods through the barter system. However, this system had a major flaw: there was no standard way to determine the fair value of goods.

To solve this issue, societies developed a common medium of exchange called currency, allowing for accurate valuations and smoother transactions. This shift marked the birth of trade, a more refined version of bartering where goods and services were exchanged using currency instead of direct swaps.

As trade expanded, the need for a universally accepted currency became evident.

An ideal currency needed to possess the following qualities:

- **Rarity** – It should not be easily available.
- **Durability** – It should not decay or degrade over time.
- **Malleability** – It should be easy to shape into coins or bars.
- **Universality** – It should be recognizable and accepted worldwide.

With its rarity, durability, and universal value, gold emerged as the ideal standard for currency, laying the foundation for global trade. Over time, civilizations across the world adopted gold as a store of value. Ancient coins were minted in gold, and even today, it remains a crucial asset in global economies.

## GOLD'S ROLE IN THE GLOBAL ECONOMY

For centuries, economies relied on the gold standard, where paper currency was backed by an equivalent value in gold. This system ensured economic stability.

However, with the rise of modern banking and fiat currency (paper money without intrinsic value, but backed by a government), economies moved away from the gold standard. Yet, gold remained the ultimate asset to turn to during financial crises.

## WHY GOLD HOLDS VALUE AGAINST INFLATION:

When inflation rises, the purchasing power of paper currency decreases. However, gold retains its intrinsic value due to global demand and liquidity. Unlike paper currency, which loses value over time, gold prices increase to compensate for inflation.

In India, gold has traditionally been viewed as a form of savings rather than an investment. Unlike stocks or bonds, gold is considered a fundamental asset—a universal currency that never loses its intrinsic worth.

Even today, whenever there is global uncertainty due to war, pandemics, or geopolitical tensions, gold prices surge. Investors buy gold to hedge their portfolios, making it a key asset during economic downturns. Additionally, gold is often used to hedge against rising oil prices, which impact global trade.

## WHY DO EXPERTS RECOMMEND INVESTING IN GOLD?

Financial advisors recommend gold for wealth preservation due to its unique qualities:

- Safe Haven Asset – Even during wars, economic crises, or recessions, gold holds its value.
- Inflation Hedge – As currency depreciates due to inflation, gold prices tend to rise.
- Liquidity – Gold can be easily bought and sold worldwide.
- No Counterparty Risk – Unlike stocks and bonds, gold's value does not depend on an institution's performance.

Even in times of economic downturn, gold remains stable. Historically, as inflation rises, gold prices surge, making it a reliable store of value.

## WHY NOT OTHER METALS?

A common question arises: If gold is so valuable, why not other metals like silver or copper?

While other metals have been used as currency, they have drawbacks:

- Silver – More abundant and prone to tarnishing, making it a secondary currency.
- Copper & Bronze – Corrosive and too common to serve as a reliable store of value.

Gold, on the other hand, strikes the perfect balance—it is rare enough to be valuable but abundant enough to meet market demands.

## SHOULD WE INVEST IN GOLD WHENEVER WE HAVE SURPLUS MONEY?

This depends on financial goals. While gold helps preserve wealth against inflation, it does not significantly grow wealth. Gold prices fluctuate within a limited range, making it ideal for short-term wealth preservation rather than long-term asset growth. For those seeking higher returns, investing in stocks, bonds, or mutual funds may be better.

That said, gold serves as a hedge against market crashes and economic downturns (Remember? earlier we saw it being used as hedge for investments).

A well-balanced investment strategy often includes gold along with other assets. A Registered Financial adviser would provide better investment strategy, here we are just seeing these as examples to understand nature of gold.

## BETTER WAYS TO INVEST IN GOLD

While physical gold has advantages, it comes with risks such as theft and storage costs. Instead of holding physical gold, smarter alternatives include:

- Gold ETFs (Exchange-Traded Funds) – Allows investors to own gold without physically possessing it.
- Commodity Markets – Gold can be traded like other commodities on stock exchanges.
- Sovereign Gold Bonds (SGBs) – Issued by the RBI in India, these offer:

Government-backed bonds for gold investments (8-year tenure, in multiple of 1 gram). Additional 2–3% annual interest on investment. The option to use them as collateral for loans. The drawbacks of SGBs are: Due to high inflation in India, gold has grown at a CAGR of 10–11%, nearly tripling in value over the last decade. This unexpected growth has created a financial burden for the government at maturity, prompting them to consider alternative solutions. Despite this, SGBs remain an excellent investment option, combining gold's value retention with fixed-income benefits. If the government continues the scheme, it could be one of the best ways to invest in gold.

## CONCLUSION :

Gold has played a fundamental role in human civilization for centuries. It has withstood financial crises, economic collapses, and wars, proving to be the ultimate store of value.

Understanding gold's power is crucial for financial planning. While it may not provide exponential growth, it offers stability, security, and a hedge against inflation.

A well-diversified portfolio should include gold alongside other investments.

If you find this article insightful, consider sharing it with others!

**JAI HIND, JAI KARNATAKA!**

# Sanskrit shapes Modern Science and Mathematics



Monika B K  
Research Scholar - Physics  
1BY20PPY03

## HOW SANSKRIT LITERATURE SHAPES MODERN SCIENCE AND MATHEMATICS

### INTRODUCTION :

Sanskrit literature has been a cornerstone of Indian knowledge system shaping intellectual, philosophical, scientific and artistic realms over millennia. Some people think that Sanskrit text consist of only religious things but it's not true, ancient Indian sages have done a lot of scientific researches. It is the language of the most ancient Indian scriptures belonging to various faiths. Sanskrit is a spiritual language. Owing to these reasons, the description is very popular, like as old as the hills, that Sanskrit is the language of divinity, language of Gods. It is a language of classical literature, rich and abundant. This article explores its profound significance in contributions to various scientific disciplines including science, mathematics, astronomy, medicine, metallurgy, economics, rhetoric, logic and several arts, namely music, dance, painting, sculpture, architecture, etc. and this also talks about science in Sanskrit text with examples along with book references.

Sanskrit texts were the first to describe many important scientific and mathematical concepts. In short we can say, Sanskrit is the key of all Indian ancient knowledge. For example,

- **Agastya samhita** : This book is a compilation of work of sage Agastya which describes about the electricity generation. One of the shlokas in this book says 'lumps of gems generate electricity by the union of copper and zinc'. So, sage Agastya knows how to generate electricity much before when western world have invented it.
- **Yuktikalpataru by Bhoja** : In this book, Bhoja Raja talks about ancient ship building. He says that no iron should be used in joining the planks in the bottom of a ship. This exposes the ship to the influence of magnetic rocks in the sea, brings it within the magnetic field leading to its sinking.
- **Vaimanika shashtra by Maharshi Bharadwaja** : This is also called 'Science of Aeronautics'. In this book, the writer describes about the machines which can fly. Shivkar Bapuji Talpade (1864-1916) constructed the first unnamed aircraft in 1895. It is 10 years before Wright brothers have invented an aeroplane.
- **Pingala** : He presents the first ever known description of Binary numeral system. His discussion of the combinatorics of meter, corresponds to the binomial theorem. His work also contains the basic idea of Fibonacci number (called Maatrameru).

- **Ancient Indian Chemistry** : Nagarjuna, Vagbhata, Govindacharya, Yashodhara, Ramchandra, Somadeva are one of the scientists or sages who invented so many things in Ancient Indian Chemistry and have written many books. They discussed about Metallurgy, pharmacy, medicinal properties of elements. From this, we can say that there was a deep knowledge of chemistry in ancient India.
- **Baudhayana Sulabhasutra** : What is known as Pythagoras theorem today is already found in Baudhayana's Sulabhasutra, which was written several years before the age of Pythagoras. He has also discovered the value of Pi.
- **Bhaskaracharya** : He was the leading light of 12<sup>th</sup> century. He was born at Bijapur, Karnataka. He is famous for his book, Siddhanta Shiromani. It is divided into four sections – Leelavati (Arithmetic), Beejaganita (Algebra), Goladhyaya (Sphere) and Grahaganita (Mathematics of planets). Bhaskaracharya introduced Chakrawat method or Cyclic method to solve algebraic equations. This method was rediscovered six centuries later by European mathematicians, who called it Inverse cycle. In the 19<sup>th</sup> century, an English man, James Taylor translated Leelavati into English and made this great work known to the world.
- **Kanad** : He was a 6<sup>th</sup> century scientist of Vaisheshika school, one of the six systems of Indian philosophy. His original name is Aulukya. He got the name Kanad, because even as a child, he was interested in very minute particles called 'kana'. His atomic theory can be a match to any modern atomic theory. According to him, material universe is made up of kanas, (anu/atom) which cannot be seen through naked eyes. These cannot be further subdivided. Thus they are indivisible and indestructible.
- **Sushruta** : He was a pioneer in the field of surgery. He is considered as 'the highest division of the healing arts and least liable to fallacy'. He studied human anatomy with the help of a dead body. In Sushruta Samhita, over 1100 diseases are mentioned including fevers of twenty six kinds, jaundice of eight kinds and urinary complaints of twenty kinds. Over 760 plants are described. All parts, roots, bark, juice, resin, flowers, etc. were used. Cinnamon, sesame, peppers, cardamom, ginger are household remedies even today.
- In Astronomy, Aryabhata in his book Aryabhatiya, written in Sanskrit presented a mathematical system that postulated that the earth rotated on its axis.
- Additionally, "Vastusastra" is also an ancient Sanskrit manuals of architecture, which is widely used even now-a-days by astrologers to see 'vaastu' when constructing the houses, temples, etc. with corresponding plot of land.

## CONCLUSION :

In the exploration of the significance of Sanskrit literature in shaping the Indian knowledge system, we have embarked on a journey through the corridors of time, uncovering the profound influence of this ancient language on diverse facets of Indian civilization, like its contributions in science and technology, mathematics and arts, etc.

Sanskrit literature stands as a testament to the intellectual and cultural richness of India.

# The Rare Giver in a World of Trade



R VENKATESH  
ETE 8<sup>th</sup> Sem  
1BY21ET033

In a world where most people give only to receive, true selflessness is rare. Among 100 people, 99 follow the rule of "tit for tat," helping only when they expect something in return. But the 100th person is different.

This person gives without expecting anything back—not because they must, but because they choose to. In a cycle where everyone trades favors, the last act of giving stands out as pure and genuine.

Real kindness isn't about receiving; it's about giving even when no one is watching.

## Small Creations, Big Lessons

This handcrafted model reminds us that progress doesn't always mean complexity.

Traditional water systems, powered by nature and animals, were simple yet effective.

In a world chasing modern solutions, we must not forget the wisdom hidden in simplicity. Sometimes, the past holds the answers to a sustainable future.



## Life: A Folded Masterpiece

Like a single sheet of paper, if we remain rigid, we stay ordinary. But when we embrace flexibility, bending without breaking, reshaping without losing our essence, we unlock new potential. Life isn't about staying in one form, it's about evolving with every challenge and opportunity. Be like paper - adapt, transform, and create something extraordinary!

# "ಮಾತೃನುಡಿ ನಮನ"



By Dr. Saritha I G  
Faculty, Department of ETE

ನಮ್ಮ ಕನ್ನಡಕ್ಕೆ ಎರಡೂವರೆ ಸಾವಿರದ ಇತಿಹಾಸವಿದೆ. ಅತೀ ಶ್ರೀಮಂತ ಸಾಹಿತ್ಯ ಸಂಪ್ರದಾಯದೊಂದಿಗೆ ನಾಲ್ಕನೆಯ ಶತಮಾನದ ಹಿಂದಿನಿಂದಲೂ ಲಿಖಿತ ಮತ್ತು ಪರೋಕ್ಷ ದಾಖಲೆಗಳಿವೆ . ಆದರದಲ್ಲೂ ಮತ್ತು ಉದಾರದಲ್ಲೂ ಸಹೋದರ ಭಾಷೆಗಳಿಗೂ ಆದ್ಯತೆ ಕೊಡುವ ಮನಸಿನೊಂದಿಗೆ ಶ್ರೇಷ್ಠತೆಯನ್ನು ಉಳಿಸಿ ಕೊಂಡ ಹೆಮ್ಮೆ ಕನ್ನಡಿಗರದಾಗಿದೆ.

ನಮ್ಮ ಬಹುತೇಕ ಕನ್ನಡಿಗರು ತಮ್ಮ ಹೃದಯದಲ್ಲಿ ಕನ್ನಡದ ಬಗ್ಗೆ ಕಾಳಜಿ ಇದ್ದರೂ ಇತರ ಭಾಷೆಯ ಜನರನ್ನು ಮತ್ತು ಅವರ ಭಾಷೆಯನ್ನು ಗೌರವಿಸುವುದು ಕನ್ನಡಿಗರ ಹಿರಿಮೆಯಾಗಿದೆ , ಅದಕ್ಕಾಗಿ ನಮ್ಮ ಕನ್ನಡಿಗರು ಇತರರಿಗೆ ಕನ್ನಡ ಬರದೆ ಇರುವರೊಂದಿಗೆ ಅವರ ಭಾಷೆಯಲ್ಲೇ ಸಂವಹನ ಮಾಡುವುದು ವಾಡಿಕೆಯಾಗಿದೆ. ನಮ್ಮ ಕನ್ನಡವು ಜೀವಂತ ಭಾಷೆ , ಇದಕ್ಕೆ ಅದರದೇ ಆದ ಲಿಪಿ ಇದೆ, ಯಾವುದೇ ಎರವಲು ಪಡೆಯದೆ ಗುಣಮಟ್ಟದ ಕನ್ನಡ ವರ್ಣಮಾಲೆಯನ್ನು ಉಚ್ಚರಿಸಲು ಅಗತ್ಯವಿರುವಷ್ಟು ಅಕ್ಷರಗಳನ್ನು ಶಬ್ದಕೋಶದಲ್ಲಿ ಅಡಗಿಸಿಕೊಂಡಿದೆ.

ನಮ್ಮ ಮುದ್ದಾದ ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಉಳಿಸಿಕೊಳ್ಳುವಲ್ಲಿ ಕನ್ನಡಿಗರ ಪಾತ್ರ ಹೆಚ್ಚಿನದಾಗಿದೆ. ನಾವು ಮುಂದಿನ ಪೀಳಿಗೆಗೆ ಕನ್ನಡ ಭಾಷೆಯ ಇತಿಹಾಸ ಮತ್ತು ಪ್ರಾಮುಖ್ಯತೆಯನ್ನು ತಿಳಿಸಿಕೊಡಬೇಕಾಗಿದೆ. ನಮ್ಮ ಮುಂದಿನ ಪೀಳಿಗೆಯು ಕನ್ನಡ ಭಾಷೆಯನ್ನು ಮರೆಯದಂತೆ , ಅವರಿಗೆ ತಿಳಿ ಹೇಳಬೇಕಾಗಿದೆ.

ಕನ್ನಡ ದಿನಪತ್ರಿಕೆ , ವಾರಪತ್ರಿಕೆ , ಮಾಸಿಕಗಳು , ಕಾದಂಬರಿ ಹಾಗೂ ಸಾಹಿತ್ಯ ಕೃತಿಗಳನ್ನು ಕೊಂಡು ಓದುವುದರಿಂದ ಪತ್ರಕರ್ತರಿಗೆ ಮತ್ತು ಸಾಹಿತಿಗಳಿಗೆ ಪ್ರೋತ್ಸಾಹ ಸಿಗುವುದರ ಜೊತೆಗೆ ನಮ್ಮ ಭಾಷೆಯಲ್ಲಿ ಸುಧಾರಣೆ ಕಾಣಲಿದೆ.

ಪರಭಾಷಿಕರು ನಮ್ಮಲ್ಲಿ ಬಂದಾಗ ಅವರೊಡನೆ ಅವರ ಭಾಷೆಯಲ್ಲಿ ಸಂವಹನ ಮಾಡುವ ಬದಲು, ಅವರಿಗೂ ಕನ್ನಡ ಭಾಷೆ ಕಲಿಸಿ ಕೊಟ್ಟು ಅದರ ಮೌಲ್ಯ ತಿಳಿಸಿಕೊಟ್ಟು ಹೆಮ್ಮೆ ನಮ್ಮದಾಗುವುದು.

ನಾಡಿನ ಬಹು ರಾಷ್ಟ್ರೀಯ ಸಂಸ್ಥೆಗಳು , ಕನ್ನಡಿಗರಿಗೆ ಪ್ರಾಧಾನ್ಯತೆ ನೀಡುವುದರಿಂದ ಕನ್ನಡಿಗರನ್ನು ಬೆಳೆಸಿದಂತಾಗುವುದು. ಶಾಲೆಗಳು ,

ಸಂಘಸಂಸ್ಥೆಗಳು ಮತ್ತು ಕಛೇರಿಗಳಲ್ಲಿ ಆಂಗ್ಲ ಭಾಷೆಯಲ್ಲಿ ಮಾತನಾಡುವವರಿಗೆ ಆದ್ಯತೆ ಹೆಚ್ಚು , ಕನ್ನಡದಲ್ಲಿ ಮಾತನಾಡುವವರನ್ನು ಕೆಳಮಟ್ಟದಲ್ಲಿ ನೋಡುವುದು ಸಹಜ. ಈ ರೀತಿಯ ವಿಮರ್ಶಕರು ಇರುವವರೆಗೂ ಕನ್ನಡದ ಬೆಳವಣಿಗೆ ಸೊರಗುತ್ತದೆ. ಮನೆ-ಮನದಲ್ಲಿ ಮಾತೃಭಾಷೆಯ ಬಗ್ಗೆ ಪ್ರೀತಿ ಮತ್ತು ಆದರ ಇದ್ದಾಗ ಮಾತ್ರ ಕನ್ನಡದ ನಾದ ಮೊಳಗಿಸಿದಂತಾಗುವುದು , ಶ್ರೀಗಂಧದ ಸುವಾಸನೆ ಪಸರಿಸುವುದು.

ಸಿರಿಗನ್ನಡಂ ಗೆಲ್ಲಿ ಸಿರಿಗನ್ನಡಂ ಬಾಳ್ಗೆ .ಜೈ ಭುವನೇಶ್ವರಿ🙏

ಡಾ . ಸರಿತಾ ಐ ಜಿ

# The War You Never Signed Up For



**SIDDHARTH SHARMA**  
ECE 6<sup>th</sup> Sem  
1BY22EC102

You wake up already bleeding. The alarm clock detonates like incoming fire. The mirror shows a soldier you barely recognize—eyes hollow, armor cracked. But the battlefield doesn't care if you're exhausted. Life moves forward, relentless and indifferent.

They'll preach about "finding balance." Ignore them. Balance is a fairy tale told by people who've never crawled through the trenches. Debt, betrayal, failure—these aren't just obstacles. They're enemy lines, and you don't get the luxury of peace talks. Your only choices: dig in or be buried.

Victory isn't about courage. It's about defiance. The kind that keeps a single mother pushing through double shifts, hands blistered but resolve unshaken. The kind that makes a bankrupt entrepreneur rebuild from ashes. Wars aren't won by heroes. They're won by those too furious to fall.

Fairness is a myth. The universe doesn't owe you justice. You'll take hits meant for someone else, carry wounds from battles you never picked. Keep moving. Every scar is proof that something tried to destroy you—and failed.

How to Fight:

1. Discomfort is your training ground. Easy roads lead nowhere. Learn to thrive in the dark.
2. Know your enemies. Fear is a master of disguise. Study its tactics.
3. Burn the escape routes. No surrender. Every breath is an act of defiance.

There's no ceasefire. No applause for surviving. But one day, you'll stand atop the wreckage, look down at the battlefield, and realize: You were the prize worth fighting for all along.

Don't forget that the only purpose is to win the war. Now pick up your weapon. The war is everywhere.

# A Reality Check



**Varun Arvind**  
**ISE 6<sup>th</sup> Sem**  
**1BY22IS188**

It was the year 2050. Technology had advanced by leaps and bounds, to say the least. Quantum computers and supercomputers flooded the market. Each and every child, unless born into an immeasurably poor family, owned a smartphone. Babies no longer craved for toys, all they needed was a mobile phone. Robots were all over the place. In fact, a family that did not possess a robot at home, was looked down upon.

As you can imagine, teenagers carried laptops or iPads in their bags. Teachers were seldom human beings; many a robot had been trained to effectively replace teachers.

A different robotic teacher had entered Rohan's classroom that day. Rohan had initially not thought much about it, but as the teacher started to teach the lesson, he realized with dismay that the teacher was a human being!

The teacher was definitely in his fifties, not far from retirement. 'Okay, class!', he called out. 'Let's make this hour an interesting one. Let's have an elocution competition.'

The whole class groaned. They hated having to speak on stage. That was one of the very few things that had never changed in the last few decades. 'It will be fun!', the teacher promised. 'The topic is... The Most Realistic Thing You Have Ever Come Across!'

Everyone immediately got started with the task at hand. All the students got down to browsing the Internet at top speed, courtesy ChatGPT, or rather, its 2050 equivalent.

Once they had managed to get ideas, they started preparing speeches for themselves and quiet whispers of rehearsals formed the backdrop of the nervous atmosphere.

At last, the teacher signalled the start of the competition and each student slowly made his/her way to the stage, proceeded to speak what they had planned to speak (more or less!) and then went back to their seats, their faces enveloped in visible relief.

Finally, it was Rohan's turn. He walked smartly up to the stage. He held something up for the class to see. 'Friends!', said he. 'According to my uncle, this object in my hand was worth a fortune in a recent auction. He's gifted it to me. It is known as a book.' Everyone looked at the "book" intently. 'While it may be out of fashion', he continued. 'I think nothing in this world can ever get more real than a book. In fact, I bet most of us had prepared for our respective speeches by making use of the Notes app in our smart computers. I would like to confess that I wrote my speech on a piece of paper.'

The whole class gasped. This was indeed something extraordinary. E-books were still available in the market in a few antique shops, which were only set foot in by the old men and women belonging to the 1970s and the 1980s. But this was unbelievable. It was crazy! They had never really seen a physical, hardbound book in their lives. And here was a guy who had used a book as the medium for writing out his speech. It was like being in a strange dream.

'I think, for most purposes, the usage of digital media is the way to go. But, when it comes to works of art, which previously used physical paintbrushes for creation as well as content to be delivered to an audience... all these things are most successful when we take inspiration from our ancestors and do what they did. Also, the flow of thoughts could be better captured by using paper as a means of recording their thoughts.'

He paused. 'While I know most of us would argue that the flow of thoughts can be equally captured on digital media at the same speed, I feel books make the whole process even more enjoyable. Hence, without the shadow of a doubt, books are the most realistic things on Earth.'

Everyone clapped, including the teacher. They had been advised to check out something new that day.

This story leaves us with a question: Do we really want the concept of books, in their physical form, to be lost forever, as the newer generations

MAKE THEIR APPEARANCE ON THIS PLANET?  
FOOD FOR THOUGHT....

# Is pain a blessing ?



**Ronith Sunny**  
MCA 4<sup>th</sup> Sem  
1BY22MC041

Is pain real ? Is suffering inevitable? Although, there is no perfect answer for these questions, but still we get to know much about pain and suffering if only we have experienced them in our lives.

All of us talk much about pain. But what is pain ? Is it an imp ? No. Not Really! Is it poison ? No. Definitely not! Then, after all, what exactly is pain ? Will the answer to this question be a mystery forever ? Well, in order to not dwell much into the mystery of the depths of pain, we can simply say that pain is a state of suffering. And it is real.

Daily we come across many people who don't have a home to live. They sleep on footpaths and they live without their families. Moreover, we see people with cancers, OCDs, epilepsies and so on. All of these people go through some form of mental, physical and emotional suffering. "However, that begs the question, 'Where is life in the midst of all these sufferings ?'" Can we ever find joy in our sufferings ? The answer is both yes and no. I will explain this with an example. A patient with stage IV lung cancer comes to meet his doctor.

He tells his doctor that his whole body is in pain, from head to toe. He further requests his doctor to pray to God for him, so that God will take away all his pain. But the doctor refused, saying 'no'. The patient reacts and asks his doctor as to why he said no. To this the doctor replied, "You are alive because you experience pain in your body." If you don't feel any pain, it means that you are dead. Only a dead person experiences no pain, even if you punch him. So then, shall I pray to God to take away all your pain ? You will not feel any pain in your body anymore. The patient dejectedly replies 'no'.

The moral of the story is that pain is inevitable, but suffering is optional. No one in this world can escape pain, either in the form of grief or in the form of a disease or through an injury, pain reveals itself to us. And it is our choice to make the sufferings caused by our pain either sweet or bitter. In all our pain and sufferings, we must completely trust in God, for there is nothing permanent in this world, not even our troubles. We must always pray to God, "Let it be blessed." For this is the solution to all our problems.

# The Procrastinator's Guide to Winning the Time Game



Omkar Jadhav  
MCA 4<sup>th</sup> Sem  
1BY23MC058

Let us start with what really is procrastination:

## WHAT IS PROCRASTINATION?

It's the art of skipping the most important stuff (without deadlines) and performing or doing work with the least importance or having fun, with a conscience of wasting time. So, basically, enjoying while feeling guilty. Sound fun, right?

Yeah, this is what procrastinating means...

"Who hasn't promised to start studying tomorrow, only for 'tomorrow' to never come?"

This is one of the key skills I and many of you have mastered (be proud). All the students are consistent with this. Let us take an example to prove it to you: skipping your assignments to the last minute or close enough until it comes to your throat and you're panicking. That's what a classic procrastinator feels like.

Now that you have understood what this Procrastination Monster is, this article will discuss more about procrastination and how to overcome it.

Procrastination isn't just about delaying work; it's the art of enjoying fun tasks instead of focusing on the important ones that truly matter in our lives. Procrastination also included having heavenly questioning ability with yourself, like is this work even worth it, what's life, how can I be a millionaire, is this degree worth it. All are the thoughts of a master procrastinator.

It's basically your brain enjoying leisure and fun tasks, rather than hard work.

"Ever been caught in a procrastination loop where you just can't stop scrolling through memes?"

## WHY DO WE PROCRASTINATE?

Perfectionism - every human wants to be perfect from the get-go (sounds impossible but who's gonna tell that to our brain). The process to perfection starts from making childish mistakes. So yeah start something before trying to master that thing.

Delay - let's enjoy today, will double the work tomorrow, these kinda things also don't work. But we always think, resting and maybe we will do it tomorrow, that tomorrow never comes.

## **HOW TO OVERCOME PROCRASTINATION?**

- Todo list - sounds funny right. But nah it does work. My suggestion would be to make a book/journal stuff like that and start to follow a to-do list, try to write 5 things that are easy to finish, once consistency grows up, you can gradually increase the intensity. That worked for me.(It will work for you too).
- Break a task - have a huge task on hand, break it into smaller breakable parts, such that you can at least do half. Sound possible for each and every task right?
- Reward - Reward means after you finish a hard task, treat yourself without guilt, like watching reels or stuff.
- Forgive - let's say you did waste time, what good will happen by bad-mouthing yourself. Better forgive yourself and kinda make the promise not to do it again.

## **CONCLUSION**

I know reading this article was hassle enough. I guess you need a break, your work can wait for tomorrow, right? Hell nah, start now master procrastinator. The best way to defeat procrastination? Just start. Because once you do, you'll wonder why you didn't do it sooner.

"JUST DO IT" - Omkar

# Problem with our education system



**Disha G R**  
**CSE 2<sup>th</sup> Sem**  
**1BY24CS080**

The Indian education system, while producing some of the world's brightest minds, faces several critical challenges that hinder students' holistic development. The outdated curriculum often emphasizes repetition learning over practical skills, making graduates unprepared for real-world challenges. Parents, driven by societal expectations, put immense pressure on children to pursue conventional career paths like engineering and medicine leaving their kids with no other option to think about, limiting their freedom to explore diverse interests. The lack of alternative education and career options further forces students into a confined framework, amplifying stress level of a student. This harsh academic pressure, particularly around highly competitive entrance exams, has led to alarming rates of student suicides, exposing the dark side of an education system that prioritizes ranks over well-being. Alarming the urgency needed to create a more inclusive, flexible, and supportive learning environment.

The Indian school curriculum is outdated and focuses too much on memorization instead of practical learning. It does not teach important skills like problem-solving and creativity. Students learn mostly from old textbooks that do not meet the needs of the future. The system has harsh expectation that all students perform well, without considering their different interests. Due to this, education has become more about getting marks than gaining real knowledge. Our education system is in a race of making students into printing machine and Robert factories.

Students have very limited exposure to research and unconventional career options. Schools mostly focus on traditional fields like engineering and medicine. Ignoring careers in research, arts, and other creative fields. There is little encouragement for innovation, and students rarely get hands-on experience in research.

Because of lack of awareness and guidance given to young minds, many students don't even consider these paths due to fear of being judged by the society. Which is hindering the students explore their true potential.

Many countries have better education systems than India because they focus on skill development, creativity, and practical learning. Countries like Finland, Germany, and the USA encourage critical thinking instead of repeated memorization or byhearting things. How China has an advanced teaching. They offer flexible subject choices, allowing students to explore their interests. Schools provide hands-on experience, research opportunities, and mental health support to reduce stress. In contrast, India's system puts extreme pressure on students with tough exams and limited career options.

According to ASER 2023 'Beyond basics' report majority of the students aspire to see themselves only in certain conventional fields. This may be also the result of how our media fantasize certain fields in education. In the year 2024 alone 24 lakh students gave NEET in which about 1,09,170 students were only allotted with MBBS seats. In past 8 years 22 crore people in India applied in government sectors among which 7.22 lakh were selected this brief us about the lack of opportunity. According to IC3 report published in the year 2022 says about 13,044 students have committed suicide. This may be due to extreme academic pressure, societal expectations, fear of failure, lack of career options, and inadequate mental health support.

While the Indian education system faces several challenges, there is great potential for positive change. By updating the curriculum, reducing exam pressure, and providing more career options.

**"EDUCATE TO INNOVATE, NOT JUST TO MEMORIZE – A BRIGHTER FUTURE STARTS WITH BETTER LEARNING!"**

# When Gilgamesh Tore Down Hustle Culture



Chistraj Singh  
CSE 2<sup>th</sup> Sem  
1TE24CS096



Enkidu and Gilgamesh killing the Heavenly Bull

Gilgamesh the King of Sumerian city of Uruk ruled over the city-state in its finest days.

All was peaceful and life was glorious. But what king, entrepreneur, or conqueror is ever satisfied?

So, King Gilgamesh abandoned his throne and set out on a quest of fame and glory with his best friend, Enkidu.

However, even after their success in defeating the forest guardian Humbaba, Enkidu falls sick and dies, seeing which Gilgamesh is terrified and gets a reality check of his own mortality.

My friend, whom I love so dear,  
Who with me went through  
Every danger, my friend Enkidu,  
Whom I love so dear, who went  
With me through every danger:

The doom of mortals overtook him  
And seven nights. I did not  
Surrender his body for burial,  
Until a maggot dropped from  
His nostril.

For his friend Enkidu Gilgamesh

Did bitterly weep as he  
Wandered the wild: 'I shall die,  
And shall I not be as

Enkidu? Sorrow has entered my heart!'

'I am afraid of death, so I  
Wander the wild to find Uta-  
Napishti, son of Ubar-Tutu

So, what do you think he did?

He sets off on a journey to find the secret of Eternal life. He abandoned his humanity and devolves into beastly form; running through the wild, killing lions and drinking water from ground.

Once a proud and noble king, Gilgamesh became a wretch obsessed with MORE.

He ran away from his wealth, accomplishment and peace with the false promise that there was more on the other side—perhaps then and only then could he truly enjoy life.

No one at all sees death, no  
One at all sees the face of  
Death, no one at all hear the  
Voice of Death, Death so  
Savage, who hacks down men

Hustle culture sells us the same lies. We need to be happy. You need to work harder, to stock capital, to buy more, to achieve more and only then can you rest your foot of the pedal and start to enjoy life's pleasure.

I'll enjoy life when I get rich. Why not enjoy it regardless? If you can't appreciate a weekend trip, a sunny day, or a warm cup of tea right now, what changes when your wallet is a million dollars heavier and you have an extra title on your resume?

I'll enjoy life when I have more time." When will that be? When you have the weight of fourteen assignments to crush your back? When you have kids crying your name every few minutes? When your bones are worn and creaky? One hour in the present is worth more than one hour in the future because it has greater potential, so spend them freely while you can. As Aldo Leopold said 'we should not relegate our happiness to heaven, for one may never get there."

Don't get it wrong though—ambition is beautiful, but nonetheless, we can't let it become an ever-hungry beast which obsesses over the next milestone before the high of the first has passed.

After his failure to find immortality, a more mature Gilgamesh returns to Uruk. He cleans the grime from his skin, dons the royal robes, and finds solace in the mightiness of his city's walls. This was his present and his peace. Like King Gilgamesh, we tend to see the pointlessness in our hustle-struggle only after we are neck-deep into it, as we trade our social life and happiness for the faint promise of something extra.

Only once we replace the rotten hustle with healthy ambition can we finally live for life itself, unburdened by the pressure to chase an illusion that the internet made you worship.

# How self-help book poisoned your reading



Chistraj Singh  
CSE 2<sup>th</sup> Sem  
1TE24CS096



Self help books come with an ugly side effect, one veiled with good intentions, but that will inevitably sabotage your reading when you try to move out from this swollen genre.

Nowadays, self-help books are where many of us are starting out which makes it an even bigger cause of alarm.

This creates a risk that you read book after book only to absorb the same handful of points about time management, productivity or whatever corporate resume-filler trait you want next. It is a never-ending cycle.

What actually happens is you find yourself hunting for pleasure in next book and then the next and yet nothing changes. You forget the self-part of self-help and the illusion of growth (or daydreaming) steals your attention from actual growth.

Thankfully some people in the self-help community discovered procrastination and found the answer to this endless loop and that was to apply what you learn.

This means you scour through books pages for "lessons" or "practical step". These will break you free.

These are your last hope to beat other losers and claw your way up the procrastination pit. And it works. You become healthy, wealthy, and happy-how can you not after reading so much. However, it only works until you stop reading self-help.

You see, with the mindset 'Books are useless unless you use them in real life' we have reduced literature to its lowest level. What was once a grand epic that explores the danger of pride and wrath is now.... advice on how not to get angry.

Worst of all, you completely miss the point; if all that Animal Farm taught us was that 'power corrupts' we'd be bored out of our minds- a hundred other books carry the same message, but Animal Farm is unique because it's a more precise critique of Stalinism and betrayal of socialistic values.

Practical advice is always useful. Every book, no matter how high in the literature ladder, no matter how 'deep' in its thought has something to offer for how we carry ourselves in life.

A raw utilitarian approach to a practical book makes total sense that's what it exists for, to help you do something beyond the last page. toned-down version of that approach still works in other books.

What we should avoid is a purely practical approach, where we're left skimming the surface of the book while blinding ourselves to the depth it has to offer.

Many of literature's masterpieces have no practical advice at all, and yet capture a part of the human condition better than any guidebook ever could. Other books share a philosophy far too broad for any practical bullet points to sum up; Nietzsche, Kafka, McCarthy, many of their cornerstone works cannot be confined to the idea of a practical point. Some books exist purely as art, to make you reflect over an idea without necessarily declaring what is right or wrong, or what you're supposed to do next-poetry comes to mind.

Embrace practical points when they come, but do not be limited by them: reflect, imagine, get immersed because for most genres that is where the magic awaits you. That is where the pulse of the book will touch. That is where you will be changed.

It might be hypocritical to say this now but self help gets too much hate as a genre. Seriously, I mean it. Sure, we shit on it all the time, and rightfully so but still, it's where many of us began, and if it gets people to pick up book in the first place, then it has a place in the bookstore. Barely anyone reads in the modern age, so if its acts like a gateway for entry then we should celebrate it.

# ಮೊದಲ ಪಯಣ



Rajashekar M  
Alumni- EEE  
1BY15EE407

ಹೊಸ ಆರಂಭದ ಮೊದಲ ಪಯಣ ,  
ಹಳೆ ನೋವಿನ ತೂಕದಲ್ಲಿ ಮೊದಲ ಪಯಣ ,  
ಮರೆಯಲಾಗದ ಪಟ್ಟಿನ ಜೊತೆ , ಮರೆತು ಹೋಗಲು ಪ್ರಯತ್ನಿಸುವ ಮೊದಲ ಪಯಣ ,  
ನನ್ನನ್ನು ಮಾತೊಮ್ಮೆ ಪರಿಚಯ ಮಾಡಲು ಹೋಗುವ ಮೊದಲ ಪಯಣ ,  
ಬೀಸು ಗಾಳಿ ಜೊತೆ ನಾ ಉಸಿರು ಸೇರಿಸು ಇಚ್ಛೆಯ ಪಯಣ ,  
ಎಲ್ಲವನ್ನು ಮರೆಯಲು ಹೋಗುವ ಪಯಣ , ಹೊಸ ಪರಿಚಯ ತೋರಿಸಿತ್ತು ,  
ಯಾವ ಪರಿಚಯ , ಯರ ಪರಿಚಯ ತಿಳಿಯದು ,  
ಆದರೆ, ಮನಸ್ಸಿಗೆ ಮರುಜೀವ ತುಂಬಿದ ಪರಿಚಯ ..

- ರಾಜ್

# ಅವಮಾನ

ಮೊದಲ ಅವಮಾನವು ನಿಮ್ಮನ್ನು ಅಳುವಂತೆ ಮಾಡುತ್ತದೆ ,  
ಏರಡನೇ ಅವಮಾನವು ನಿಮಗೆ ಸಲಹೆ ನಿಡುತ್ತದೆ ,  
ಮೂರನೆಯ ಅವಮಾನವು ಶಾಂತಿಯನ್ನು ತೋರುತ್ತದೆ ,  
ಅಂತ್ಯದ ಅವಮಾನವು ಗುರುತನ್ನು ನೀಡುತ್ತದೆ ,  
ಅವಮಾನಗಳು ನಿಮಗೆ ಅಂತ್ಯವಲ್ಲ ,  
ಅದು ನಿಮ್ಮ ಯಶಸ್ಸಿನ ಪ್ರಾರಂಭದ ಹಂತವಾಗಿರುತ್ತದೆ ...

- ರಾಜ್

# Water or Wine?



**Tanya Deep**  
**ISE 4<sup>th</sup> Sem**  
**1BY23IS231**

Had me believing your truthful lies,  
That's my tragic truth.  
Had me walking your plane of misery,  
Made me miserable.  
Had me running in the fields of your delusion,  
That was sufferable.  
If it'd helped, water or wine?

Woke to a bitter world,  
Cold in the face.  
Sounds of shattering hearts,  
Waiting for a deep embrace.  
Could be my death,  
Death by a thousand cuts.  
If it'd help, water or wine?

Chose my path of fire,  
To right the wrongs.  
Bonds be broken,  
Echoing waves of gongs.  
Revival of life,  
While cradling death.  
If it'd help, water or wine?

I stand the path,  
A frozen tapestry of life.  
Beauty at the face of darkness.  
Spring at the end of Winter.  
Peace at the end of suffering.  
Life at the end of death.  
If it'd help, water or wine?

# CSE-14 anthem



**Nilan Shetty**  
**CSE 2<sup>nd</sup> Sem**  
**1BY24CS182**

—We don't make noise, we make legacy—

First sem.

New faces.

New halls.

Lost in the maze.

Where's the lab?

Who's the prof?

No idea.

But we walked in anyway.

Were we scared?

Hell yeah.

Did we care?

Not really.

Chemistry?

Theory hit harder than we thought.

Labs smelled like confusion and ammonia.

Did we get it?

Not really.

But we made it.

Somehow, we made it.

CAED?

Lines that didn't match.

Projections that didn't fit.

Ctrl+Z?

Our best friend.

Perfect annotations?

Nah, not a chance.

But we kept going,  
and we kept laughing.

SFH?

Skipped.

ICO?

What's that?

English?

Poetry?

Please, we're not here for that.

Python?

No, not this again.

Maths?

More like torture.

Electronics?

Well... we tried.

But somehow—

we stayed connected.

Group chat was fire.

Memes flying faster than deadlines.

Polls about everything and nothing.

Drama?

Oh, we lived for it.

Every. Single. Day.

We were quiet in class,

but in that chat?

We were LOUD.

Mass bunks?

Plans were made.

Execution?

0%.

Second sem.

Same faces.

Different paths.

Mechanical?

The loudest ones.

Electrical, Civil?

Brave hearts.

Electives?

Dropped like bombs.

Half of us Cyber,

the rest?

IoT, Cloud.

But we all stayed in this together.

Group chat?

It slowed down.

But we didn't disappear.

We were still there.

Silent, but constant.

We're the ones who don't scream,  
but damn, we make it count.

We're the ones who fall,  
but get back up stronger.

We're the ones who fail,  
then laugh through the mess.

Someone always there,  
keeping us on track,  
nagging us like clockwork.

Always chasing that deadline,  
always pushing us.

The hum you can't ignore.

You won't hear about us in legends.

But we're in the corners of every classroom,  
in every last-minute push,  
in every deadline we missed.

We're CSE-14.

Not loud,  
not extra,  
but always there.

And this?

This is our anthem.

# Exam Week: A Tragedy in 5 Acts



Nilan Shetty  
CSE 2<sup>nd</sup> Sem  
1BY24CS182

## Act I: Denial

"It's next week, chill."

You scroll memes, watch a movie, maybe two. You convince yourself there's still time.

## Act II: Bargaining

You open the syllabus. Panic sets in.

"Okay, if I study two units today, three tomorrow..."

You make a schedule. You won't follow it.

## Act III: Acceptance

It's the night before. The group chat is on fire.

PDFs are flying, voice notes are dropping, someone just said "Don't study 4th unit, it's never asked."

You believe them. You cling to hope.

## Act IV: Performance

In the exam hall, the paper is a riddle.

You write what you know. Then you write what sounds right.

Diagrams? Absolutely. Logic? Optional.

## Act V: Reflection

You walk out, torn between laughter and despair.

"I'm dropping out."

"Bro, pass agtira?"

Then, the chai tastes sweeter. Because it's over... for now.

Exam week isn't just an academic event.

It is theatre. Comedy, tragedy, and suspense—starring all of us.

# In the maze of life.



Vanama Sai Hiranmayi  
ECE 2<sup>nd</sup> Sem  
1BY24EC182

Ensnared in the unfathomable commitments,  
With promises grander than any embellishments,  
Caught up in the intricate truths of beingness,  
With fictitious facades incapable of assessingness,

Caught up in the labyrinth of life I tread,  
Ambiguous, in a quest for clarity I dread,  
Vacillating thoughts of distress haze my mind,  
Gruelling notions make it impossible to unwind,

In the depth of darkness, a glimmer shines bright,  
Guiding me through the tumult towards the light,  
With each step forward, courage grows anew,  
For within, I discover strength to conquer and renew.

# UNRAVELED TIES



Deekshitha S  
CSE 2<sup>nd</sup> Sem  
1TD24CS062

You might have heard 'college', some  
friends that you find,  
But not every bond is warm and kind.  
Friendship's not always a tale so sweet,  
Sometimes it's thorns beneath your feet.

Sem 1 ends, yet all seems the same-  
Same faces, same halls, the same old  
name.  
But something feels different, a shift in the  
air.  
Familiar voices now echo bare.

At first, you walked with fearless ease,  
No eyes to judge, no need to please.  
But knowing them now, you start to  
refrain,  
What once felt so free now carries a chain.

They say change takes years to show,  
Yet in months, new masks will glow.  
More thrilling than a sci-fi twist,  
Where trust once stood, now shadows  
exist.

The ones you held so close, so tight.  
Are first to turn, first to bite.  
And those you ignored, silent and shy.  
Stand truer now as time drifts by.

Smiles shine bright, yet hide despair,  
Each heart holds pain beyond compare.  
More sems will pass, new masks will show,  
Not all are friends, not all will glow.

Snakes? Oh no, we do not flee,  
We live with them, they slither free.



# ಹಣದ ಮಾಯೆ



Bhanu Priya C R  
MBA 1<sup>st</sup> Sem  
1BY24BA010

ಏ ಹಣವೇ ಏನು ನಿನ್ನಯ ಮಾಯೆ  
ನಾನು ಅರಿಯಾದದೇನೇ ನಿನ್ನ ಛಾಯೆ  
ನಿನ್ನಿಂದ ಭಾವನೆಗಳು ಮೂಲೆ ಸೇರಿವೆ  
ಸಂಬಂಧಗಳ ಬೆಲೆ ಕುಸಿದು ಸುಟ್ಟು ಕರುಕಲಾಗಿವೆ ||

ರಾಜಕಾರಣಿಗಳ ಸ್ವತ್ತಾದೆ, ಬಡವನ ಅನಿವಾರ್ಯತೆಯಾದೆ  
ಅನ್ನದಾತನ ಕೊರಳಿಗೆ ಸಾಲದ ಬರೆಯಾದೆ  
ಕೋಟಿ ಸಾಲದ ಹೊಣೆಗಾರನ ಸುಖದ ಸುಪತ್ತಿಗೆಯಾದೆ  
ನಿನ್ನ ಮಾಯೆಯಿಂದ ವಿದ್ಯಾದಾನವು ಮಾರಾಟದ ವಸ್ತುವಾಗಿದೆ ||

ಗುಡಿ ಸುತ್ತ ತಿರುಗಿ ದೇವರ ಲಂಚದ ಫಲವಾದೆ  
ನೀನು ಹೆಚ್ಚಾದಾಗಲೇ ತಂದೆ-ತಾಯಿ ವೃದ್ಧಾಶ್ರಮ ಪಾಲಾದರು  
ಪ್ರತಿ ಕೆಲಸಕ್ಕೂ ಲಂಚದ ಹೊರೆಯಾದೆ  
ನಿನ್ನ ಹಿಂದೆ ಹೊರಟ ಮನುಕುಲದಲ್ಲಿ ಮನುಷ್ಯತ್ವ ಮರೆಯಾಗಿದೆ ||

ಪ್ರಾಣವಿಲ್ಲದ ನೋಟಿಗಾಗಿ ಪ್ರಾಣವಿರುವ ಮನುಷ್ಯನಿಗೆ ಬೆಲೆ ಇಲ್ಲ  
ನಿನ್ನಿಂದ ಹೊರಟ ಮನುಷ್ಯ ತನ್ನನ್ನೇ ಮರೆತನು  
ಹುಟ್ಟಿಂದ ಸಾವಿನವರೆಗೂ ನಿನಗಾಗಿಯೇ ಹೋರಾಟ  
ಓ ಹಣವೇ ನಿನ್ನ ಮಾಯೆಯಿಂದ ನಾ ಬೆರಗಾಗಿರುವೆ ||

# ಹೆಣ್ಣು.



Vidyashree A S  
MBA 1<sup>st</sup> Sem  
1BY24BA080

ಹುಟ್ಟಿನಿಂದ ಹೆಣದ ತನಕ  
ತಪ್ಪಿದಲ್ಲ ಇವಳಿಗೆ ಹೆಣಗಾಟ  
ಚಿಕ್ಕವಳಿಂದ ಹಿಡಿದು  
ಮುದುಕಿಯಾಗುವ ವರಿಗೂ  
ಜೀವನದ ಜಂಜಾಟ.

ಎಂತಹ ದೊಡ್ಡ ಓದು ಓದಿದ್ದರು  
ಇವಳಿಗಿಲ್ಲ ಯಾವುದೇ ಪಟ್ಟಿ .  
ಇವಳಿಗೆ ಇಷ್ಟೇ ಎಂದಿಗೂ  
ಸೀಮಿತ ಅವಳ ಮನೆ - ಮಠ .

ಬದುಕಬೇಕು ಹಚ್ಚುತ್ತ ದೀಪ  
ಇನ್ಯಾರದೋ ಮನೆಯ ಬೆಳಕಿಗಾಗಿ  
ತನ್ನ ಸ್ವಂತ ಮನೆಗೆ  
ಬರಬೇಕು ಅವಳು ಅತಿಥಿಯಾಗಿ ....

ಜನ್ಮ ನೀಡುವವಳು,  
ಭೂಮಿ ಜಲಗಳಿಗೆಲ್ಲ ಹೆಸರು  
ಹೆಣ್ಣನದ್ದೇಯಾದರೂ  
ಭೂಮಿಯಲ್ಲಿ ಇನ್ನೂ ಕೆಲ ಕೆಟ್ಟ  
ಜೀವಗಳಿಗೆ ಹೆಣ್ಣು ಮಗು ಸಲ್ಲದು ..  
ಹೆಣ್ಣು.....

# Beyond silicon : The GaN evolution



Chaithanya Rani S R  
Research Scholar - Physics



Gallium nitrate is an Super effective semiconductor, Some materials like copper are very good at conducting electricity, while materials like glass or not. Semiconductors are about halfway between those two extremes, which makes them really versatile for different products. That means GaN stands to replace the material that currently rules the electronics industry i.e. Silicon. Gallium nitride can pave the way for a whole new generation of miniaturized tech.

So many gadgets are using GaN semiconductors which are hidden inside the charger chip also, which is responsible for managing the power use and energy consumption of the device.

GaN it is an Wide bandgap Semiconductor (3.4ev), while in case of the silicon, it is 1.1ev. So, in the case of the wide bandgap semiconductor materials, the bandgap is more than the usual semiconductors like silicon and germanium.

Because of the wide bandgap of Gallium Nitride is already used in photonics from a long time, for generating the Blue LEDs and Blue Laser Diodes. Because of this wide bandgap, Gan works more reliably than the Silicon at the high voltages and high temperatures.

Moreover, Compared to Silicon this GaN has higher electron Mobility. This electron mobility shows how quickly an electron can move through a metal or semiconductor when it is pushed through the Electric field. So, this GaN-based transistor has low ON resistance. That means when transistor is used as a switch, then in the ON condition it offers the low resistance than the silicon. It means it is more efficient than the Silicon transistor. Moreover, the breakdown threshold of this GaN is almost 10 times more than the silicon. So we can use the same operating voltage, the GaN transistor requires less space than the silicon transistor Or for the same size, it can be operated at higher voltages more reliably. Moreover, the high-frequency dielectric constant of this Gallium Nitride is almost half than the silicon. That means this GaN based Transistor has lower gate capacitance and other intrinsic capacitance and because of which, it can work at the high frequencies. So, it is used as an amplifier in many equipment at the microwave and the millimeter-wave frequencies. Not only this gallium Nitride works at high Frequencies, but it also works more efficiently and consumes less power.

So that is the reason, all 5G base stations will use this Gallium Nitride based power amplifiers.

In high -power application, even at the high voltages, this GaN-based transistors can operate at high switching speeds in the power electronics, it reduces the overall size of the switching type of converter.

Example: A modern smartphone charger uses a very efficient active clamp flyback converter and in this type of converter, the MOSFET is used as a switch. But using GaN as a switch, the switching frequency can be further increased. and it reduces the size of the passive components like the capacitors and the inductors, so it reduces the overall size of the charger. GaN are more efficient, it also generates less heat compared to silicon.

The transition from the silicon industry to the gallium nitride (GaN) industry marks a significant shift in semiconductor technology, driven by the demand for higher efficiency, faster performance, and better thermal management. While silicon has long been the backbone of the electronics industry, GaN's superior properties—such as higher breakdown voltage, faster switching speeds, and lower power losses—are paving the way for its adoption in power electronics, radio-frequency (RF) applications, and next-generation communication systems.

As industries move toward more energy-efficient and high-performance solutions, GaN is emerging as the key material for future semiconductor advancements. Though challenges such as manufacturing costs and material availability exist, continuous research and technological improvements are accelerating GaN's integration into mainstream applications. The shift from silicon to GaN is not just an upgrade; it represents a transformative evolution in semiconductor technology, driving innovation across multiple sectors and shaping the future of electronics.



# Neuromarketing:

HOW BRANDS ARE  
USING BRAIN SCIENCE TO  
INFLUENCE CONSUMERS



G Ruthika Shivani  
MBA - 2<sup>nd</sup> Sem  
1BY24BA022

## THE SCIENCE BEHIND WHY YOU BUY?

Have you ever walked into a store with intention to buy one item but ended up with a shopping cart full of things you didn't actually plan for? Or why does a simple logo, like Apple or Nike, make us feel a certain way? Answers are here Welcome to the world of neuromarketing, where psychology meets business. In today's hypercompetitive market, brands no longer depend on guesswork they tap into brain science to understand what truly influences consumer decisions. But how does it work, and why should we, as business students, care about it? Let's dive in to know more about it.

Studies show that 95% of purchasing decisions happen in the subconscious mind. This means that while we think we make logical choices, our emotions and deep-rooted instincts control our spending habits. Companies have mastered the art of triggering emotions, memories, and desires to subtly guide our decisions without us even realizing it.

One of the biggest neuromarketing techniques is colour psychology. People get easily attracted towards colours. Fast-food chains like McDonald's and KFC use red and yellow because they trigger hunger and urgency. On the other hand, blue is associated with trust, which is why banks and tech brands like Facebook and PayPal display it. Even the packaging design are carefully tested before launch to create a specific emotional response and impact the human brain.

Ever gave a thought why ads or emotional storytelling campaigns go viral? Our brains are wired to connect with stories, not just products. Coca-Cola's holiday ads don't just sell a drink; they sell an experience of joy and togetherness. Brands use strategy such as mirror neurons (brain cells that help us feel what others feel) to make us relate to the emotions shown in ads, attracting us towards buying.

Even luxury brands use tactics like scarcity and exclusivity to increase demand. It is natural instinct that when humans see a limited-edition sneaker drop from Nike or a "limited stock" sale on Amazon, brain perceives it as more valuable. This fear of missing out (FOMO) creates a pulse in consumers to make decisions and motivates them to purchase it. This type of marketing creates demand and drives sales.



Beyond exclusivity, brands also use social proof and relatability to increase emotional connections. For example, when influencers or celebrities promote or use a product, it activates the trust factor in consumers, making them feel that purchasing the product will make them part of similar lifestyle. Even user-generated content like customer testimonials and social media shares improve psychological trust cues, highlighting the brand and make it appear more authentic and trust worthy.

Another powerful tool is nostalgia marketing. Have you ever felt drawn to an ad that reminds you of childhood? Companies like Pepsi and Disney rely on nostalgia, by bringing up positive emotions that make consumers more likely to engage with the brand. These strategies tap into deep seeded emotions of humans making advertising more than just a sales pitch it becomes a memorable experience that will attract them towards buying.

## How Neuromarketing is Shaping the Future of Advertising

Companies today use advanced techniques like eye-tracking, EEG (brainwave monitoring), and facial recognition software to study how consumers react to ads. Even Netflix and Spotify use AI-driven neuromarketing to personalize recommendations based on history. This leads to users stay engaged longer, increasing customer retention. Social media platforms track engagement patterns of users, emotional responses, and scrolling behaviours so, it will show related ads, and capture their attention at the right moment. With the rise of the virtual reality (VR) marketing, brands are creating interesting shopping experiences to audience which will grab their attention.

As business students, it is necessary to understand neuromarketing isn't just interesting it's a crucial skill.

Whether you're in marketing, HR, or entrepreneurship, knowing how to influence consumer behaviour gives you an idea in the business world as it is playing vital role in current market.



## The Intersection of Ethics and Innovation

Neuromarketing is completely changing the way brands connect with consumers, but with great power comes great responsibility also. While these psychological techniques help businesses increase their sales and engagement, they also raise ethical concerns like how much influence is too much? Should brands have unrestricted access to our subconscious triggers, or should there be boundaries to prevent manipulation?

As the next generation of marketers, business leaders, and consumers, we must navigate this landscape with ethical awareness. Companies that prioritize transparency and responsible marketing will not only build trust but also foster long-term customer loyalty and sustain in the market.

Neuromarketing is no longer the future it is the present which is already come into existence. Understanding the science behind consumer behaviour gives us knowledge, whether as marketers crafting campaigns, strategies or as consumers making more informed choices.

The question remains: Will you let brands change your purchasing and consuming decisions, or will you be the one shaping the future of marketing? The power is in your hands, make a right choice.

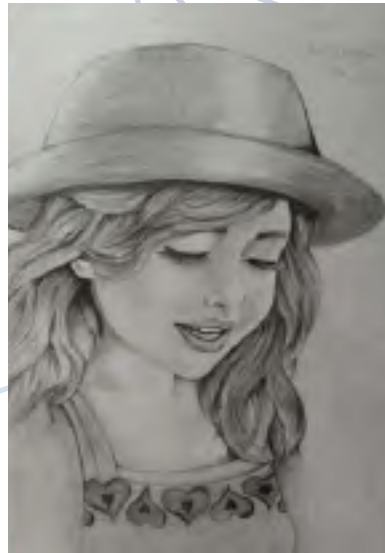


# Art Gallery

Art speaks where words fall short. This section showcases the imagination, talent, and emotions of our student artists. From sketches and paintings to digital art and mixed media, every piece is a window into the vibrant minds that bring color and character to our campus culture.



KEERTHANA M  
1BY23MC038

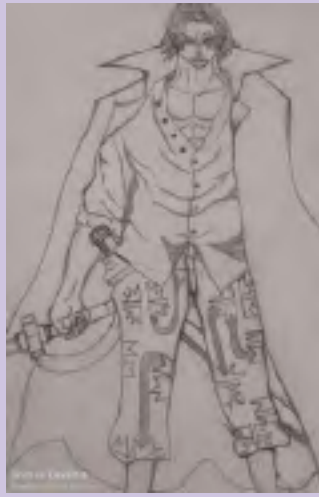
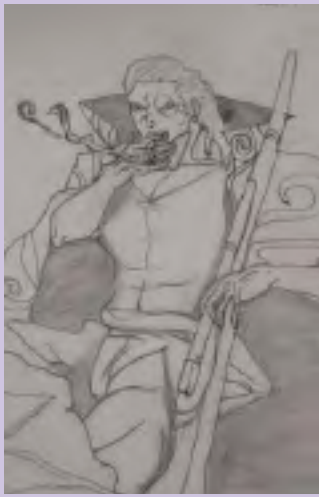


GAZANFAR MOIN  
1BY24CS092

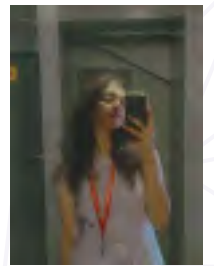


NITESH K DODDAMANI  
1BY24IS410





AYUSH JAISWAL  
1TE24CS080



SHAMBHAVI SINHA  
1TE24CS264



MANISHA PRABHU  
1BY24BA040



MANISHA PRABHU  
1BY24BA040



SANTOSH M KULKARNI  
1BY24MC074



NISHITHA P V  
1BY23MC056



NEHASAI A  
1BY24MC047

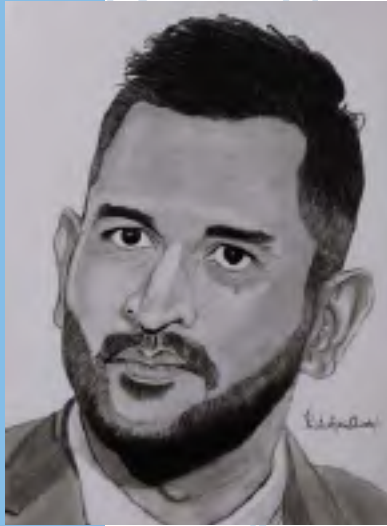




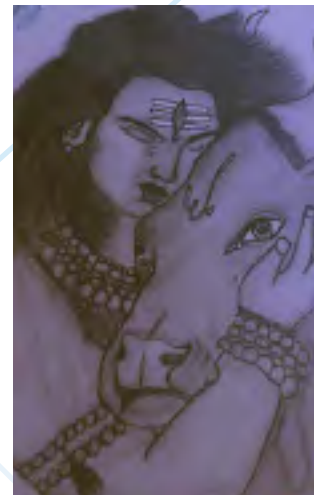
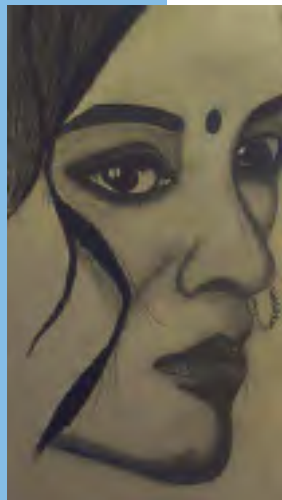
ABHISHEK  
1BY23MC001

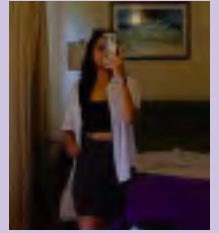


PRATULIKA SHWETA  
1BY23MC066



SHYAMALASHREE T C  
1BY23EE055

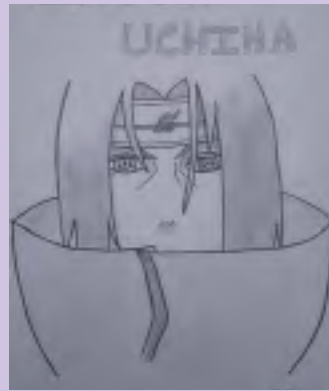




MINAL ARYA  
1TE24CS170



NISHIKA R REDDY  
1BY24EC115



NAGASHREE A  
1BY24BA045

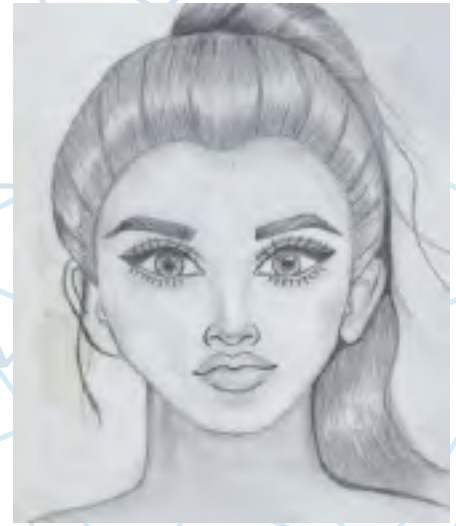




ANUSHA S B  
1BY24BA008



ANISHA H  
1BY24BA006



KUSHI S  
1TD24CS126

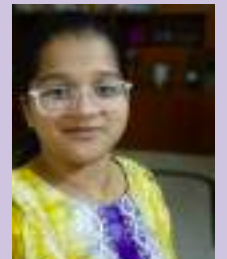
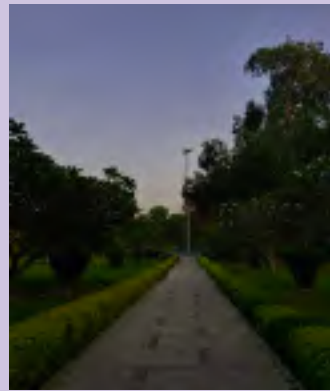




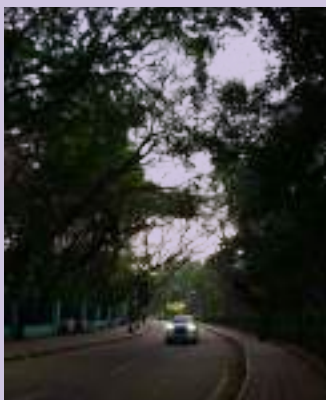
YASHASWINI R  
1BY24BA085



BANDAV B G  
1BY24BA009



MAANYA R S  
1BY24CS148







# Utsaha Vaikhava 2025





**MANTHANA**

**ಮಂಥನ 2025**



ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ಪದ್ಧತ್ಯಾಚನಾ ಮಹಾವಿದ್ಯಾಲಯ  
**BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT**  
(Autonomous Institution Under VTU)

Yelahanka, Bengaluru -560119