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INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Avalahalli, Doddaballapur Main Road, Bengaluru - 560119

Faculty Achievements

2026

Staff Recognition

- Dr. Aparna K, Professor, Department of MCA, has been appointed as a member of Expert Committee for the Department of MCA at the Central University of Andhra Pradesh, Ananthapuram.
- Dr. Sridevi M., HoD & Assistant Professor, Department of MCA, as Principal Investigator, along with Team NeuroAura, has received a seed money grant of ₹2,00,000 for a period of two years for the proposal titled 'A Comprehensive Sleep Manoeuvring System for Cognitive Health Strategies with Special Focus on Alzheimer's Care'.
- Prof. Dwarakanath G. V., Assistant Professor, Department of MCA, as Co-Principal Investigator, along with Team Jeevadhara, has received a seed money grant of ₹1,90,000 for a period of two years for the proposal titled 'LoRa-Enabled Traffic Control for Emergency Vehicle Navigation in Metropolitan Regions'.
- Prof. Nirupama K., Assistant Professor, Department of MCA, as Co-Principal Investigator, along with Team Spunk, has received a seed money grant of ₹2,00,000 for a period of two years for the proposal titled 'Design and Development of a Dual-Signal Self-Powered Invasive/Non-Invasive Flexible Glucose Sensor'



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2025

Staff Recognition

- Dr. Aparna K, Department of MCA, has been promoted as Professor, Department of MCA.
- Dr. Aparna K, Professor, Department of MCA, has attended a 5-day FDP on “Exploring Cyber Security with AI/ML: Challenges, Risks and Innovations” from 21.04.2025 to 25.04.2025, organized by E&ICT Academy and IIT Guwahati in association with Nitte Meenakshi Institute of Technology, Bengaluru.
- Dr. Mutyala Sridevi has been awarded a Reviewer Certificate by Springer Nature in recognition of her valuable contribution to the peer-review process, having reviewed one manuscript in 2025 for the prestigious journal Scientific Reports.
- Prof. Ashwitha K, Assistant Professor, Department of MCA, successfully completed a 12-week NPTEL course on “Qualitative Research Methods and Research Writing” during the January–April 2025 session.
- Dr. P Sudarsanam, Associate Professor, Department of MCA successfully completed a 12-week NPTEL course on “Machine Learning Using Python Programming” during the January–April 2025 session.
- Dr. Aparna K, Associate Professor, Department of MCA, was invited as a Session Chair on 07.03.2025, for ERCICAM-2025 - 2nd International Conference on Emerging Research in Computing, Information, Communication, Artificial Intelligence and Machine Learning, organized by NMIT, Bengaluru.
- Dr. Aparna K, Associate Professor, Department of MCA, was deputed as an Auditor for Academic Audit of Department of ECE, BMSIT&M, on 18.03.2025.
- Dr. Aparna K, Associate Professor, Department of MCA, was invited as a Session Chair on 21.03.2025, for International Conference on Computing for Sustainability and Intelligent Future (CompSiF-2025) organized by BMSIT&M, Bengaluru.
- Dr. Aparna K, Associate Professor, Department of MCA, was invited as a Member for the BoE Meeting held on 24.03.2025 at the Department of MCA, M S Ramaiah Institute of Technology, Bengaluru.
- Dr. M. Sridevi, Assistant Professor in the Department of MCA, successfully completed her MS in Data Science from Liverpool John Moores University, UK, on 04.07.2025.



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- Dr. Aparna K, Professor, Department of MCA, has successfully completed a project as part of the Faculty Development Programme on "Exploring Cyber Security with AI/ML: Challenges, Risks and Innovations" organized by IIT Guwahati in the month of April 2025, and is awarded a Grade 'A' certificate with an impressive score of 92%.
- Prof. Ashwitha K has received a Reviewer Certificate from the 3rd IEEE International Conference on Networks, Multimedia, and Information Technology (NMITCON) which will be held at Nitte Meenakshi Institute of Technology, Bengaluru, in collaboration with the IEEE Bangalore Section.
- Dr. P Sudarsanam, Associate Professor, Department of MCA has attended the BOE meeting for BE(CSE-DS) on 11.06.2025 at Nagarjuna College of Engineering & Technology, Bengaluru-562164.
- Dr. Aparna K, Professor, Department of MCA, has been appointed as a Member of the Board of Studies at Atria Institute of Technology from 04.08.2025 to 03.08.2027.
- Dr. Shivakumara T, Assistant Professor, Department of MCA, attended a 5-day Faculty Development Program on "Cyber Security and Penetration Testing Tools," held from 18.08.2025 to 22.08.2025, organized by the Department of CSE, BNMIT, in association with Ganaka Praudyogikee Tech Solutions, Bangalore.
- Dr. Drakshaveni G, Associate Professor, Department of MCA, successfully participated in and completed the AICTE Training and Learning (ATAL) Academy Faculty Development Program on "Exploring Generative AI: Models, Applications, and Innovations," held at Atria Institute of Technology from 18.08.2025 to 23.08.2025.
- Dr. Aparna K, Professor, Department of MCA, has been appointed as a Member of the Board of Studies (BoS) for MCA at VTU, Belagavi, for the term 2025–2028.
- The Faculty Hackathon "Reboot-2025" was conducted on 22.11.2025 at BMS Institute of Technology, Bangalore, with 54 teams formed across various departments, and two teams led by the team leaders from the Department of MCA Dr. Sridevi M., Assistant Professor & HoD, and Prof. Dwarakanath G. V., Assistant Professor, secured the I and II prizes for their projects "NeuroAura" and "Jeevadhara", respectively.



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Winners with their team

- Dr. Shivakumara T, Assistant Professor, Department of MCA has been awarded as the “Best Paper Presenter” for the paper entitled “From Manual to Machine: Boosting Web Security with an Automated VAPT Accuracy Leap” for 5th International conference on 6G Communications Networking and Signal Processing(SGCNSP) organized by Nanyang Technological University, Singapore on 19.12.2025 and 20.12.2025.

International Journal/ Conference/Book Chapter/Book Publications

- Dr. Shivakumara T, et.Al, “A Bayesian-Optimized Deep Learning Framework for State of Charge and Remaining Useful Life Estimation of Lithium-Ion Batteries in Electric Vehicles”. 2025. International Journal of Environmental Sciences, August, 3234-57. <https://doi.org/10.64252/bgpqp561>.



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- S, Sushitha & K, Aparna. (2025). Exploring the Impact of Rainfall Variable on Arecanut Yield Production in Karnataka. 1-5. 10.1109/COMP-SIF65618.2025.10969877.
- “Straight through Estimator Based Convolution Neural Network with Parameterized Clipping Activation Function for Plant Disease Detection and Classification”, Aparna Kalyanasundaram, Mydhili Krishnan Nair, International Journal of Intelligent Engineering and Systems, Vol.18, No.3, March 2025, pp. 1-13, <https://doi.org/10.22266/ijies2025.0430.01>.
- K, Ashwitha, Spurthy S N, and Kiran M C. ‘Rainfall Patterns in Dakshina Kannada from Predicative Analysis Using Machine Learning Methods’. In 2024 International Conference on Distributed Systems, Computer Networks and Cybersecurity (ICDSCNC), 1–7, 2024. <https://doi.org/10.1109/ICDSCNC62492.2024.10940034>.
- Sushitha, S., Aparna, K. “The Impact of External Environmental Parameters on Arecanut Growth and Yield Production”: A Quantitative Review. In: Fong, S., Dey, N., Joshi, A. (eds) ICT Analysis and Applications. ICT4SD 2024. Lecture Notes in Networks and Systems, vol 1196. Springer, Singapore. https://doi.org/10.1007/978-981-97-9526-0_16 pp: 155-165, Print ISBN 978-981-97-9525-3, Online ISBN 978-981-97-9526-0, June 2025, Q4/Scopus indexed.
- Shivakumara, T., Rajshekhar M. Patil, Shantakumar B. Patil, M. S. Muneshwara, R. Ananda, and M. Rakshith. “Revolutionizing Crop Protection: An Innovative Smart System to Deter Birds.” In Smart Agriculture for Sustainable Practices, 1st ed., 14 pages. Chapman and Hall/CRC, 2025.
- Haleritti, Bhavana Ramesh, Muneshwara M. S, Shivakumara T, and Jaymin Kania. ‘Eye Monitoring Based Motion Controlled Wheelchair for Quadriplegics with Voice Instruction’. In 2025 9th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), 1–6, 2025. <https://doi.org/10.1109/CSITSS67709.2025.11295546>.
- S, Bhavana, and Aparna K. ‘Fingerprint Based Blood Group Prediction Using Deep Learning’. In 2025 9th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), 1–6, 2025. <https://doi.org/10.1109/CSITSS67709.2025.11293989>.



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Patent Published/Granted

- Dr. Shivakumara T, Assistant Professor, Department of MCA, “AI-Powered and Plastic-Free Food Delivery: Smart, Sustainable, and Efficient Home Food Delivery Using Digitally Locked Steel Box and Reuse Platform (Digi Dabba),” Indian Patent Application No. 202541061812, filed on 28.06.2025 and published on 11.07.2025, in the field of Computer Science
- Dr. Shivakumara T, Assistant Professor, Department of MCA, has successfully secured the acceptance and publication of his patent titled “AI-Powered House Assistance Rover” with the Intellectual Property of India on 20.12.2025.



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2024

Recognition

- Prof. Shivakumara T, Assistant Professor, Department of MCA received his doctoral degree at the 23rd VTU convocation held on 07.03.2024 at VTU, Belagavi for his thesis titled “Dynamically Configurable Document Model to Prevent Data Leakage” to VTU under the guidance of Dr. Rajashekhar M Patil.
- Dr. P. Ganesh, Professor, MCA is inducted as Member, Board of Studies(BoS), Department of MCA, Bapuji Institute of Engineering & Technology, Davanagere, an autonomous institution affiliated to VTU, for the academic years 2024-25 to 2026-27.
- Dr. M. Sridevi, Assistant Professor & Head, Department of MCA, has been conferred with Executive PG Programme in Data Science by IIIT-Bangalore and successfully completed the one-week Immersion Program at the School of Computer Science and Mathematics, John Moores University, Liverpool, UK, under which she will be guided in further research.



Dr. M. Sridevi receiving the certificate from Dr. Hoshang Kolivand

- Dr. Aparna K, Associate Professor, Department of MCA attended the BoS meeting on 02.03.2024 at Department of Master of Computer Applications, M.S. Ramaiah Institute of Technology, Bengaluru.



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- Dr. Aparna K, Associate Professor, Department of MCA, was invited as the External BoE member for the BoE Meeting held at Department of MCA, Nitte Meenakshi Institute of Technology, Bengaluru, on 07.05.2024.
- Dr. Aparna K, Associate Professor, Department of MCA, was invited as the External BoE member for the BoE Meeting held at Department of MCA, BMS College of Engineering, Bengaluru, on 20.05.2024.
- Dr. Aparna K, Associate Professor, Department of MCA, was invited as a Session Chair for the “IEEE International Conference on Communications and Computer Science-2024 (InCCCS-2024)” jointly organized by Department of Computer Applications, Department of Electronics and Telecommunication, BMS College of Engineering and IEEE Bangalore Section during 22.05.2024 and 23.05.2024.
- Kallur V Vijayakumar, Chethan A.S. Muneshwara M S, Swetha M S, Anand R, Dr. Shivakumara T, and Pramath V Bhat have received the “Best Paper Award” for their research titled “HealthLink: A Cutting-Edge System for Secure Healthcare Data with IoT, Blockchain, and IPFS.” This work was presented at the 3rd IEEE International Conference on Blockchain and Distributed Systems Security, held from 17.10.2024 to 19.10.2024 at VIIT, Pune and IEEE Blockchain Technical Community.
- Dr. P. Ganesh, Professor, Department of MCA, has been honoured with a new role as Visvesvaraya Technological University, Belagavi’s representative on the Board of studies for the Master of Computer Applications (MCA) program at Bangalore Institute of Technology, Bengaluru (Autonomous).
- Dr. Shivakumara T, Assistant Professor, Department of MCA was honoured at the Teacher’s Felicitation Program during the Sparsh Guru Vandana ceremony on 27.10.2024 at Sparsh Hospital, Bengaluru, for his commitment to nurturing young minds.
- Dr. Shivakumara T, Assistant Professor, Department of MCA and student Ms. Nekkanti Bindu of the 2022–24 batch presented their research work titled "Brain Tumour Detection Using Deep Neural Network" at the National Conference hosted by the Departments of AI & ML, ISE, CSE-IoT & CSBT, and Mechanical Engineering at S.E.A. College of Engineering and Technology on 20.12.2024.
- Prof. Venkatesh A successfully completed his Ph.D. coursework examinations at Sri Siddhartha Academy of Higher Education, under the mentorship of Dr. Raviram.



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- Dr. M. Sridevi, Assistant Professor & Head, Department of MCA, has been conferred with Executive PG in Data Science during the graduation ceremony at IIIT-Bengaluru on 14.09.2024.

Invited Talks delivered by faculty of MCA

- Dr. Aparna K, Associate Professor, Department of MCA has extended her support as resource person for 1-day workshop on “Demystifying Project Development – A Roadmap from Problem Statement to Literature Mastery” on 31.01.2024 at Sir M Visvesvaraya Institute of Technology, Bengaluru.



Dr. Aparna as Resource Person

- Dr. Ganesh P, Professor, Department of MCA, delivered a talk on “Introduction and Demonstration of Anuvadini Tool” in Jnanavardhana event held on 31.01.2024 at BMSIT&M.
- Prof. Venkatesh A and Prof. Dwarakanath G V, Assistant Professors, Department of MCA, participated as resource persons in the workshop on "Cloud Computing & IoT" conducted at Government First Grade College, Tiptur, on 26.11.2024.



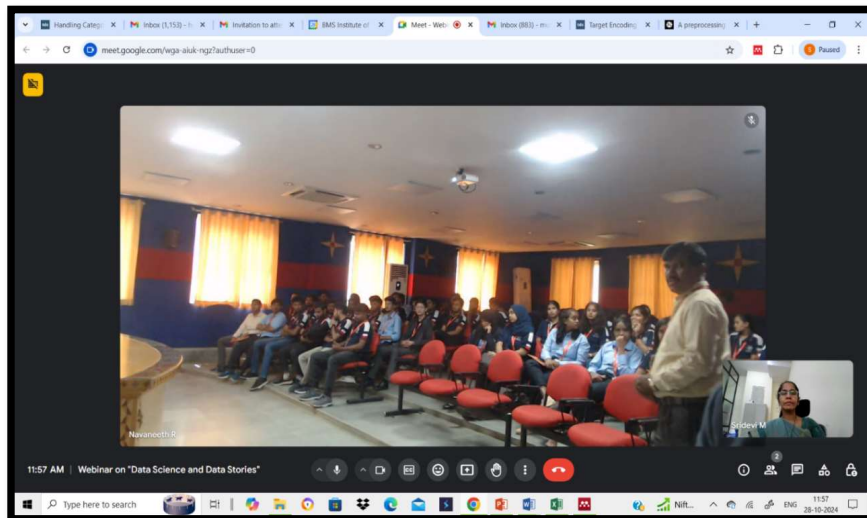
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Prof. Venkatesh A and Prof. Dwarakanath G V were honoured by Government First Grade College, Tiptur



Dr. M. Sridevi is delivering a presentation on “Data Science and Data Stories” to the students

Out Reach Activities

- Dr. Aparna K, Associate Professor, Department of MCA was invited to attend COMSNET-2024 (16th International Conference on COMMunication Systems & NETWORKS) (Session on Women in Engineering (WiE)) along with students, on 05.01.2024, held at Chancery Pavilion Hotel, Residency Road, Bengaluru.



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Dr. Aparna K with students at COMSNET 2024

International Journal/ Conference/Book Chapter/Book Publications

- Dr. Ganesh, P. Sudarsanam, T. HimaBindu, J. Suresh Babu, B.V. Sai Thrinath, and S. Reddy Sai presented their paper titled “Application of Deep Learning Mathematical Approaches for Image Correctness” at the Second International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI 2024). This conference was held on 28.08.2024 & 29.08.2024 at JCT College of Engineering and Technology in Coimbatore, Tamil Nadu, India, in collaboration with IEEE. The paper is available on DVD, Part Number CFP24VG0-DVD with ISBN 979-8-3315-4065-4.
- Ashwitha, K. ‘Advancements in Machine Learning-Based Condition Monitoring for Crack Detection in Windmill Blades: A Comprehensive Review’, Archives of Computational Methods in Engineering, 17 December 2024. <https://doi.org/10.1007/s11831-024-10205-4>, Scopus, Q1 Journal, impact factor 9.7.
- Aparna Kalyanasundaram, Ganesh Panathula ‘An optimization based Deep Learning Approach for Human Activity Recognition in Healthcare Monitoring’, Bulletin of Electrical Engineering and Informatics (BEEI), ISSN:2089-3191, e-ISSN: 2302-9285, Vol. 13, No. 6 December 2024, pp. 4236-4247, DOI: <https://doi.org/10.11591/eei.v13i6.8000>, Scopus, Q3 Journal.



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- Prof. Dwarakanath GV published a book chapter titled “A Reconfigurable Antenna for C-Band Applications” in the book titled- Digital Convergence in Antenna Design, published by Scievenor during March 2024.
- Prof. Venkatesh A published a book chapter titled “Performance Testing for Web Applications Towards Industry Needs” in the book- Trends in Software Testing: Industry Approach, published by Scievenor during March 2024.