



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

BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(Autonomous Under VTU)



MANTHANA

ಮಂಥನ

2024



Late Sri B. M. Sreenivasaiah
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 Institution's dates back to the year 1946. Late Sri B.M. Sreenivasaiah, a philanthropist and visionary, realized the importance of technical education in the country. 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 continue 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 of Women and BMS Evening College of Engineering. He was instrumental in initiating several collaborative programs, such as cross-cultural program with M/s 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 Trustee's appointed by Dr. Ragini Narayan wife of Late Sri B.S. Narayan and currently the Donor Trustee & Member Secretary of BMS Educational Trust.

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

1. B.E. Computer Science and Engineering
2. B.E. Electronics and Communication Engineering
3. B.E. Mechanical Engineering
4. B.E. Electronics and Telecommunication Engineering
5. B.E. Electrical and Electronics Engineering
6. B.E. Information Science and Engineering
7. B.E. Civil Engineering
8. B.E. Artificial Intelligence and Machine Learning
9. B.E. Computer Science & Business Systems

POSTGRADUATE COURSES

1. Master of Computer Applications (MCA)
2. Master of Business Administration(MBA)
3. M.Tech. (Computer Science and Engineering)
4. M.Tech. (Cyber Security)

RESEARCH PROGRAMMES

1. M. Sc. (Engg.) by Research
2. Doctor of Philosophy (Ph. D)



ABOUT US

BMS Institute of Technology & Management (BMSIT&M), started in 2002 with three Engineering Programs viz. Computer Science and Engineering, Electronics and Communication Engineering and Mechanical Engineering. At present BMSIT&M offers AICTE approved 7 UG programs and 4 PG programs. There are 11 VTU recognised research centres with 75 research supervisors and 109 research scholars working in diverse research areas. BMSIT&M has been accredited by NAAC with 'A' grade. All the eligible UG and PG programs have been accredited by NBA. University Grants Commission (UGC) and Visvesvaraya Technological University (VTU) have conferred Autonomous status to BMSIT&M for both UG and PG programs since 2021.

As an autonomous institution, our curriculum design is as per professional body guidelines and industry requirements with special emphasis on Global Capability Centre(GCC) expectations. The institute engages in contemporary and competitive teaching/learning methods. The Outcome Based Education (OBE) coupled with promoting experiential learning has ensured our students gaining skills for success in their chosen domain. The institute follows learner centric methods in academics for effective learning by students. The institute has state-of-art laboratories for course work, teaching, and student projects. BMSIT&M is helping the students in getting exposure to cutting edge technologies through industry driven projects, industrial visits and hands-on training from domain experts of reputed industry/research organizations. The students are encouraged to involve themselves in creative, technical and research activities.

Research at BMSIT&M is an integral part of the curriculum. Faculty and students of BMSIT&M have a credit of around 200 publications per year in reputed journals and conferences. The institution has attracted significant research grants from various national and state level agencies like DST, AICTE, VGST etc. Many of our students have won accolades at various national and international events and competitions. A good number of students have successfully pursued entrepreneurship, while many others have pursued higher education in top ranked institutions across the globe. Education at BMSIT&M is a dream of every student who aspires to be a leader par excellence in engineering, since the institution has all functional systems in place with high performing academic, personality development and administrative sub systems which are perfectly synchronized and continuously engaged. We at BMSIT&M are committed to make the journey of students, memorable and enriching.

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Donor Trustee, Member Secretary, BMSET



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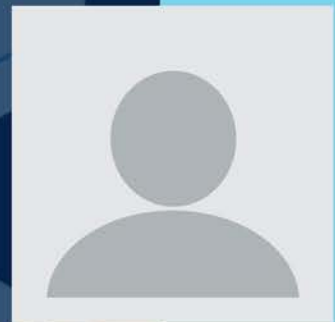
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MESSAGE FROM TRUSTEE



Dr. B.S. Ragini Narayan
Donor Trustee and Chairperson, BMSET

Dear esteemed readers,

It brings me great joy to extend a heartfelt welcome to you all to the latest edition of our college magazine, Manthana 2024.

In my capacity as trustee, I am deeply honored to introduce this publication which is collective efforts of our esteemed contributors and editorial team.

Within the pages of this magazine, you will find a rich fusion of articles, insights, and perspectives. As we navigate the ever-evolving landscape of technology and innovation, it is crucial that we remain steadfast in our commitment to uphold the highest ethical standards and to recognize the profound impact that our work can have on society.

I trust that you will find this edition both informative and inspiring and I encourage you to delve into its contents with an open mind and a spirit of curiosity.

Thank you for your continued support and engagement with our college community.

Warmest regards,

Sincerely,

A handwritten signature in blue ink that reads "Ragini Narayan".

Dr. B. S. Ragini Narayan
Donor Trustee & Chairperson, BMSET

MESSAGE FROM TRUSTEE



Dr. P. Dayananda Pai
Life Trustee, BMSET

Dear readers,

Greetings!

I am thrilled to extend a warm welcome to you all to the newest edition of our college magazine.

As a trustee of BMSET and a passionate philanthropist, it fills me with pride to be part of an institution that values giving back to society.

Philanthropy is more than just a word to me. It is a guiding principle that drives positive change in the world. Through our collective efforts, we have the power to transform lives and create a better future for generations to come.

I invite you to explore this magazine filled with inspiring narratives and impactful initiatives and to join us in our mission of making a difference in the world.

Warm Regards,



Dr. P. Dayananda Pai,
Life Trustee, BMSET

MESSAGE FROM THE CHAIRMAN



Shri Aviram Sharma
Trustee, BMSET
Chairman, BMSIT&M

Dear readers,

It is my pleasure to address you through our college magazine, Manthana. I am proud of the many initiatives and programs that we have put in place to enable our students to achieve their full potential. From our comprehensive academic curriculum to our extracurricular activities, we strive to provide our students with every opportunity to develop their skills, knowledge, and abilities.

We recognize the importance of creating an equitable and just society where every member has equal access to opportunities and resources. To this end, we have implemented various measures to promote diversity and inclusivity in our campus, and we have actively engaged with community organizations to address social and economic disparities in our surrounding areas.

Finally, we understand that promoting national development is a crucial aspect of our mission as an educational institution. We strive to equip our students with the skills and knowledge they need to contribute to the growth and progress of our nation, and we encourage them to take an active role in addressing the challenges and opportunities facing our society.

As you read through this magazine, I hope that you are inspired by the many stories and articles. I also hope that you will join us in our efforts to create a better world for all.

Sincerely,

A handwritten signature in black ink that reads "Aviram Sharma".

Shri Aviram Sharma,
Trustee, BMSET,
Chairman, BMSIT&M

MESSAGE FROM THE PRINCIPAL



Dr. Sanjay H.A.
Principal, BMSIT&M

Dear readers,

Welcome to Manthana 2024!

This edition focuses on showcasing the artistic talents within our engineering community. From drawings to photography till articles, we are celebrating the diverse creative expressions of our students.

However, let's not overlook our technical expertise. As engineers, let's continue to innovate and strive for sustainable solutions that benefit society.

Beyond academia, let's also emphasize the importance of kindness and human connections. Let's build a community where everyone feels valued and supported.

I hope you enjoy reading and exploring Manthana 2024, a testament to our collective talents and aspirations.

Best regards,

A handwritten signature in green ink, appearing to be 'Sanjay H.A.', written over a light blue background.

Dr. Sanjay H.A.
Principal, BMSIT&M.

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MESSAGE FROM THE EDITORIAL DESK



Dear readers,

As the editorial team of our college magazine - Manthana, we are thrilled to unveil the latest issue of our publication. We've put our hearts and souls into curating a diverse collection of articles, essays, poems, and artwork from our incredibly talented student body and faculty members.

Within these pages, you'll encounter articles that challenge conventional wisdom, offering fresh perspectives on the world around us. You'll discover stories of personal growth and transformation, alongside scientific breakthroughs and pioneering research. And woven throughout, you'll find creative pieces that beautifully capture the essence and intricacies of our world.

We extend our heartfelt gratitude to all our contributors for their hard work and dedication, without which this issue would not have been possible.

Thank you for joining us on this journey, and we hope you thoroughly enjoy exploring the latest issue of our college magazine!

Sincerely,

The Editorial Team

Dr. Ambika R.
Professor, Department of ECE and
Dean Student-Welfare

Dr. Surekha K. B.
Editor, Assoc. Professor, Department of ISE

Dr. Geeta Patil
Co-Editor, Assoc. Professor, Department of ISE

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DEPARTMENT PROFILE

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

I am delighted to share the remarkable progress achieved by the Department of Computer Science & Engineering during the 2023 – 2024. Renowned for its dynamism, the department 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 12 scholars currently enrolled in Ph.D. programs. Our faculty, comprising 34 highly qualified members, including nineteen Ph.D. holders across various domains, remains dedicated to levating educational standards. Additionally, our team of skilled technical staff continuously endeavors 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. Thippeswamy G
Professor & HoD

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.

DEPARTMENT STATISTICS AT A GLANCE

- No. of students (UG+PG)- UG: 972 + PG: 15
- No. of Doctorates – 19
- Faculty Count – 34
- No. of Research Scholars – 12
- No. of FDP & Workshop/Seminar/ Expert talk – 06
- No. of publications – 45
- Faculty Achievement List:

Dr. HemaMalini BH, Associate Professor, Dept of CSE, received a national level award "Shikshakaratra Puraskaara 2023", and felicitation by Dr. C N Ashwath Narayan, Ex- Higher Education Minister, Govt of Karnataka, on 23-9-2023 at Gandhi Sahitya Sangha, 8th Cross Road, Malleshwara, Bengaluru.

Dr. Vidya Pai, Assistant Professor, received Ph.D. award during convocation from VTU Belagavi, on 01.08.2023

- Club Activities/ Professional Society activity – 04

Student Achievements :

The 5th Sem CSE students Arham, Sagar has been selected for 1st Prize to Dr S K Shivakumar State Award from Govt of Karnataka under the guidance of Dr. Arunakumari B. N. First prize Includes incitation with cash amount of 10000/-.

The 6th sem student Charvi Jaiswal have been invited to participate in campus visit to Dillard University, USA. Her TA and DA are covered by the Melton Foundation.

Students of 4th semester have presented 6 research papers with theme as “Discrete Mathematics and its applications to Society” at the 14th IEEE ICCCNT held at IIT Delhi under the guidance of Dr. Aruna Kumari B N.

S N Shashank and team have received KSCST project award from Govt. of Karnataka on project title “ Robot Arm Manipulation”, under the guidance of Dr. Ambika G N

Ms. Snehalaxmi(1BY19CSI53) graduated in the year 2022 has secured 8th Rank in VTU examination. She was awarded during the 23rd VTU annual convocation held on 01.08.2023.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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 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.



Dr. Jayadeva G S

Professor and HoD

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

DEPARTMENT STATISTICS AT A GLANCE

- No. of students (UG) – 644
- No. of Doctorates – 22
- Faculty Count – 30
- No. of Research Scholars – 24
- No. of Expert talk – 02
- No. of publications – 21
- Club Activities/ Professional Society activity – 02
- Funded Projects : 01
Project title : An Adaptive, Motor Imagery based Brain-Computer Interface
- Funding Agency:
Vision Group of Science and Technology(VGST)
- Amount : 40 lakhs
- Duration : 2 Years (12/01/2024)
- Investigator : Dr.Saneesh Cleatus T

- Student Achievements -

Mr. Sukruth and team presented the paper in the international conference on futuristic trends in science, engineering and Management (ICFTSEM) 2024, St Xavier college of management and Technology, coimbatore, on 24/02/2024, received best presentation under students category for the title paper "Revolutionizing waste management" under the guidance of Dr. Anil kumar D, Associate professor, ECE department, BMSIT&M, Bengaluru.

Varun Sharathchandran has received 7000 USD as a scholarship from IEEE Signal Processing Society towards his higher education at Technical University Netherlands.

- Faculty Achievement List -

PhD Awarded : 01

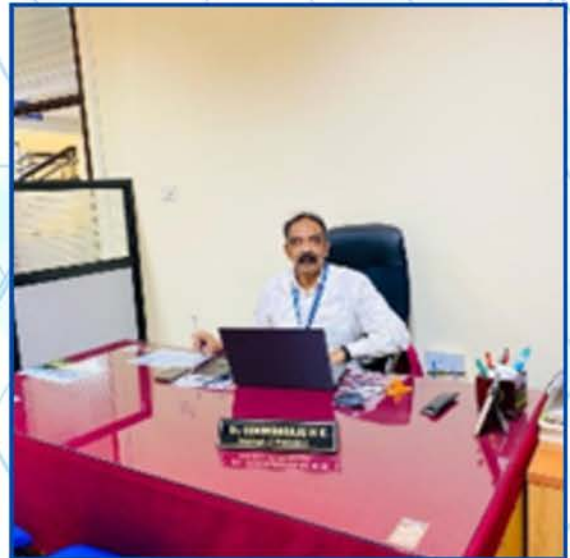
Journal Reviewers : 07

Resource persons : 07

The research Lab "Thin Films and Optoelectronic Devices Laboratory [TFOD Lab]" was established in the department on 10th November 2023. The principal investigator of the research project funded by the Department of Science and Technology [DST - SERB] is Dr. Sabina Rahaman, Assistant Professor, Dept. Of ECE, BMSIT&M.

DEPARTMENT OF MECHANICAL ENGINEERING

I am extremely happy to share the progress of the Department of Mechanical Engineering for the academic year 2023-24. The Department offers an autonomous curriculum, state-of-the-art laboratories, a research centre, and is NBA accredited. It is founded by highly qualified professors with PhDs, who are committed to delivering the highest quality of education. The autonomous coursework is designed by industry professionals, graduates, and faculty of IITs and National Institutes of Technology. The advanced technology labs are providing hands-on training in areas such as Internet of Things, 3D Printing, Automation, Electrical Vehicle, CNC, and Material Testing. Faculty members are engaged in a variety of research topics like materials, vibrations, smart materials, alternative materials, solar energy, etc. The department has signed Memoranda of Understanding with various industries for research projects, student internships and industrial visits.



Dr. H.K. Govindaraju
Professor and HOD

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 conducive environment for both students and faculty to pursue higher education & research and to work ethically for the benefit of society.

DEPARTMENT STATISTICS AT A GLANCE

- No. of students (UG) – 237
- No. of Doctorates – 10
- Faculty Count – 17
- No. of Research Scholars – 21
- No. of FDP & Workshop/ Expert talk – 12
- No. of publications – 11
- Faculty Achievement List – 9
- Student Achievements – 1
- Club Activities/ Professional Society activity – 4

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

I take this opportunity to share some important information about my ETE Department which is NBA accredited. Department is proud that it has 26 students' ranks in the university with three Gold Medals to its credit. Department of ETE Practices OBE and brings innovation in Teaching Learning Process (TLP), through a team of competent and committed faculty members with 90% of them having Ph.Ds. and Technical staff. Faculty members from the Department have obtained research grants from various agencies like VGST, AICTE etc. Department conducted open courses on "Embedded Systems for IOT" and "PCB Design, Fabrication & Testing" for students. Industrial visit was made by students to ISRO and BIAL T2. Faculty Development Programs on "IC Design using EDA TOOLS" and AICTE Sponsored ATAL FDP on "VLSI Chip Design: An AI/ML Perspective" was conducted by the department. Skill Development Programme on "PCB Design and IoT Applications" was conducted for Technical staffs in the academic year 2023-24.



Dr. Mallikarjuna Gowda C.P

Associate Professor and HoD



Ms.Keerthana.R (1BY19ET027) graduated in the year 2022 has secured 1st Rank in VTU examination She is awarded during the 23rd VTU annual convocation held on 01.08.2023.

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

DEPARTMENT STATISTICS AT A GLANCE

- No. of students (UG+PG) – 228
- No. of Doctorates – 09
- Faculty Count – 10
- No. of FDP & Workshop/Seminar/ Expert talk – 05
- No. of publications – IJ: 06, JC-14, BC: 04
- Faculty Achievement List – PhD :2 , Reviewer:22, Outstanding Supervisor :01, Research fund: 02, Resource person: 11
- Student Achievements - KCST:01, Project Competition : 02, Rank:01
- Club Activities/ Professional Society activity – 03

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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



Dr. Prashant A Athavale
Assistant Professor and HoD

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 outreach activities.

DEPARTMENT STATISTICS AT A GLANCE

- No. of students (UG+PG) – 234
- No. of Doctorates – 07
- Faculty Count – 15
- No. of Research Scholars – 8
- No. of FDP & Workshop/Seminar/ Expert talk – 05
- No. of publications – 15
- Faculty Achievement List – 03
- Student Achievements – 03
- Club Activities/ Professional Society activity – 01

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

The Department of Information Science and Engineering was established in the year 2010 with an intake of 60 and currently we have an intake of 240, with an objective of producing high quality and technically competent engineers to meet the needs of Information Technology Industry. The Department offers bachelor's program in ISE (BE), Master's Program in Cyber Security (M.Tech) and Doctoral Program (Ph.D), recognized research centre affiliated to VTU. Department has excellent learning environment, innovative teaching methods, mentoring and industry institute interactions. The Department has 35 highly competent faculty members, with

31 Ph.D holders and 04 faculty members pursuing Ph.D. Faculty have been mentoring students towards inculcating problem solving, creative thinking, innovative and attitudinal skills. 381 research publications have been published in various Scopus indexed, WoS, SCI Journals and Conferences. It has state-of-the-art computational facilities with relevant software as well. The Department has collaborations with IBM, EC Council, Oracle, and UiPath, which has a significant impact on the curriculum, teaching & learning and research. The department has excellent placements at 95% with a highest CTC of 26.00 LPA and average CTC of 8.71 LPA. The Department has coding club, Access Denied club which helps to interact with like-minded peers and deep dive into the coding world and participate in hackathons.



Dr. Pushpa S K
Professor and HOD

VISION

Emerge as 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.

DEPARTMENT STATISTICS AT A GLANCE

- No. of students (UG+PG) – 891+11
- No. of Doctorates – 31
- Faculty Count – 35
- No. of Research Scholars – 17
- No. of FDP & Workshop/Seminar/ Expert talk – 10
- No. of publications – 34
- No. of OBE activities – 10



Within this competitive landscape, Legion embarked on a journey to identify a pressing problem and develop an innovative solution. Our team understood that cyber threats continue to evolve and become more sophisticated, with website vulnerabilities posing a significant risk to individuals and organizations alike. With this understanding, we focused our efforts on developing a tool that not only scans websites for vulnerabilities but also spreads awareness among users about potential risks and best practices for online security.

DEV CRAFT '24, organized by the Coding Crib, Department of the ISE, in collaboration with Government High School, Rajanukunte was a school website building competition aimed at fostering innovation and teamwork among participants. The event spanned 10 days and involved collaborating with a Government High School, where participants donated custom-made school websites for the school. Students participated in various Hackathons conducted in different organizations: Web Development CTF Hackathon, NPCI Blockchain Hackathon, CODE FIESTA BY SJBIT, Secure Hack cyber security hackathon, where students were able to address the given problems.



Mr. Akash Niraj (IBY19IS016) graduated in the year 2023 with CGPA of 9.51 has secured 5th Rank in VTU examination among 12260 students across VTU. He is awarded during the 22nd VTU annual convocation held on 24.02.2023.



Mr. Dhruva S Kashyap (IBY20IS052) Congratulations for 645th Rank in GATE EXAM 2024.



DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering, established in 2013, remains steadfast in its commitment to delivering quality education, supported by our dedicated faculty members and state-of-the-art infrastructure. Our department has an intake of 60 students and proudly supports five PhD students in our research centre.

We take pride in organizing numerous co-curricular and extracurricular activities yearly to enhance our students' and faculty's knowledge and skills. These initiatives ensure that our department meets and exceeds the evolving expectations of industry standards.

I am delighted to announce that the NBA has accredited our Department of Civil Engineering for three years. Additionally, our geotechnical, concrete, and highway laboratories have accreditation from NABL, further validating the quality and reliability of our facilities.

Our students have demonstrated remarkable achievements, with their projects receiving funding from prestigious organizations such as KSCST and IWWA. Their participation and success in various project exhibitions have brought our department and institution accolades. Every year, our students and faculty members publish technical papers in national and international journals, showcasing their research and innovations. The campus placement for our department is excellent, with many students securing positions in top companies. Additionally, numerous students have gained admission to prestigious universities abroad, furthering their academic and professional pursuits



Dr. Rajakumara H N
Professor and HOD

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

DEPARTMENT STATISTICS AT A GLANCE

- No. of students (UG+PG) – 219
- No. of Doctorates – 10
- Faculty Count – 13
- No. of Research Scholars – 03
- No. of FDP & Workshop/Seminar/ Expert talk – 02
- No. of publications – 08
- Club Activities/ Professional Society activity – 07

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

The Department of Artificial Intelligence and Machine Learning was established in the year 2019 for the AY 2019 - 2020 with an intake of 60 and the intake increased to 180 with effect from 2023-24. This is the first premier institution under AICTE that started the Department of Artificial Intelligence and Machine Learning under Visvesvaraya Technological University, Belgaum. The department objective is to produce high-quality professionals to meet the demands of the emerging fields of Artificial Intelligence and Machine Learning. The Department is highly progressive with a team of well qualified, experienced and dedicated faculty members.



Dr. Anupama H. S.

Associate Professor and HoD

The Department has 14 highly competent faculty members, with 09 Ph.D holders and 05 faculty members pursuing Ph.D. Faculty have been mentoring students towards inculcating problem solving, creative thinking, innovative and attitudinal skills. Faculty are published articles in Journals and Conferences indexed by Scopus, WoS, SCI etc. The faculty members constantly upgrade their knowledge and skill sets through FDPs and other learning activities in turn involved in effective Teaching-Learning Process (TLP) with Outcome-Based Education (OBE) model in line with National Education Policy (NEP) 2020. 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 faculties are guiding 12 Ph.D. scholars from industries and academics. The Department has received funds for various consultancy and research projects from Government and private organizations.

VISION

To develop professionals equipped to build sustainable and intelligent solutions that effectively interact with 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 outcomes through place-based education and collaborations with established research labs and industries.
- Encourage entrepreneurship efforts among students and develop them into great leaders.

DEPARTMENT STATISTICS AT A GLANCE

- No. of students (UG) – 473
- No. of Doctorates – 09
- Faculty Count – 14
- No. of Research Scholars – 10
- No. of FDP & Workshop/Seminar/ Expert talk – 08
- No. of publications – 49
- Faculty Achievement List – 03
- Student Achievements – 03
- Club Activities/ Professional Society activity – 04

The Department has collaborations with industry and foreign universities which has a significant impact on the curriculum, teaching & learning and research. The department has excellent placements at 95% with a highest CTC of 30 LPA and average CTC of 8.5 LPA. The department has a student club 'Branium' for Curricular and co-curricular activities.

Ms. MADHUMITHA V (IBY19AI028) graduated in the year 2023 with CGPA of 9.49 has secured 1st Rank in VTU examination across VTU. She is awarded during the 23rd VTU annual convocation held on 01.08.2023.

Ms. D SRI LAKSHMI PRIYA (IBY19AI014) graduated in the year 2023 with CGPA of 9.46 has secured 2nd Rank in VTU examination across VTU. She is awarded during the 23rd VTU annual convocation held on 01.08.2023.

Ms. PRATI KSHA RAO (IBY19AI039) graduated in the year 2023 with CGPA of 9.42 has secured 3rd Rank in VTU examination across VTU. She is awarded during the 23rd VTU annual convocation held on 01.08.2023.

Mr. AKANKSH RAO S R (IBY19AI007) graduated in the year 2023 with CGPA of 9.3 has secured 4th Rank in VTU examination across VTU. He is awarded during the 23rd VTU annual convocation held on 01.08.2023.

Ms. SHREEYA G (IBY19AI052) graduated in the year 2023 with CGPA of 9.42 has secured 5th Rank in VTU examination across VTU. She is awarded during the 23rd VTU annual convocation held on 01.08.2023.

Ms. ADITI N (IBY19AI005) graduated in the year 2023 with CGPA of 9.42 has secured 6th Rank in VTU examination across VTU. She is awarded during the 23rd VTU annual convocation held on 01.08.2023.

DEPARTMENT OF COMPUTER SCIENCE AND BUSINESS SYSTEMS

In 2023, BMS Institute of Technology and Management launched a pioneering academic program, the Computer Science and Business Systems (CSBS) branch. This innovative field is designed to bridge the gap between technology and business, preparing students to meet the complex demands of today's digital economy. The CSBS program integrates a robust computer science curriculum with essential business management principles, equipping students with the interdisciplinary skills needed to drive technological innovation and strategic business decisions.

The CSBS branch offers a comprehensive curriculum that includes core computer science courses such as Data Structures and Algorithms, Machine Learning, Block Chain, Mobile App development and Network Security, alongside business-focused subjects like Financial Accounting, Strategic Management, and Business Analytics. This unique blend of technical and managerial education ensures that graduates are well-versed in both the development and application of technology within a business context. Through practical learning experiences, including capstone projects, internships, and industry collaborations, students gain real-world insights and hands-on experience. The program also emphasizes soft skills development, leadership, and ethical business practices, creating well-rounded professionals ready to lead in a technology-driven world. With its forward-thinking approach, the CSBS branch at BMS Institute of Technology and Management is set to produce the next generation of leaders who will shape the future of business and technology.



Dr. Vishwa Kiran S.

Associate Professor and HOD(I/C)

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

The Department of 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 8 exclusive and qualified faculty members, 2 technical & 1 office staff. The Department is happy to share that the First batch of Autonomous Scheme for MCA is graduated in 2023. The graduation day for the 2021-23 batch was conducted ceremoniously. The student intake is increased to 120 w.e.f. 2023-24. The enthusiastic staff members 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, great 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. The department is equipped with digital systems that enables it to provide uninterrupted learning experience for the students. Students are also oriented towards research and encouraged to publish/present research papers in journals/conferences. Student self-learning through online platforms is supported by the institution through incentives for successfully completing the courses with good scores.



Dr. M. Sridevi

Assistant Professor & Head

VISION

To develop quality professionals in Computer Applications who can provide sustainable solutions to the societal and industrial needs.

MISSION

Facilitate effective learning environment through quality education, state-of-the-art facilities, and orientation towards research and entrepreneurial skills.

DEPARTMENT STATISTICS AT A GLANCE

- No. of students (UG) – 167
- No. of Doctorates – 04
- Faculty Count – 08
- No. of Research Scholars – 11
- No. of Workshop/Expert talk – 7
- No. of publications Student/Faculty – 22

Graduation Day 2023 at BMSIT & M

BMS Institute of Technology and Management, Yelahanka, Bengaluru celebrated its first Graduation Day on 25.11.2023. A total of 54 students received the MCA degree certificates. 6 ranks were announced for the top performers. Mr. Franklin Dalmet secured Gold medal, Ms. Jyosthna M H, Silver medal and Amrutha L, Bronze medal. Col. Shankar H S, Vishishta Seva Medal winner graced the occasion and rendered his motivational speech. Col. Shankar is also an alumni of BMS College of Engineering, Basavanagudi, sister institute of BMSIT&M. Col. Shankar motivated students to hone R&D and leadership skills highlighting the avenues they provide in various domains. Chairman Sri Aviram Sharma, Principal Dr. Mohan Babu G N and others were present during the event.



Rank Holders of first Autonomous Batch 2021-23

1. Franklin Dalmet
2. Jyosthna M H
3. Amrutha L
4. Nischitha M Upadhya
5. Mulla Sana
6. Mohammed Rafi

Faculty Achievements:

Prof. Nirupama B K was granted research proposal grant amount of rupees 15,000/- from BICEP cell of BMSIT&M on 21.07.2023. Title of the project is "Smart Perfume Dispenser in Restroom".

Dr. Shivakumara T completed his Doctoral degree titled- "Dynamic Configurable Document Model to Prevent Data Leakage" under the guidance of Dr. Rajashekhar Pateel from VTU, Belagavi.

Dr. M. Sridevi, has been conferred with Executive PG Programme in Data Science by IIIT-Bangalore and successfully completed one-week Immersion Program at the School of Computer Science and Mathematics, John Moores University, Liverpool, UK in February, 2024.

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

The Department of MBA started in 2022 with the prime objective of bestowing quality management education. The intake of the department of MBA is 120. The department is enriched with a team of qualified and experienced faculty members who are committed to offering the best management education through structured curriculum and through various value-added programs such as a series of guest lectures, seminars, workshops, case-based learning, course assignments, and industry interaction to bridge the gap between industry and academia. The students will be equipped with managerial, leadership, and entrepreneurial skills to address the challenges in society and the corporate world through innovation. The department provides placement assistance and trains students to make them corporate-ready.



Dr. Jyothi E Singh

Associate Professor and HOD(I/C)

The department of MBA signed a MoU with Excel R Edtech Pvt Ltd., a subsidiary of ExcelR Houston, USA, on December 22, 2023, at BMSIT& M. The MoU mainly focuses on student and faculty development programs on different emerging software technologies. Through this MoU, budding MBA graduates can play a key role in the technological advancement, innovation, and competitiveness of an industry and enhance their skills and knowledge.

VISION

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

MISSION

The department commits itself to achieve the vision through:

- Imparting management education that employs students with ethics, knowledge, skill, and attitude to exhibit managerial expertise.
- Nurturing innovative thinking and creativity to promote leaders and entrepreneurs.
- Fostering a research culture to enhance analytical and critical thinking abilities.

DEPARTMENT STATISTICS AT A GLANCE

- No. of students (PG) - 172
- No. of Doctorates - 07
- Faculty Count - 09
- No. of Research Scholars - 01
- No. of FDP & Workshop/Seminar/ Expert talk - 06
- No. of publications - 03
- Faculty Achievement List - 01
- Student Achievements - 04
- Club Activities/ Professional Society activity - 02



Faculty Achievement:

Dr. Nethravathi, Assistant Professor, Department of MBA, has received the prestigious Golden Aim award in the category of most innovative educator and researcher on March 2, 2024. Dr. Balu L., Professor, Department of MBA, is a resource person for various international conferences and is also on the editorial board of various recognized journals across the country. He is also being designated as an external evaluator for the Ph.D. theses of prestigious institutions. Dr. Nethravathi and Dr. Vinay, faculty members of the Department of MBA, were the resource persons for the “Entrepreneurial Talk” event that was jointly organized by the Department of ISE and the Department of CSE of the BMS Institute of Technology and Management on February 27, 2024. The event was mainly aimed at inspiring, educating, and empowering the students to explore the possibilities of entrepreneurship while emphasizing the importance of financial literacy in their journey.

Dr. Jyothi E. Singh has published a book titled “Ai in Fundamentals of Financial Management” under Cosmos Scientific Publication. Dr. Balu L. has published a book titled “Diversity and Inclusion in the Workplace: Best Practices Globally” under More Books Publication.

Student Achievement List:

MBA students from the II Semester, Deepasha Singh, Showrya G. N., Harshini S., and Soumya Naik, alongside Dr. Balu L., Professor and HOD of the MBA department, presented case studies at SDMIMD, Mysore, on September 15, 2023. Covering diverse topics such as mental health care, education societies, socially responsible organizations, and a deaf school, the presentations showcased the students' engagement with real-world scenarios and the department's commitment to practical learning.

The students of the Department of MBA presented a paper at the 8th Nitte International Conference, “The Post-Pandemic Resurgence: The Challenges and Concerns,” on December 28th and 29th, 2023. Three papers from seven students were co-authored by Dr. Jyothi E. Singh.

Our students have actively participated in numerous prestigious management festivals organized by esteemed academic institutions. Their hard work and dedication have been rewarded with several prizes, showcasing their skills and knowledge in the field of management. This consistent achievement not only highlights their individual talents but also brings honour to our institution.

Management Conclave:

The Department of MBA organized a Management Conclave on Emerging Management Paradigms to Enrich Managerial Competencies on February 16, 2024. The main aim of this management conclave was to offer participants a multifaceted experience, encompassing knowledge enrichment, skill development, networking, and exposure to industry dynamics. The resource persons for the events were Mr. Srinivasan V. (Expert in Strategic Alliances, Customer Success, and Business Strategies, Ex-Wipro/Microsoft), Mr. Chethan Belgur (Director of Software Engineering, Accenture), and Mr. Suhas Koushik (Assistant Manager, KPMG).



One day Training Program on Human Rights

The Department of MBA, BMSIT&M, organized a one-day training program on human rights for postgraduate students on 21.3.2024 at its campus. The event was sponsored by the National Human Rights Commission (NHRC). The purpose of the training program was to inculcate knowledge and create awareness about human rights among students. The other aim of the training program was to enable the students to learn about constitutional provisions, human rights institutions in India, rights of various groups, etc.

The resource persons for the training program were Capt. Sanghamitra Boreddy (Retd. Army), Senior Manager, International HR at Amentum; Dr. Anita A. Patil, Associate Professor, Co-Ordinator Centre for Women and Child Welfare Policy, Ramaiah College of Law, Bengaluru; Dr. Ramya K., Assistant Professor, BMS LAW College; and Dr. Chetan Singai, Dean, School of Law and Governance, Chanakya University, Bengaluru. Chief Consultant and Convenor, TS, National Curriculum Framework, Ministry of Education, GoI.



DEPARTMENT OF PHYSICS

The Department of Physics was established in the year 2002. The Department has well experienced and qualified teaching and technical staffs. The department has 10 teaching faculty members with doctorate and 3 technical staff members.

The department caters to the needs of all the engineering branches as it is a basic science department at first year. Autonomous syllabus is framed as per stream wise by incorporating hands-on training, simulations, and applications-oriented contents in the syllabus.

The Engineering Physics Lab is well furnished with latest equipments and all necessary amenities.

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's talks. Our faculty members have received research grants from various agencies like DST-SERB, VGST and successfully completed number of projects.

The Department has been recognized by VTU as a Research Centre since 2014-15. The Centre for Advanced Materials Research lab (CAMR) for the purpose of research has been set up to enable faculty members to pursue experimental research in the field of nanotechnology and solar cells. The research lab is equipped with instruments useful for Nano material characterization along with basic synthesis facilities. Facilities are open for characterization of samples for external institutions/industry.

At present 11 scholars are registered for their Ph. D. programme under VTU and 3 Research scholars have completed their doctoral degree from our research center.

Dr. Harish Sharma Akkera, Assistant Professor, received grants from DST, SERB of 30 Lakh rupees for his proposal on "Flexible Ga203 solar-blind UV photodetectors for wearable and smart skin device applications.



Dr. R. Lokesh

Associate Professor & Head

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 (UG) - 473
- No. of Doctorates - 10
- Faculty Count - 10 Teaching staff + 03 Technical staff
- No. of Research Scholars - 11
- No. of FDP & Workshop/Seminar/ Expert talk - 04
- No. of publications - 10
- Faculty Achievement List - 03
- Student Achievements - 03
- Club Activities/ Professional Society activity - 04

DEPARTMENT OF CHEMISTRY

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.

Department has secured funding for 4 projects from SERB, 2 from DST, 1 from VGST, and 1 from VTU. The research span of the department include a wide

array of fields like battery fabrication, material synthesis, electrochemical analysis, polymer materials, corrosion studies, and organic synthesis. Additionally, our R&D center provides facilities for electrochemical energy storage, battery and supercapacitor fabrication, and testing to external users at a nominal fee.

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



Dr. Jyothi C Abbar

Associate Professor and HOD

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 students (UG) – 473
- No. of Doctorates – 09
- Faculty Count – 09
- No. of Research Scholars – 07
- No. of FDP & Workshop/Seminar/ Expert talk – 01
- No. of publications – 23
- Faculty Achievement List – 02
- Student Achievements – 03
- No. of Book Chapters published – 04

DEPARTMENT OF MATHEMATICS

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. Students requiring extra help in Mathematics are identified and special classes are conducted for them to enable them to perform well. As a result of the sincere effort of the team the department has been consistently obtaining excellent results in the VTU examinations. The department is a recognized VTU research centre for pursuing Ph.D. in Mathematics. Three scholars completed their Ph.D. from the department and three 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. The Department of Mathematics received one funded project worth Rs. 6.4 Lakhs from the DST, New Delhi.



Dr. Karabi Sikdar
Professor & HOD

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 Doctorates - 12
- Faculty Count - 13
- No. of Research Scholars - 05
- No. of FDP & Workshop/Seminar/ Expert talk - 10
- No. of publications - 09

Faculty Achievement List –

- Prof. Anitha Kiran, Assistant Professor, Department of Mathematics successfully completed her final Ph.D., viva voce with thesis title “Modelling and Analysis of Queueing systems in the agriculture sector” under the guidance of Dr. Karabi Sikdar on 05.04.2023 from VTU.
- Dr. Karabi Sikdar-Selected as a Local Advisory Committee for 4th International Conference on Recent Trends in Applied and Computational Mathematics (ICRTACM-2023), organized by School of Applied Sciences, Department of Mathematics, Reva University, 30th & 31st October, 2023.
- Two Ph. D students, Dr. Rema V and Dr. Anitha Kiran, completed their Ph. D. under the guidance of Dr. Karabi Sikdar
- Dr. Arnab Bhattacharyya – Reviewed a research article for the journal “Scientific Reports”, on 01st June 2023.
- Dr. Aruna Kumara H-Reviewed a research article for the journal “Mathematics, MDPI publication (Q1 journal, Indexed: Scopus, SCIE)”, 28th June 2023
- Dr. Aruna Kumara H-Reviewed a research article for the journal “Mathematics, MDPI publication (Q1 journal, Indexed: Scopus, SCIE)”, 19th June 2023
- Dr. Aruna Kumara H-Reviewed a research article for the journal “Journal of Mahani Mathematical Research”, 19th June 2023
- Dr. Annamma Abraham - Member of the Advisory Committee and Panelist in the National Level Conference on “Innovations in Commerce, Management, Technology & Information Science” organized by Bishop Cotton Academy of Professional Management, held on 26th May 2023
- Dr. Annamma Abraham - Program Committee member for the International Conference on Artificial Intelligence and Education 2023 (ICAIE 2023)

Students who scored 100 marks in
BMATE201/BMAT201/BMATM201/BMATC201

1.1BY22IS100
NETRAVATI
RAMACHANDRA HEGDE
ISE/II

2. 1BY22IS112
PAVANI A M
ISE/II

3. 1BY22IS127
RAIHAN BATOOOL
ISE/II

Students who scored 100 marks in
BMATE101/BMAT101/BMATM101/BMATC101 :

1. 1BY22AI073
PRATHANA I A
AIML/E

2. 1BY22AI082
S S APOORVA
AIML/E

3. 1BY22CS015
AJAY KUMAR RAUNIYAR
CSE/A

Students who scored 100 marks in (21MA21)
Advanced Calculus, Laplace Transforms & Linear Algebra

1.1BY21EC088
MOTAPHALE AMIT MAHENDRA
ECE-I

2. 1BY21IS027
AMITH VIKRAM RAJARAM
ISE-D

3. 1BY21IS126
RAGHVENDRA SHARMA
ISE-E

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

The Department of HSS was established in October 2021 and is headed by Prof. Tejaswini B J, Assistant Professor, I/C Head. The department is comprised of English faculty, Dr. Kavitha B Harihar, Dr. Sandhya Devi B K and Kannada visiting faculty, Prof. Shivakumar H K and Krishnappa S. Department handles language courses like Communicative English, Professional Writing Skills in English, Samskruthika Kannada, Balake Kannada and mandatory courses like Constitution of India and Professional Ethics, Intellectual Property Rights and Cyber Law, Universal Human Values, Sports, NCC, Music, Yoga, NSS and Indian Knowledge System.

Apart from the above academic activities, HSS Department conducted the following activities:



Mrs. Tejaswini B. J.
Assistant Professor and HoD(I/C)

1. A student workshop on Universal Human Values for all the fourth-semester students was conducted on 18th August 2023 in association with Disha Bharat, a non-profit social initiative imparting values in the domain of higher education with the motto – “शीलमेव परम धनम्” (Sheelameva Parama Dhanam). The workshop provided participants with a dynamic and interactive experience that combined quiz, yoga and mini-games to explore human values, enhance self-awareness and deepen knowledge of their country’s culture and heritage. Around 800 students from various departments attended this workshop, conducted in five parallel sessions.



2. As part of the activity-based learning under NSS mandatory course, students visited GKVK College where they were learnt about Organic farming. Students also participated in activities like watering the plants, plastic removal, plogging around Avalahalli Lake, creating awareness on various social schemes to people of Avalahalli, Yelahanka, Bangalore. These activities were conducted in February 2024.

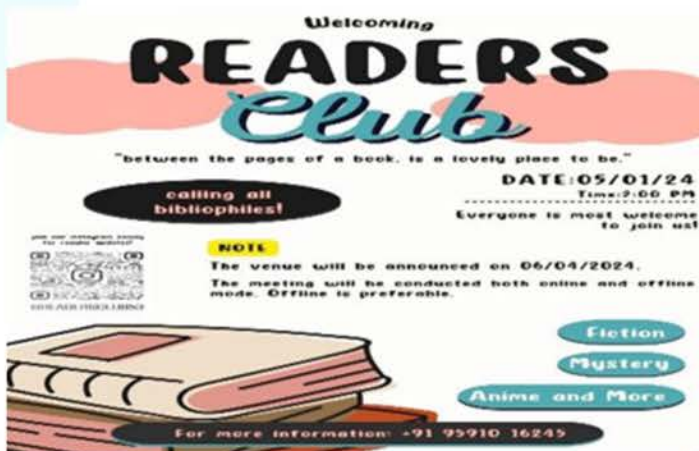




3. Department conducted Communication Skills Training program for engineering and MBA students to develop and enhance soft skills and presentation skills from June to September 2023. These courses attempted to enhance personal and professional skills along with team-building skills.



4. Department inaugurated the Readers Club of BMS Institute of Technology and Management on 5th January 2024, which marked a significant milestone in fostering a culture of reading within the academic community. Students and faculty gathered to celebrate their love for literature and embark on a journey of intellectual exploration. The inaugural session commenced with an ice-breaking session where participants shared anecdotes about their first encounters with literature, creating an atmosphere of camaraderie.





CLUBS/ CELLS/ UNIT PROFILES

CULTURAL EVENTS

Utsaha Vaibhava a Annual Techno Cultural Fest was organized on June 23rd and 24th 2023 in association with BMS School of Architecture. On 23rd June 2023, the fest was inaugurated by sandalwood celebrities namely Sri Niranjan Deshpande, Smt Ragini Prajwal and Sri Santosh Aryan accompanied with Chairman of BMSIT&M and BMSSA, Principal-BMSIT&M, Director- BMSSA, Vice Principal-BMSIT&M, Dean Student Welfare, Chief Coordinators of Utsaha Vaibhava, BMSIT&M and BMSSA, Student Coordinators. After the inauguration series of cultural, technical, roar, fine arts, and sports events were conducted at various venues in the institute. In the evening fashion show was judged by the celebrities namely, Sri Chandan, Smt Kavitha Gowda, and Miss Rachana Inder. On 24th June 2023, Celebrity Mr. Rakesh Adiga, inaugurated the Dance events. Students from various colleges participated in the Techno Cultural Fest and bagged many prizes out of 30 different events conducted.



Dr. Sowmyashree M. S.
Cultural Coordinator
Assistant Professor
Department of ETE



UTSAHA VAIBHAVHA 2023

To mark the 77th Independence Day of India, BMS Institute of Technology and Management in association with BMS School of Architecture organized Independence Day Celebration followed by flag hoisting and cultural programmes on 15th August 2023. The programme began on the campus at 8.30 AM with flag hoisting by the Principal of BMSIT&M and director of BMSSA. The NCC cadets presented their special drill marking the joy of 77th Independence Day.

The cultural event was organized in the seminar hall which includes patriotic song and dance.



INDEPENDENCE DAY

Kannada Rajyostava was celebrated on 1st of November 2023 at our college premises. The chief guest Dr B V Arathi along with Principal and Vice Principal hoisted the state flag. Dr Arathi spoke about the importance of Kannada in various fields and its importance in our day to day life. Principal also insisted on the importance of kannada in educational sector and business field. In continuation to this Kannada sangha HONNUDI organised various cultural and technical events on 17th November 2023 and distributed the prizes for the winners in debate, song competition both solo and group for students and faculty members.



KANNADA RAJYOSTAVA AND KANNADA HABBA



REPUBLIC DAY

The 75th Republic day of India was organized by BMS Institute of Technology and Management with flag unfurling and cultural programmes on 26th January 2024. The NCC cadets presented their special drill marking the joy of 75th Republic day followed by the cultural events with an invocation song and other patriotic song, skit and dance. Director, BMSSA Dr Shaila Bantanur addressed the crowd about 13th century and equality in mogal kingdom. In the presidential address, Dr Mohan Babu G N, Principal, BMSIT&M, appreciated the performance of NCC cadets, and also spoke about green evolution, Swaminathan revolution. From the institute around 32 students received scholarship "Late Sri B M Sreenivasaiah Merit Scholarship" for the academic year 2021-22.

Milanotsava 2024 was organized on 19th January 2024 and 20th January 2024 at BMS Institute of Technology and Management. This event was organized to bring all the staff members of BMS Educational Trust under one umbrella to exhibit their sports and cultural talents. More than 400 participants from 12 BMS Educational Trust institutions participated in sports and cultural events like Chess, Badminton, Cricket, Tug-of-war, throwball, volleyball, group dance, group song and solo singing.



TRAINING AND PLACEMENT SECTION

VISION:

Foster Sustained Excellence in Training and Placements

MISSION:

Train the Students to make them Industry Ready and Enhance Employability of the Students to Serve Various Sectors of Engineering.



Dr. Manjunath T N
Dean, Career Guidance



Mrs. Ambika Rani Subhash
Training and Placement Officer

FROM DEAN CAREER GUIDANCE DESK

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 first batch of students. Though we had a humble beginning, with the support from BMS Educational Trust and strong alumni, we could achieve considerable breakthrough in providing ample opportunities to our students over the years. Today, our alumni are present in about 300+ organizations across the globe. The placement section is regularly discovering ways to make students more and more employable by providing internships, inviting startups for recruitment, alumni interactions on industry standards/expectations etc.

The Placement and Training cell 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.

HIGHLIGHTS 2024 BATCH



Top recruiters like AMAZON, PHONEPE, LOWES, DATAINSIGHTS, MONEY VIEW, NEWFOLD DIGITAL, ANZ, CARL ZEISS, BLACKHAWK, UI PATH, POLARIS, GALAXE SOLUTIONS, SIMENS HEALTHINEERS regularly visit campus.

Last 5-Years Statistics

2020 Batch		2021 Batch		2022 Batch		2023 Batch		2024 Batch* (As on 30.04.2024)	
No. of Companies Visited	No. of Offers	No. of Companies Visited	No. of Offers	No. of Companies Visited	No. of Offers	No. of Companies Visited	No. of Offers	No. of Companies Visited	No. of Total Offers
119	573	132	724	312	1100	281	1126	190	784

HIGHLIGHTS OF 2024 BATCH

STUDENTS' TRAINING: Timely placement training on Aptitude and soft Skills imparted to all the pre-final year UG & PG students. Employability assessment tests were conducted for students by HackerEarth, 10seconds, Bizotec and Seventh-sense platforms to assess the readiness of the students and make them more industry ready.

M./s LTIMindtree: The Principal and Professors visited LTIMindtree AR-VR Facility on 09th Aug 2023.



M./s Cognizant: On 07th September 2023 TPO and Students attended Cognizant Digital Nature Technoverse at Mysore.



M./s Cognizant: Cognizant Digital Nature Technoverse 2023 on 10th October 2023.



M./s Salesforce Education Summit: Salesforce Education summit on 02nd November 2023.



M./s Cognizant: TPO and Students attended on 07th September 2023 Cognizant Digital Nature Technoverse 2023 at Mysore.



BICEP

BMS INNOVATION CENTRE AND ENTREPRENEURSHIP PARK

BMSIT&M established the BICEP - BMS Innovation Centre and Entrepreneurship Park - Incubation Centre 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), it enables firsthand entrepreneurship experience, promotes innovation, and offers comprehensive support including space, mentoring, training programs, networking, and more.

BICEP Incubates: BICEP is housed with 4 companies with rooms allotted to 2 of them on 21st October 2023 on the auspicious day of Ayuda Puja



A. DOSTBIN team (Dr. Seema Singh, founder and 3 ETE students) bagged prizes and funds worth Rs. 1.86 lakhs in year 2022-2023. Their achievement in year 2023-2024 as follows:

S. N	Event	Date
1	India Startup Festival - Cash prize of Rs. 25,000 by ISF founder, Mr. J A Chowdhary.	August 6 th 2023
2	Manthan - Cash prize of Rs. 10,000/- at Sir M V Auditorium, FKCCI , Bengaluru.	Sept 20 th 2023
3.	Selected for online cohort by IIT Madras GDC, Centre for Innovation & Entrepreneurship	Aug - Sept. 2023
4.	Selected for online cohort by PABI (Punjab Agri based Incubator), by PMKY initiative	Nov to Jan 2024
5.	Selected for NASSCOM Startups-Tech.We: Top 14 women led technical innovation.	Jan 31 st 2024
6.	The Next Founders Inter College Business Plan Competition: Cash prize of Rs. 25,000 by Dr. Manish Kothari, Founder of ISBR Business School	February 10 th 2024
7.	DostBin Startup received DPIIT recognition certificate	January 2024
8	Elevate 2023 Call - 2: secured a Rs. 23,00,000/- Grant in Aid as the Elevate winner	February 2024
9	IIT Madras - Carbon Zero Challenge 3.0 & 4.0 received 5 lakhs fund & mentoring	April 25 th 2024
10	Registered under Karnataka Startup Cell	March 25 th 2024

A.DELOAI: Founded by LOKESH and JITENDRIYAN, ISE dept students after winning Smart India Hackathon 2022. They offer IT services and are developing an EdTech product aimed at revolutionizing education.

Awards:

1. **Inter College Coding Competition:** SJB Institute of Technology's organized CODE Fiesta Event on December 22nd and 23rd, 2023. ISE, 5th semester team won the 1st prize of INR 25,000 with their mobile app project, Souls-Script. The winning team comprised Mr. Raghav Kumar Jha and Mr. Krishna Gupta, under the guidance of Dr. Swetha M S.



2. **Indian Karting Race (IKR) -2023 competition:** A team led by Faculty Coordinator Dr. Shripad Diwakar and comprising 11 students from the Department of Mechanical Engineering represented BMSIT&M. Winning the "Future Award" and a cash prize of Rs. 5000. Financial support for the project's execution (Racing kart fabrication and integration) was provided by BICEP.



FINANCIAL ASSISTANCE AND FUNDING:

a) **FACULTY DRIVEN PROJECT:** The BICEP Innovation centre funds hardware project targeted for societal applications. These projects are executed by faculty members to have an outcome as market launch, patent or paper publications.



Details of funding received by faculty members is as below :

S.N	Faculty Name	Project Titled	Amount
1	Prof. Nirupama B K, Dept of MCA	Smart Perfume Dispensary device	30,000/-
2	Dr. K Suresh, Dept of Chemistry	Development of food quality monitoring labels/ stickers	30,000/-
3	Dr. Ravichandra K R, Dept of ME	Robotic Aerial and Planetary Terrain Operation Rover	1,00,000/-
4	Dr. Dhanalakshmi, Dept of CSE	Crab style wheelchair	20,000/-
5	Dr. Vijayalakshmi, Dept of ECE	Smart footwear for visually impaired community	35,000/-
6	Dr. Shilpa Hiremath, Dept of ECE	Solar powered floating waste cleaner for small water bodies	11,345/-
7	Dr. Rashmi, Dept of ECE	Ultrasonic parametric acoustic array (USPA)	75,000/-
TOTAL			3,01,345/-

b) Indian Karting Race: Indian Karting Race (IKR) Student Go-Kart design and manufacturing competition. The execution of IKART-2023 project work was financially supported by BICEP of BMSIT&M. Rs. 2,87,000/-

b) Dostbin Product Development Rs. 2,45,000/- was given as seed fund for market ready product development.

c) KPIT SPARKLE: Team led by Dr. Rashmi N, Dept. of ECE, along with final year students, competed in KPIT Sparkle 2024, They received medals and certificates, financially supported by BICEP with Rs. 28,900/-.

d) IDE Bootcamp organized by MIC & AICTE NITTR Chennai, financial support given for Rs. 17,500/-

1.BAGUSK: Prajwal V Dev, Manoj.G, NITTR Chennai,

2.Moving lasers for CT Simulation: Tejas, NITTR Chennai

3.DELOAI: Lokesh, Jitendriyadeep, IIT Guwahati

e)Global Innovation Competition at CAPE Institute of Technology, Kanyakumari". Two teams were supported with Rs. 10,500/- each.

a.BAGUSK: Prajwal V Dev, Manoj.G

b.DostBin: R Venkatesh, Narasimha Murthy, Shumail Ali Khan

INTER COLLEGE COMPETITIONS:

a.Code Red 24 Hrs. Hackathon

The 24-hour hackathon, CODE RED'24, launched on December 23, 2023, with 785 registrations. Final round held at BMSIT on January 13th & 14th 2024. Winners were Team COOKIE ARMY (Vidhyavardaka College of Engineering), Team ELITE (BMSIT&M), and BYTE FOR BAIT (Reva University).



b) Anveshana National Level Competition:

ANVESHANA '24, our flagship national-level prototype competition had 86 registered teams and was executed from November to February 2024 with a prize pool of 2,25,000/-. The top 3 prizes were awarded to projects from RVR & JC College of Engineering, Dayanand Sagar Academy of Technology and Management, and BMSIT&M. Additionally, ten teams received consolation prizes for their exceptional ideas and prototypes.



C) Annual Technical symposium – Tech Transform 2023

TECHTRANSFORM 2023 – EMPOWER was inaugurated on 22nd December, by distinguished Chief Guest, young entrepreneur Shri Nikhil Bhaskar, Co- Founder and Chief Product Architect, Kidvento education and Research Pvt. Ltd. along with Principal and others. A total of 9 UG and 2 PG departments participated in this event. During these 2 days event the prize money for various events was Rs. 85000/-.



Panel discussion held on 23rd December by distinguished entrepreneurs from various domains, namely Dr. M.T. Aravind, CEO, Ramaiah Evolute, Mr. Pramodh B.N. Founding partner, Ground Up Charter member, TIE, Mysore, Mr. Bhaskar Enaganti, CEO & Founder, socially good Marketplace and Mr. Basu Girenavar, Chief Scientist and Managing Director, Criyagen Agri & Bio tech & Agri App. They discussed about their experience of startup journey in India and abroad. They motivated the students to move forward to becoming successful entrepreneurs. The event was enjoyed by all the students.

INSTITUTION'S INNOVATION COUNCIL:

The IIC program, initiated by the Ministry of Education with AICTE, fosters innovation and entrepreneurship in higher educational institutions. To promote this ecosystem on campus, several events have been organized.

A) Open Course: BICEP's "Innovation and Entrepreneurship Bootcamp" from June 12th to 16th, 2023, engaged 60 students with a diverse panel of external experts. Topics covered included market research, business planning, MVP development, branding, legalities, disruptive technologies, entrepreneur skills, and critical thinking. Experts included Santhosh Bishnoi, Abhilash M, Anil J., Chandesh, Akhil, Srikanth, Mohan, and A. H. Sagar.

B) Expert Talk: A series of expert talks and sessions on various aspects of innovation and entrepreneurship have been conducted, engaging professionals and students alike. These sessions included discussions on topics such as

S.No	Name	Session	Date
1	Mr. Raghavendra G Shetty	Innovation opportunities under industrial IoT	27.06.2023
2	Mr. Ratnakar Shastry,	Converting Innovation into a Start-up	11.07.2023
3	Mr. Akhil	How to Start a Start-Up, Legal & Ethics	18.08.2023
4	Ms. Remy Alexander	Digital Transformation in Healthcare	16.02.2024

C) IIC 6.0 meeting: Annual meeting of the Institution's Innovation Council (IIC) 6.0 took place on January 6th, 2024, at BMSIT&M. Notable suggestions included collaboration with government organizations for projects, starting innovative initiatives from the first semester, and emphasizing strategic planning and business models. The winner of the BICEP logo competition was also awarded during the event. Key attendees included external panel members, department heads, and faculty coordinators from BICEP.

D) BICEP Logo competition: The BICEP team launched a Logo competition and the final logo debuted on August 21, 2023, World Entrepreneurs Day.

E) World Entrepreneurs Day: A Panel discussion on "Sustaining startups" featuring esteemed alumni entrepreneurs held on August 21, 2023, at BSN block 1st floor E-Studio.

F) Smart India Hackathon: An Internal Hackathon for SIH 2023 took place on two separate days in September with 28 teams. They presented solutions to various problem statements proposed for SIH 2023 by industries and organizations. The top 20 ideas were shortlisted, out of which three teams were selected at national level in different states.

G) National Entrepreneurs Day Celebration: A keynote speech was given by Mr. Basavaraj C H on November 24, 2023, with his valuable insights on entrepreneurship. Additionally, BICEP organized the ADVERT 1.0 event, where 28 teams competed to create innovative marketing campaigns. The winners were Team 11/9, Wheelers Dealers and Moya Marketers

H) Airport Drone aviation event: On July 31st -August 08, 2023, Bangalore International Airport Ltd hosted an awareness event on airport security, featuring drone technology. BMSIT&M showcased drones' significance in airport security at the departure terminal, with demonstrations by Aeroclub students including Mr. Kshiti, Mr. Vaibhav, Mr. Shishir, and Mr. Harsh Yadav. Prof. Madhu M C, BICEP Innovation Coordinator, coordinated the initiative.

I) Regional Meet of IIC 6.0 on 9th December at Reva University:

The Regional Meet of IIC 6.0 took place on December 9th at Reva University, featuring pitch presentations exhibitions by innovative teams. Among the four pitch presentations were projects like Dostbin, focusing on self-composting machines, DELOAI for integrating AIML in classrooms, Adaptive Ambulance Monitoring System, and Fall Detection in Vehicles. In the exhibition, projects included Dostbin, Bamboo-reinforced precast concrete compound wall panels, and Enhancement of physical properties of black cotton soil.

J) Aero Club Workshop: From January 20-23, 2024, BICEP's Aero Club conducted a drone workshop at Aarohan Lab, covering flight dynamics, hands-on drone assembly, and a final day of drone flying. The hexacopter was built using BICEP-Aarohan lab components.



INTERNSHIP:

BICEP coordinated four internship categories for 4th-semester for 149 students:

1. BICEP In-house Skill-based Internship: (20 Nos)
2. Embrequest Pvt Ltd: (52 Nos)
3. Decathlon Internship: (47 Nos)
4. Comed Kares Internship: (30 Nos)

The BICEP in-house internship completed on November 27th, 2023, with achievements in public speaking, PCB board design and digital marketing fields.



INDUSTRY VISIT:

An industry visit to COMED KARES on August 2nd, 2023, by Prof. Madhu M C and 25 members from BMSITM witnessed demonstrations of rapid prototyping and innovative projects.

On August 4th, 2023, a visit to K-tech Innovation Hub offered practical insights into startups and technologies. Students explored funding options and innovative problem-solving approaches.

ECE students visited K-Tech Innovation Hub on February 14th, 2024, where they attended seminars on entrepreneurship and innovation opportunities in Karnataka. They explored workshops featuring tools like laser cutters and 3D printers, gaining insights into the startup ecosystem and entrepreneurship.



INTELLECTUAL PROPERTY (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 : 55
No. of Patent Granted : 08
Copy Right registered : 01
Industrial Design filed : 04

YEAR WISE PATENT FILED/GRANTED DETAILS

Sl No.	Academic Year	Total Patent Filed	Patent Granted
1	2023-24	03	02
2	2022-23	05	---
3	2021-22	10	03
4	2020-21	33	03
5	2019-20	02	---
6	2018-19	01	---
7	2017-18	01	---
	Total	55	08

YEAR WISE INDUSTRIAL REGISTRATION FILED DETAILS

Sl No.	Academic Year	Application Filed
1	2023-24	01
2	2022-23	--
3	2021-22	02
4	2020-21	01
	Total No.	04

PATENT FILED DETAILS: ACADEMIC YEAR 2023-24

1) Title of the Invention: A Portable Apparatus, System And Method Of Composting Biodegradable Waste

Application Number: 202341045398, Date of Filing: 06-07-2023

Publication: 23-02-2024, Journal No.: 08/2024

Inventor: Dr Seema Singh, Professor, Dept. of ETE

2) Title of the Invention: Deep Learning-Based Rapid Post-Earthquake Damage Detection of RC Resisting-Moment Frame Buildings

Application Number:202341049037, Date of Filing: Date:20-07-2023

Publication: 01-09-2023, Journal No.: 35/2023

Faculty Inventor: Dr. Niranjnamurthy M, Department of AI and ML and others

IP AWARENESS PROGRAMME ORGANIZED AT BMSIT&M BY EXTERNAL RESOURCE PERSONS

1. IP Cell organized an Invited Talk for the students of 4th semester Civil Engineering and AI and ML on “Generative Artificial Intelligence: The New Age of Human Creativity and IP Creation” was delivered by Mr. Lokesh Venkataswamy, CEO and Managing Director, Innomanthra Consulting Private Ltd. Bengaluru on 20.07.2023.

2. IP Cell organized an Invited Talk for students of 2nd semester Electronics and Communication Engineering Department entitled “Technological Innovation and IP(Intellectual Property) Generation: Patents” delivered by Dr K T Varughese, Patent Agent and Director, ConClavit Education and Additional Director(Rtd.), Central Power Research Institute, Bengaluru on 26.07.2023.

3. IP Cell organized an Invited Talk for students of the 2nd semester Master of Computer Applications(MCA) on “IPR (Intellectual Property Rights) and IP Management for Start-ups” by Ms Tanu Singh, Entrepreneur, Patent Attorney, Startup IPR Facilitator, Intellect Vidhya Solution, Bengaluru on 31.07.2023

ONE DAY WORKSHOP ON “INTELLECTUAL PROPERTY RIGHTS”

One Day Workshop on “Intellectual Property Rights” was organised by BMSIT&M-KSCST IP Cell in Collaboration with Karnataka State Council of Science and Technology (KSCST) on 23-08-2023 by utilising seed money sponsored by KSCST, IISc. Campus, Bengaluru.

Inauguration was done by Dr. U T Vijay, Executive Secretary, KSCST, along with Mr.Nagarjun M G, Project Associate, WIPO-TISC, KSCST and team. Resource Persons and other details are as follows

1. Dr. Brinda Varma, Advocate, IP Agent delivered session on Intellectual Property Rights, types of IPRs, and Case studies on copyright and patent filing process.

2.Mr Nagarjun M G, Project Associate, KSCST delivered a session on Design Registration with examples and case studies.

3. IP Cell organized an Invited Talk for students of the 2nd semester Master of Computer Applications(MCA) on “IPR (Intellectual Property Rights) and IP Management for Start-ups” by Ms Tanu Singh, Entrepreneur, Patent Attorney, Startup IPR Facilitator, Intellect Vidhya Solution, Bengaluru on 31.07.2023

Prof. Praveen Kumar T N

Chief Co-ordinator, IP Cell

Associate Professor, Dept. of ME

Mail:ipcell@bmsit.in

HIGHER EDUCATION FACILITATION CENTRE (HEFC)

Higher Education Facilitation Centre (HEFC) was established in October 2018. Role of HEFC is to provide trustworthy, reliable, authentic information, resources and advice to prospective students. Cell is headed by Dr. Manjunath T N - Dean Career Guidance. Ms. Shama H M is in charge of the cell. Initiatives related to higher education, competitive tests are conducted by HEFC in collaboration with various organizations. Some of them are listed below.

EVENT ON FOREIGN STUDIES

One of the important factors during the application process to the universities abroad is to craft the LORs, SOP & Resume and it is also important to know what the Universities are looking for in the students. HEFC in collaboration with Education USA conducted an information session on how to craft LORs, SOP, resume and how to choose the universities in the US. Senior adviser, Ms. Anita Natarajan was the resource person of this workshop which was conducted on 28th April 2023 at BICEP between 11:30 AM to 1:30 PM. About 40 students participated in this workshop.



INFORMATION SESSIONS ON GRE AND TOEFL:

ETS India, in collaboration with HEFC, conducted several information sessions on GRE and TOEFL tests. Exclusive institutional discounts and benefits were provided to BMSIT&M students who registered for these tests. ETS offered free masterclasses for BMSIT&M students on improving vocabulary, TOEFL, GRE, UK-India TOEFL scholarships, group discussions and many more. BMSIT&M received 20 books on GRE test from ETS.



ARIZONA STATE UNIVERSITY VISIT TO BMSIT&M

BMSIT&M students apply in big numbers to Arizona State University (ASU) every year for Master's program. On 6th October 2023, Dr. Patrick Phelan, Professor of Mechanical & Aerospace Engineering, ASU addressed students regarding the research and job opportunities at their campus. Arzuhan Kavack, Senior Coordinator and Ira A. Fulton addressed students regarding the application process and the facilities offered at ASU.

Ms. Roshan Lalan, Recruitment Advisor for Graduate Program, ASU addressed student queries and informed about the Innovation and financial aid for the budding entrepreneurs at ASU. About 85 students participated in this interactive session including the alumni. The session was followed by interaction between the university representatives, deans, heads of the department, along with the Principal, Dr. Mohan Babu G N.



INTERACTION EVENT WITH MINISTER OF EDUCATION OF FINLAND ON 17TH OCTOBER 2023

The Ministry of Education and Culture of Finland, and the Embassy of Finland in India organized a networking event to welcome Ms. Anna-Maja Henriksson. This was an opportunity to interact with the experts and key stakeholders in the Finnish higher education sector. The session was to make the students to get acquainted with the Finnish pedagogy, and learn about studying and working culture in Finland.

Keynote speaker Ms. Anna-Maja Henriksson, Minister of Science and Culture of Finland extended her interest in establishing collaboration with Indian student and teaching community to strengthen the education system in both the countries. Ms. Shama H M participated in the event and interacted with Ambassador of Finland to India Mr. Kimmo Lähdevirta. Ms. Shama discussed the

possible collaboration and how to apply for different Research programs at the Finland University. The discussion was also on Employer's Point of View, industry perspective on the career opportunities in Finland, student centric teaching methods, pros for teacher & student, studying and living in Finland etc.,



UNIVERSITY OF STRATHCLYDE VISITS BMSIT&M ON 9TH NOVEMBER 2023



Mr. Robert Graham, Dr. Kepa Mendibil faculty from the University of Strathclyde interacted with the faculty of BMSIT&M for the possible collaboration. They also interacted with 3rd and 4th year students. They explained the programs at the university, internship, job offer after the master's program, and many more.

UNIVERSITY OF SOUTHERN CALIFORNIA TECH SUMMIT

University of Southern California (USC) Viterbi Tech Summit was held on January 18, 2024. USC President Carol Folt addressed the gathering. Dean, Yortsos discussed about the services and unique study structure at USC. Panel Discussion was held featuring AI Innovation within Advanced Manufacturing,

Health Care and Sustainability. The objective of the summit was to learn and understand the advancements in AI technology and how one can use AI for problem solving. Three senior Professors from USC Viterbi, Prof. Satyandra K Gupta, Prof. Shri Narayanan, Ms. Bistra Dilkina participated in the Panel Discussion on AI innovation. The key significance of the tech summit was the discussion with the individuals with a strong technical background from outstanding universities who offer innovative ideas and diverse perspectives on AI and technology utilization.



UNIVERSITY OF BATH VISITS BMSIT&M

Professor Mirella di Lorenzo from the University of Bath visited BMSIT&M on January 30th, 2024. She delivered a presentation on "Digital Innovation and Revolution". The presentation focussed on the impact of technology and digital innovations on the future of engineering and design. Prof. Mirella focused on explaining the interface of bio electro chemistry, micro engineering, sensing technology. The discussion was also on collaborative work on projects, higher education opportunities and career prospects in the UK. The session ended with Q&A with the students.



SESSION ON STUDY IN UK AND IRELAND:

SI-UK counsellors were on campus on 6th December 2023 to help students understand the education in the UK. Mr. Jaswanth, Counsellor addressed about 36 aspiring students and discussed their profiles. SI-UK is now helping the student to process the applications for masters in UK and Ireland.



LIBRARY & INFORMATION CENTRE

VISION:

To emerge as one of the best state-of-the-art information centers, catering to the curricular and non-curricular informational needs of the stakeholders and to become one's lifelong learning center

MISSION:

To build rich collection in the field of technical and allied subjects irrespective of its format, promoting its usage to the maximum extent possible and providing unparalleled library services to users.



Mrs. Anitha K.S

I /C Librarian

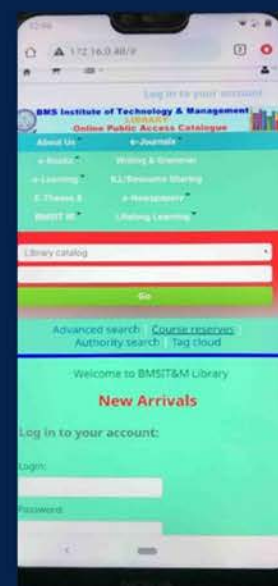
BMSIT&M Library was started in the year 2002-03, with a modest collection of 1500 books, in a small classroom. From day one, the library activities were computerized with all items barcoded. In the year 2009, the library moved to B. S. Narayan Memorial Block, a still more spacious building measuring 1712.47 sq. mt. The library is always eager to adapt newer Information and Communication Technologies (ICT). In the year 2010, the library started using Way2SMS to communicate important information like over dues, new arrivals, arrival of reserved items etc., to its patrons.

Now the library has migrated from Libsoft 5.0 version to internationally renowned, feature rich, Web 2.0 technologies, a web based Open Source Software KOHA 21.11. version.

Library OPAC, Digital Library can be accessed 24 / 7 from anywhere through 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.



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 Reference section.



REFERENCE SECTION:

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



A Digital Library has been established with 20 systems with headphones and a dedicated IBM server along with 15TB storage space. It helps browse and download articles from the subscribed/open-source e-journals, e-books, access NPTEL educational videos/ web courses.

Collections	
Books	65,409
E-books	47,913
Print Journals	113
e-Journals	12,916

e-Journals packages		
Packages	Qty.	URL
IEEE-POP All	1,785	https://ieeexplor e.ieee.org
IEEE-ASPP	198	
Elsevier Science Direct	1,593	www.sciencedire ct.com
Springer Nature	1,489	https://link.spring er.com
Taylor & Francis	893	https://www.tan dfonline.com
Emerald	246	https://www.eme rald.com/insight
ProQuest Engineering	6,712	https://www.pro quest.com
Total	12,916	

e-books packages		
Packages	Qty.	URL
EBSCO	23,900	https://web.p.ebscohost.com/
Taylor & Francis	5,412	https://www.taylorandfrancis.co m
ProQuest Engineering	123	https://www.proquest.com
Emerald	24	https://www.emerald.com/insigh t
Elsevier Science Direct	436	www.sciencedirect.com
New Age International	220	https://digital.elib4u.com
Springer	14,405	https://link.springer.com
Cambridge University Press	94	https://www.cambridge.org/core
Pearson India	80	https://elibrary.in.pearson.com/ Access Code: BHX-0Zb-IAk
Others	3,219	Downloaded through PDF drove
Total	47,913	

BMSIT&M Library is a member of VTU Consortium for e-Resources and has access to the following e-Resources

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 06 th Jan. 2023 , BMSIT&M NDLI-Club in association with Placement & Training Cell had organized a lecture on “A Talk on Career opportunities” by Dr. T N Manjunath
2.	On 21 st June 2023 , BMSIT&M NDLI-Club organized an Expert talk on the topic “Essential of Income Tax Compliances and Personal Tax Planning” by Mr.Raveendranath Kaushik
3.	On 10 th Nov. 2023 , BMSIT&M NDLI-Club organized an Training session on “Know how you can be a great mentee through IEEE Xplore” by Mr.M.S Srinivas
4.	On 22 nd Mar 2024, BMSIT&M NDLI-club organized an Training session on “Introduction to EBSCo e-resources” by Mr M.S Srinivasa

WOMEN EMPOWERMENT CELL

Women Empowerment Cell (WEC) at BMSIT&M was established in the year 2010. WEC is a cell made to help sensitize students towards the various problems faced by women and other gender-based issues. WEC empowers women to face the present challenges by providing tools and techniques that help to eliminate individual stress. The responsibility of the Women Empowerment Cell is to follow the Mandatory Guidelines of the university, regarding the security arrangements for Girl Students and Women staff at the Institution.

Chief Coordinator of the cell is Dr.Anitha V R, Associate Professor, Dept. of ECE and the Coordinator is Dr.Radhika K R, Assistant Professor, Dept. of CSE. Under this cell, various activities were organized for the benefit of Women.

The various activities were organized during the last year from July 2023 to June 2024 is as follows:

- On 15th Dec 2023 the cell organized talk on “Sexual Harassment of women at workplace (Prevention, Prohibition and Redressal) act 2013”, for the students of BMSIT&M. Mrs. Tejaswini B J, Head of Humanities and Social Sciences Department and Dr. Geeta Amol Patil, Department of ISE were the speakers for the event.
- A Seminar on “Personality Development and Menstrual Hygiene” was held on 12th Jan 2024 for students and employees of the college. Mrs. Shwetha Rajeev, Image Consultant and Soft Skills Trainer, Bangalore and Mr.Sarvesh S Batni, Training Manager, L&T F, Bangalore were speakers of the event.



- Cell celebrated women's day on 15th March 2024. Chief Guest Dr. Balamati Choudury, Scientist, CSIR-NAL, Bangalore honoured the celebration. The chief guest spoke about equality in society. She also highlighted on importance of women being Atma Nirbhar. Vice principal, Dr. Anil GN, spoke about Nari Shakti, the capacity and strength of women. The presidential speech was given by Principal, Dr. Sanjay H. A. highlighted research funding available specially for women candidates. The program was concluded by Vote of thanks by Dr. Anita V R.

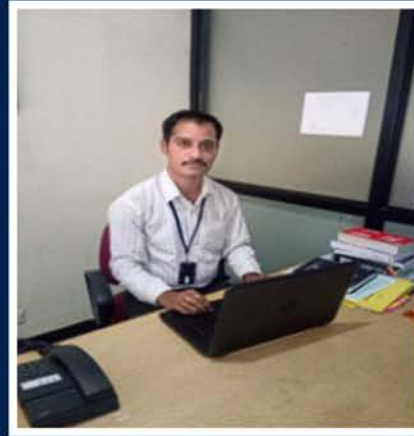


- On 20th April 2024 event Application Development and Data Insights using "Oracle APEX" - Low Code Application Development Platform was conducted by the cell. Resource persons from Oracle enriched the program.
- Cell conducted India's First Women Empowerment Maritime Fest 2024 on 30th April 2024. Captain Subhendu Hati, Head, Lonavala Campus Samundra Institute of Maritime Studies, Indian Merchant Navy were the speaker of the event.

PUBLIC RELATIONS AND MEDIA CELL

CELL MEMBERS:

- Mr. Venkatesh A, Public Relations Officer
- Mr. Lokesh, e-Studio, Staff Member
- Mr. Vishwanath Desai, Staff Member, AI&ML Dept.
- Mr. Aryan Agarwal, Student Member, ISE Dept.



Mr. Venkatesh A
Public Relation Officer

ABOUT THE CELL:

Media Cell was established in 2019 February, with an 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 continuously striving towards the betterment of our Institution.

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

VISION:

To help BMSITM to reach greater heights by effectively communicating and sharing our success stories with all the stakeholders and the outside world.

MISSION:

To publish BMSITM articles in good, reputed Media channels, attract talented students and teachers to guide students to solve the problems of Industry and society at large.

RESPONSIBILITIES:

- To give wide publicity to the events of our Institute in both Social and Print media.
- To publish Student and Faculty articles in media.
- To make all media related arrangements that are conducted by BMSIT&M.
- To encourage young Students to take tasks like: article writing & publishing, digital marketing etc.
- To promote all the courses of our Institution.

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS

'VISION' OF SPORTS DEPARTMENT

"To develop highly talented sports performers along with 'Professional Education' aiming at great innovations in the field of Physical Education & Sports"

'MISSION' OF SPORTS DEPARTMENT

"To create awareness of fitness through 'Physical Education & Sports Activities' with the spirit of healthy competition to stimulate a long-lasting attitude towards discipline, sportsmanship, hard work, integrity, creativity, leadership and social responsibility within the safe & positive environment."



LT. RANI M S

DIRECTOR, PHYSICAL EDUCATION

From The DPE's Desk: Physical Education is a universal subject where everyone needs the knowledge of physical exercise for fitness. Fitness is a basic requirement without any age factor, for which we need to encourage everyone to get involved in physical/sports activities. It is easy to say, "Sound body had sound mind", Health is wealth" but it is equally important to motivate everyone to involve in physical activities for a healthy society. A person having overall development of personality means one must be sound physically, mentally, and socially.

The Sports field gives fitness with pleasure, develops skills and creativity, health awareness, and increases immunity power. It teaches discipline, dedication, team spirit, aggressiveness, control on temperament, leadership quality etc. Hence the students & staff are encouraged to take part in sports activities like VTU inter collegiate tournaments and tournaments organized by reputed colleges and organizations to promote the sports people of our college. The sports department is well equipped with state of art Gym and excellent facilities for sports and games in the college premises.

SPORTS FACILITIES

OUTDOOR FACILITIES: Basketball, Tennis, Volleyball, Throwball, Ball badminton, Cricket Nets, Football, Hockey, Kho-Kho, Handball, Softball & Athletics. Etc.



INDOOR FACILITIES: Carom, Chess, Table Tennis, Shuttle badminton, kabaddi, Boxing, Yoga & Weight Lifting Etc.



Gym At College Premises:



Gym at Hostel Premises: Gym facility in Hostel premises and Students performing work out in the Hostel Gym



SPORTS ACHIEVEMENTS FROM JULY 2023 TO APRIL 2024

1. In VTU Bengaluru North Division Inter Collegiate Table Tennis Tournament-2023-24 women's team secured 1st place.



2. The VTU Bengaluru North Division Tournament was held at SVCE Bengaluru on 27th and 28th November 2023 and qualified for the VTU State Level Tournament.



3. In VTU State Level Weightlifting competition 2023-24 BMSITM students

a. Mr. K Nitish of 4th Sem ISE has lifted a total weight of 140 kg in 67 kg category in men's section and secured silver medal. (He cleared weight in snatch 65 kg and in Clean & jerk 75kg).



b. Ms. Shinola M F of 4th Sem CV has lifted a total weight of 48 kg in the 55kg category women's section and secured the bronze medal. (She cleared weight in snatch is 23kg and in Clean & jerk She cleared 25kg).



4. In VTU State Level Powerlifting Competition 2023-24 BMSITM students Mr. K Nitish of 4th Sem ISE lifted a total weight of 409 kg to secure the gold medal in 66 kg category Men's section.

a) Squats he lifted 130kg



b) Bench press he lifted 77 kg



c) Deadlift he cleared 202 kg



5. Director of Physical Education. Mr. Mallikarjunagouda B Patil has been nominated as the Chairman of the committee of VTU (M&W) team selection trials and also he was nominated as coach of VTU Basketball (M) team along with Mr. Sharvesh S 5th EEE as VTU Basketball (M) team member to participate in the All-India South Zone. Inter University Basketball (M) Tournament was held at Kerala University Trivandrum Kerala from 13th to 17th November 2023.



6. Mr. HARI RAJIV of 1st Sem ECE, has been selected to represent KARNATAKA Under 19 team to participate in the "BCCI UNDER 19 COOCH BEHAR TROPHY 2023-24" organized by Board of Control for Cricket in India during December 2023 to January 2024.



7. Mr. SAMARTH SRINIVAS of 3rd Sem, EEE, has been selected to represent "KARNATAKA" state to participate in the "61st NATIONAL INLINE HOCKEY CHAMPIONSHIP" to be held from 10th to 25th December 2023 at Chandigarh, Punjab. Karnataka Team secured 4th place in the nationals.



8. In "SPARDHA-2023" tournament organized by CMR Institute of Technology, Bengaluru on 13th of December 2023, women Team Secured 1st place.



9. In "BMSCE KREEDOTSAVA 2023 A State Level Inter-Collegiate Sports Fest" organized by BMS College of Engineering, Bengaluru on 18th to 22nd of December 2023, the Table Tennis Women Team Secured 1st place in "BMSCE KREEDOTSAV 2023. The team Captain Ms Shwetha J of 7th Sem ISE was awarded as Best player of the tourney. The Women Team Secured 1st place.



10. VTU Bengaluru North Division Cricket Tournament organized by Sir MVIT, Bengaluru from 3rd to 8th January 2024 BMSITM students secured 1st place and qualified to VTU State level tourney.



11. In the VTU Bengaluru Division Volleyball (W) Tournament organized by KIT, Tiptur on 11th & 12th January 2024 BMSITM students secured 4th place and qualified to play VTU State level tournament at KIT Tiptur from 13th onwards.



12. In the VTU Bengaluru Division Softball Tourney organized by PESCE, Mandya on 7th February 2024 in which BMSITM students secured 4th place and the team qualified to play VTU State level tournament.



13. In the VTU State level Cricket Tournament organized by PESCE, Mandya from 12th to 15th February 2024 students of BMSITM secured 4th place.



14. BMSITM hosted VTU Bengaluru North Division Kabaddi (M) tournament for the year 2023-24 on 19th and 20th of February 2024. The Principal, Vice Principal, Dean Student Welfare, were present during the inauguration. 19 teams were participated in the tournament.



Milanotsava – 2024: Staff sports and cultural competition among BMSET institutions.

Milanotsava 2024 was organized on 19th and 20th January 2024 at BMS institute of Technology and Management. This event was organized to bring all the staff members of BMS Educational Trust under one umbrella to exhibit their sports and cultural talents. More than 400 participants from 12 BMS Educational Trust institutions participated in sports and cultural events like Chess, Badminton, Cricket, Tug-of-war, throwball, volleyball, group dance, group song and solo singing.



Department of Physical Education and Sports BMSIT&M, organized SPARDOTSAHA-2023 Annual Intramural Sports competition (Department wise) on 8th and 9th of May 2023.

List of events held in SPARDOTSAHA-2023:

Volleyball(Men & Women),Basketball(Men & Women),Badminton (Men & Women), Kabaddi(Men & Women), Kho Kho(Men& Women), Table Tennis(Men & Women), Football(Men), Throwball(Women)



THE NATIONAL CADET CORPS



LT. RANI M S
Associate NCC Officer

The National Cadet Corps is a Tri-Service Voluntary Organization, engaged in grooming the Youth of the Country into Disciplined & Patriotic citizens. Currently, the World's Largest Uniformed Youth Organization, with more than 14 Lakh Cadets on roll. The NCC aims to develop character, comradeship, discipline, a secular outlook, the spirit of adventure, and ideals of selfless service amongst young citizens. Further, it aims at creating a pool of organized, trained, and motivated youth with leadership qualities in all walks of life, who

will serve the nation regardless of the career they choose. Since its inception, NCC BMSIT has been engaged in grooming young engineers into disciplined & patriotic citizens of the nation and motivating them to take up a career in the Indian Armed Forces.

ACTIVITIES FOR THE YEAR 2023- 24

1) INTERNATIONAL YOGA DAY ON 21-06-2023

International Yoga Day was conducted in association with NSS and the sports department with over 50 participants.



2) NBA VISIT ON 07-07-2023

NCC BMSIT&M welcomed the National Board of Accreditation on their visit to the campus.



3) ANTI PLASTIC ABHYAAN ON 14-07-2023

NCC BMSIT&M in association with YRC and NSS successfully conducted a rally to bring awareness about the ill effects of plastic to the local people of Avallahalli, Yelahanka.



4) HEALTH CHECKUP DRIVE ON 21-07-2023

NCC BMSIT&M in association with NSS conducted a health checkup drive on the campus for faculties, staff, and students.



5) STATE-LEVEL DRAWING COMPETITION ON 25-07-2023

Lcpl Sahana. K and Lcpl Subhash. R took part in the state-level drawing competition held at Sheshadripuram Institute of Commerce and Management on account of Kargil Vijay Diwas. Lcpl Sahana. K won the first place.



6) BLOOD DONATION DRIVE ON 28-07-2023

NCC BMSIT&M in association with LIONS BLOOD BANK and NSS successfully conducted a blood donation drive with over 200 donors.



7) IGC CAMP 01-08-2023

Cpl. Pooja P attended the IGC camp at Mysore organised by 3 Kar Girls Battalion, Mysore group which took place from 01/08/2023 to 10/08/2023. She won second place for map reading in the intergroup competition under the SW category.



8) INDEPENDENCE DAY 15-08-2023

NCC BMSIT&M celebrated the 77th Independence Day in the presence of the respected Principal Dr. Mohan Babu GN. The cadets hoisted the national flag and displayed a special drill that included various formations.



9) DIRECTORATE LEVEL TAL SAINIK CAMP

Lcpl. Pooja P attended the TSC camp 1 held at Mysore organised by 13 Kar Battalion, Mysore Police Training group from 18-08-2023 to 27-08-2023. She also attended the Pre Tsc-Camp 3 at Mysore organized by 14 Kar Battalion at Police Training School and was selected for the final team to represent Karnataka at AITSC. The selections were followed by a tea party with DDG on the 15th of September before departure to Delhi.



10) AITSC CAMP (DELHI) 19-09-2023 TO 30-09-2023

CSUO Pooja P represented Karnataka Goa Directorate at AITSC, Delhi. Cadets took part in line area competitions and cultural. Kar Goa (SW category) bagged the first place for line area and second place in cultural. CSUO Pooja P won the bronze medal for Map Reading and prize distribution was held on the 29th of September followed by Delhi darshan on the 28th of September 2023.



11) FLAG AREA COMPETITION (UNIT LEVEL) 14-09-2023 TO 19-09-2023

Lcpl Sahana K and Cdt. Maxson Matthew took part in the unit level Flag area competition and represented the 39 Kar Battalion at Bridhavan College, Yelahanka, and worked on the theme "One District One Product"



12) ENROLLMENT AND SELECTION OF NEW CADETS

Selections and enrolment of new cadets for the year 2023 was done at BMSIT & M campus by the present NCC cadets and PI staff



13) CATC 2 CAMP -20-10-2023 TO 29-10-2023

A total of 28 cadets from NCC BMSIT & M along with the ANO Lt. Rani M S attended the Combined Annual Training Camp 2 held at Sri Venkateshwara College of Engineering. JUO Rahul Shindhe led the entire camp of 543 cadets as the camp senior, CSM Ullas BK and SGT Sahana K were appointed as company seniors. BMSIT cadets participated in various events and bagged various prizes in different events



14) RAJYOTSAVA AND KARNATAKA QUIZ COMPETITION ON 01-11-2023

NCC BMSIT&M participated in the flag hoisting ceremony at BMSIT & M campus for Kannada Rajyotsava, followed by the distribution of training camp certificates to the cadets by the Principal and the chief guest. quiz competition for all the NCC cadets on the history, heritage, and culture of Karnataka.



15)NCC BAND 25-11-2023

NCC BMSIT & M under the guidance of the ANO Lt. Rani M S proudly presented the first-ever band display in BMSIT & M to welcome the chief guest and dignitaries at the graduation ceremony of the Post Graduate students of BMSIT & M. The band team consisted of 10 cadets and was led by JUO Rahul Shindhe



16) CONSTITUTION DAY 26-11-2023

NCC BMSIT & M cadets took a pledge to observe Constitution Day also known as Samvidhan Diwas. NCC BMSIT & M participated in a candle light march to pay tribute to the heroes who laid down their lives during the 26/11 Mumbai attack at Major Sandeep Unnikrishnan Road, Yelahanka



17) COMBINED ANNUAL TRAINING CAMP 29-11-2023 TO 08-12-2023

Cdt. Sarvani and Cdt. Ashrita attended the CATC camp organised by 7 Kar NCC Battalion held at Sree Ram Public School, Nagasandra.



18) GROUP LEVEL INNOVATIVE COMPETITION 11-12-2023

Lcpl. Nupreet, Lcpl. Maxson, Lcpl. Prajwal and Sgt. Sahana represented 39 Kar Battalion at Group Level Innovative Competition. Lcpl. Prajwal and Sgt. Sahana won the consolation prize and qualified for the Directorate-Level Innovative Competition. The competition was judged by the Bangalore B Group Commander Lt. Col. M S Prakash. LCPL Prajwal was felicitated by the respected Principal of BMS Institute of Technology and Management.



19) DIRECTORATE LEVEL INNOVATIVE COMPETITION 15-12-1023

Lcpl. Prajwal V Dev and Sgt. Sahana K represented 39 Kar Bn, Bangalore B Group at the Directorate Level Innovative Competition which was judged by the DDG Air Commodore BS Kanwar. BAGUSK- a novel composite material was shortlisted and selected among the top 4 innovative ideas to be displayed at RDC-2024 in Delhi.



20) IMA ATTACHMENT CAMP 17-12-2023 TO 28-12-2023

JUO Rahul Shindhe was selected and represented Kar & Goa Directorate at the prestigious Indian Military Academy Army Attachment Camp 2023. The camp was organised by 29 UK Battalion at IMA, Dehradun with a total strength of 251 cadets including 18 cadets from Kar & Goa Directorate.



21) REPUBLIC DAY 26-01-2024

75th Republic Day was celebrated at BMSIT & M with the NCC contingent of 49 cadets led by CSUO Pooja P. Which comprised of band team for the first time, led by JUO Rahul Shindhe.



22) CM'S TEA PARTY FOR THE RD CONTINGENT AT VIDHANA SOUDHA 05-02-2024

CSUO Pooja P and JUO Vibha Dixit were the MC for the CM Tea Party for the RD contingent of 2024 which was organized by 39 Kar Battalion and the event was volunteered by 5 other cadets of BMSIT&M in the presence of the ANO. Lt. Rani MS.



23) ADVANCE LEADERSHIP CAMP - V 05-02-2024 TO 16-02-2024

Sgt. Sahana K and Cpl. Priyank Singh attended the Advance Leadership Camp-V 2024 and represented Karnataka & Goa NCC Directorate held at Pangode Military Station, Trivandrum, Kerala from 05/02/2024 to 16/02/2024.



24) NCC 'B' CERTIFICATE EXAMINATION 10-02-24-11-02-24

NCC 'B' Certificate Examination was held at Christ University, Hosur Road, Bengaluru. Where 22 cadets (which includes 12-SD and 10-SW) attended, the practical was conducted on the first day and followed by a theory examination (MCQ-based).



25) NCC 'C' CERTIFICATE EXAMINATION 17-02-24 TO 18-02-24 AND 03-03-24

The NCC 'C' Certificate Examination was held at the Global Academy of Technology (GAT), RR Nagar, Bengaluru. 12 cadets (which includes 8-SD and 4-SW) along with ANO Lt. Rani M S attended. Practical examinations were conducted on both days. The theory exams were held at Christ University, Hosur road.



26) FELICITATION CEREMONY AT 39 KAR BATTALION 19-02-24

Commanding Officer Col. Sanjay Sharma and Adminstrating Officer Lt. Col Kaliyappan felicitated the cadets for their outstanding performances in various activities:

- CSUO Pooja P received the prestigious Deputy Director General (DDG) Commendation Certificate for her excellent performance in AITSC 2023.
- LCPL Prajwal V Dev and Sgt. Sahana K received the Certificate of Excellence from DDG for their Innovation project which was presented at RDC 2024, New Delhi.
- JUO Rahul Shindhe received the Indian Military Academy (IMA) attachment Camp certificate which was held at Dehradun, Uttarakhand.

They were also felicitated by the respected Principal of BMS Institute of Technology and Management.



ROTARACT CLUB

The **Rotaract Club of BMS Yelahanka** had an exceptionally impactful year filled with significant community service initiatives, engaging social events, and insightful professional development activities. The year commenced with the **installation ceremony "Pratistha,"** where **President Rtr. Sonia Puri** and her team accepted their roles and responsibilities in the club. Their efforts included a tree plantation drive to enhance the city's greenery and a heartfelt old home visit, **"Harmony in Generations,"** providing rations and engaging with elderly residents. **"Food for Thought,"** in its fifth and sixth phases, distributed 500 food packets, biscuits, and juice, ultimately culminating in a donation of 100 kg of rice. **"Unmasking the Shadows,"** a street play during Anti-Vigilance Week, raised awareness about corruption and emphasized ethical conduct's societal importance. The Book Distribution Drive provided 1600 books and 600 packs of pencils to underprivileged students, while the **Dengue Vigilance and Prevention initiative** conducted awareness sessions in various government schools across Bengaluru. Volunteers in the **Prabodhan project** taught mathematics and spoken English to underprivileged children, and **the Raksha Bandhan** celebration honored CRPF soldiers and college support staff.

The club also organized a donation drive to support educational resources for underprivileged students. **"Colors of Happiness"** transformed the Anganwadi at Attur School into a vibrant space, blending entertainment and education with cheerful artwork. The project revitalized the school, making its walls vibrant canvases that foster a joyful and enriching environment for young learners. **ROTA HIKES** at Bananthimari Betta and Halu Chilume Gang provided exhilarating adventures, immersing participants in the rugged beauty of nature while fostering exploration and physical challenge. **"Woof 2.0"** enhanced the well-being of street dogs by collaring them for safety, feeding them nutritious snacks, and providing the care and affection they deserve. **"Threads of Kindness,"** a community-driven initiative, recycled 28 cartons of clothes for the Goonj Foundation, weaving a tale of sustainability and compassion.

The club's initiatives continued with **"Saksham at People's Trust,"** empowering students with holistic support to foster academic excellence and personal growth. **"Santa's Workshop,"** a festive fundraiser, brought volunteers together to create a lively marketplace with food stalls, posters, and games, raising funds for **"Winter Wishes,"** which spread joy by visiting three orphanages with gifts, cakes, and carols. The year concluded with a spirited **"Dandiya Night,"** uniting the community through dance and music. These diverse activities reflect the Rotaract Club's unwavering commitment to service, camaraderie, and making a meaningful difference in the community.



NATIONAL SERVICE SCHEME (NSS)

About NSS

- The National Service Scheme (NSS) is a Central government scheme of the Indian Ministry of Youth Affairs & Sports. NSS is headed by Dr Shivakumara T, Assistant Professor, MCA
- Objectives of NSS :
 - Understand the community in which they work.
 - Understand themselves in relation to their community.
 - Identify the needs and problems of the community and involve them in the problem solving process.
 - Develop among themselves a sense of social and civic responsibility.
 - Utilise their knowledge in finding practical solutions to individual and community problems.
 - Develop competence required for group living and sharing of responsibilities
 - Gain skills in mobilizing community participation.
 - Acquire leadership qualities and democratic attitude.
 - Develop capacity to meet emergencies and during natural disasters.
 - Practice national integration and social harmony.

Major Activities at National Level

- NATIONAL INTEGRATION CAMP
- NSS REPUBLIC DAY PARADE CAMP
- ADVENTURE PROGRAM
- NATIONAL YOUTH FESTIVAL

NSS Unit of BMSIT&M

It provides an opportunity to the student community to take part in various government led community service activities & programme. The sole aim of the NSS is to provide hands-on experience to young students in delivering community service. The NSS Unit of BMSIT&M aims to inculcate the spirit of volunteerism in the students and help them become an accomplished social leader, an efficient administrator and a person who understands human nature.

Activities conducted by NSS Unit of BMSIT&M

- Life Skills Training Workshop Series
- Voluntary Blood Donation Awareness and camps
- Swachh Bharath programs
- Health Check-up Camps
- Vaccination Drive
- Drug Awareness and Police Marshals
- Cyber Security Awareness Programs
- Plastic Free Abhiyan
- Orphanage, Old Age Home Visits
- Cauvery Calling - Plantation Drive

- Cancer Hospitals Visits – empathy
- Ayurveda Medical Camp under the initiative of FIT INDIA
- Children Day Celebration at Orphanage
- Covid-19 Awareness Campaign
- An Online Event “Refresh Scape” An Event to Children
- Reusable Collection Drives

Activities conducted on account of “Azadi Ka Amruth Mahothsav”:

- Online Quiz “India our Nation” on Independence Day.
- Har-Ghar Thiranga
- Online quiz conducted on International Drug Abuse and traffic illicit

Activities conducted under governmental schemes

- Ek Tareekha Ek Ghanta – Swachhata Hi Seva
- Awareness on First Time Voters

Email: nss@bmsit.in

Events Conducted during the period June 2023 to March 2024

Event Title: 9th International Yoga Day - 2023

Date of Event: 21st June 2023

Venue: Amphitheatre, BMSITM Campus

The event was organized by NSS in association with Physical Education and Sports and NCC. The event conduction encouraged from Dr. Mohan Babu G. N, Principal, Vice Principal Dr. Anil G.N. Student Welfare Dean Dr. Ambika R. Mr. Mallikarjuna goud B Patil, Director, Physical Education, Lt Rani M.S, Associate NCC Officer and Mr. Shivakumara T, Assistant Professor and NSS Program Officer along with few students guided the yoga asanas as per the protocol of GOI. The student and faculty participants performed yoga asanas and meditation. 31 Cadets participated.







Faculties, Students and Volunteers are performed yoga

Title of the Event: Awareness on Plastic Free Abhiyaan under YRC-UBA association with NSS & NCC

Date of the Event: 14th July 2023

Venue: Avalahalli

YRC-UBA association with NSS, and NCC conducted Plastic Free Abhiyan Awareness Programme at Avalahalli, Behind BMSIT&M dated: 21-07-2023



Volunteers created awareness to reduce plastic usage for Avalahalli shopkeepers



The Elder person on the road of Avalahalli discussing about the reduced usage of plastic and banning of plastic related matter with our volunteers



The waste plastic covers dumped in the streets of Avalahalli, collected and disbursed safely.

Beneficiaries: 134 Volunteers participated and Villagers of Avalahalli benefitted from this event.

The sample photos as below

Title of the Event: Health Check Up Camp NSS in association with YRC-UBA & NCC

Date of the Event: 21st July 2023

Venue: BMSIT&M Campus



OIKOS, ECO-CLUB



OIKOS, the Eco-Club of BMSIT&M functions under the Institutional Environmental Committee; and was formed on 5th 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 as well of 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 the society at large". Among several missions, the prime mission is imparting informal and formal environmental awareness programmes by Keystone Students Environmental Education Training.

The Core-committee members includes:

Patron	Dr B.S. Ragini Narayan, Member Secretary, BMSET
Chairman	Mr. Aviram Sharma, BMSET
President	Dr. Sanjay H.A., Principal, BMSIT&M
Secretary	Dr. Anil G.N., Vice Principal, BMSIT&M
Advisor	Dr. Ambika R, Dean (Students Welfare), BMSIT&M
Key Liaison	Dr Rajesh Gopinath, Associate Professor, CV, BMSIT&M
Chief Coordinator	Mr Venkatesh A, Assistant Professor, MCA, BMSIT&M
Faculty Treasurer	Mrs Shobha R, Assistant Professor, CV, BMSIT&M
Student Treasurer	Ms Samhita H, ECE, BMSIT&M
Faculty Coordinator	Dr Jagadeesh Y.J. [ME], BMSIT&M

SNAPSHOT OF ACTIVIES FROM JULY 2023 TO MARCH 2024

PHOTOGRAPHIC DOCUMENTATION OF FLORA OF BMSIT&M'S GREEN CAMPUS

As a part of Ecological sensitisation drive, more than 74 student members of OIKOS have carried out the Photographic Documentation of Flora of BMSIT&M's Green Campus. More than 70 floral species were studied as part of this scientific exercise. Further the students were able to distinguish these species based on ecological functions and the various parts of the plant.



PARTICIPATION IN ODONATA PHOTOGRAPHY EXHIBITION AT CHITRAKALA PARISHAD

OIKOS student members Mr. Dileep Raj B and Mr. Dhanush BA have attended the Odonata Photography Exhibition at Chitrakala Parishad on 13/09/2023. The motivation to attend the event was to enhance their knowledge about Dragonflies and Damselflies w.r.t. Photography and Conservation aspects.

ENVIRONMENTAL EDUCATION OUTREACH DRIVE

As a part of Environmental Education Outreach Activity of BMSIT&M and OIKOS, on 14/09/2023 the Faculty & Student Members of OIKOS have visited Nammuru Anganvadi Kendra & Nammuru Sarkari Kiriya Prathamika Paatshala (Bengaluru Uthara Valaya-4, Yelhanka). On this occasion, the Models and Charts created on Environmental topics were presented to the recipients and OIKOS student members took the opportunity to explain these to the school children. Further pencil boxes, books and colour pencils were gifted to each student.



PARTICIPATION IN 69TH WILDLIFE WEEK CELEBRATIONS

OIKOS student members Mr Srujan Hari, Mr Vaibhav B, and Mr Puneet Gouda, have participated at the "Walk for Wildlife" event, organised by Department of Forest, GoK on 2nd October 2023; as part of 69th Wildlife Week celebrations. The activity was aimed to raise awareness about wildlife conservation and protect the natural treasures of our region. The event was graced by the presence of Karnataka Forest Minister Eshwar Khandre. As part of this activity, the participants have embarked on a 5-kilometer journey, starting from Cubbon Park to Lalbagh Botanical Garden.

PARTICIPATION IN MANKULAM BUTTERFLY SURVEY

Dr. Rajesh Gopinath (Key Liaison- OIKOS & Associate Professor, Department of Civil Engineering) was one among the expert who have participated in the Annual Faunal Survey on 13-15 October 2023, conducted by Kerala Government & TNHS at Eravikulam Wildlife Sanctuary, Kerala

ACCOMPLISHMENT OF MOOC BY STUDENTS

On the occasion of International E-Waste Day more than 1000 students have successfully completed MOOC offered by United Nations on "How to prevent e-waste?". The exercise was undertaken to sensitise the student members on and about the consequences of unsustainable nature of generation and disposal of e-waste in a globalized world. Around 180 students have successfully completed MOOC offered by United Nations on "Plastic Waste and the Basel Convention".



E-WASTE COLLECTION DRIVE

As part of Societal Environmental Outreach activity of BMSIT&M, OIKOS (Eco-Club, BMS Institute of Technology and Management) has successfully undertaken and accomplished an E-waste awareness, sensitization, dissemination and collection drive. On the occasion of World Soil Day (5th December 2023) OIKOS (Eco Club, BMS Institute of Technology and Management, Bengaluru) has organized a campus-wide E-waste Collection Drive. The objective of the activity was to sensitize all students and faculty about the perils of unethical e-waste dumping in the soil and encourage its disposal only to authorized recyclers who manage it in a scientific and Environmentally Sound Manner.

About 2000 kg of e-waste was handed over to GRKMS Pvt. Ltd, an authorized recycler recognized by KSPCB & CPCB on this occasion. This activity was also benevolent towards the accomplishment of 20 points AICTE student activity. More than 1000 students (2020, 2021, 2022 and 2023 batch) have participated and benefited from this environmental exercise.



GENDER CHAMPION CELL

EVENTS ORGANIZED UNDER GENDER CHAMPION CELL

SEMINAR ON "PERSONALITY DEVELOPMENT AND MENSTRUAL HYGIENE"

The seminar on "Personality Development and Menstrual Hygiene" organised by Women Empowerment Cell (WEC), Gender Champion Cell (GCC) And College Internal Complaint Committee (CICC) took place in the college premises on January 12th, 2024 in the presence of Dr. Ambika R, Dean Student Welfare, Dr.Anitha V R, Coordinator, Women Empowerment Cell and teaching staff across all branches. The event was held and executed successfully under the guidance of Mrs. Shwetha Rajeev. This event was organised with the objective to create awareness among the female students about the importance of Menstrual Hygiene and how to develop one's personality. The event was successful enough to attract more than 100 students.

Mrs. Shwetha Rajeev is a master trainer of soft skills & a motivational speaker who has an overall experience of 15 years in soft skill training. In the first half of the session, she discussed about how to develop our personality. She mentioned various factors such as Grooming, Attire and Poise which help us with our presentation skills during an interview. She gave us various tips on how to portray ourselves and stay confident throughout the interview. Next, she discussed about the importance of Menstrual Hygiene. She mentioned FAB 5 tips to tackle issues related to periods. The FAB 5 tips are to move around, eat right, and calm down, keep hygiene and comfort and to choose the right pad. She also gave us an insight on the do's and do not's during Menstrual Cycle.

We would like to thank the principal and management for their timely advice and co-operation for organising this event. Few glimpses of the event as follows;



IEEE STUDENT CHAPTER

The 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.

IEEE EVENTS (2023 AND 2024):

1. THE HUNGER GAMES (10TH MARCH,2023):

Hunger Games was an event designed to alleviate academic stress and promote leisure among students through a blend of technical and non-technical games. It featured three rounds: ART OF BEG, VERBAL ARENA, and SOLITARY CONFINEMENT. The event included activities such as collecting items, debating on tech topics, and a trust-based individual game. It successfully engaged participants, fostered teamwork, and provided a challenging yet enjoyable experience.



2. GIT QUEST (26TH MAY 2023)

An event focused on delving into the intricacies of Git, a version control system, through a workshop, treasure hunt, and GitHub challenge. It included an insightful workshop, a captivating treasure hunt on the IEEE Instagram account, and a practical GitHub challenge. The event enhanced participants' understanding of Git, teamwork, problem-solving skills, and familiarity with industry-standard tools.



3. CAREER CLASH: PLACEMENTS VS. HIGHER STUDIES (21ST JULY 2023)

AA thought-provoking event focused on the dilemma faced by students between opting for placements or pursuing higher studies. It included panel discussions, expert insights, and interactive sessions aimed at guiding students in making informed career decisions. The event increased awareness and clarity among students regarding career options, facilitated by insights from professionals and experts in the field.



4. LAUNCH OF IEEE RESEARCH GROUP (1ST FEBRUARY 2024)

A visit to Nitte Meenakshi Institute of Technology (NMIT) to gather insights on fostering research culture and expanding the IEEE Student Branch. Guidance on establishing research culture, expansion strategies for IEEE Student Branch, learnings from NMIT's IEEE Student Branch. Comprehensive plan for enhancing research culture and expanding IEEE Student Branch, facilitated by valuable guidance and collaborative spirit from NMIT.



5. PROVIDING ONE-STOP PORTAL FOR NATIONAL LEVEL PROTOTYPE COMPETITION (23RD FEB 2024)

The Anveshana website, crafted by the IEEE Student Branch, serves as a pivotal platform for participants in the prestigious national-level prototype competition organized by BICEP, BMSIT. It features an array of tools facilitating engagement and collaboration among attendees, including real-time event schedules, feedback submission, tweet displays, and a college locations section. This website enhances participant experience, informed decision-making, and social engagement, contributing to the success and seamless execution of the national-level prototype competition.

6. REVIVAL OF SIGNAL PROCESSING SOCIETY (18TH MARCH 2024)

The IEEE Student Branch has recently launched the Signal Processing Society, providing students with a structured platform to explore signal processing through workshops, projects, and networking. Emphasizing hands-on learning, members gain practical experience in techniques, data analysis, and algorithm development, preparing them for careers in telecommunications, biomedical engineering, and multimedia processing. The launch highlights the growing significance of signal processing and aims to equip students with relevant skills for future leadership in technology.

7. LAUNCH OF ROBOTICS AUTOMATION SOCIETY (7TH APRIL,2024):

The IEEE Student Branch has introduced the Robotic Automation Society, revolutionizing student involvement in robotics and automation. This initiative offers workshops, projects, and networking with industry experts, emphasizing practical skills in programming, design, and problem-solving essential for careers in robotics engineering and automation. The launch highlights the growing importance of these fields and aims to equip students with relevant expertise. The society's establishment reflects a commitment to fostering innovation and preparing students for success in an ever-evolving technological landscape, serving as a crucial resource for exploring and contributing to the future of robotics and automation.

8. LAUNCH OF COMPUTATIONAL INTELLIGENCE SOCIETY (7 TH APRIL 2024)

The IEEE Student Branch has introduced the Computational Intelligence Society (CIS), offering students a gateway to explore artificial intelligence through workshops, seminars, and networking events. CIS provides industry insights, connections with professionals, access to resources such as job listings and internships, and fosters a supportive community for collaboration and learning. Its launch underscores the IEEE Student Branch's commitment to empowering students in the dynamic field of communication technology.

9. SUMMER OF PROJECTS (8 TH MAY 2024)

The Summer of Projects program, organized jointly by IEEE RAS (Robotics and Automation Society), CIS (Computational Intelligence Society), and SPS (Signal Processing Society), provides students with valuable opportunities to delve into the domains of IoT, Robotics, and AI through hands-on learning experiences. In Phase 1, students attend workshops conducted by experienced chapter members, gaining foundational knowledge and practical insights into their chosen domain. These workshops cover essential skills in programming, design principles, and problem-solving techniques relevant to IoT, Robotics, and AI projects.

Phase 2 of the program involves students being grouped into teams, where they apply their newly acquired knowledge to collaborate on project development. Under the guidance of mentors and industry professionals, teams work towards creating innovative solutions and prototypes within their chosen domain. The program culminates in a showcase event where students present their projects, demonstrating their technical proficiency, creativity, and problem-solving abilities. The Summer of Projects initiative not only fosters hands-on learning but also cultivates teamwork, leadership skills, and prepares students for future careers in the rapidly advancing fields of engineering.

10. LAUNCH OF AEROSPACE AND ELECTRONIC SYSTEMS SOCIETY (24 TH JUNE 2024):

The IEEE Student Branch has launched the Aerospace and Electronic Systems Society (AESS), aimed at engaging students in the fields of aerospace and electronic systems. Through a series of workshops, seminars, and hands-on projects, AESS provides students with opportunities to delve into cutting-edge technologies in aerospace systems, radar, electronic warfare, and more. Members gain practical experience in system design, simulation, and testing, essential for careers in aerospace engineering and related industries. AESS also facilitates networking with industry professionals, access to career resources, and fosters a collaborative community to explore innovations in aerospace and electronic systems.

11. LAUNCH OF COMMUNICATIONS SOCIETY (24 TH JUNE 2024):

The Communications Society (ComSoc) launched by the IEEE Student Branch, offers students a comprehensive platform to explore advancements in communication technologies. Through workshops, seminars, and networking events, ComSoc equips members with knowledge and skills in wireless communications, optical networking, internet of things (IoT), and beyond. Students engage in hands-on projects, gaining practical experience in designing communication systems, analyzing data transmission, and optimizing network performance. ComSoc also provides access to industry insights, internships, and career development opportunities, fostering a supportive environment for learning and innovation in the dynamic field of communication technology.

This comprehensive report showcases the diverse range of events organized by the IEEE Chapter at BMSIT&M, highlighting their commitment to supporting the technical growth and development of students while fostering a vibrant community of innovation and collaboration.

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE)

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading recognised professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication, IT which 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 all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. Government of India has recognised IETE as a Scientific and Industrial Research Organization (SIRO) and also notified 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

Faculty Coordinator: Dr. Saritha I G, Assistant Professor, Dept. of ETE, BMSIT&M, Contact Number: (+91) 9916128329, Email-Id : saritha.i.g@bmsit.in

➤ Department of ETE organized Expert talk on 27.5.2023 at 9:30 am on "Hardware for AI/ML Applications : Industry Trends " by Mr. Nikhil Rao, Principal Engineer, Rambus India Pvt Ltd in association with IETE and BICEP .



➤ Department of ETE in association with IETE organized Alumni talk on 27.5.2023 at 2:30 pm recent trends and Career guidance , the session was headed by Skandha ,Cognizant technology solutions



COLLEGE INTERNAL COMPLAINT COMMITTEE (CICC)

The College Internal Complaint Committee (CICC), BMSIT&M functions as per the provisions of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013. Any grievances in this regard may be referred to the Cell. Counselling and support services are available for the students, staff and others in need on the campus. Committee is chaired by Dr. Geeta Amol Patil(Associate Professor,ISE) and other members of the committee are Sri G. H. Vasappa(Registrar), Prof. Tejaswini B J (HoD,HSS),Prof. Shilpa G (Assistant Professor,EEE),Mrs. Shailavathi R (Library Assistant),Mrs. Shakuntala J (SDA, Admin. Office) and Dr. Brinda Verma (Advocate & IPR consultant, POSH expert).

CICC organized awareness programme on the "the "Sexual Harassment of women at workplace(Prevention,Prohibition and Redressal) act 2013" on 15th December 2023. Dr. Geeta Amol Patil introduced students to Prevention Of Sexual Harassment(PoSH) act 2013. She provided insights into the procedures for submitting complaints related to workplace harassment and the steps involved in handling these complaints within the organization. Prof. Tejaswini B J delivered an informative presentation on the "Vishaka Guidelines and Me Too Movement 2018 (Prevention of Sexual Harassment at Workplace Act)." She discussed the legal framework and organizational obligations in preventing and addressing workplace harassment, emphasizing the importance of adhering to these guidelines and the law.

College Internal Complaint Committee(CICC) organized awareness programme on the "the "Sexual Harassment of women at workplace(Prevention,Prohibition and Redressal) act 2013" on 15th December 2023.



An awareness talk on "Safe campus, Safe city" was organized by CICC and NDLI club in association with Red Dot, an NGO working towards sensitisation on gender, sexuality etc. The talk was conducted on 23rd April 2024 from 9.30 to 10.30 am to 2nd sem ISE (M section) and AIML (E section) in Seminar Hall-2, Academic Block- 2nd floor.

The resource person Mr. Rajendra Prasad, a volunteer of Red Dot Global Foundation spoke on what amounts to sexual harassment under Indian penal code, POSH Act and POCSO Act. He sensitized the students about the role of society in combating sexual assault in public places. He also interacted with students on how society is engaged in gender discrimination.

The talk was well received by students and members of CICC. The students were also informed about the functioning and redressal mechanism of CICC in college by members of CICC. The talk was attended by 120 students





ARTICLES

ARTIFICIAL INTELLIGENCE: REVOLUTIONIZING THE FUTURE

INTRODUCTION

In today's fast-paced world, artificial intelligence (AI) has become an integral part of our everyday lives. From self-driving cars to virtual assistants, AI has transformed the way we live, work, and interact with technology. This article will delve into the fascinating world of artificial intelligence and explore its impact on various industries and sectors.

WHAT IS ARTIFICIAL INTELLIGENCE?

Artificial intelligence refers to the simulation of human intelligence processes by machines especially computer systems. These processes include learning, reasoning, problem-solving, perception, and language understanding. AI is capable of analyzing vast amounts of data at incredible speeds, making it invaluable in decision-making processes.

HOW DOES ARTIFICIAL INTELLIGENCE WORK?

AI works by combining large amounts of data with fast, iterative processing and intelligent algorithms, allowing the software to learn automatically from patterns or features in the data.

Machine learning is a subset of AI, which enables machines to learn from experience and perform tasks without being explicitly programmed.

BENEFITS OF ARTIFICIAL INTELLIGENCE

1. **Increased Efficiency:** AI systems can perform tasks faster and more accurately than humans, leading to increased productivity and efficiency in various industries.
2. **Cost Savings:** By automating repetitive tasks and processes, AI can help businesses save on operational costs and increase profitability.
3. **Improved Decision-Making:** AI can analyze vast amounts of data to provide valuable insights and predictions, helping organizations make informed decisions.
4. **Enhanced Customer Experience:** Chatbots and virtual assistants powered by AI can provide personalized and efficient customer service, enhancing the overall customer experience.



BHOOMIKA K B
IBY22ME008



INDUSTRIES IMPACTED BY ARTIFICIAL INTELLIGENCE

As technology continues to advance, the possibilities for AI are endless. From predictive analytics to natural language processing, AI will continue to evolve and shape the future of various industries. It is essential for organizations to embrace AI and leverage its capabilities to stay ahead in today's competitive marketplace.

THE FUTURE OF ARTIFICIAL INTELLIGENCE

1. Healthcare: AI is revolutionizing the healthcare industry by enabling faster diagnosis, personalized treatment plans, and efficient patient care.
2. Finance: AI is used in fraud detection, risk assessment, and algorithmic trading, improving the accuracy and efficiency of financial processes.
3. Retail: AI is transforming the retail sector with personalized recommendations, inventory management, and efficient supply chain management.
4. Automotive: AI is powering self-driving cars, enhancing safety, reducing accidents, and revolutionizing transportation systems.

CONCLUSION

In conclusion, artificial intelligence is not just a buzzword; it is a powerful tool that is revolutionizing the way we live and work. By harnessing the potential of AI, organizations can drive innovation, streamline processes, and deliver exceptional customer experiences. The future of AI is bright, and it is up to us to embrace this transformative technology and unlock its full potential.



ಅಂತರ್ಜಾಲದ ಭದ್ರತೆ....

ಅಭಿವೃದ್ಧಿ ಹೊಂದಿದ ತಂತ್ರಜ್ಞಾನ
ದುರುದ್ದೇಶಪೂರಿತ ಹಾವಳಿಯಿಂದ ರಕ್ಷಿಸುವ ಸಾಧನ !
ಗಣಕಯಂತ್ರ ಜಾಲದ ಬಳಕೆದಾರ
ವಿವಿಧ ವೈಖರಿಯ ಆಕ್ರಮಣಕಾರ !
ಬೆದರಿಕೆ ಬುದ್ಧಿಮತ್ತೆಯನ್ನು ಹೆಚ್ಚಿಸಿ
ಗೂಢ ಲಿಪೀಕರಣವನ್ನು ಕಾರ್ಯವಹಿಸಿ !
ಮಾಹಿತಿ ಸ್ವತ್ತುಗಳನ್ನು ನಿರ್ವಹಿಸುವ,ರಕ್ಷಿಸುವ ಪ್ರಕ್ರಿಯೆಗಳು
ಸಾಮಾನ್ಯ ದೃಢೀಕರಣದೊಂದಿಗೆ ಸಂಗ್ರಹಿಸಿ,ಹಂಚಿಕೊಳ್ಳುವ
ಕಾರ್ಯವಿಧಾನಗಳು !
ವಿಧ ವಿಧವಾದ ವ್ಯಾಖ್ಯಾನದೊಂದಿಗೆ ಮಾಹಿತಿಯ ಭದ್ರತೆ
ಮರುಸ್ಥಾಪಿಸಿ ಸಾಧನೆಯತ್ತ ಅಂತರ್ಜಾಲ ಭದ್ರತೆಯ ನಿರಂತರತೆ !



DR. SARITHA I.G
ASSISTANT PROFESSOR
DEPT. ELECTRONICS AND
TELECOMMUNICATION
ENGINEERING

REFLECTING ON FOUR YEARS OF MECHANICAL ENGINEERING JOURNEY AT BMSIT & M COLLEGE

As I sit down to pen my thoughts on the culmination of my four-year mechanical engineering journey at BMSIT & Management College, a wave of nostalgia washes over me. These past years have been nothing short of transformative, shaping not only my academic prowess but also fostering personal growth and professional development.

The journey commenced with a mixture of excitement and apprehension, stepping into the halls of academia filled with dreams and aspirations. The initial days were a whirlwind of new faces, rigorous coursework, and adapting to the rigors of engineering education. However, as time progressed, the challenges metamorphosed into opportunities for growth.

Academically, the curriculum provided a solid foundation in core mechanical engineering principles, ranging from thermodynamics and fluid mechanics to machine design and manufacturing processes. The faculty, with their wealth of knowledge and experience, served as guiding beacons, nurturing our intellect and instilling a passion for innovation.

Laboratory sessions were akin to laboratories of creativity, where theory seamlessly intertwined with practical application. From designing intricate mechanisms to troubleshooting real-world engineering problems, each experiment was a lesson in resilience and resourcefulness.

Beyond the confines of the classroom, extracurricular activities played a pivotal role in holistic development. Engaging in technical symposiums, workshops, and seminars not only expanded my horizons but also fostered invaluable networking opportunities. Collaborating with peers on projects and competitions honed my teamwork and leadership skills, emphasizing the importance of synergy in achieving collective goals.

Internships provided a glimpse into the professional realm, bridging the gap between theory and practice. Immersing myself in industry environments, I gained firsthand exposure to cutting-edge technologies and industrial processes. These experiences not only enriched my understanding but also fueled my ambition to make meaningful contributions to the field of mechanical engineering.

Amidst the academic rigors and extracurricular pursuits, moments of camaraderie and friendship blossomed, creating bonds that will endure beyond graduation. The support and camaraderie of peers served as a constant source of motivation, fostering a sense of belonging within the vibrant tapestry of campus life.



ADITYA C.V.
1BY20ME004



As I traverse the threshold of my final semester, I am filled with a profound sense of gratitude for the myriad experiences and opportunities that have shaped my journey. The challenges encountered and triumphs celebrated have sculpted me into a more resilient, adaptable, and driven individual, poised to embark on the next chapter of my professional odyssey.

In retrospect, my four years at BMSIT & Management College have been a symphony of growth, learning, and self-discovery. Armed with knowledge, skills, and unwavering determination, I am ready to embrace the challenges that lie ahead, confident in my ability to make a meaningful impact in the dynamic landscape of mechanical engineering.

ELECTRIFIED DREAMS: A TECH TALE

*In the realm of wires and circuits, we dwell,
Where innovation's stories endlessly swell.
From binary code to circuits that gleam,
In the dance of electrons, we find our dream.*

*With processors humming and screens alight,
We chart new courses in the digital night.
In the hands of engineers, tools take flight,
Harnessing tech's power with all our might.*

*From silicon valleys to cyberspace,
We engineer tomorrow's embrace.
In the halls of learning, where ideas ignite,
We shape the future, our beacon bright.*

*So let us celebrate, with minds aglow,
The wonders of tech, the seeds we sow.
In the pages of progress, our journey's rhyme,
In the tapestry of innovation, for all time.*



RIYA PAWAR
1BY21ET036

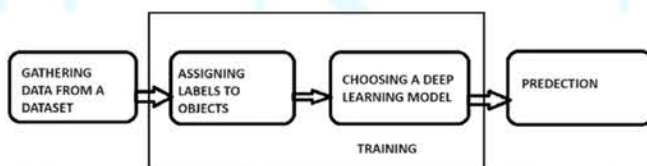
PATH TO AUTONOMOUS DRIVING

We are currently a part of the booming ML/AI industry. Ever wondered what led to the sudden rise in this industry?

It all comes down to DATA !DATA! And more DATA! Over the past years, there has been a significant rise in the chip development industry that has made it possible for us to parallel process enormous amounts of data faster which led to finally being able to run the complex Deep Learning algorithms on a smaller GPU platform.

Let's dive into the path to autonomous driving, an autonomous vehicle's main task is to perform object detection which refers to a combination of classifying the images received from the camera frame into object classes (Person, animal, etc.) and performing localization (determining bounding box coordinates).

A typical object detection pipeline includes the following:



Choosing the right deep learning model becomes necessary in performing efficient object detection.

The most commonly used state-of-the-art object detection model is YOLO (You Only Look Once) developed in 2016 it has come a long way in the field of computer vision with various versions.

The core of these models are Convolutional neural networks (CNN) which are very good at extracting features from images, and they're often seen as universal non-linear function approximations.

CNNs can capture different patterns as the number of layers in the network increases. For example, the layers at the beginning of the network will capture spatial features such as edges, while the deep layers will capture more semantic features like the shape of the objects (leaves in trees, or tires on a vehicle). This is the reason why CNNs are the main algorithm in self-driving cars.

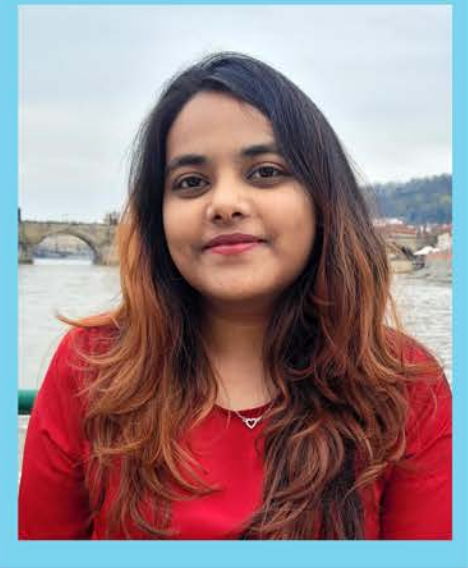
Once a model has been trained, we carry out inferencing i.e. testing the object detection model on the dataset.

These trained models are usually run on high-end GPUs and TPUs with thousands of cores that provide APIs that allow us to carry out complex tensor computations.

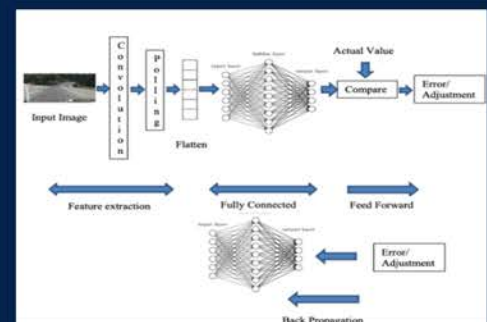
What does the future hold?

Moore's law has been the bedrock of the semiconductor industry the need for more and more computing power due to the rise of the Artificial Industry has created an advancement in chip development. With the innovations in the semiconductor industry, it would become possible to scale down the size of hardware platforms such that complex algorithms can be embedded and easily integrated into modern vehicles.

With the development in cloud platforms, it is now possible to hold large amounts of datasets containing millions of images that can be used to train a deep learning model and provide the network with its own intelligence.



DEEKSHITA PADAMATI
1BY20ME004



IT'S OKEY... A PHILOSOPHICAL REALM

'Maya and the Karma of Maya..

Do not intoxicate yourself with the poison of Maya, which never truly existed. Break free from the handcuffs of illusion, reach a higher form of liberty.

True freedom is not from the influence of chemical hormones or traumatic situations, but from attachments, the past, the known, and the body – a process known as liberation.

From Adi Shankaracharya to Swami Vivekananda, who lived about 30 years each, they achieved great feats and lived every moment with profound involvement. They are symbols of visionary Vedantic philosophers, introducing and reiterating their wisdom around the world. Their lives are a testament to the potential of every individual.

"Thoughts are buried, words are floating, actions are..."

Empower your mind, thoughts, and body with cosmic energy, not just information, thinking, and action. As humans with consciousness, our highest ability is to seek and reach possible peaks. Do you know yourself?

Every enlightened being has a unique way of experiencing life, yet life itself remains the same. From Gautama Buddha to Maharishi Ramana, life is divine, and experiencing it fully is liberation or devotion – realizing the divine within.

"Meaning" limits your experience of life; expand it. Have you heard about Kabir Das' poem, "Mann Mast Hoon, Fir Kya Bole..."? It signifies a state of true liberty, where words become irrelevant.

Stop comparing, stop influencing, stop deciding what is wrong or right – just flow without attachment or second thoughts. Life has beautiful things waiting to be explored with happiness.

If life is about procreation and seeking happiness, why does man have consciousness?

Like or dislike, both are attachments, but dislike is the stronger one.

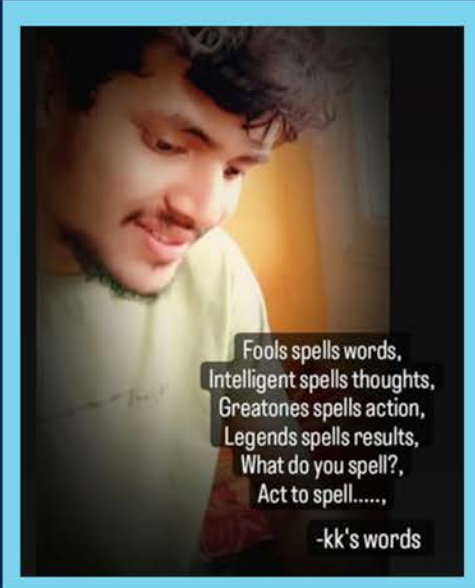
Karma is created when we resist the natural way or overexecute it. Understanding karma doesn't make you karmic-less; it guides you to execute it wisely.

Laugh or cry – both are expressions of a divisive view of a situation. Cry in immersed happiness or overjoy, laugh at immense pain – both expressions reveal the freedom of one's true nature, transcending situations that induce self-immersed expression.

When one gets frustrated, it leaves a shadow of darkness. Repeated frustrations can transform into a demon that hardens even the most fertile heart. The difference lies in how one acts upon it.

Frustrations happen, but your perspective can change everything. Instead of becoming a small person frustrated by small things, channel that energy into serving and working towards change. Face challenges to grow beyond average.

Remember, imperfection is natural. Perfection recreates and breaks in time. Your thoughts are influenced; there's no absolute perfection, just the flow of nature. Experience it.



KIRAN KUSUMA
1BY21CS080



'There's another remedy – love. It's the strongest drug known to humankind. When used to create positive change, its effects are profound.

I don't want to write, but something is happening as our ages progress...

A uniquely explainable form of depression arises when we fail to reach our predetermined life journey. It's a journey that we've decided for change.

A friend asked, "What is this?" I couldn't understand it. Krishna says in the Bhagavad Gita, don't try to understand, ask, and I will explain. For instance, when you're studying for an exam, Krishna isn't saying not to study and get marks. He advises putting effort into what you want to pursue, like marks, but concentrate solely on that. Do not worry about whether you'll succeed or not; take every step without doubt for success.

"Detach from results, not from the effort itself."

-Kiran Kusuma

ON THE WAY TO FIND THE SPARK

I went roaming in the dark
To find the charming spark
With a few hope bundles
To cross all the hurdles

The way demanded a path of light
To ensure that the journey was bright
The foot could feel the pain
But it was never against the gain

The destiny is far ahead of time
Waiting to see the shine
Crossing the ocean of sorrows
Getting ready to pick an arrow
~Neela N



NEELA N
1BY21IS092

WHO I REALLY AM

I look into the mirror every day,
My heart a monotone of beats,
I see a girl with doubts and fears:
A girl who prefers to retreat.
In my closet, with all my clothes,
Lie the masks that I hold dear.
I wear them every time I wake
To hide my deepest fears.

My courage and my hope are still,
Only barely moving.
They hide behind the world's opinions
Whose ways are cruel and conniving.
But in my heart, I hold a fire,
A fire that kindles my dreams;
It helps me fly on azure wings
Through the night's exploding screams.

This dream, it whispers in my ear:
"Are you who they want to see?"
"Yes," I say, for I wear my masks;
But is it who I want to be?
Well, no. I'm a person with a heart and soul,
With dreams, and aims and love:
I'm imperfect when they see me, yes,
But isn't just 'me' enough?

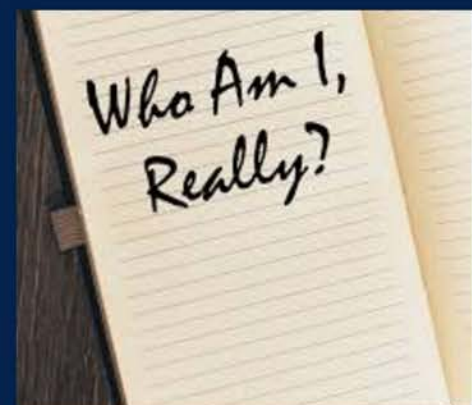
My life is my canvas now
And my mind paints the thoughts;
My spirit might be broken, yes,
But the shards are not yet lost.
So now I'll look you in the eye
And (mind you) they're ablaze!
I'll write my happy ending and
I'll finish this forgotten tale.

So, let my demons dance and frolic,
Let my demons play;
My dreams are burning deep inside
And now I know the way.
There, I've thrown my masks away:
Look at who I really am!
I'm complete as I gaze at the stars:
A masterpiece, a perfect plan.

-Rishika Gitta
1BY23CB043
CSBS- R section
Semester 2



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MACHINE LEARNING IN PYTHON

Welcome to the world of machine learning in Python, where the possibilities are endless and the algorithms are powerful. Whether you're a beginner or a seasoned data scientist,

Python provides a versatile and intuitive platform for implementing machine learning models.

Benefits of using machine learning in Python

Python has become one of the most popular programming languages for machine learning and for good reason. One of the major benefits of using Python for machine learning is the extensive collection of open-source libraries available. Python's libraries, such as Scikit-learn, TensorFlow, and Keras, provide a wide range of tools and pre-built functions that make it easy to implement complex machine learning algorithms. These libraries simplify the process of data preprocessing, feature selection, model training, and evaluation, allowing you to focus on the core aspects of your machine learning project.

Python's straightforward syntax and readable code make it an ideal choice for beginners.

Even if you're new to programming, Python's simplicity makes it easy to grasp the concepts of machine learning. The language's clear and concise syntax allows you to focus on the logic and algorithms rather than getting bogged down in complicated syntax rules. With Python, you can quickly prototype and experiment with different machine learning ideas making it an excellent language for learning and exploring the field.

Machine learning algorithms in Python

Python provides a wide range of machine learning algorithms that can be implemented using various libraries. Here are some of the most commonly used algorithms in Python:

Linear Regression: This algorithm is used for predicting continuous values based on a linear relationship between the input features and the target variable.

Logistic Regression: Logistic regression is a classification algorithm used to predict binary or multi-class outcomes.

Decision Trees: Decision trees are versatile algorithms that can be used for both classification and regression tasks. They partition the data into hierarchical structures based on a series of if-else conditions.

Random Forests: Random forests are an ensemble learning method that combines multiple decision trees to improve the accuracy and robustness of the predictions.

Support Vector Machines: Support vector machines are powerful algorithms for both classification and regression tasks. They find the best hyperplane that separates the data into different classes or predicts continuous values.

K-Nearest Neighbors: K-Nearest Neighbors is a simple yet effective algorithm for classification and regression tasks. It predicts the label or value of a data point based on the labels or values of its nearest neighbors.



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These are just a few examples of the machine learning algorithms available in Python.

Depending on your specific problem and dataset, you may need to explore and experiment with different algorithms to find the best fit.

Steps to implement machine learning in Python

Implementing machine learning in Python involves several key steps. Here's a high-level overview of the typical workflow:

1. **Data Collection:** The first step is to gather the data that you'll use to train and test your machine learning models. This can include structured datasets, text documents, images, or any other type of data that is relevant to your problem.

2. **Data Preprocessing:** Once you have your data, you'll need to preprocess it to ensure that it's in a suitable format for machine learning. This can involve tasks such as cleaning the data, handling missing values, scaling features, and encoding categorical variables.

3. **Feature Selection:** Feature selection is the process of identifying the most informative features that will be used as input for your machine learning models. This step is crucial for improving the accuracy and efficiency of your models.

4. **Model Training:** After preprocessing the data and selecting the features, it's time to train your machine learning models. This involves feeding the data into the chosen algorithm and optimizing its parameters to minimize the error or maximize the accuracy.

5. **Model Evaluation:** Once the models are trained, you need to evaluate their performance on unseen data. This can be done by measuring various metrics such as accuracy, precision, recall, and F1 score. Model evaluation helps you assess the effectiveness of your models and identify any shortcomings.

6. **Model Deployment:** If your models perform well, you can deploy them for real-world use. This can involve integrating the models into existing systems, creating APIs for external access, or deploying them as web applications.

It's important to note that these steps are iterative and may require multiple iterations to achieve the desired results. Machine learning is an iterative process that involves continuously refining and improving your models based on feedback and new data.

Machine learning projects in Python

Python's versatility and extensive libraries make it an excellent choice for tackling a wide range of machine learning projects. Here are a few examples of projects that you can build using Python:

Image Classification: Use machine learning to classify images into different categories, such as identifying objects in a photo or detecting diseases from medical images.

Sentiment Analysis: Analyze text data to determine the sentiment or emotion expressed in a piece of text. This can be useful for social media monitoring, customer feedback analysis, or brand reputation management.

Recommendation Systems: Build recommendation systems that suggest products, movies, or music based on user preferences and behavior. This can be implemented using collaborative filtering, content-based filtering, or hybrid approaches.



Fraud Detection: Use machine learning to identify fraudulent transactions or activities in financial data. This can help prevent financial losses and protect against fraud.

Natural Language Processing: Apply machine learning techniques to process and analyze human language, enabling tasks such as text classification, named entity recognition, and sentiment analysis.

These are just a few examples of the many machine learning projects that you can undertake using Python. The possibilities are truly endless, limited only by your imagination and creativity.

Resources for learning machine learning in Python

If you're looking to learn more about machine learning in Python, there are plenty of resources available to help you get started. Here are some recommended resources:

Online Courses: Platforms like Coursera, edX, and Udemy offer a wide range of online courses on machine learning and Python. Some popular courses include "Machine Learning" by Andrew Ng and "Applied Data Science with Python" by the University of Michigan.

Books: There are several excellent books on machine learning in Python, such as "Python Machine Learning" by Sebastian Raschka and Vahid Mirjalili, and "Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow" by Aurélien Géron.

Tutorials and Documentation: The official documentation of Python

libraries like Scikit-learn, TensorFlow, and Keras provide comprehensive tutorials and examples to help you get started. Additionally, websites like Kaggle and Towards Data Science offer a wealth of tutorials and articles on machine learning in Python.

Online Communities: Join online communities such as Reddit's r/MachineLearning, Stack Overflow, and Kaggle's forums to ask questions, share your work, and learn from others in the field.

These resources can provide you with the knowledge and skills you need to become proficient in machine learning with Python.

Challenges and limitations of machine learning in Python

While Python is a powerful language for machine learning, it does have its challenges and limitations. Here are a few to be aware of:

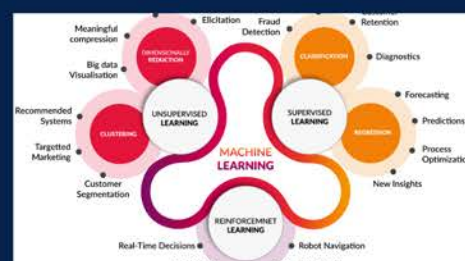
Performance: Python is an interpreted language, which means that it can be slower than lower-level languages like C++ or Java. While Python's libraries are highly optimized, computationally intensive tasks may still be slower compared to other languages.

Memory Consumption: Python's memory consumption can be high, especially when dealing with large datasets or complex models. This can be a limitation when working with limited memory resources.

Scaling: Python's Global Interpreter Lock (GIL) can limit the performance of multi-threaded applications. This can impact the scalability of certain machine learning algorithms that rely on parallel processing.

Compatibility: Python's extensive libraries and ecosystem can sometimes suffer from compatibility issues between different versions. It's important to carefully manage dependencies and ensure compatibility between different libraries.

Despite these challenges, Python remains one of the most popular languages for machine learning due to its versatility, ease of use, and extensive libraries.



MY EXPERIENCE AT BMSIT&M

It's hard to believe we've reached eighth semester already; it feels like we just started yesterday.

College was a new beginning, a blank canvas waiting to be painted with the colours of my dreams. Before attending college, I always imagined it to be like what I saw in movies -busy hallways with a cast of characters. As I stepped onto the college campus on that first day, a torrent of emotions threatened to overwhelm me. Excitement, nervousness, anticipation and in the midst of it all, I found myself standing at the threshold of a new chapter in my life. Each interaction, each conversation, served as a reminder that this was a place where I could grow, learn, and thrive.

As I reflect on my college experience, it's been a journey filled with highs and lows, victories and defeats, but above all, it has been a period of tremendous growth and self-discovery. Throughout my college journey, the support and encouragement of my teachers played a crucial role in shaping my academic and personal growth. In moments of self-doubt or uncertainty, they were always there to encourage me, reminding me of my potential and urging me not to give up.

Observing my seniors secure job placements had always ignited a spark within me, compelling me to envision myself in following their footsteps. My first interview stands engraved in my memory. When the day finally arrived, I was tensed, filled with fear and completely nervous. The interview lasted for six hours, during which I anxiously waited for my turn. As they called each candidate, I found myself being the last one. Those six hours felt like an eternity, with each passing minute adding to my mounting anxiety. After the interview, we were all tensed waiting for the results and when they announced my name, I was overjoyed. My friend and I jumped around, feeling as happy as little kids. The moment of triumph in cracking the interview left us speechless.

Four years have gone by, during which we completed seven semesters, numerous internal assessments, countless assignments and projects. As I look back now and see our juniors going through the same stages, I wonder how we managed to navigate through it all. Amidst the hustle and bustle of campus life, I forged lifelong friendships and cherished memories that will stay with me forever. College may be coming to an end, but the lessons I've learned and the memories I've made will stay with me forever.



SAI VEEKSHANA
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FREEDOM TO FOCUS :

COCHLEAR IMPLANTS GETTING SMARTER. SILENCE THE NOISE, HEAR THE WORD

Deafness doesn't mean silence. Cochlear Implantation is a surgical procedure where, the Cochlear implants(CI) like a tiny ' bionic ears' are placed that bypass the damaged hearing cells to directly stimulate the nerve, offering a chance to rediscover the world of sound. But it is quite difficult for a CI user to hear in a noisy environment because the sound which is transmitted by a CI include constrained spectral and temporal information and have a lower dynamic range. In some situations, where the speech conditions involves background noise, the CI Users speech comprehension reduces due to rising background noise.

Introducing *Nucleus* models by Cochlear, now CI users have freedom to focus on quality speech and can avoid background noise. Imagine yourself at a bustling restaurant, surrounded by the symphony of clinking glasses, animated chatter, and background music, while this may seem like a vibrant atmosphere to most, for someone with a Cochlear implant, it can be a frustrating cacophony, obscuring the desired sound - speech. Understanding the person across the table becomes a struggle, a constant effort to decipher words amidst the noise.

Enter Forward Focus, a revolutionary technology poised to transform the listening experience for cochlear implant users by **combining advanced algorithms and mathematics to create a laser-sharp focus on the desired sound**. Think of it as a personal sound engineer, meticulously filtering out the distracting background noise while amplifying the speaker's voice, allowing you to effortlessly engage in conversations even in challenging environments.

But how does this magic happen?

At the heart of Forward Focus lies **beamforming**, a technique that manipulates sound waves like ripples in a pond. Imagine multiple microphones capturing incoming sounds, each recording the ripples created by different sound sources. Clever algorithms then analyse these ripples, identifying their direction and intensity. By strategically adding and subtracting these ripples mathematically, Forward Focus amplifies the desired sound waves (the speaker's voice) while cancelling out the unwanted ones (background noise). Think of it like this: imagine the speaker's voice as a strong, consistent ripple, and the background noise as smaller, chaotic ripples.



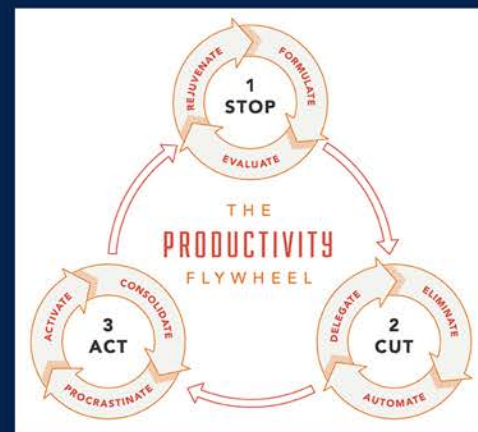
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Forward Focus strengthens the desired ripple (the speaker) by adding up ripples from different microphones that are in sync with it, while simultaneously subtracting ripples from other microphones that are out of sync (the background noise). This mathematical manipulation effectively cancels out the noise, leaving the speaker's voice clear and unobscured. While the basic principle of beamforming involves adding and subtracting, the actual algorithms are much more sophisticated. They take into account the complex nature of sound waves, including their frequency, phase, and direction of arrival. This allows for precise focusing on the desired sound source, even in dynamic environments where noise sources may be constantly changing.

The effectiveness of Forward Focus is not just theoretical. Studies have shown a significant improvement in speech understanding for Cochlear implant users in noisy environments. One study reported an average **2.9 decibel improvement in speech recognition thresholds**, which translates to a noticeable difference in everyday situations. Imagine being able to participate confidently in a crowded meeting, understand conversations at a noisy restaurant, or enjoy a phone call without straining to hear every word. Forward Focus makes these scenarios possible.

The benefits of Forward Focus extend far beyond mere numbers. It empowers cochlear implant users to **engage more fully in social interactions**, reducing listening fatigue and promoting a sense of inclusion. Imagine the confidence you gain when you can confidently participate in group conversations, ask questions without hesitation, and truly enjoy the company of others. This technology has the potential to transform lives, fostering deeper connections and enriching experiences. Forward Focus represents a significant step forward in cochlear implant technology, but it's just the beginning. Research continues to explore even more advanced beamforming techniques and noise reduction algorithms, promising even better results in the future. Imagine a world where cochlear implant users can effortlessly navigate any sonic landscape, from bustling city streets to lively social gatherings. With continued innovation, this dream is moving closer to reality.



NEURAL NETWORKS UNDER MACHINE LEARNING: REVOLUTIONIZING THE FUTURE

In the realm of artificial intelligence, few technologies have captured the imagination of scientists and researchers quite like neural networks.

With their ability to learn and adapt, these intricate systems have ushered in a new era of machine learning. From computer vision to natural language processing, neural networks have revolutionized various domains, enabling machines to mimic human intelligence.


At its core, a neural network is a complex network of interconnected artificial neurons, which are inspired by the neural connections in the human brain. These networks consist of multiple layers, each comprising multiple neurons. The input layer receives data, which is then passed through a series of hidden layers before producing an output. The magic lies in the connections between these layers, where weights and biases are constantly adjusted to optimize the predictions.

The essence of neural networks lies in their ability to learn from experience. Through a process called training, the network is exposed to vast amounts of data, using algorithms like backpropagation to fine-tune the weights and biases. This learning process allows the network to recognize patterns, make predictions, and classify inputs with remarkable accuracy.

A key feature of neural networks is their capability to handle unstructured and complex data. Images, audio, and text can be processed with ease, allowing neural networks to excel in tasks like image recognition, speech synthesis, and sentiment analysis. These applications have far-reaching implications, ranging from self-driving cars to personalized recommendations on streaming platforms.




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Neural Network
[ˈnɜr-əl ˈnet-ˌwɜrk]

A series of algorithms that endeavors to recognize underlying relationships in a set of data through a process that mimics the way the human brain operates.

 Investopedia

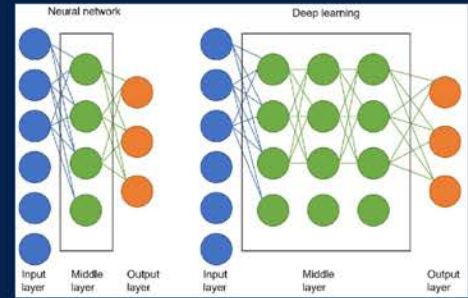
The complex block features a stylized illustration of a human head profile in blue, with a network of lines and nodes representing neural connections. The text is in a clean, sans-serif font, with the title in bold and the pronunciation in italics. The Investopedia logo is at the bottom left.

While neural networks have made significant advancements, they are not without limitations. Training these networks requires massive amounts of labeled data, which can be time-consuming and expensive to acquire. Furthermore, neural networks operate as black boxes, meaning that the inner workings of the network are often obscured, making it challenging to understand their decision-making processes.

Nevertheless, the potential for neural networks is immense. As technology and computing power continue to advance, neural networks are poised to further revolutionize industries. In healthcare, they can aid in diagnosing diseases, while in finance, they can identify patterns for investment strategies. The possibilities are endless, and as researchers continue to improve and innovate, the future of neural networks under machine learning is brighter than ever.

In conclusion, neural networks have emerged as a powerful tool within the field of machine learning. With their ability to learn from experience and handle complex data, these networks have reshaped how machines understand and process information. While challenges exist, the potential applications of neural networks are vast and ever-expanding.

As we move forward, embracing these revolutionary technologies will undoubtedly shape our future in ways we have yet to imagine.



FREEDOM FOR LIFE



Freedom is just not for the nation ,
Freedom is also meant for emotion.
Independence should just not be a
celebration,
But should be a powerful agent of
action .
India's strong weapon is unity,
which is capable of defeating infinity.
When all of us belong to the same
place ,
Let us no more quarrel for race .



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KK'S WORDS

SOME WISE WORDS FROM KK,

'Aim is not a real destination to reach but an illusion that will let you learn how to really live. After aiming, you will live great.'

"Hurting yourself without reason is a grand mistake. Hurting yourself without your involvement is a grand tragedy. Hurting yourself for the sake of others' joy is a grand sacrifice. Hurting yourself for your mistake or pain is grand peace. Hurt yourself, but just know for what you're hurting yourself."

"There is no improper moment nor proper moment in nature; we delude ourselves, guided by our preferences."

"Change for the people is your own judgment of yourself."

"Success embraces only 0.1% of your work, but your 99.9% work embraces 0.1% of your success; so work as much as possible without dwelling on the 0.1% of work."

"Remember, your mind is your slave and best friend; order it, and it will obey. But when you become a slave to its thoughts, it's like listening to a computer program you have coded."

"Acceptance is a mistake; never do it until your last fist of strength has ended..."

"People think focusing on nothingness is meditation or a divine way. Try to be without doing any work that attracts your focus, and you will find that you're just another animal. But if you are able to be without any attention, then it's true being; that is the peace everyone wants but just doesn't know how to"

"Mindless-ness or thoughtless-ness is thought to be meditation. NO focus or attention towards thoughts to be detached, so consciously be aware and attain enlightenment. Think about what happens when you don't use your brain."

"Someone said something; it doesn't matter what it means, whether good or bad. What matters is how badly you got influenced. Why is influence bad?..."

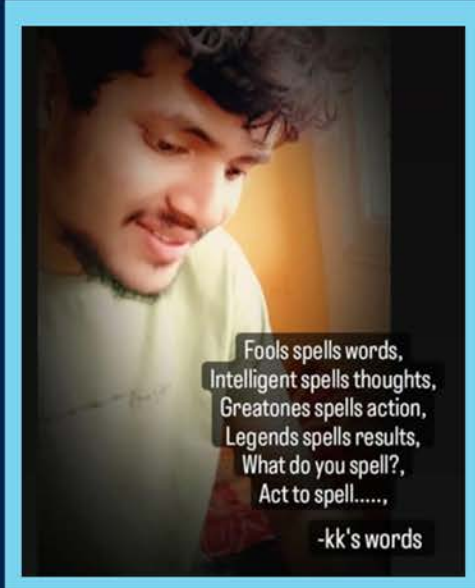
"Being active or passive is not about how well you have emerged in the social viewpoint, but how well you are awake and aware of Maya (society)."

"Either you thrive to be successful or perish to be useless, but remember, the success storyline is your own definition of it, not others."

"Free yourself from the bonds of work by forgetting what you have done. Still, you are not free from your karmic work that reflects someday, but definitely free for your new thoughts, new times, and new life....."

"Who I am is a question for all; who I am not is a question for me."

"Do not have a pre-defined understanding of life at any moment because it's life. It doesn't flow according to your rules; it's just necessary living without it. Nevertheless, get self-harmless."



KIRAN KUSUMA
1BY21CS080

"Oh wayfarer, I don't know my destination, but there is pace. Does a destination without a pace require? Then why does pace require a destination? Keep flowing; that's the true nature of living."

"Life???? Birth is an unnoticed start... death is an unwelcomed destination or end..... In a short span called living.... be alive with full exuberance..... That's how we should live life."

Success: let it speak for you; Failure: let it teach you."

"Life is a fool's work; it's all about how well you are at this..."

"Fools spell words, intelligent people spell thoughts, great ones spell action, but legends spell results. What do you spell? Act to spell..."

"As for saying every dog has its own day, but I say you are not a dog to wait until the day comes; make your day by yourself, don't wait."

"For "burn like a sun, work like a donkey, and other lines" are inspirational bluffs. Yes, human nature is unlimitedly versatile, but true nature is really versatile to another entity, and that is consciousness. Its possibility is the reason for the versatile nature of humans. Know its true nature of the highest possibility and gain access to unlimitedness."

"Work your broken thoughts for freaking times..."

"If you think rest is the result after achieving the goal, then you're a fool; you can't achieve too."

"Flow with times; it makes you stiff."

"When you aim, you lose your desires, sometimes even the aim too. But when desires occupy you, you can't even desire to aim."

"If you search for inspiration, then it means you have failed and lost the natural way of being."

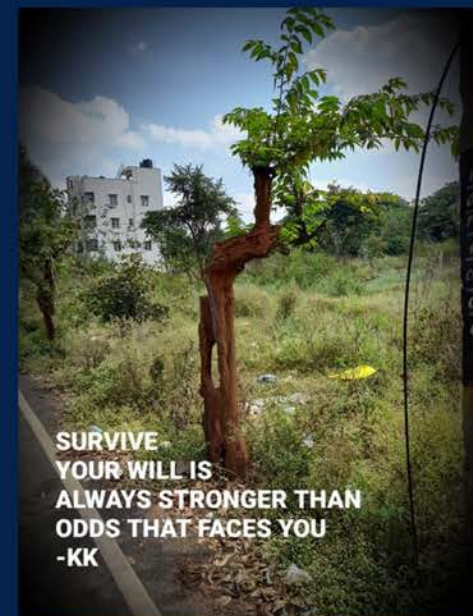
"Ignore is the strongest weapon; some can't afford it. Love is the strongest drug; some can't withstand it. Silence is the strongest answer; some can't spell it."

"Don't defend your irregularities; defend your tries."

"My body can take struggle but not emotional pain. My heart can take a breakup but not cheating. My mind can take intellectual games but not deceit. My soul can take liberational pain but not attachment. My consciousness can take senseless being but not being unaware. Then who am I to take something or not."

"Nor accept the sorry or waste your energy and time in revenge; just go in the way of life."

"Survive; your will is always stronger than the odds that face you."



**SURVIVE -
YOUR WILL IS
ALWAYS STRONGER THAN
ODDS THAT FACES YOU
-KK**

THE EVOLUTION OF ARTIFICIAL INTELLIGENCE

What is AI?

Artificial intelligence, or AI, is technology that enables computers and machines to simulate human intelligence and problem-solving capabilities. On its own or combined with other technologies (e.g., sensors, geolocation, robotics) AI can perform tasks that would otherwise require human intelligence or intervention. Digital assistants, GPS guidance, autonomous vehicles, and generative AI tools (like Open AI's Chat GPT) are just a few examples of AI in the daily news and our daily lives. As a field of computer science, artificial intelligence encompasses (and is often mentioned together with) machine learning and deep learning. These disciplines involve the development of AI algorithms, modeled after the decision-making processes of the human brain, that can 'learn' from available data and make increasingly more accurate classifications or predictions over time.

Types of artificial intelligence: weak AI vs. strong AI

Weak AI—also known as narrow AI or artificial narrow intelligence (ANI)—is AI trained and focused to perform specific tasks. Weak AI drives most of the AI that surrounds us today. "Narrow" might be a more apt descriptor for this type of AI as it is anything but weak: it enables some very robust applications, such as Apple's Siri, Amazon's Alexa, IBM watsonx, and self-driving vehicles.

Strong AI is made up of artificial general intelligence (AGI) and artificial super intelligence (ASI). AGI, or general AI, is a theoretical form of AI where a machine would have an intelligence equal to humans; it would be self-aware with a consciousness that would have the ability to solve problems, learn, and plan for the future. ASI—also known as superintelligence—would surpass the intelligence and ability of the human brain. While strong AI is still entirely theoretical with no practical examples in use today, that doesn't mean AI researchers aren't also exploring its development. In the meantime, the best examples of ASI might be from science fiction, such as HAL, the superhuman and rogue computer assistant in 2001: A Space Odyssey.

Artificial intelligence applications

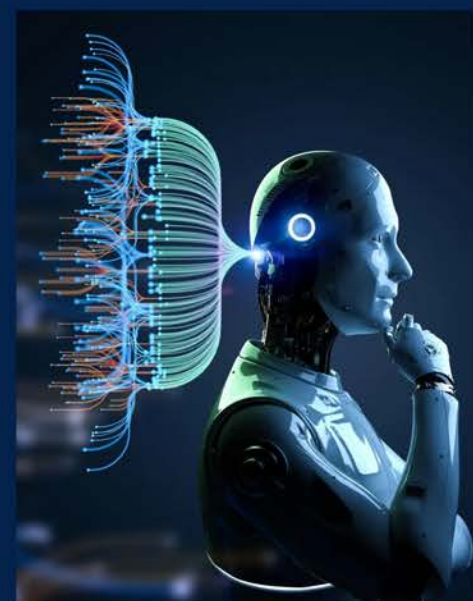
There are numerous, real-world applications for AI systems today. Below are some of the most common use cases:

Speech recognition:

Also known as automatic speech recognition (ASR), computer speech recognition, or speech-to-text, speech recognition uses NLP to process human speech into a written format. Many mobile devices incorporate speech recognition into their systems to conduct voice search—Siri.



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Customer service:

Online virtual agents and chatbots are replacing human agents along the customer journey. They answer frequently asked questions (FAQ) around topics, like shipping, or provide personalized advice, cross-selling products or suggesting sizes for users, changing the way we think about customer engagement across websites and social media platforms.

Supply chain:

Adaptive robotics act on Internet of Things (IoT) device information, and structured and unstructured data to make autonomous decisions. NLP tools can understand human speech and react to what they are being told. Predictive analytics are applied to demand responsiveness, inventory and network optimization, preventative maintenance and digital manufacturing.

TALE OF THE WOODLANDERS

The Woodlanders waltz at the arrival of Aurora.
Chatoyant lakes glistened by her touch.
Demure beings bask with effervescence at her lithe presence,
singing her a melody every waking day.
Naive it, most definitely was,
to believe this ephemeral moment would last forevermore.

With blood-lust they came and slaughtered tranquillity.
Using tools of violence, they painted crimson.
The nefarious beings drained the elixir of life.
A raging inferno attempting to extirpate the utopia.
For their intent was to colonize the lands and hearts,
pushing all deemed unworthy into oblivion.

"Why Aurora, did you appear before these beasts?", wept the humming bird.

"Incinerated are our homes!" screamed a child,
for her sadness was ineffable.

"Oh Mother! I hope you to swallow those devils!", hopeful was the dying fish,

knowing the panoply of tears could perhaps save it.

Were they trampled on for not having a voice?

What about those who did?

Were the screams of pain left undeciphered?

Did the tears seem joyful?

Will this despair repeat in the future to come?

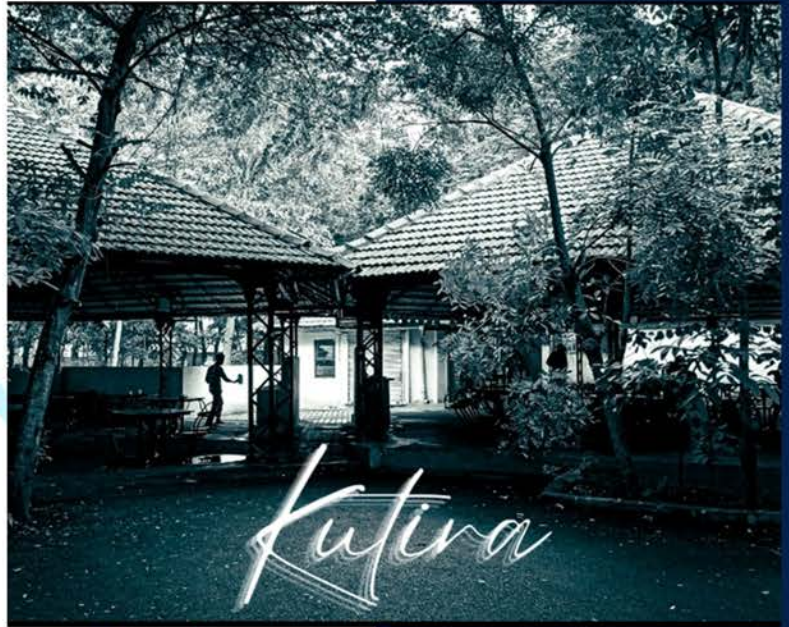


TANYA DEEP
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REFLECTIONS IN PIXELS

RAGHVENDRA SHARMA
TBY21CS225

1. Maharaj Bada, also known as Jayaaji Chowk, is a significant place in Gwalior, Madhya Pradesh, India. It is a large square that is built in seven different architectural styles, including British, Roman, French, and Italian. This statue is of Maharaja Jayajirao Scindia.



2. Kapi kuttira where we relax ourselves from all life burden and place loved by all college students to just vibe around.

3. This tree is also in our college which makes our college shine with its pink grace bangalore blossoms in spring season. (captured from BSN block 3rd floor tree is in front of Academic block)

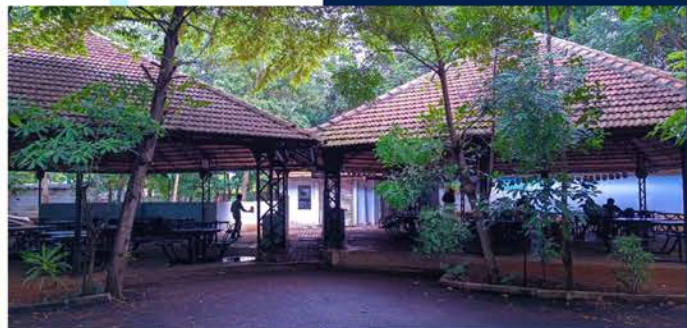


4. The Building which would hold someone's attention amidst all the hustle is the white & red General post office. Its magnificence lies in its style of construction. The long steps leading to its entrance are followed by tall pillars on which rested is the triangular architrave, an important feature of Greek architecture.

5.A beautiful sunset view at lake near Singanayakanahalli Yelahanka bangalore.



6.Neon light Rails telling about the buzz of bangalore in night that it just make people running from here and there non stop.



7.Adiyogi - The Source of Yoga Installed near the Adiyogi is the Yogeshwar Linga, which was consecrated by Sadhguru, as a manifestation of five of the major chakras in the human system. Adiyogi, with the presence of the Yogeshwar Linga, has become a living entity.

8.Another shade of kutira

9.The Italian Garden in Gwalior is a hidden gem that holds its own unique significance. Tucked away in the heart of the city, the Italian Garden showcases the harmonious blend of Italian architectural influences and Indian natural aesthetics.



10.Our BMSIT CAMPUS VIEW FROM TERRACE after rain shower.

11.Birds, beauty of nature.

BIMGPT

Before exploring BIM-GPT, it is essential to grasp the concepts of BIM and GPT, covering their operations, necessity, working, importance, development, advancement, research, and productivity.

WHAT IS GPT:

Generative Pre-trained Transformers are neural network models based on the transformer architecture, revolutionizing AI with their capacity to generate human-like text, images, music, and more. These models empower applications like ChatGPT to engage in conversational interactions, answer questions, and create content, making them pivotal in various industries for tasks such as Q&A bots, text summarization, content generation, and search.

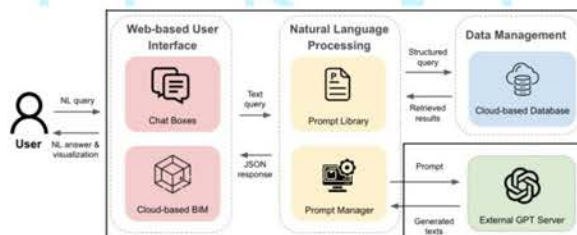
WHY IS GPT IMPORTANT :

The emergence of GPT models, especially employing the transformer architecture, marks a groundbreaking milestone in AI research, revolutionizing machine learning integration across tasks like language translation, document summarization, and content creation, owing to their exceptional speed and scalability, potentially reshaping productivity, organizational applications, and customer interactions while advancing AI research towards artificial general intelligence.

WHAT IS BIM:

Building Information Modeling involves creating and managing information for a built asset through an intelligent model and cloud platform, integrating data across disciplines to produce a digital representation of the asset throughout its lifecycle. This collaborative process enables various professionals to plan, design, construct, and manage buildings within a single 3D model, providing valuable data for informed decision-making even after construction.

IMPORTANCE OF BIM: BIM is pivotal in modern construction, transforming project design, construction, and management by creating digital representations of buildings and infrastructure. BIM fosters collaboration among architects, engineers, contractors, and clients, reducing errors and delays while enhancing decision-making throughout the project lifecycle. Through simulations, clash detection, and visualization, BIM optimizes resource allocation, minimizes risks, and improves communication among stakeholders, ultimately leading to more efficient and sustainable project delivery.



ALLWIN JOHN SAMUEL
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BIMGPT

The emergence of BIMGPT, inspired by ChatGPT, has the potential to revolutionize civil engineering, combining coding development skills with civil engineers' creativity. However, achieving its full potential may require another four to five years of development to reach peak performance. BIM has spearheaded a substantial digital transformation in the construction industry by enabling the creation of three-dimensional virtual models of buildings and construction structures. In this regard, ChatGPT has become a valuable tool for the world of BIM, offering a range of advantages that can significantly improve the efficiency and quality of the work of construction professionals.

ChatGPT's immediate and precise insights on BIM-related inquiries foster collaboration and communication, while its learning capability enhances responsiveness, saving users time and aiding in task prioritization. Success stories, such as the New York Rehabilitation Hospital and Tower of London projects, highlight ChatGPT's role in solving technical problems and improving communication efficiency. Additionally, university studies, like those conducted by Delft University of Technology and Hong Kong University of Science and Technology, demonstrate ChatGPT's effectiveness in enhancing communication efficiency and improving the accuracy and quality of BIM models in construction projects. Efficient information retrieval (IR) from building information models (BIMs) poses significant challenges due to the necessity for deep BIM knowledge or extensive engineering efforts for automation. We introduce BIM-GPT, a prompt-based virtual assistant (VA) framework integrating BIM and generative pre-trained transformer (GPT) technologies to support NL-based IR. A prompt manager and dynamic template generate prompts for GPT models, enabling interpretation of users' NL queries, summarization of retrieved information, and answering BIM related questions. In tests on a BIM IR dataset, our approach achieved 83.5% and 99.5% accuracy rates for classifying NL queries with no data and 2% data incorporated in prompts, respectively. Additionally, we validated BIM-GPT's functionality through a VA prototype for a hospital building. This research contributes to the development of effective and versatile VAs for BIM IR in the construction industry, significantly enhancing BIM accessibility and reducing engineering efforts and training data requirements for processing NL queries.

There has been certain advancements and research regarding the works of combining BIM and GPT. Currently there is a bimGPT By Christian Cabrera. This GPT has the skills and knowledge for modelling, coordinate and manages business process of BIM in construction industry.



HOW SOCIAL MEDIA AFFECTS OUR FEELINGS: EASY WAYS TO FEEL BETTER

In today's world, we're all pretty glued to our phones, right? Social media, like Facebook and Instagram, is a big part of that. It's cool because we can talk to friends and share stuff about our lives. But did you know it can mess with how we feel, too?

HOW SOCIAL MEDIA MAKES US FEEL-

Feeling Like We're Not Good Enough

Ever notice how everyone's life on social media seems perfect? It's like they're always doing fun stuff and looking great. But remember, people usually only show the best parts of their lives online. It can make us feel like we're not as cool or successful as others.

Always Feeling Left Out

Seeing friends having a blast without us can make us feel left out. It's that FOMO feeling - fear of missing out. We see all the cool stuff others are doing and wish we were there, too.

Not Feeling Good About Ourselves

All those edited photos and filters can mess with how we see ourselves. We might start feeling bad about how we look without filters or what we're doing with our lives. But remember, most people don't look perfect all the time - it's just the magic of social media filters.

HOW TO FEEL BETTER-

KABI PHONE BAND KARKE ,TERRACE PE JAKE BAITKE VO CHAND VO RAAT VO TAARE VO HAVA MEHSOOS KIYE HO.NOTHING CAN BE BETTER THAN THIS TO FEEL BETTER.

But hey, it's not all bad news. There are things we can do to feel better about ourselves and our social media habits.

Take Breaks

It's okay to step away from social media sometimes. Try setting limits on how much time you spend scrolling through feeds. You might find that taking breaks helps you feel more relaxed and less stressed.

Choose Wisely

Be picky about who you follow and what you see on social media. If an account makes you feel bad about yourself, unfollow it! Instead, follow people who inspire you and make you feel good about yourself.

Relax and Chill.



AYESHA KOUSER B
1BY22CS032



Sometimes we need to take a deep breath and relax. Try doing mindfulness exercises or activities that help you unwind. It's all about taking care of yourself and finding ways to feel good, even when social media gets overwhelming.

Hang Out in Real Life

Nothing beats spending time with friends and family in person. Try to make plans to hang out offline and have real conversations. It can help you feel more connected and less focused on what's happening online.

So, yeah, social media can be a bit of a rollercoaster sometimes. But by being mindful of how it affects us, setting boundaries, and taking care of ourselves, we can find a healthier balance. Remember, it's okay to take a step back and prioritize our mental well-being - both online and offline.

I think social media won't affect you when you learn the right way of using it.



NEELA POEMS

1. ಬಾಡಿದ ಅಲೆಗಳು

ಹನ ಹನ ನೀರು ಸೇರಿಮೂಡಿಸಿತು ಸಾಗರವ,
ಸತತ ಮುತತ ಲ್ಲನ ಹಕಿ ಗಳು
ಹಾರಿಬಂದವುನೀಡ್ಲು ಸಡ್ಗರವ,
ಕಡ್ಲನ ಉದು ಕ್ಕಿ ಕಾಣಿಸಿದ್ದು ಅರ್ಭಟ್ಟಸವ
ಅಲೆಗಳು
ಅದರ ಭಾವವನ್ನು ಅಲ್ಲಸಿದ್ದು ಶುದಧ ಮನಸಿ ನ
ಆಲೆಗಳು .

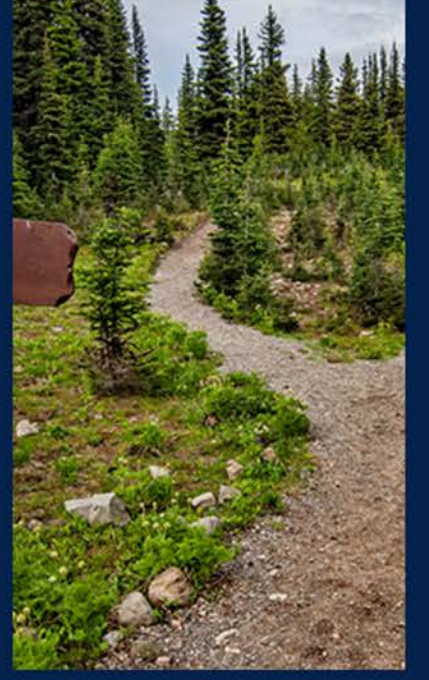
ಮಾಸವ ಬಣಣ ದಂತೆ ಬಾಡಿತು ಸಾಗರದ ಉತ್ತಿ
ಹ,
ಆದರೂಜೊತೆಯಲ್ಲ ನೀಡಿಹೋಯಿತುಪ್ರ ೀ ತ್ತಿ
ಹ,
ಎಲಾ ವನ್ನು ನೀಗಿಸವ ಶಕಿತ ಶಾಲ್ಲ ಅಂಶ
ಸಮಯ,
ಇದೇ ಜೀವನದ ಸಾರ್ಭಕತೆಯ ವಿಸಮ ಯ.
~ನೀಲ್



**NEELA N
1BY21IS092**

2. TRAVELING ALONG THE PATH OF LIFE

Traveling along the path of life
Competing with the time that flies
Forgetting the essence of your purpose
You blindly move towards your repose.
Unable to hold the tides of emotion ,
Encountering the future without any caution
You revolve around the dangerous peak of ego,
Having no clue when the power orders you to go .
Taking a break for realisation,
Checking if your 'self' has satisfaction
Move ahead with your gleaming eyes,
Such that the rest of the journey is as clear as crystal ice .
~Neela N



3. REAL HEROES

Protecting our nation in the borders
Proudly stand our soldiers,
As hard as a rock ,
With their emotions locked .

With pure patriotism in their blood,
And complete determination in
their head ,
They are our heroes in the strive ,
Who sacrifice their lives .
~Neela N

4. ಬಾಳು ನೀ ಪ್ರ ಕೃತಿಯಂತೆ

ಪ್ರ ಕಾಶಮಾನವಾಗಿಹೊಳೆಯುವ ಸುಂದರ
ಕಿರಣಗಳು
ಮನ ಬಿಚ್ಚಿ ನಗುವ ಸುಂದರಹೂವುಗಳು .
ಪ್ರ ವಾಹವನ್ನು ಮೆಟ್ಟಿ ನುಂತಿರುವ ಬೆಟ್ಟ ಗುಡ್ಡ
ಗಳು
ತಣಣ ನೆ ಗಾಳಿಗೆ ತಲೆದೂಗುವ ಮರ ಗಿಡ್ಡಳು .

ಆಕಾಶದಲ್ಲಿ ಸದ್ದು ಮಾಡುತ್ತ ಹಾರುವ ಹಕ್ಕಿ ಗಳು
ಕತ್ತಲೆಯ ರಾತ್ರಿ ಯಲ್ಲಿ ಬೆಳಗುವ ಬೆಳಿ
ಬೆಳದುಂಗಳು
ಕಾಶ್ಮೀರದ ಬಿಳಿಮಂಜು ಗಡ್ಡಡ ಗಳು ,
ಕನ್ಯಾ ಕುಮಾರಿ ಸಮುದರ ದ ಅಲೆಗಳು
ಈಯಾವುದಕ್ಕಿ ಇಲಾ ದ ಬೇದವ
ನೀಯಾಕೆಮಾಡುತಿತ ೇಯಮಾನವ.

~ನೀಲ್



CHASING GOLD WHILE DIAMONDS DWELL WITHIN: UNVEILING OUR TRUE WEALTH

Fading of Indian traditions amidst modernization and globalization encapsulates the multifaceted challenges faced by cultural heritage in contemporary society.

Modernization, globalization, and evolving lifestyles as key drivers behind the waning adherence to traditional practices. The fast-paced nature of modern life often leaves little space for the intricate rituals and customs embedded within Indian cultures. Moreover, urbanization has led to the dispersion of families, resulting in a disconnect from elders who once served as custodians of these traditions.

The influence of Western culture, perceived as progressive, has also contributed to the dilution of indigenous practices, while scientific skepticism has challenged the validity of certain traditions, leading to their decline among the younger generation.

Social pressures, including the desire to conform and fit in with contemporary norms, further inhibit the preservation and continuation of cultural heritage. Peer pressure and fear of ridicule may deter individuals from openly embracing their cultural identity.

To counteract this trend, you emphasize the importance of education in fostering an appreciation for cultural roots and heritage. Understanding the historical significance of traditions can cultivate a deeper connection to them and instill a sense of pride in one's cultural identity.

Creating inclusive spaces for dialogue and exploration of cultural heritage is also crucial in bridging the gap between tradition and modernity. Encouraging open discussions and providing platforms for addressing doubts and concerns can help alleviate misconceptions and foster a sense of belonging.

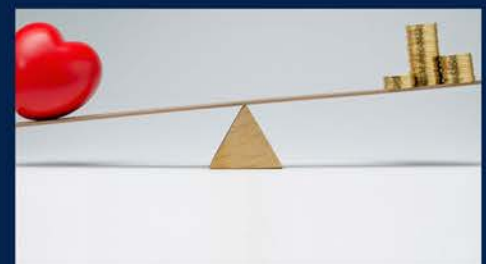
Additionally, adapting traditions to align with contemporary lifestyles while preserving their essence can make them more accessible and relevant to younger generations. Integrating cultural practices into everyday routines can prevent them from becoming obsolete relics of the past, ensuring their continued relevance and significance in the modern world.

In essence, our reflection underscores the importance of preserving and revitalizing Indian traditions amidst the rapid changes of the modern era. By acknowledging the challenges and proactively addressing them through education, dialogue, and adaptation, communities can safeguard their cultural heritage for future generations.

Modern sciences have recently discovered that even the smallest aspects of Indian culture of wearing a saree have scientific reasons. It is a well-known fact that humans possess two life-giving elements i.e. Energy & Consciousness. Since energy has a natural movement of a circular motion, in a healthy body too, energies keep moving in a circular motion.



VEEKSHA SAI
IBY23CS097



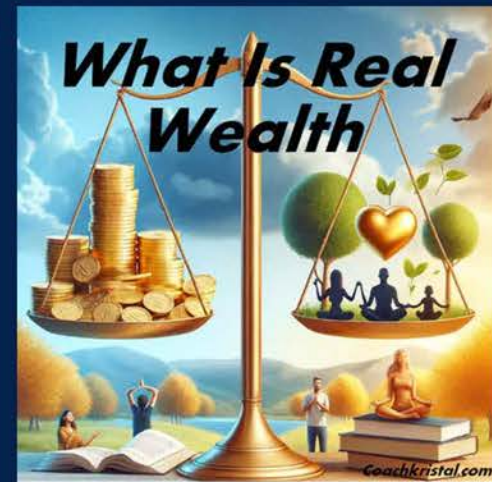
Any energy coming towards our body first comes in contact with our clothes and then enters the body finally reaching the internal organs. We drape a saree around our bodies in a circular motion and so when any energy touches the saree, it travels in circles thereby helping the energy to move in the correct way.

Negative energies are heavy in nature, so much so that they cannot move around a lot. Since the saree's length is approximately 6-9 yards, the negative energies experience a decrease in their momentum and end up entangling in the cloth itself. This tradition has been deeply rooted in India for generations, predating the era when science could ascertain its true rationale.

Srinivasa Ramanujan (an Indian mathematician) is considered one of the great mathematicians in the world. He has made some extraordinary discoveries in mathematics during his short life span. One such discovery was on the counting of prime numbers. American researchers now say Ramanujan's formula could explain the behavior of black holes, the Daily Mail reported. "We have solved the problems from his last mysterious letters. For people who work in this area of math, the problem has been open for 90 years" Emory University mathematician Ken Ono said. His knowledge could anticipate the existence of black holes in an era when science was not widely discussed.

The Indians, renowned for their mathematical prowess, developed sophisticated astronomical systems seamlessly integrated with their religious and philosophical beliefs. The roots of Indian astronomy can be traced back to Indus Valley civilization: the Vedas, ancient scriptures dating back to 1500BCE or earlier, serving as a foundation source. In ancient astrology, planets were perceived as celestial wanderers, each possessing a distinct personality and influence.

The Rigveda - the earliest account of ancient Indian civilization - mentions that Ashwini Kumaras known as Dev Vaidya were the chief surgeons of Vedic periods, who had performed rare legendary surgical operations which included the first plastic surgery. Their other classic work included an eye operation, the implantation of teeth in a toothless mouth. They transplanted an iron leg for who lost their leg in a war. Ashwini Kumaras had performed both homo- and hetro-transplantation during the very the ancient time of Rigveda which is estimated about 5000 years ago; such miraculous magical surgical skill of the Rigvedic period may seem mere legends or mystery to modern medical sciences. The surgical skill has traversed through the ages ranging from the Ashwini Kumaras, Chavana, Dhanvantari through Atereya Agnivesh and Shushruta. Craniotomy and brain surgery were also practiced in a more sophisticated way.



We know that the person who is credited to develop the atomic theory is John Dalton who was an English chemist. However, the atomic theory was formulated 2500 years before Dalton which was given by an Indian sage and philosopher. The concept of atoms: The ancient Indian text, the Vaisheshika Sutra, describes atoms as the smallest indivisible units of matter.

Similarly, before Newton, the laws were discovered by Indian scientist and philosopher Rishi Kanada who had given Vaisheshika Sutra in 600 BCE which describes the relation between force and motion.

Why are these contributions not mentioned in our so-called modern science textbooks? Has the rich heritage of India been forgotten?

Bhagavad Gita, one of the most authentic scriptures of India, is being taught as an elective or regular course in various universities around the world. Many schools, colleges and universities have included the Gita in their curriculum. Top ranking professional universities abroad like Oxford, Harvard and Seton Hall among many others have been teaching Gita besides other courses in humanities and social sciences. They mostly believe that the course helps in personality development and professional competence of their students. Why is our own country India not ready to take this step?

Why is India seemingly forsaking its culture in the pursuit of development, while people from abroad embrace and incorporate Indian heritage?





ART GALLERY

NISHANTH R NAYAK



**MONISHA K Y
IBY14CV030
DEPT. CIVIL ENGINEERING**



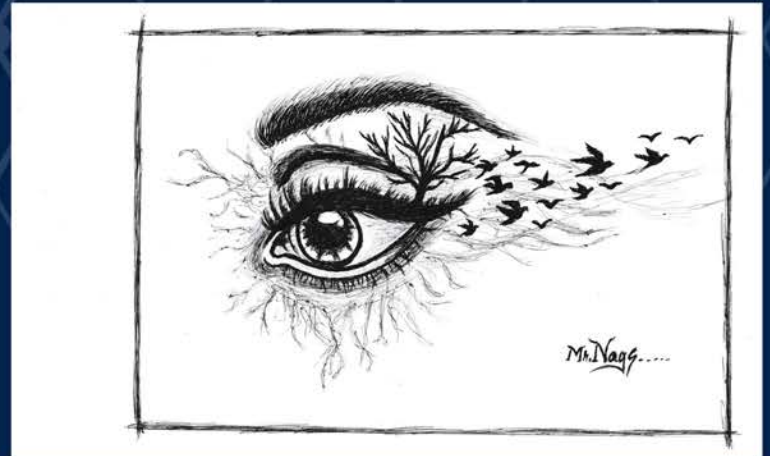
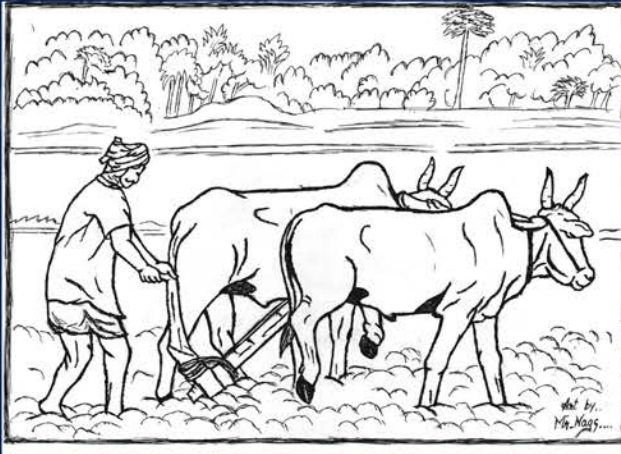
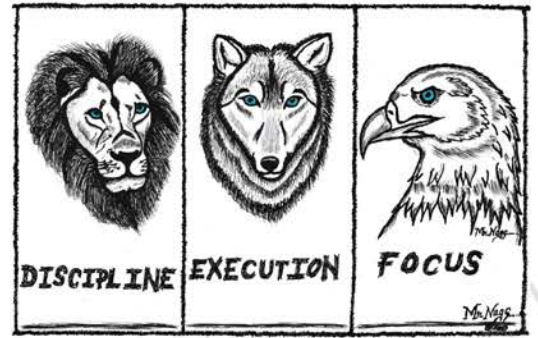
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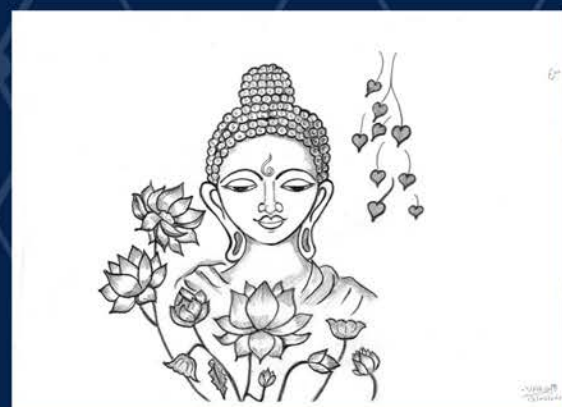
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KAVYA S
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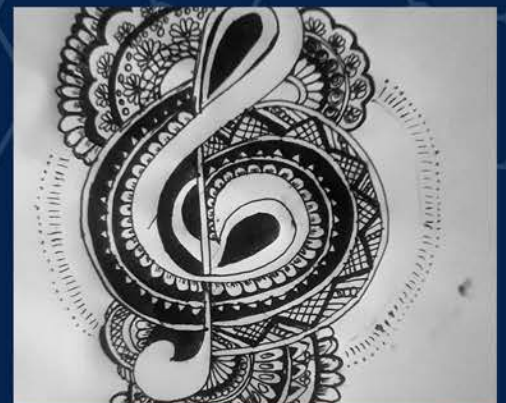
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LEKHASHREE C V
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RAKSHA BHAT
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DEPT. MBA

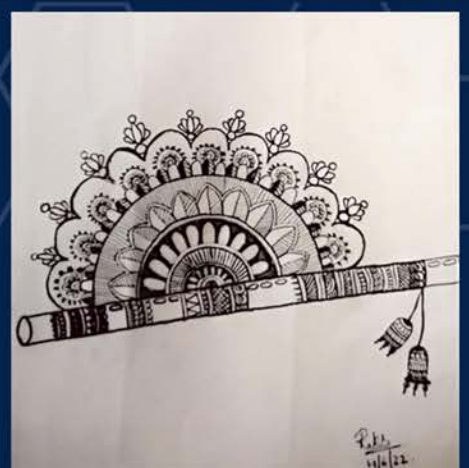




PHOTO GALLERY



Deans



Heads Of All Departments



Department of Computer Science Engineering - Faculty



Department of Computer Science Engineering - Final Year Students 1



Department of Computer Science Engineering - Final Year Students 2



Department of Computer Science Engineering - Final Year Students 3



Department of Electronics and Communication Engineering - Faculty



Department of Electronics and Communication Engineering - Final Year Students



Department of Mechanical Engineering - Faculty



Department of Mechanical Engineering - Final Year Students



Department of Electronics and Telecommunication Engineering - Faculty



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



Department of Electrical and Electronics Engineering - Faculty



Department of Electrical and Electronics Engineering - Final Year Students



Department of Information Science Engineering - Faculty



Department of Information Science Engineering - Final Year Students 1



Department of Information Science Engineering - Final Year Students 2



Department of Mathematics



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 Masters of Computer Applications - Faculty



Department of Masters of Computer Applications - Final Year Students



Department of Masters of Business Administration - Faculty



Department of Masters of Business Administration - Final Year Students



Department of Physics



Department of Chemistry



Accounts Staff



Administrative Staff



Examination Section



Placement Department



Library Staff



Building Section



BMS Innovation Centre and Entrepreneurship Park (BICEP) - Team



Research and Development Cell



Sports Department



Cultural Team



NSS Team



Hostel Staff



Women Empowerment Cell



Information Technology Cell Section



Transportation Staff



Security Staff

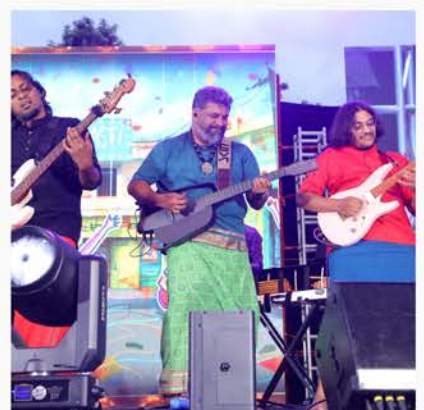


Housekeeping Staff



Gardening Staff

UTSAHA VAIBHAVA 2024



MANTHANA 2024 ಮಂಥನ 2024



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

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