BMS Institute of Technology and Management

(Accredited By National Assessment & Accreditation Council (NAAC))
(Approved by AICTE, New Delhi & Affiliated to Visvesvaraya Technological University, Belagavi)

Doddaballapura Main Road, Avalahalli, Yelahanka, Bengaluru-560119

"ByteStream"

Volume-7 & issue-1

NEWS LETTER (JULY-DECEMBER 2024)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACCREDITED BY NATIONAL BOARD OF ACCREDITATION

Vision of the institute

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

Mission of the institute

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

Vision of the Department

To be a centre of excellence in Computer Science and Engineering education and research, nurturing technically competent, ethically responsible, and socially conscious professionals to meet global challenges and drive sustainable innovation.

Mission of the Department

M1. To impart quality education in Computer Science and Engineering by integrating fundamental knowledge with emerging technologies and industry practices.
M2. To foster innovation, problem-solving, and research aptitude through a curriculum enriched with project-based learning, professional activities, and collaborative initiatives.
M3. To develop graduates with strong ethical values, leadership qualities, and a commitment to lifelong learning through co-curricular and extra curricular activities

Program Educational Objectives-PEO's

PEO 1 - Professional Excellence: Pursue successful careers in industry, academia, and entrepreneurship by applying the foundational knowledge of Computer Science and Engineering with professional competence.
PEO 2 - Higher Education and Lifelong Learning: Engage in higher studies, research, or professional development programs, demonstrating a commitment to lifelong learning in a rapidly evolving technological landscape.
PEO 3 - Ethics and Social Responsibility: Exhibit ethical behaviour, effective communication, teamwork, and leadership qualities, with a strong sense of responsibility toward society and the environment.

Program Specific Outputs-PSO's

PSO1: Apply theoretical foundations, Algorithmic principles and software engineering practices to develop efficient and scalable IT solutions.
PSO2: Design effective systems by leveraging principles of computing and communication technologies.

Program Outcomes (POs)

PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4).

PO3 Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5).

PO4: Conduct Investigations of Complex Problems: Conduct investigations of omplex engineering problems using research-based knowledge including design of experiment modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO5: Engineering Tool Usage: Create, select and apply appropriate techniques,resource and modern engineering & IT tools including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6).

PO6: The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO7:Ethics: Apply ethical principles and commit to professional ethics, human values diversity and inclusion; adhere to national & international laws. (WK9).

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9: Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences

PO10: Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments. technologies and
iii) critical thinking in the broadest context of technological change. (WK8)

PO11: Life-Long Learning: Recognize the need for, and have the preparation and ability for :
i) independent and life-long learning
ii) adaptability to new and emerging technologies and
iii) critical thinking in the broadest context of technological change. (WK8).

Knowledge Profiles (WK):

WK1 :Understanding of natural and social sciences.
WK2: Mathematics, numerical analysis, data analysis, and computing.
WK3: Engineering fundamentals.
WK4: Specialized engineering knowledge.
WK5: Engineering design and operations, including sustainability.
WK6: Engineering practice (technology)
WK7: Role of engineering in society, sustainability, and professional responsibility.
WK8: Current research literature and critical thinking.
WK9: Ethics, professional responsibilities, and inclusive behavior.

HOD'S DESK

Dr. Thippeswamy G
BE, ME, Ph.D.

I am extremely happy to share with you the progress; Department of Computer Science & Engineering has made during the 2024 – 2025 odd semester. The Department has been one of the most vibrant among all, in terms of students, faculty, facility, placements, internships, and incubation centres. The department is recognized as a Research Centre by VTU and 19 scholars who have enrolled for Ph.D. The department is supported by 42 qualified and experienced faculty members with 23 Doctoral degree holders in different domains. The department has a team of highly-skilled, motivated, proficient faculty, and technical staff members who are striving hard continuously to enhance the quality of education. The department has highly competent students who are undergoing internship in reputed companies getting stipends up to Eighty thousand rupees per month. The Department has adopted the practice of Outcome Based Education (OBE). The Undergraduate Programme is accredited by National Board of Accreditation (NBA), New Delhi, and Permanently Affiliated to Visvesvaraya Technological University (VTU), Belagavi. The department has set up student chapters like the IEEE student club and CSI on the campus to bridge the gap between industry and academia with a vision, "IT for Masses", thus enabling IT professionals and computer users to work towards making the profession an area of choice. With this, I am very confident that the department is poised to take on challenges to meet the industrial and societal needs in years to come...

CLUSTER-1

Professors

Dr . Thippeswamy G
Professor & HOD

Dr. Mahesh G
Professor & Associate Head - Cluster-1

Associate Professor

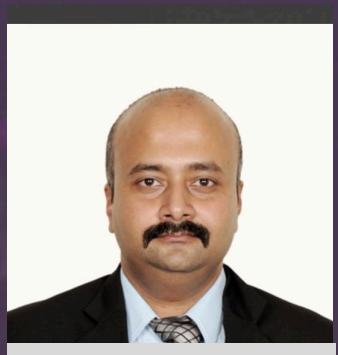
Dr. Bharathi R
Associate Professor

Dr. Nagabhushan S V
Associate Professor

Dr. Ashwini N
Associate Professor

Dr. Dhanalakshmi B K
Assistant Professor

Prof. Jagadish P
Assistant Professor



Prof. Guruprasad S
Assistant Professor

OUR FACULTIES

Assistant Professors

Prof.Mohammed Khurram J
Assistant Professor

Prof. Shilpa M
Assistant Professor

Prof.Goutami Chenumalla
Assistant Professor

Dr. Shankar R
Assistant Professor

Prof. Arpitha Shivanna
Assistant Professor

Prof. S Packiya Lekshmi
Assistant Professor

Prof.Chaitanya V
Assistant Professor

Prof.Beerappa Belasakarge
Assistant Professor

OUR FACULTIES

TECHNICAL STAFFS

Mr. P. Ashok Kumar
Instructor

Mr. Srinivasmurthy
Instructor

Mr. Liju C
Assistant Instructor

Mr. Radhakrishna G K
Assistant Instructor

Mrs. Rosary Josphene Mary
SDA

CLUSTER-2

PROFESSORS

Dr. Sanjay H A
Professor& Pricipal

Dr. Satish Kumar T
Assoc.Prof & Assoc. Head -Cluster-2

Dr. Usha B A
Professor

ASSOCIATE PROFESSOR

Dr. HemaMalini B. H
Associate Professor

ASSISTANT PROFESSORS

Dr. Muneshwara M S
Assistant Professor

Dr. Durga Bhavani A
Assistant Professor

Dr. Lakshmi B N
Assistant Professor

OUR FACULTIES

Prof. Brunda S
Assistant Professor

Dr. Jai Arul Jose G
Assistant Professor

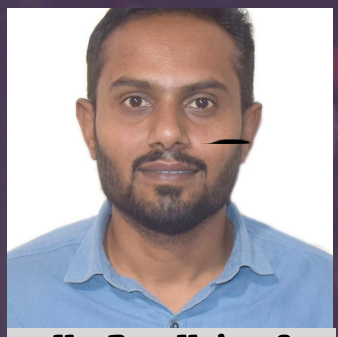
Prof. Chandini A
Assistant Professor

Prof. Priyanka M R
Assistant Professor

Prof.Soujanya S D
Assistant Professor

Dr. Neetha P U
Assistant Professor

TECHNICAL STAFFS AND SDA



Mr. Ram Mohan S
Assistant Instructor

Ms.ROSEMARY K RAPPAI ASST. INSTRUCTOR

Mr. Vishwanath Desai
Assistant Instructor

Mr. Shiv kumar
SDA

CLUSTER-3

ASSOCIATE PROFESSORS

Dr. Anil G N
Vice Principal

Dr. Radhika K R
Associate Professor &
Associate Head
-Cluster-3

Dr. Ravi Hosur
Associate Professor

Dr. Arunakumari B N
Associate Professor

ASSISTANT PROFESSORS

Prof. Vishakha Yadav
Assistant Professor

Dr. Anand R
Assistant Professor

Prof. Yoga Durgadevi
Goli
Assistant Professor

Dr. Vidya R Pai
Assistant Professor

Prof. Rajesh N V
Assistant Professor

Dr. Ambika G N
Assistant Professor

Prof. Mari Krithima A
Assistant Professor

Prof. Tanya Chandra
Assistant Professor

CLUSTER-3

Prof.Shama H M
Assistant Professor

TECHNICAL STAFF AND SDA

Mr. Raju T
Assistant Instructor

Mr. Hareesh naik
Assistant Instructor

Mr.Puneet Dodamani
Assistant Instructor

Mrs. Asha
SDA

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Faculty as Resource Person :

1. Dr. Gerard Deepak, Associate Professor, Department of Computer Science and Engineering has extended his support for delivering a talk as a resource person for the FDP titled "Mastering LaTeX for Academic Research and Technical Documentation" in a One Day FDP program on 14.09.2024 at R.L. Jalappa Institute of Technology, Doddaball -apura, Karnataka, India.

2. Prof. Neetha P U, Assistant Professor, Department of Computer Science and Engineering has extended her support for delivering a talk titled "Mastering LaTeX for Academic Research and Technical Documentation" on 14.09.2024 at R.L. Jalappa Institute of Technology, Doddaballapura, Karnataka, India.

Dr. Gerard Deepak and Prof.Neetha P U being Honored as Resource Persons from RLJIT, Bengaluru.

3. Dr.Usha B A, Professor, Dept of CSE has served as Resource Person for the 36th Batch Cyber Crime Investigation Course Organised by Police Training School, Thanisandra during 09.12.2024.

Faculty as Resource Person :

4. Dr.Usha B A, Professor, Department of CSE has been invited to serve as External Expert on the Interview Panel for the Faculty Selection during 13.12.2024

5. Dr. Muneshwara M S Asst. Prof. Dept. of CSE Delivered a Technical talk on "Blockchain with IoT "for AI&ML students at S.E.A College of Engineering & Technology, (NAAC Accredited with B++ Grade) , Bengaluru 560049 during 30.10.2024..

Faculty Awards:

1. Dr. Manoj H M, Associate Professor, Shishira Gowda, Naveen M, PG Students, Department of CSE, received a Best Paper Award with the Cash Prize of 5,000 Rs for the research paper titled "Recognition of Sign Language usin E-CNN "at ERCICA-2024 International Conference powered by SPRINGER organised at BGS College of Engineering & Technology (BGSCET) on 16.07.2024

2. Prof. Muneshwara M S, Assistant Professor, Dept. of CSE received an "Doctoral of Philosophy(Ph.D.)" award from VTU Belagavi on 18.07.2024.

3. Prof. Ambika G.N, Assistant Professor, Dept. of CSE received an "Doctoral of Philosophy (Ph.D)" award from VTU Belagavi on 18.07.2024.

Faculty Awards:

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4 . Prof. Shankar R, Assistant Professor, Dept. of CSE received an "Doctoral of Philosophy (Ph.D)" award from VTU Belagavi on 18.07.2024.

.5 Dr. Gerard Deepak, Associate Professor, Department of Computer Science and Engineering featured in the World's Top 2% Scientist by Stanford University and Elsevier list based on c-score for the year 2023 featured in the 2024 list. This year he was awarded for the sub-area of Defence and Strategic Studies. This is the third time Dr. Gerard Deepak has been listed in this top 2% global scientist list. Last year for 2023, he was listed for the sub-field Artificial Intelligence and Image Processing. In 2022, also he was listed for Artificial Intelligence and Image Processing.

6 .Dr. Gerard Deepak, Associate Professor, Department of Computer Science and Engineering was felicitated with the Best Researcher Award for 2023-2024 by BMS Institute of Technology and Management in the Engineers Day event on 20.09.2024.

7. Prof.Durga Bhavani, Assistant Professor, Department of CSE under the Guidance of Dr. Srivani P, Associate Professor, Department of AI&ML has Successfully Completed the Phd Final Viva Voice on 18.12.2024.

8. Dr. Muenshwara M S received BEST PAPER AWARD for the titled "HealthLink: A Cutting-Edge System for Secure Healthcare Data with IoT, Blockchain, and IPFS" in IEEE ICBDS 2024 3rd IEEE International Conference on Blockchain and Distributed IEEE ICBDS 2024 3rd IEEE International Conference on Blockchain and Distributed Systems Security 2024, 17.10.2024 – 19,10.2024.

Students Achievements / Awards :

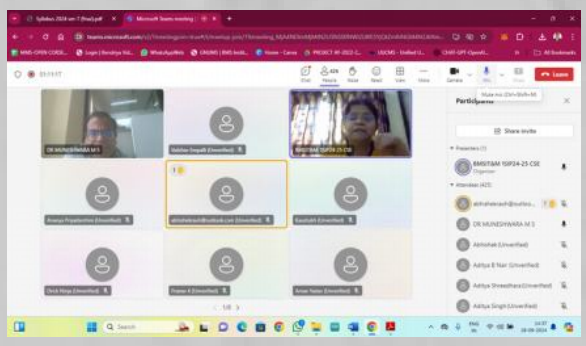
1. The below mentioned Students of CSE has secured NPTEL 5% Toppers List for July- Dec 2024.

   1.1.Marwan Salim Ali Ba Matraf (1BY21CS091) in Ethical Hacking has Secured 90%.
   1.2. Prakhar Boonlin(1BY21CS126) in Ethical Hacking has Secured 83%.
   1.3. Meghana Prasad(1BY21CS095) in E-Business has secured 75%.

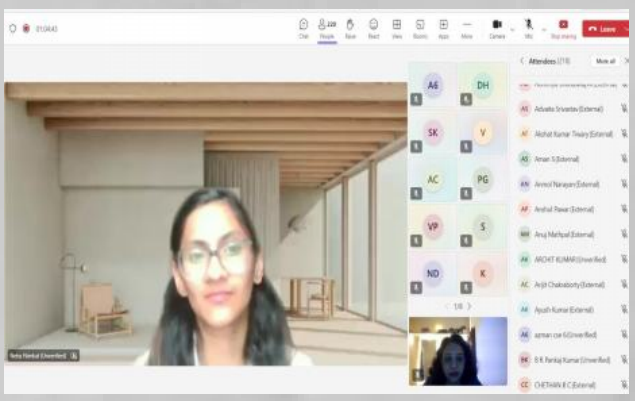
2. Student of 3rd sem D section,usn 1BY23CS249 Thota Laasya Reddy won third prize in AIGLE AIR team HackDayPondicherry Theme:Convertion of CO2 to O2 using algae.

EVENTS CONDUCTED

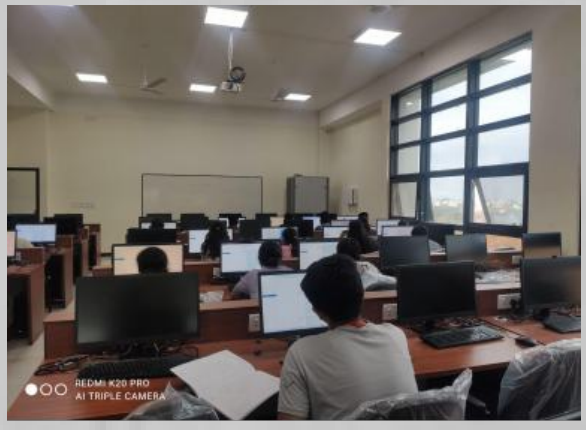
1. The Department of CSE organized an Orientation session on Mentoring system for First Year students as a part of First Year induction Programme - 2024 coordinated by Dr. Muneshwara M S, Asst. Prof. and Dr. Sheela K Assoc. Prof. on 18.09.2024 from 2.00p.m to 3.00 p.m



2. Dr. HemaMalini B H, Associate Professor, Dept of CSE organised an ONLINE session on "Health and Psychology" to all the 14 sections students of first semester Chemistry group for the Scientific Foundations of Research course to educate the students on Physical, Mental, Social, Emotional and Spiritual health on 25.10.2024, 6pm to 7pm IST. The speaker was Ms. Neha Nimba, MRes Psychology - University of Leicester 2024, England.



3. A Student Activity titled "Quiz Whiz" is conducted for 3rd Semester students on 18th Oct 2024 from 2:30 onwards organized by CSE Dept- C3 in association with CSI student branch. This event is organised to enhance the student's preparation for placements and competitive exams around 40 students have registered for the QUIZ WHIZ event.



INDUSTRY – INSTITUTE INTERACTION

1. Dr. HemaMalini B H, Associate Professor, Dept of CSE attended MongoDB Academic Summit 2024, arranged at Sheraton Grand,Prestige Shantiniketan, Whitefield, Bangalore On 10-9-2024 in association with ICT Academy.

WORKSHOPS / FACULTY DEVELOPMENT PROGRAMMES/FESTS

Students Workshop conducted/ organised:

1. AR VR HUB BMSIT in collaboration with the department of CSE had organized a workshop on "Blender Basic Workshop!" for the students of BMSIT &M on 19.07.2024.

2. Department has conducted a two days workshop on "MongoDB " for 4th semester CSE/ISE/AIML students.The Introductory session followed by hand-on sessions on basics and advanced techniques on MongoDB and JavaScriptwas conducted on 5.7.2024 and 6.7.2024

3. Department of CSE organized an expert talk on the topic on "Mastering Latex : To write Professional Reports & Papers for 5th sem and M.Tech students on 17th and 20.12.2024 .

WORKSHOPS / FACULTY DEVELOPMENT PROGRAMMES/FESTS

The Event was headed by Dr. Thippeswamy G, Prof & Head CSE and Dr.Sathish Kumar T, Associate Head-CSE "Mastering LaTeX: To Write Professional Reports & Papers" is a Student Development Program organized by the Department of Computer Science and Engineering .The program resource Person Dr. Prakash G. L Dr. Prakash G. L, Associate Professor in the Department of ISE at BMSIT&M, Bengaluru, will deliver expert insights during the program. His extensive experience in academia ensures a practical and comprehensive learning experience for participants.

4. PARTIAL DELIVERY - Object Oriented Programming with JAVA, Course Code :BCS306A Semester: III 'D' , Date- 7.12. 2024, 9:30 AM - 3:30PM Resource Person: Mr. Amogh G, Senior Software Engineer.

OPENTEXT

An amazing Java session led by industry experts. It was a fantastic hands-on experience, that covered the fundamentals of Java, providing a solid foundation for beginners and also dove into advanced topics,offering valuable insights and practical knowledge for enthusiasticprogrammers. The experts did a great job explaining concepts and providing details.

WORKSHOPS / FACULTY DEVELOPMENT PROGRAMMES/FESTS

5. PARTIAL DELIVERY – PYTHON - Course Code : BCS358D Semester: I Section(7,8,9) Date:-Dec 7 th 2024, 9:30 AM - 3:30PMResource Person: Mr. Ravi Singh, Software Developer

COMMENDA

Python Basics: Programming prototype, Logical Approach , Entering Expressions into the Interactive Shell, The Integer, Floating-Point, and String Data Types, String Concatenation and Replication, Storing Values in Variables, Flow control: Boolean Values, Comparison Operators, Boolean Operators, Mixing Boolean and Comparison Operators, Elements of Flow Control, Program Execution, Flow Control Statements, Importing Modules, Ending a Program Early Examples on Functions, List and Dictionary.

6. PARTIAL DELIVERY - CLOUD COMPUTING Date:-Dec 7th 2024, 9:30 AM - 3:30PM, Semester: VII 'C' Course Code :21CS742
Resource Persons: Mr. Sudarshan V. CloudSupport Engineer-AWS Mr. Tarun Jain , Software Developer-SAP Labs

WORKSHOPS / FACULTY DEVELOPMENT PROGRAMMES/FESTS

7.. PARTIAL DELIVERY - Full Stack Development Hands-On Session, Semester: V 'C' / Course Code : BCS501, BCSL504 Date:- Dec 7th 2024, 9:30 AM - 3:30PM Resources Persons: Mr. Harshit Chowdhary (Director,Morgan Stanley)

Harshit Chowdhary, a distinguished alumnus of BMSIT and a professional at Morgan Stanley, conducted an enriching session on Full Stack Development tailored for 5th semester students. The session offered a hands-on approach to understanding full stack development and valuable insights into the dynamics of the IT industry.

Key Highlights- Insights into the IT Industry:

Discussed the structure of the IT industry, including various hierarchical positions, providing students with a clear understanding of potential career pathways.

Technical Insights:

The session covered the fundamentals of full-stack development, highlighting the tools and technologies essential for building robust applications. Harshit also provided practical advice on selecting tools based on application requirements.

SDLC Quiz:

A quiz on the Software Development Life Cycle (SDLC) was conducted, enabling students to grasp the nuances of different development stages interactively.

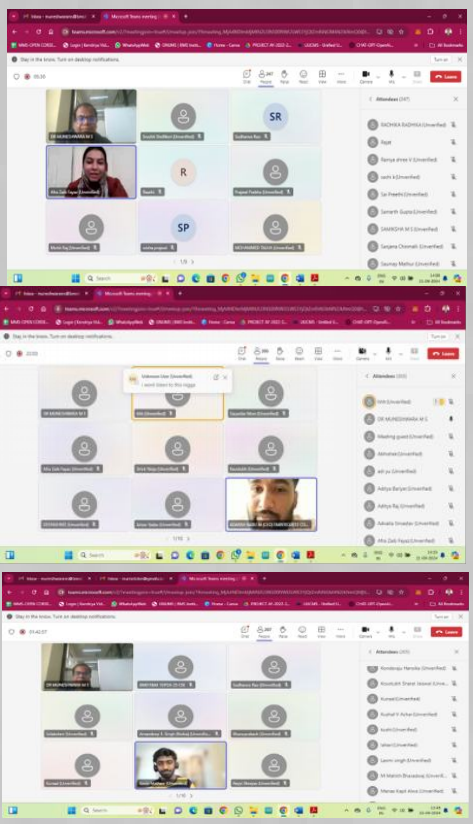
Project Showcase:

Demonstrated a job platform he developed, w here recruiters can post job openings, and job seekers can explore available positions. He detailed the frontend and backend utilities, illustrating how each component contributes to the seamless functionality of the platform.

SEMINARS/ EXPERT TALKS

Alumni Interaction:

1. Department organized an alumni interaction with Ms, Afra Zaib Fayaz(2022 BATCH ALUMNA), Staff Consultant - Developer , Oracle , Mr. Chethan Patel (2023 BATCH ALUMNA), Associate Software Engineer, Mobileum, Mr. Adarsh Babu M (2023 BATCH ALUMNA, CEO ,EMBERQUEST COMPANY) Mr. Kunaal Shivakumar(2024 BATCH ALUMNA) Associate SDET , Q2 Software and Kevin Mathew (2024 BATCH ALUMNA) Associate Software Engineer,Polaris. for First Year students as a part of First Year induction Programme - 2024 coordinated by Dr. Muneshwara M S, Asst. Prof. on 21.09.2024 from 2.00 p.m to 4.00 p.m



PUBLICATION OF RESEARCH PAPERS BY THE FACULTY MEMBERS

International Journal:

1. Neetha P U , Pushpa C N , Thriveni J , Venugopal KR. " PET-MADDi: Extended Multimodal Alzheimer's Disease Diagnosis Framework including PET scans " https://www.kexuetongbao-csb.com/ CSB (2024): ISSN: 0023-074X volume 69, Issue 09.
2. Prajwal M, Dr. Hemamalini B H, "Object Detection in video streaming by CUDA – GPU using Machine Learning Techniques", TANZ VOL 19, ISSUE 12, (2024): 91-98.
3. Santhosh Y .M, Dr. HemaMalini B H, Adil S, Yogesh S B , Rakshith M, " Stream lined Shopping Experience with Futuristic Automated Billing - SmartPay" ,15th International Conference on Advances in Computing,Control, and Telecommunication Technologies, ACT 2024, (2024): 1855–1860.
4. Gerard Deepak., Sudha, L., Pauline, S., Ketaraju, V. D. S., Aravindan, N.,& Neelima, S. (2024). "Thermodynamic modeling and AI-enhanced optimization of a novel tri-level waste heat recovery system for industrial processes." Thermal Science and Engineering Progress, Elsevier, Vol., 56, 103098, ISSN: 24519049 (Q1, Category Engineering, Impact Factor: 5.1)
5. Gerard Deepak, Aggarwal, K., Dineshbabu, N., Sowndharya, R., Manimaran, B., & Sagar, B. J. K. (2024). "Thermodynamic analysis of a novel concentrated solar power plant with integrated thermal energy storage. " Thermal Science and Engineering Progress, Elsevier, Vol. 56, 103055, ISSN: 24519049,(Q1, Category Engineering. Impact Factor: 5.1).
6. Gerard Deepak, Parthiban, M., Nath, S. S., Alfurhood, B. S., Mouleswararao, B., & Kishore, V. R. (2024). "Ai-enhanced thermal modeling for integrated process-product-system optimization in zero-defect manufacturing chains. " Thermal Science and Engineering Progress, Elsevier, 102945, ISSN: 24519049, (Q1, Category Engineering, Impact Factor: 5.1)
7. Sumathi M S,Bharathi R, Vidya R Pai., Quadratic Opposition Learning with Water Strider Algorithm based Energy Efficient Clustering and Routing for Wireless Sensor Network,International Journal of Intelligent Engineering and Systems (IJIES),Q2 Journal.
8. Vidya R Pai: ,Ravi Kumar B N, Anil G. N, Ambika G. N ' Deep Learning with IoT-Based Solar Energy System for Future Smart Agriculture System, International Journal of Advanced Computer Science and Applications, Vol. 15, No. 9, 2024,Web Of Science Indexing

PUBLICATION OF RESEARCH PAPERS BY THE FACULTY MEMBERS

9. Dr. Muneshwara M S, "Hydrodynamic Force Expression with Couple Stress Drag Over Sphere at Small Reynolds Numbers"Communications on Applied Nonlinear Analysis , DOI: https://doi.org/10.52783/cana.v31.1581, Vol. 31 , No. 8s (2024) , PP : 715 – 723, ISSN: 1074-133X , DEC -20241
10. Dr. Muneshwara M S, "Develop a Mathematical Model to Secure Anonymous Communication in Manet Through Cluster Framework " Communications on Applied Nonlinear AnalysisDOI: https://doi.org/10.52783/cana.v31.1544, Vol. 31 , No. 8s (2024),PP : 505 – 513, ISSN: 1074-133X, DEC-2024
11. Ravi Hosur, Sunanda Alur, Sana Mohammadi A Mulla,"An Automated Engineering Model to Forecast Cardiac Arrests' Need for Heart Surgery",(2024), Nanotechnology Perceptions,Vol.no.20(10), pp:611-621 Ravi Hosur, Pavan Mahendrakar, Ananda Hiremath, Daneshwari Noola,"Triangular Mesh and Neural Network for Object Search Based Cluster Centre Descriptor" (2024),SN Computer Science,vol. Non 5(8), article no-1171

International conference :

1. Dr. Archana R A, Dr. Lakshmi B N " A D-Tect System for Robust Human Target Detection and Acquisition to enhance safety" selected paper in International Conference on Emerging Research in Computing , Information, Communication and Application-2024 at BGSCET held on 16.7.2024.
2. Dr. Manoj H M, Shishira Gowda, Naveen M, "Recognition of Sign Language usin E-CNN " selected paper in International Conference on Emerging Research in Computing ,Information, Communication and Application-2024 at BGSCET held on 16.7.2024.
3. Dr.Usha B A, Professor, Dept of CSE and Aruna S Presented and Published the paper in the 4th International Conference on Mobile Networks and Wireless Communications (ICMNWC-2024) in association with IEEE Bangalore Section at Sri Siddhartha Institute of Technology, Tumakuru, Karnataka during 04-05 December 2024
4. IS Rajesh, Bharathi Malakreddy, Ravi Hosur, MK Vaibhav, Karthigeyan Kuppan, C Maithri,"Automated Identification of Age-Related Macular Degeneration in Color Retinal Fundus Images",2024 Fourth International Conference on Multimedia Processing, Communication & Information Technology (MPCIT), pp: 185-189

Book Chapter Publication:

1. Muneshwara M S, A Novel Approach on Medical Health Record Management System Using Blockchain. " Lecture Notes in Networks and Systems (LNNS,volume 1077) Proceedings of the International Conference on Intelligent Systems and Networks Conference paper, DOI : https://doi.org/10.1007/978-981-97-5504-2_78 September-2024

Copyright

1. Prof. Chaitanya V, Associate Professor, Dept. of CSE Cluster 1 received a Copyright on "3D Shape Visualizer:Interactive 3D Solid Generator" on 2024

PLACEMENT ACTIVITIES AT BMSIT&M

Placement Training for 5th Sem C Section CSE was conducted on 23rd,24th and 25th of October 2024 by Prof.Channa Bankapur, Associate Professor at the Department of Computer Science and Engineering, PES University, Bengaluru. A trainer in Algorithmic Problem-Solving Skills | Ex-Google/Adobe/Cisco | CS&E from IISc. Bengaluru.

Day -1 (23-10-2024)
Training started at 9am in the morning and Around 58 students have attended form 5th Sem C section CSE and ended at 3:45pm.

Day -2 (24-10-2024)
Training started at 9am in the morning and Around 58 students have attended form 5th Sem C section CSE and ended at 3:45pm.
Day -3 (25-10-2024)
Training started at 9am in the morning and Around 42 students have attended form 5th Sem C section CSE and ended at 4:30pm.

FDP ATTENDED

Prof. Neetha P U, Assistant Professor, Department of Computer Science and Engineering has successfully Attended a 6-Days FDP on titled "Generative AI with large language models: practical insights & future directions" from 23rd September 2024 to 28th September at RNS Institute of Technology and BMS College of Engineering, Bangalore.

TECHNICAL ARTICLES

UNLOCKING THE FUTURE: GENERIC AI

Name :- Manasa S

Don't we wonder about how generic AI is working around us in this smooth way like a bubble floating on the water?

AI uses artificial neural networks, these network process the data like the human brain.
As the name suggests generic it was not just prone to specific topics such as image recognition, language recognition. Generic AI can tackle with wide range complex challenges or tasks.
I will tell you with small example how much intelligent generic AI, if it learns how to play chess, it could apply the same reasoning skills to solve puzzles or to take decisions on other areas.
Generic AI could transform countless sectors like healthcare, education sector, industrial sector and what not.
Some interesting parts of generic AI
1.Self Driving Cars: It was a combination of artificial neural networks and sensors.
2.DELL-E: Text to image generating AI models which convert the normal language into the images.
3.Virtual Assistants (Siri, Alexa): These recognize the voice commands and answer any queries.
4.Atomwise, AlphaFold: AI for drug discovery. Which was the major discovery which can predict the protein structure with high accuracy and precision.
5.Be My Eyes: This tool was developed for the people who lost their vision. Which guides them like a personal assistant.
Come, I will let you know another thing; AI will drink water! Not really but when the servers get heated it requires water annually data centers use approximately 560 billion liters of water.
Google's data centers can use up to 760 million liters of water per year and Microsoft consumes nearly 6.4 million cubic meters of water.

As AI continues to evolve, unlocking the future of generic AI requires a balanced focus on ethics, oversight to ensure these technologies benefit society.

EDITORIAL TEAM

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Dr.MUNESHWARA M S
ASSISTANT PROFESSOR
CSE DEPT.

Cluster coordinators

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Assistant Professor

Prof. Rajesh N V
Assistant Professor

STUDENT EDITOR

Rakshita Bhat
5th sem CSE