Vivekanand Education Society's
Institute of Technology

(Autonomous Institute Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Institute Name	Vivekanand Education Society's Institute Of Technology
Institute ID	IR-E-C-33895
Discipline	Engineering
Parameter	Journal Details AY 2024-25

Sr. No.	Title of Paper	Authors	Journal Name	ISSN /ISBN/ACCN Number	Publication Year	National / International
1	Sakhi -Predictive Modeling for Early Detection of Women's Health Conditions using Machine Learning	Dr.NupurGiri Attreyee Mukherjee Amogh Inamdar Saumya Tripathi Yashodhan Sharma	FrontiersinHealthInformatics	2676-7104	July 2024	International
2	Behaviour Analysis of Two Wheeler Driver ADAS for reduction of Road Fatality	Nupur Giri Yashvi Dhar Yogesh Pandit Vishakha Kulkarni Digvijay Kocharekar Japneet Rajput Anurag Ghatge	Panamerican Mathematical Journal	1064-9735	Aug 2024	International
3	Exploring the Efficacy of Graph Neural Networks in Predicting Traffic Flow in India	Paras Patil Vishesh Mittal Dhruvisha Mondhe Akshita Upadhyay Nupur Giri	Journal of Information Systems Engineering and Management	2468-4376	Jan. 2025	International
4	Gesturely: A Conversation AI based Indian Sign Language Model	Nupur Giri Piyush Chugeja Sakshi Kirmathe Deven Bhagtani	Journal of Information Systems Engineering and Management	2468-4376	Jan. 2025	International
5	Artificial neural network-based clustering in Wireless sensor Networks to balance energy consumption	Padmalaya Nayak Veena Trivedi Surbhi Gupta Phaneendra Babu Booba Soloveva O.V Oleg Igorevich Rozhdestvenskiy Ankita Joshi	Cogent Engineering	2331-1916	Jul. 2024	International
6	Exploring Summarization Performance: A Comparison of Pointer Generator, Pegasus, and GPT-3 Models	Gresha Bhatia, Abha Tewari, Dr. Nupur Giri	Nanotechnology Perceptions	1660-6795	Jul 2024	International
7	Agreement window algorithm for user controlled and utility supported personal data privacy	Geocey Shejy Pallavi Vijay Chavan	International Journal of Computational Science and Engineering	1742-7185	May 2025	International
8	Optimized seizure detection leveraging band-specific insights from limited EEG channels.	Indu Dokare Sudha Gupta	Health Information Science and Systems	2047-2501	March 2025	International
9	Brain-region specific epileptic seizure detection through EEG dynamics: Integrating spectral features, SMOTE and long short-term memory networks.	Indu Dokare Sudha Gupta	Cognitive Neurodynamics	1871-4099	May 2025	International
10	SHAP-driven explainable AI with simulated annealing for optimized seizure detection using multichannel EEG signal.	Indu Dokare Sudha Gupta	Cognitive Neurodynamics	1871-4099	Jun. 2025	International
11	Blockchain based intelligent disbursement in National Scholarship Portal	Lifna Challissery Samu Neelkanth Khithani Kushl Alve Vedang Gambhire Atharva Hande Shivam Choubey	IET Blockchain	2634-1573	Nov. 2024	International
12	Optimized Vehicle Recovery: Leveraging AI and CCTV for Effective Tracking	Dr. Priya R L Dr. Sharmila Sengupta Gautam Wadhwani Tanay Phatak Tanmay Thakare, Teesha Karotra	Communications on Applied Nonlinear Analysis	1074-133X	Dec. 2024	International
13	Leveraging Remote Sensing and AI for Smart Crop Monitoring and Management	Dr. Priya.R L Dr. Sharmila Sengupta Dr. Abirami A Richard Joseph	Communications on Applied Nonlinear Analysis	1074-133X	Dec. 2024	International

No	Title	Authors	Journal	ISSN	Date	Level
14	Analysis of Artificial intelligence Based Electronics Industry Digital era and its Applications	Dr. Sharmila Sengupta Asha G R Bhukya Shankar Peddinti Neeraja M.Tamilselvam Revathi V G.Ramachandran	Advances in Nonlinear Variational Inequalities	1092-910X	Dec. 2024	International
15	AI-powered classification of oral pe-cancer: a histopathological image approach	Dr. Sharmila Sengupta Dr. Priya R. L Anuj Bagad Aayush Talreja Mansi Bellani Dr Harsha Karwa Dr Shrijha G	International Journal of Basic and Applied Sciences	2227-5053	May 2025	International
16	Artificial intelligence of blockchain in agriculture products quality and safety customers leadership	Dr. S. Aruna Deepthi Vaishali Hirlekar Anuradha Kanade Dr. Vishwanath Karad Asha G. R Dr. Sharmila Sengupta Dr. Priya R. L Peddinti Neeraja Dr. M.Saravanan S. Sriram	International Journal of Basic and Applied Sciences	2227-5053	May 2025	International
17	LegalEase: AI-powered summarisat	Vidya Pujari	Journal of Trends and Challenges in Artificial Intelligence	3042-0008	June 2025	International
18	Smart Grid Data Compression and Reconstruction by Discrete Wavelet Transform	Dr. Rakhi Jadhav	International Journal of Electrical and Electronic Engineering and Telecommunications	2319-2518	July 2025	International
20	Transforming Education with Gen-AI:AceUP-An Adaptive Learning Applications	Anushree Prabhu	Journal of Emerging Technologies and Innovative Research (JETIR)	2349-5162	April 2025	International
21	Enhancing COVID-19 Impact Prediction through the Application of LSTM Networks in Deep Learning	Dr. Ravita Mishra	Frontiers in Health Informatics	2676-7104	Oct 024	International
22	SignSpeak: Indian Sign Language Recognition with ML Precision	Dr. Ravita Mishra	Indian Journal of Science and Technology	0974-6846	Jan 2025	International
23	A Review: Data Overfitting and Underfitting Techniques	Dr. Ravita Mishra	Journal of Information Systems Engineering and Management	2468-4376	2025	International
24	Vision-Aid: AI Powered Assistive System for the Visually Impaired with Advanced Speech and Object Recognition	Vidya Pujari	International Journal for Research Trends and Innovation	2456-3315	Jan 2025	International
25	Smart grid data compression and reconstruction by wavelet packet transform	Dr. Rakhi Jadhav	MethodsX	102872	Dec 2024	International
26	Nephrosense AI: Risk Detection and Analysis for Chronic Kidney Disease	Dr.Asma Parveen	Cureus Journal Of Computer Science	44389-025-04689-9	June 2025	International
27	Sinusoidal PWM Generation for 3 Phase Inverter and RPM Measurement using Hercules TMS570LC43xx Launchpad	Dr. Shobhit K. Khandare	International Journal of Innovative Science and Research Technology	2456-2165	2024	Interational
28	Plagiarism Detection in Handwritten Assignments using OCR and Cosine Similarity Analysis	Nandini Ammanagi	INDICA JOURNAL VOLUME 5 ISSUE 9 2024	(ISSN:0019-686X)	2024	Interational
29	Slotted Capacitively Coupled Elevated Microstrip Antenna	Nandini Ammanagi	Journal of Electrical Systems Vol-20 Issue 10 (2024)6759-6766	ISSN:1112-5209	2024	Interational
30	Fractional-order artificial neural network models for linear systems	Manisha Joshi	International Journal of Dynamics and Control	2195-2698.	2024	Interational
31	Smart Shelf System For Automated Stores	Mr. Chintan Jethva	International Journal Of Latest Technology in Enginmeering , management & Applied Science	ISSN- 2278-2540 http://doi.org/10. 51583/IJLTEMAS. 2025.1406000107	2024	Interational
32	Conception and Fabrication of a New Steerable Microstrip Antenna for ISM Band Applications	Dr. Shobhit Khandare	Progress In Electromagnetics Research Letters (PIER L) Journal	1937-6480	2024	Interational
33	Multimodal perception for enhancing human computer interaction through real-world affect recognition	Dr. Ashwini Sawant	Indonesian Journal of Electrical Engineering and Computer Scienc	p-ISSN: 2502-4752, e-ISSN: 2502-4760	2024	Interational
34	A Super-twisting Control Design for Shell and Tube Heat Exchanger	Deepti Khimani, Machhindranath Patil, Prasad Godse, Rakesh Barai.	Journal of Electrical Systems	1112-5209	2024 December	National
35	Practical Implementation of Sliding Mode and Super-twisting Control for Flow Control System	Deepti Khimani, Rakesh Barai, Machhindranath Patil.	Journal of Electrical Systems	1112-5209	December, 2024	National
36	Behaviour Analysis of Two Wheeler Driver ADAS for reduction of Road Fatality	Mr.Yogesh Pandit	Panamerican Mathematical Journal	ISSN: 1064 9735 Vol 34 No. 3 (2024)	August 2024	International
37	Unlocking Long-Term Temporal Patterns: TCAE for Anomaly Detection in Multivariate Time Series Data	Sangeeta Oswal	International Journal of Engineering Trends and Technology ISSN: 2231–5381	ISSN: 2231–5381	September 2024	International

38	Sign Language Interpreter for American Sign Language	Anjali Yeole	Nanotechnology Perceptions, Vol. 20 No. 7 (2024)	ISSN 1660-6795	December 2024	International
39	Predictive maintenance: Predicting server failures through Machine Learning	Anjali Yeole	Journal of Electrical systems , 20-5s (2024): 2828-2833	2828-2833	December 2024	International
40	Image Inpainting for Missing Facial Data Recovery in Security Settings	Anjali Yeole	J. Electrical Systems 20-3 (2024): 3165-3171	3165-3171	December 2024	International
41	Smark Park AI	Ajinkya Valanjoo	International Research Journal of Engineering and Technology (IRJET)	p-ISSN: 2395-0072	Volume: 10 Issue: 03 | May 2025	International

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Sr. No.	Title of paper	Name of Author	Name of Conference	Conference date	Ntnl/Intnl
1	ParkinSense: A Fuzzy Inference System designed to aid in diagnosing Parkinson's Disease	Veena Trivedi Aaryan Mahadik Raj Tandon Bhavika Valecha Kunal Khubchandani	15th ICCCNT 2024 IEEE	June 24 - 28, 2024, IIT - Mandi, Himachal Pradesh, India.	International
2	Intrusion Detection System For Restricted Areas Entry Using Haar Cascade and LBP Classifier	Veena Trivedi Balina Vaishnavi Padmalaya Nayak K Swaraja A Sai Hanuman	4th International Conference on Computing and Communication Networks(ICCCNet-2024)	17-18 October 2024	International
3	IoT-Assisted Indoor Air Quality Sensing and Predictive Analysis Using Machine Learning Techniques	Veena Trivedi Padmalaya Nayak SK Vaheed A Sai Hanuman Gopal krishna	4th ASIANCON 2024,Pune India, Technically co sponsored by IEEE Bombay REgion	23rd Aug – 25th Aug. 2024	International
4	Aatmanirbhar Sanchar - Blockchain based approach for multimedia communication	Shruti Dalvi Hitakrit Goplani Swara Nabar Krish Mehta Richard Joseph Yugchhaya Galphat Shashi Dugad	3rd IEEE International Conference on Blockchain and Distributed Systems Security 2024	October 17th – 19th , 2024	International
5	Predicting Early Risk of Diabetes Using Hierarchical Fuzzy Logic	K Ananya Padmalaya Nayak Veena Trivedi K Swaraja A Sai Hanuman Ahmad Alkhayyat	4th International conference on sustainable expert system (ICSES 2024)	October 15th-17th , 2024	International
6	AirAware - Empowering Health Choices and Navigating India's Air Quality Landscape	Aadil Shah; Jennifer Thozhuvathinkal; Anusha Gonal; Mayuresh Gujare; Vedant Navani; Pallavi Gangurde	2024 IEEE Silchar Subsection Conference (SILCON)	November 15t -17th, 2024	International
7	Financial and Corporate Risk Analysis Using Large Language Models (LLMs)	Sujata Khedkar Srushti Satish Sambare Tasmiya Sarfaraz Khan Purtee Santosh Mahajan Ketaki Dhananjay Nalawade	3rd edition of International Conference on Science Technology Engineering & Mathematics for Sustainable Development (ICSTEMSD-2025) -Part of Indian Journal of Technical Education (IJTE)	21st February, 2025	International
8	Metadata Extraction from Legal Contracts using Large Language Models	Sujata Khedkar Srushti Satish Sambare Tasmiya Sarfaraz Khan Purtee Santosh Mahajan Ketaki Dhananjay Nalawade	3rd edition of International Conference on Science Technology Engineering & Mathematics for Sustainable Development (ICSTEMSD-2025) Part of Indian Journal of Technical Education (IJTE)	21st February, 2025	International
9	AI Driven Investment Insights Using ESG Prediction Models	Sujata Khedkar Srushti Satish Sambare Tasmiya Sarfaraz Khan Purtee Santosh Mahajan Ketaki Dhananjay Nalawade	3rd edition of International Conference on Science Technology Engineering & Mathematics for Sustainable Development (ICSTEMSD-2025) Part of Indian Journal of Technical Education (IJTE)	21st February, 2025	International
10	LearnSmart:Tool to Extract Key Concepts and Arguments from YouTube Lectures	Sujata Khedkar Ayush R. Gerra Lintomon S. Chirakkara Sania Khan Prathamesh Joshi Harsh Dhebe	1st International Conference on Emerging Trends in Computer Science and Engineering (ICETCSE-2025), IEEE Bombay Section, Part of Cureus Springer Natural Journal	6-7th March 2025	International

11	Annual Public Report Analysis ChatBot Using LLM	Sujata Khedkar Srushti Satish Sambare Tasmiya Sarfaraz Khan Purtee Santosh Mahajan Ketaki Dhananjay Nalawade	3rd edition of International Conference on Science Technology Engineering & Mathematics for Sustainable Development (ICSTEMSD-2025) Part of Indian Journal of Technical Education (IJTE)	21st February, 2025	International
12	Toothbuddy: Remote Dental Diagnostic And Consultation System	Mannat Doultani Mohit Patil Pranav Rane Mahindra Girase Amisha Chandwani	7th International Conference on ADVANCES IN SCIENCE & TECHNOLOGY(ICAST)	20th & 21st June, 2025	International
13	Impact of Social Media on Mental Health using Machine Learning	Mannat Doultani Aryan Manghi Prasad Chaudhari Devyaansh Razdan	7th International Conference on ADVANCES IN SCIENCE & TECHNOLOGY(ICAST)	20th & 21st June, 2025	International
14	Pluto - Advanced Band for Autism Support	Mannat Doultani Mugdha R. Joglekar Sanika Ingale Ishwari Dehadray Nitika Vedika Walhe	7th International Conference on ADVANCES IN SCIENCE & TECHNOLOGY	20th & 21st June, 2025(ICAST)	International
15	Multiband feature fusion for patient-non-specific seizure detection using multichannel EEG signals.	Indu Dokare Sudha Gupta	6th International Conference on Communication and Intelligent Systems (ICCIS 2024)	8-9th Nov. 2024	International
16	Performance Evaluation of open source LLMs for legal document summarization and chatbot integration for legal queries	Charusheela Nehete, Abhinaya Danda, Mrudula Gotmare, Gomatii I.	3rd INCOFT 2025 (SCITEPRESS)	21-22 February, 2025	International
17	ManahSeva-Mental Health Platform	Vidya Pujari,Kedar Jagannath Gawhankar, Nandana Anilkumar Nair,Prajwal Vijay Patil	IEEE 2024 4th Asian Conference on Innovation in Technology (ASIANCON),979-8-3503-5421-8/24/$31.00 ©2024 IEEE	Aug – 23- 25, 2024	International
18	SwitchXpert : Simplify Your Smart Living	Shalu Chopra Ruchita Dalvi, Kirti Eppanapelli, Shubham Jha, Siddhant Bhoi,	International Conference on Intelligent Sustainable Systems [ICISS 2025].	Dec 16-20 2025	International
19	Web Application for Insurance Fraud Detection using Machine Learning	Anish Mayekar, Soham A. Phalke, Sanika Rane,Yash Uskelwar,Kajal Joseph	Scopus Indexed Springer Book Series "Lecture Notes in Networks and Systems"	9 & 10 September 2024	International
20	A Comparative Analysis of Machine Learning Models	Kajal Joseph, Dr. Deepa Parasar	Springer 9th SmartCom 2025, Pune, India	29 – 31 January 2025	International
21	InScribe - A Literary NFT Marketplace Carving Digital Legacies for Authors	Rushikesh Yeole, Swarnika Singh, Aakanksha Suvarna, Shantanu Saraf, Abhishek Chaudhari	International Conference on Futuristic Aspects in Science & Engineering (ICFAiSE-2025)	February 06 & 07, 2025	International
22	InvestED: A Smart Financial Education Platform Using LSTM & Game Mechanics	2025 5th International Conference on Intelligent Technologies (CONIT)	InvestED: A Smart Financial Education Platform Using LSTM & Game Mechanics	20th -22nd June 2025	International
23	MediFlow - AI and Blockchain in Pharmaceutical Supply Chain: Enhancing Traceability and Decision-Making	Gaurang Mapuskar, Mitesh Dalvi, Anushka Karhadkar, Ameya Angne, Asma Parveen I. Siddavatam	2025 4th International Conference on Advances in Computing, Communication, Embedded and Secure Systems (ACCESS)	979-8-3315-3623-7/25/$31.00 ©2025 IEEE	DOI: 10.1109 /ACCESS65134.2025.11135599	June 11th to June 13th, 2025.	International
24	DeGram - Decentralized Social Media Application	Charusheela Nehete; Anish Lohiya; Meet Mulik; Vallari Patil; Ajinkya Morankar	3rd International Conference on Applied Artificial Intelligence and Computing (ICAAIC) 2024,@2025 IEEE, ISBN:979-8-3503-7520-6,DOI: 10.1109/ICAAIC60222.2024.10575902	05-07 June 2024, Date Added to IEEE Xplore: 02 July 2024	International
25	Non Invasive Glucometer using near infrared technology	Mrs. Himali Patel	2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS 2024)	1-012 July 2024	International
26	Velocity control of Voice Coil Actuator using Field Programmable Gate Array	Manisha Joshi	2024 7th International Conference on Circuit Power and Computing Technologies (ICCPCT), Kollam, India	8 August 2024	International
27	Wattwatch: Innovative Cloud-Based Energy Monitoring System	Dr. Ashwini Sawant	10th International Conference on Electronics and Sustainable Communication Systems (ICESC)	14-15 March 2024	International
28	Detection of Retinal Disease Using Deep Learning Architecture.	Dr.Saylee Gharge	Intelligent Computing and Big Data Analytics. ICICBDA 2024. Communications in Computer and Information Science, vol 2235. Springer, Cham.	Dec31 2024	International
29	PerfectStitchAI: Automated Fabric Inspection	Mrs. Jyoti Bagate	International Conference on Intelligent Computing and Big Data Analytics	Jan1 2025	International
30	Strain Analysis in Ni-Fe-W Alloy Using Digital Image Correlation	Dr.Kavita Tewari	International Conference on Computer Vision and Robotics	2024	International
31	LightGBM and Gradient Boosting for Optimizing Shipment Mode in Pharmaceutical Supply Chains	Sangeeta Oswal	5th International Conference on Data Science and Applications (ICDSA 2024)	1st July 2024	International

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Sr. No.	Name of Faculty	Chapter Name	Book Name	Publisher	ISBN/ISSN Number	Year
1	Dr. Indu Dokare Dr. Sudha Gupta	AI-driven seizure detection using EEG: A synergistic approach with DWT, entropy features and ANN	Technologies for Energy, Agriculture, and Healthcare	Taylor & Fransis, CRC Press	9781003596707	Feb. 2025
2	Dr. Sharmila Sengupta Sunita Sahu	Electron Energy Prediction in High-Granularity Calorimeter of the CMS Detector Using Graph Neural Network	ICT Systems and Sustainability. ICT4SD 2024. Lecture Notes in Networks and Systems	Springer, Singapore	978-981-97-8590-2	May 2025
3	Dr. Sharmila Sengupta	Leveraging Text-to-Image Generation Models for Automated Creative Processes in Corporate Marketing	ICT Analysis and Applications. ICT4SD 2024. Lecture Notes in Networks and Systems	Springer, Singapore	978-981-97-8601-5	Mar. 2025
4	Dr. Sharmila Sengupta	Histopathological Image Based Oral Pre Cancer Grading Using Machine Learning	Nanotechnology in the Life Sciences	Springer, Cham	978-3-031-72003-1	December 2024
5	Dr. Rasika Naik	Book chapter - Online Simulation of Oscillators: A new approach to Analog electronics education	Online Laboratories in Engineering and Technology Education. Lecture Notes in Networks and Systems, vol 1135. Springer, Cham.	Springer, Cham.	Print ISBN 978-3-031-70770-4 Online ISBN 978-3-031-70771-1	Nov 2024
6	Dr. Shobhit Khandare	Design of a Broadband (0.84–1.2 THz) Microstrip Patch Antenna Utilizing Graphene Material and Polyimide Substrate for Terahertz 6G Applications	Next Generation Wireless Communication	Springer, Cham	978-3-031-56144-3	Dec 2024