

B.N.M. Institute of Technology

An Autonomous Institution under VTU

Research Papers Publication list for incentives - January 2026 to June 2026

Sl. No	Department	Name of Faculty Author	Name of the Journal	Title	Month & Year of Publication	Indexed in	Quartile
1	EEE	Kruthi Jayaram	Scientific Reports	A model reference based adaptive controller for power flow management in microgrid systems	July 2025	Scopus	Q1
2	ECE	Rekha P	Journal of VLSI circuits and Sysytems	Full-Swing Gate Diffusion input Based 32-Bit Arithmetic and logic Unit: Design, Implementation, and Comparative Analysis	Feb 2026	Scopus	Q1
3	ISE	Dr. Srividhya Shrivaya AR	Transactions on Emerging Telecommunications Technologies	An Automated Object Detection and Tracking System in Surveillance Aerial Images Using 3D Adaptive Multi-Dilated Yolov8 With Attention Mechanism	March 2026	Scopus	Q1
4	ECE	Manjunath. G Asuti	Scientific Reports	Smart and efficient waste management through wireless IoT-enabled deep learning	April 2026	Scopus	Q1
5	MBA	Dr Charithra C M	Investment Management and Financial Innovations	Deep learning-based stock market forecasting: A comparative analysis of ANN, CNN, and LSTM	May 2026	Scopus	Q1
6	CSE	Dr. Chetan R	Modelling Earth Systems and Environment	Explainable multimodal deep learning system for sustainable urban air quality forecasting and risk-aware recommendations	March 2026	Scopus /WoS (ESCI)	Q1
7	Maths	Dr. L. Venkata Reddy	Heat Transfer	ANN-Assisted Linear-Stability analysis of Buoyancy-Induced Convection in Single-Relaxation Viscoelastic Fluids Within a Tilted Slot	January 2026	Scopus	Q1
8	ME	D. Shivalingappa	Journal of Alloys and Metallurgical Systems	Processing and Characterization of in-situ intermetallic and ceramic particles reinforced magnesium matrix Composites	March 2026	Scopus	Q1
9	MBA	Mukund Sharma	Economies	Do Fiscal Contractions Shocks Trigger Investment collapses:Evidence from a Global Panel	March 2026	Scopus	Q1
10	Mech	B R Vishwanath,	Materials Today Communications	Tribological Performance and fatigue Behaviour of beryl-reinforced extruded aluminium metal matrix composites: A dual characterisation study	June 2026	Scopus	Q1
11	AIML	Dr. Mahanthesha U	Mechanics of Advanced Materials and Structures	Fracture mechanics-based fatigue life prediction and structural health monitoring of piezoelectric thin films in aerospace structures under cyclic loading	February 2026	Scopus	Q1
12	ECE	Bindu S	Inorganic Chemistry	Green Synthesis of a Ceratophyllum demersum-assisted SrS/Er ₂ Se ₃ Z-Scheme Heterostructure for efficient	June 2026	Scopus	Q1

			Communications	electrochemical detection and photocatalytic degradation of acetaminophen			
13	ECE	Bindu S	Inorganic Chemistry Communications	Green facile synthesis, antibacterial, antioxidant and cytotoxic evaluation of Sm-doped Y2O3nanoparticles: A Combined experimental and molecular docking study.	June 2026	Scopus	Q1
14	ECE	Dr. D. Bhuvana Suganthi	Transactions on Emerging Telecommunications Technologies	Blockchain-Powered IoT Healthcare Framework With Dandelion Depth wise Separable Convolutional Neural Network for Enhanced Security	March 2026	Scopus	Q1
15	CSE	Dr. Anitha N	International Journal of Intelligent Engineering and Systems	Predictive and Self-Healing Fault Management in Fog Networks with Reliability Biased Deep Reinforcement Learning	June 2026	Scopus	Q2
16	ECE	Dr. Sunitha S V	Journal Européen des Systèmes Automatisés	Multimodal Sensor Fusion for Waste Management Using Graph Neural Networks	Jan 2026	Scopus	Q2
17	AIML	Dr. Sheba Selvam	Journal of Advances in Information Technology	Graph Neural Network-Based Personalized Recommendation with Edge Enrichment Using Ratings and Review Sentiments	January 2026	Scopus	Q2
18	AIML	Dr. Sunitha R	International Journal of Intelligent Engineering and Systems	Optimized Cross-Modal Data Fusion Framework for Robust Emotion Recognition Multimodal using Hybrid Deep Learning Techniques	February 2026	Scopus	Q2
19	CSE	Mona	Peer-to-Peer Networking and Applications	Framework for efficient data-concealing mechanism and privacy-preserving information restoration using efficient wavelet lifting for secure transmission between node to node	March 2026	Scopus	Q2
20	CSE	Mona	International Journal of Safety & Security Engineering	Integrated Framework Design of Hybrid Security Approach to Safeguard High Dimensional Data Transmission	April 2026	Scopus	Q2
21	ECE	Smitha Gayathri,	Cybernetics and Information Technology	PAPR Reduction in MIMO-OFDM Using Refracted Opposition-Based Archefish Hunting Optimization Algorithm	June 2026	Scopus	Q2
22	ECE	Priyadarshini K. Desai	Journal of Communications	Design and Analysis of Wideband, High Gain, Self-Isolated Multiple Antenna for mm-Wave Application	June-2026	Scopus	Q2
23	ECE	Keerthi Kulkarni	Franklin Open	Quantum computing in image processing: A review of applications, models, and prospects	September 2026	Scopus	Q2
24	CSE	Priyanka Padki	International Journal of Intelligent Engineering and Systems	A Bio-inspired Autoencoder-based Model for Single Nucleotide Polymorphisms	April 2026	Scopus	Q2

25	ECE	Dr. Sujaya B L	Journal Européen des Systèmes Automatisés	Hybrid DBO-GWO Multi-Objective Clustering with Light Weight Attention Based Routing Framework for Energy Optimized IoT Networks	April 2026	Scopus	Q2
26	ECE	Dr. Vrunda Kusanur	Journal Européen des Systèmes Automatisés	Blockchain-Driven Peer-to-Peer Smart Energy Trading for Decentralized Power Networks	February 2026	Scopus	Q2
27	ECE	Lakshmi Bhaskar	Journal of The Institution of Engineers (India): Series B	CC-LEACH Performance Evaluation: Metrics and Analysis	June 2026	Scopus	Q2
28	ECE	Rashmi S Bhasar	International Journal of intelligent Engineering & Systems	Multi-Objective Bio Inspired Deep Reinforcement Learning based Routing framework for Energy-efficient IoT Environment.	Feb 2026	Scopus	Q2
29	Chem	Dr. Swetha Madamala	Chemistry Select	Triazolo[1,5-a]Pyrimidine Derivatives as Selective EGFR Inhibitors: Synthesis, Cytotoxicity, Molecular Docking, and DFT Studies	June-2026	Scopus	Q3
30	ISE	Dr. Srividhya Shravya AR	Ingénierie des Systèmes d'Information	H-EMFR: A Hybrid CNN-Transformer Framework for Lightweight Multi-Scale Small-Object Classification	Jan 2026	Scopus	Q3
31	AIML	Dr. Halaharvi Keerthi	Shodhkosh: Journal of Visual and Performing Arts	Human-AI Co-Creation Models in Conceptual Art	February 2026	Scopus	Q4
32	Chem	Dr. Swetha Madamala	Asian Journal of Chemistry	Anticancer Potential of Isolated Gymnemic Acid-III from <i>Gymnema sylvestre</i> : Insights from In vitro and in silico Analysis	May-2026	Scopus	Q4
33	CSE	Dr. Chetan R	International Journal on Information Technologies & Security	Trinet-Har: A Trimodal Framework For Human Activity Recognition	March 2026	WoS (ESCI)	Q4



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Book Chapter Publication list for incentives - January 2026 to June 2026

Sl. No	Department	Name of Faculty Author	Title of book to which Chapter belongs	Title of chapter	Month & Year of Publication	Publisher	Indexed In
1	ECE	Dr. Sunitha S V	NextGen Strategies and Tools: Pioneering Innovations in Agriculture	Raspberry Pi Agrobot	2026	Taylor and Francis group, CRC Press	Scopus
2	ECE	Dr. Bindu S	Smart Chips for Smart Devices VLSI Design for Next Generation IoT Solutions.	Integration of Nanotechnology and Machine Learning in Healthcare: Fundamentals, Applications and Future Scope	2026	Scrivener Publishing	Scopus
3	ECE	Dr. Smitha Gayathri D	Bridging the Gap between Humans and Machines	Emotional Intelligence in AI: Bridging the Gap between Humans and Machines	June 2026	Taylor & Francis	Scopus
4	MBA	Prathyusha Pasupuleti,	NextGen Strategies and Tools	An Integrated Approach for Sustainable Agriculture Development Using NextGen Artificial Intelligence Solutions	July 2026	Wiley	Scopus
5	MBA	M, Sandhya Yeriuru	Benchmarking and Global rankings as Policy Drivers	Policies and Initiative in the internationalization of higher educational Institutions	2026	IGI Global, Scientific Publishing	Scopus

