

Day 1 – IDICAIHEI – 2025 Paper Presentation Schedule						
Track			Track 1 : AI for Healthcare			
		Mode	Offline		Online	
Session Name			AIH1	AIH2	AIH3	AIH4
Venue			Visvesvaraya Seminar Hall	Computer Center	Intel Unnati	Machine Learning Lab
Floor			Ground Floor	Ground Floor	Ground Floor	Ground Floor
Sr. No.	Date	Subtrack	Precision Medicine & Diagnosis/ Medical Imaging & Analysis	Robotic-assisted Surgery & Rehabilitation/Drug Discovery & Development	Mental Health & Wellbeing/ Population Health & Epidemiology/Clinical Decision Support Systems	Healthcare Data Security & Privacy/Telehealth & Remote Care
	28-11-25	Session Chair	Dr. M. N. Hoda Dr. Ujjwala Gawande	Dr. Nilesh Singh Thakur Dr. Yogesh Golhar	Dr. Vaibhav Anjankar Dr. Seema Biday	Dr. Gaurav Mishra Prof. Indu S
		Session Link	-	-	https://meet.google.com/bdp-kkxk-mwf	https://meet.google.com/mcb-vnew-tnm
1			Paper Id : 485 A Review on Computational Advances in AI-Enhanced Multisensory Rehabilitation in Multiple Sclerosis Shivani Nathe Sharath Hullumani, Irshad Qureshi	Paper Id : 1057 Design of an Intelligent System for Detection of Precancerous Oral Tissue Lesions using Fluorescence Imaging Technique Mrunalini Buradkar , Dhanshree Nagpure, Nidhi Ingole, Monika Dhoble, Avantika Deshmukh, Toshik Chaware	Paper Id : 387 An extensive review on past present and future trends of soft cervical collar Atharva Khonde , Sharad Chaudari, Dharmesh Sonkusare, Ashlesha Kolhe, Sarvesh Bhujade, Mangesh Dhurve, Ambarish Ogale	Paper Id : 654 A Novel Deep Learning Framework for Accurate Brain Age Estimation Using MRI Data with Applications in Neurodegenerative Biomarker Analysis Jangam Subbarayudu G Michael, V. Sheeja Kumari
2			Paper Id : 399 Advances and Challenges in AI-Powered Medical Chatbots: Leveraging LLMs, CNNs, and Multimodal Systems for Clinical Applications Nikhil Pardhi Shital Hajare, Tanvi Chute	Paper Id : 1270 Colorimetric pH Detector Using Python Mukul Argade Sneha Bansod PKP, Gairty Chopra, Nakul Dube	Paper Id : 520 Hybrid Modeling of COVID-19 Spread in Nigeria: Integrating Deep Learning with SIR Framework H. A. Bhavithra N.Ramalingam, K. Pitchaimani, J.Jebamalar Tamilselvi, V.Uma Rani, S.Sindu devi	Paper Id : 499 MRI based Alzheimer's disease diagnosis via Deep convolutional and transfer learning techniques. Sairish H Santhosh Kumar, TR subalakshmi, R Sri nidhi PV
3			Paper Id : 1287 Analysing Indoor Gas Concentration Using Machine Learning Models Yash S. Pachghare Asadullah, Shiv Nath Choudhari, Joy Jordan Bore, Aditya Jogdand	Paper Id : 492 Wearable-Measured Accentuated Eccentric Loading Jump & Ladder Training for Sprint and Change of Direction using Timing Gates in Futsal Players: A Pilot Study Darpan Chaudhari Sharath Hullumani, Swapnil Ramteke	Paper Id : 1028 Modular Lower-Limb Exoskeleton with Soft Pneumatic Actuators and Deep Reinforcement Learning Control for Personalized Gait Rehabilitation Aditya Balpande Anuradha Hiwase	Paper Id : 296 Patient Emergency Service Management Application with Android & Python Integration Ragini Junankar Harsh Jadhav, Harshad Rakhunde Sneha Tiwari, Prasanna Punwatkar, Ujjwala Gawande
4			Paper Id : 513 Review on Advances in Gait Analysis Using Imaging and Artificial Intelligence Over 25 Years of Computing Communication and Networking Technologies Sharath Hullumani Shivani Nathe, Irshad Qureshi	Paper Id : 1099 Smart homeo assistai_based diagnosis and decision support for homeopathy Vaishnavi Shiddewar Palash Gourshettiwar, Sampada Burbure, Disha Bhajipale Vaishnavi Gatkine, Sonaji Bhusse	Paper Id : 318 Real-Time Monitoring and Alerting of Patient Vital Signs via Camera Feed Analysis and MQTT Protocol Veera Triveni Gopi Gudipalli, S. V. R. Lakshmi Kumari, Pavan Thikkiseti, Leela Viswambhara Datta Kurra, Lakshmi Manikanta Uppuluru	Paper Id : 509 A Lightweight Ensemble learning with Uncertainty Quantification for Robust OCT retinal disease Prediction. Madhumithaa.S Masoodhu Banu N.M Jehosheba Margaret.M
5			Paper Id : 664 Computational Advances in Genetic Sequencing for Autism Spectrum Disorder: A Bioinformatics Review Rutuja Sawalkar Sharath Hullumani	Paper Id : 1260 AI-Based Modeling and Algorithmic Understanding of Drug-Protein Interaction Dynamics Sana Qausaia Mohd. Basheeruddin, Archana Dhok, Akshat Jain Amir Ahmad Dar, Ashish Anjankar	Paper Id : 452 Review on Secure Generative AI framework for personalized healthcare for disabled People using Reinforcement learning and Federated learning Manisha Bhimrao Mane	Paper Id : 444 AI Guided Ultrasound Image Acquisition for Faster, Better and Consistent Quality Images: A Survey Jayashree G , M Abhinav R B, Shahedhadeennisa S, Sharvani S
6			Paper Id : 329 Prediction of Pulmonary Tuberculosis from Chest X-ray using a Machine Learning Model trained with Google Teachable Machine Software Anurag Mittal Ashutosh Bagde, Bhushan Madke, Babaji Ghewade, Adarshlata Singh, Varun H	Paper Id : 1245 Neural Network-Based Approach for Breast Cancer Prediction Rushikesh Thakare Rajendra Rewatkar, Rasika Godkhande	Paper Id : 1241 Leveraging pre-trained vision and language models for Zero Shot Clinical Explanation Generation Anurati Bobde Janhvi Ninawe, Aarya Katulwar, Rudrani Tandulkar, Ashwini Kukade	Paper Id : 1172 An Intelligent Voice-Enabled AI Chatbot for Symptom Detection and Early Health Assessment Varisha Khanam Manmohan Singh Vijay Dhote
7			Paper Id : 551 Evaluation of case drafts published in peer reviewed indexed journals using the 'CaRe Checklist Assistant' – a ChatGPT module Manav Khalatkar, Radhieka Misra, Tamana Manwani, Umang Jajoo, Viraj Gupta, Priyanka Sanil	Paper Id : 365 Integration of AI in Real-Time Colonoscopy Workflow Challenges and Benefits Prithvansh Malhotra, RK Shinde, Sanjeev Gianchandani, Jaideep Reddy, Muskaan Singhal	Paper Id : 267 An Empirical Study on The Efficacy of Ensemble Algorithms and Deep Learning Networks for Multi-class Electrocardiogram Based Cardiac Condition Classification Sanya Jain, Nitish Sawant, Debasish Nath	Paper Id : 397 AI-Based Knee Implant Recommendation from Radiographic Images Using Deep Learning Om Urkande, Sharad Chaudhar, Neha Urkande, Shubham Padmawar, Rakesh V. Adakane
8		Paper Id : 1261 A thorough analysis of the integration of serum iron levels with artificial intelligence for prognostic prediction and individualized treatment in breast cancer Ashish Anjankar Mohd. Basheeruddin, Archana Dhok, Sandip Lambe, Arvind Kushwaha, Rushikesh Ingole"	Paper Id : 252 Role of AI in newborn screening Anurag chakraborty Archana Dhok, Ashish Anjankar	Paper Id : 1096 The Role of a Combined Multi-Layer Perceptron Classifier in Achieving Superior Diabetes Prediction Shaik Saidavali Naguru Bala Samson, Vijay Kumar Thirumalasetty, Naga Kalyan, Kolli Venkata Sai Bhavani, Boda Eswar, E poornima	Paper Id : 657 A Transfer Learning Approach for Skin Cancer Classification Using Dense CNN Optimized with RAdam and Cosine Annealing Arka Goswami Koushani Chandra, Subhajit Kar	
Tea-Break (15.30 hrs-15.40 hrs)						

Day 1 – IDICAIHEI – 2025 Paper Presentation Schedule						
Track		Track 1 : AI for Healthcare				
		Mode	Offline		Online	
Session Name			AIH5	AIH6	AIH7	AIH8
Sr. No.	Date	Subtrack	Precision Medicine & Diagnosis/ Medical Imaging & Analysis	Robotic-assisted Surgery & Rehabilitation/Drug Discovery & Development	Mental Health & Wellbeing/ Population Health & Epidemiology/Clinical Decision Support Systems	Healthcare Data Security & Privacy/Telehealth & Remote Care
		Session Chair	Dr. M. N. Hoda Dr. Ujjwala Gawande	Dr. Nilesh Singh Thakur Dr. Yogesh Golhar	Dr. Vaibhav Anjankar Dr. Seema Biday	Dr. Gaurav Mishra Prof. Indu S
		Session Link	-	-	https://meet.google.com/bdp-kkxk-mwf	https://meet.google.com/mcb-vnew-tnm
9	28-11-25	15:45 Hrs. to 17:15 Hrs.	Paper Id : 276 Advancing Non – Invasive Scoliosis Detection Using Deep Learning Devanshu Ekhar Jeena Joseph, Siddhant Lohakar, Saveri Dongre, Yogesh Golhar	Paper Id : 491 Feasibility and safety of AI driven telemetric cardiac rehabilitation in adjunct to home exercise education in pediatric patients with Congenital heart disease: A pilot study Preshita Kitey , Lajwanti Lalwani	Paper Id : 1114 A Comparative Study of Face Recognition Techniques Using Deep Learning Amit B. Rehapade	Paper Id : 1037 Soul Sync: An AI-Driven Mental Health and Productivity Companion Dipagnik Ghosh Anjali Rai, Rochishnu Bose
10			Paper Id : 921 A Comprehensive Feature Extraction of Biomechanical Gait Parameters Using XSENS Inertial Motion Capture System Towards AI-Driven Clinical Gait Assessment Gurjeet Kaur, Irshad Qureshi, Ashutosh Bagde, Sneha B. Bansod	Paper Id : 487 Integration of Sensor-Based Monitoring in Aquatic Rehabilitation for Children with Acute Lymphoblastic Leukemia: Feasibility and Preliminary Study Shrutika Khairnar, Sharath Hullumani, Rutuja Sawalkar, Aishik Ghosh	Paper Id : 748 Efficient Detection of Diabetic Retinopathy through Deep Learning Using MobileNetV2 Raju Duggepogu	Paper Id : 650 Parkinsons Disease Detection from Voice Features using CNN'sLSTM with LIME-Based Explainability A HIDAYATH ABDULLA Baiju B V Nived Krishna Mullanarambath, Johan Muttappally Jose, Sudeep Sunil, Adithya Manoj Nair
11			Paper Id : 772 Generative AI-Driven Acceleration of Drug Repurposing and Pharmaceutical Development Sakshi Wankhede Anil Pethe	Paper Id : 856 Artificial intelligence in the assessment of Range of motion during musculoskeletal conditions during telerehabilitation Lajwanti Lalwani , Adwani, Amit Bhayani	Paper Id : 153 Patch-Based Convolutional Neural Network Architecture for Multi-Class Mammogram Classification Parth Saxena , Janak Devashish	Paper Id : 237 AI And Machine Learning Models For Identifying Generic And Patentable Medicines: A Techno-Legal Approach Swati Mehra , Arun Sharma
12			Paper Id : 493 Artificial Intelligence Enabled Mobile Platform for Home-Based Habituatation in Posterior Canal Benign paroxysmal positional vertigo: Comparative Pilot Analysis Manjari Nakhate, Sharath Hullumani, Irshad Qureshi	Paper Id : 285 Artificial Intelligence for the Development and Customization of Hemostatic Biomaterials in Otorhinolaryngology Harshil dobariya	Paper Id : 671 AI Based Non- Fatal Dermatological Disease Identification using Raspberry Pi Swethaa T, Manjushri M, Lekha Chandhini A, Janapriya V G, Saranya G, Padmanabha Sarma A	Paper Id : 465 MRI-Driven Brain Tumor Detection Using Interpretable Convolutional Neural Networks Sai Rithika Madala, M Prabhakar, D Greeshma, S Shivani, P Sathwik Kumar
13			Paper Id : 497 Comparative Effects of Virtual Reality and rTMS Combined with Conventional Physiotherapy on Hand Function in Stroke Survivors: A Pilot Randomized Controlled Trial Sakshi Borkute Sharath Hullumani, Irshad Qureshi	Paper Id : 315 Current Advancements Using Silk as a Potential Biomaterial in Tissue Engineering Application Neha Kumamekar Aditi S.Bharadwaj, Payal Dorle, Ayush Junghare, Ashish bhagat, Ashutosh Bagde, Zahir Quazi	Paper Id : 1011 Development of a Hybrid prediction model for drowsiness monitoring Dipika Pradhan Priyanka Bhuttapalli, Kalyani wagh, Neeta kadam	Paper Id : 1042 AI-based Prediction of Mental Health Using a Reduced DASS-21 Survey: A Case Study on KIIT University Students Siddhartha Chakraborty Saurabh Bigaiyan Deboina Ghosh, P Ajay Kumar, Sanat Sinha, Chiranjib Parida
14			Paper Id : 1257 The Future of Precision Medicine and Artificial Intelligence in Drug Discovery: A Comprehensive Analysis of Instruments and Methods Mohd. Basheeruddin Sana Qausain, Ashish Anjankar, Amir Ahmad, Dar Faez, Iqbal Khan, Archana Dhok	Paper Id : 372 Leveraging Machine Learning for Cervical Cancer Risk Prediction: Insights from Tertiary Screening Data in India. Achita Sawarkar Deeplata Mendhe, Jaya Khandar, Madhuri Shambharkar, Prerana Sakharwade	Paper Id : 501 DermaCare: A Hybrid Ensemble Deep Learning System for Skin Cancer Classification and Post-Treatment Recovery Monitoring Dinesh Karthick S Gowri Sanjay, K. Ariharan. R	Paper Id : 1044 Semi-Supervised Oral Cancer Image Classification using GAN-based Augmentation and EfficientNet-B3 Utkarsh Sayan Pal, Shoham Chakraborty, Saurabh Bilgaiyan, Chiranjib Parida
15			Paper Id : 636 Artificial Intelligence in Neuro-Oncology: Application in Diagnosis, Prognosis and Treatment Ram Pukar Bharat Ravi Kanodia, Jagrati Yadhav, S. K. Azharuddin, Amol Dongre, Aman Sondoule	Paper Id : 382 Artificial Intelligence in the Diagnosis and Understanding of Primary Dysmenorrhea and Endometriosis: Emerging Insights and Clinical Implications Prerana Sakharwade Bibin Kurian, Amar Taksande, Bharat Rathi, Achita Sawarkar	Paper Id : 445 From SMILES to 3D: A Variational Autoencoder Framework for Automated Drug Molecule Design Divanshu Maheshwari	Paper Id : 355 AI-Powered Gait for Objective Evaluation of Epsom Salt Hot Water Application in knee Osteoarthritis Jaya Khandar Deeplata Mendhe
16			Paper Id : 870 Early Detection of Polycystic Ovary Syndrome Using a Hybrid Machine Learning Model Chinmaya Khadse	Paper Id : 558 Model for AI-Enhanced Disease Diagnosis and Prognosis Ranjit Ambad Rakesh Jha, Roshan Jha	Paper Id : 610 Selection and Justification of Key Risk Factors Affecting Student Mental Health: An Interdisciplinary Perspective Deepali Kadam , K. T. V. REDDY	Paper Id : 265 Medical Image Segmentation in Joint Replacement Scans using Attention Mechanisms: A Survey Sindhu N , S.Srividhya
17					Paper Id : 614 Spatio-Temporal Deep Learning for GERD Severity Classification in Endoscopic Videos Kabileskumar r Domilin Shyni I, Manish Dutt s	Paper Id : 661 A Deep Learning-Based Framework Integrating MRI and Medical History for Brain Tumor Severity Diagnosis Sachin Inwate Rajendra Rewatkar

Day 2 – IDICAIHEI – 2025 Paper Presentation Schedule							
Track		Track 1 : AI for Healthcare					
		Mode	Offline			Online	
Session Name			AIH9	AIH10	AIH11	AIH12	AIH14
Venue			Visvesvaraya Seminar Hall	Computer Center	Intel Unnati	Programming Lab	Machine Learning
Floor			Ground Floor	Ground Floor	Ground Floor	Ground Floor	First Floor
Sr. No.	Date	Subtrack	Precision Medicine & Diagnosis/Medical Imaging & Analysis	AI for Personalized Nutrition & Healthcare Management	Robotic-assisted Surgery & Rehabilitation/Drug Discovery & Development	Mental Health & Wellbeing/ Population Health & Epidemiology	Healthcare Data Security & Privacy/Telehealth & Remote Care
		Session Chair	Dr. Ajay Thakare Dr. Ganga Raju Geda	Dr. Aniruddha Kalbande Dr. Aniruddha Kalbande	Dr. S. B. Deosarkar Dr. Abhay Gaidhane	Dr. Vijay Wadhwa Dr. C.M. Choudhary	Dr. Sanjay Badjate Dr. Pannan Chinnaswamy
		Session Link	-	-	-	https://meet.google.com/uqa-cvjt-gza	https://meet.google.com/fgn-lwnv-ndp
1			Paper ID : 1154 Dental Disease Detection using EfficientNet Radhha Wande	Paper id : 651 Interpretable Multi-View Feature Fusion for Handwritten Digit Classification Using Autoencoders and SHAP Mohd Altamash Stefan Joseph, Anand Bhopale Aditya Singh, Leena Mandurkar	Paper id : 623 Artificial Intelligence Applications in Vascular Tissue Engineering and Artificial Blood Vessels Aditya Shete Subodh Daronde Sonaji bhusse, Neeraj Golait	Paper id : 1120 A Raspberry Pi Based Approach to Skin Cancer Detection Through Transfer Learning A V S Deepika V. Ravindranath Chowdary P. Pavan Aditya Ch. Pavan G. Silva Narayana V.Prasanthi	Paper id : 849 OptimaNet: Loss - Optimized Hybrid Deep Learning Framework for Reliable Myeloma Detection in Morphological Images Prasanjit Singh P. Mohan Kumar
2			Paper ID : 1195 AI-Based Fall Detection System for Patient Healthcare Using Webcam Asad hakeem	Paper id : 1271 Advance Machine Learning Strategies for Accurate Autism Spectrum Disorder Screening Rutuja Lanjewar Utkarsha Pacharane Subodh Daronde, Nusrat Parveen, Gouri Morankar	Paper id : 624 Integrating AI into Clinical Neurophysiology Labs: Challenges and Opportunities in Nerve Conduction Studies Bageshri Takalkar Alka Rawekar	Paper id : 1097 Dual-Approach CNN Framework for Brain Tumor Detection Using MRI Images Kottu Sangeeth Kumar Kakera Prasanthi, Nagalingam Phani Rohith, Adoka Jagapathi Babu, Pothi Reddy Pavan Kumar Reddy, Samyuktha Pusarla	Paper id : 1097 Dual-Approach CNN Framework for Brain Tumor Detection Using MRI Images Kottu Sangeeth Kumar Kakera Prasanthi, Nagalingam Phani Rohith, Adoka Jagapathi Babu, Pothi Reddy Pavan Kumar Reddy, Samyuktha Pusarla
3			Paper ID : 1196 Artificial Intelligence and Machine Learning in Neurodegenerative Disease Diagnosis: Techniques, Data Modalities, Challenges, and Future Directions Asad hakeem	Paper id : 1275 Experimental Comparison of Machine Learning Algorithms for Early Breast Cancer Detection Aditya Barhate Arya Gawate, Pavan Kumar Abhay Tale, Aishwarya Kadu Nayan Jikar	Paper id : 667 AI (Artificial Intelligence) in Drug Discovery and Development: A Paradigm Shift Towards Precision, Speed, and Efficiency Anjali Ghule	Paper id : 780 MediSense: AI-Based Dual Summarization of Clinical Reports for Healthcare Professionals and Patients Durgesh Shukla Siddesh Shirote, Om Soma Aditi Sorte, Suhani Banchhor Dattatray Takale	Paper id : 1243 Hybrid 3D CNN and Differential CRF Model for Accurate Brain Lesion Segmentation using RTX 3060 GPU B. Rajeswari, G.S.L. Narasimha Swamy, B. Rushma Devi, D.L. Bhupathi Rao Tella Anil Raju, EV Krishna Rao
4			Paper ID : 1207 Posture Alert System: Design, Implementation and Evaluation Sanskriti Gayki	Paper id : 1297 Development of a Multi-Sensor Wearable Device for Continuous Monitoring of Vital Signs in Humans & Animals Prajwal Bandre Subodh Daronde Palash Gourshettiwar Trishul Dholel Diksha D. Gabhane	Paper id : 823 Voice-Based Machine Learning Model for Depression Risk Prediction in Medical Students A Review Trupti Kapse	Paper id : 732 A Review on Deep Neural Network Approaches for Early Autism Spectrum Disorder Diagnosis: Current Trends, Challenges and A Proposed Framework Ashwini Rampure Namdev Sawant, Dhanashri Bhosale	Paper id : 973 A Federated Learning Approach using Convolutional Neural Networks for Counterfeit Drug Detection in the Healthcare Supply Chain Shailesh Kediya Archana Borde, Megha Pallival Sheetal Umbarkar, Prasanna Deshpande, Shiwani Wagh
5	29-11-2025	09:00 Hrs. to 10:30 Hrs.	Paper id : 371 Artificial Intelligence-Based Quantification of Cytoplasmic Fragmentation in Blastocyst-Stage Embryos Following Intracytoplasmic Sperm Injection as a Predictor of Implantation and Clinical Pregnancy Outcomes Ganesh Kalaskar Akash More, Namrata Choudhary, Lakhon Padwal, Prachi Gedekar, Mariyam Khan"	Paper id : 1303 A Machine Learning Approach for Skin Disease Detection and Classification Shravan Kumar Praveen Kumar, Shital Hajare, Rajan Kumar, Gulshan Kumar Rahul Raushan	Paper id : 866 A Machine Learning Framework for Multiclass Fetal Health Classification Using CTG Data Chetan Puri KTV Reddy	Paper id : 287 Advances in Skin Disease Detection and Classification Using Convolutional Neural Networks: A Comprehensive Literature Survey Ketan Anil Jatale Dhananjay S. Deshpande	Paper ID : 1048 PreciVision: An integrated platform for multiple diseases detection using CNN model Shweta Ashtekar
6			Paper id : 924 Neuralink: Revolutionizing Brain-Computer Interfaces for Healthcare and Human-AI Integration Prajwal Bandre Subodh Daronde Pradnyawant Gote Prajyot Yesankar Trishul Dhole, Adesh Pawar	Paper id : 1304 Development of a Web-Integrated Machine Learning System for Mental Health Risk Assessment Using Questionnaire-Based Inputs Chetan Puri Pradnyawant Gote, Janhavi Hajbe, Sachin Dagadkar, Adesh Pawar	Paper id : 886 AI Chatbot for Diabetes and Hypertension Education Pranay Ghavghave	Paper id : 1281 DeepColor: A CNN-Based Skin Tone Detection and Personalized Color Recommendation System Lakshmi Sharma Devidas Thosar, Barkha Kumari, Sakshi Nikam, Laxmi Aher, Saif Sayyad	Paper id : 976 An Explainable AI Framework for Building Trust in AI-Driven Patient Engagement Marketing for Chronic Disease Management Shailesh Kediya Chandan Kumar Chanchal Amit Gudadhe, Ruchi Sharma Dileep Kumar Singh.
7			Paper id : 1313 Deep Learning-Based Multi-Class Classification of Cough Sounds for Respiratory Disease Detection and Real-Time Screening Chinmay Pawar Ayushi Chonde, Farhan Sheikh Joy Jordan Bore Shiv Nath Chaudhari Utkarsha Pacharane	Paper id : 1314 Forecasting Soybean Yield in Amravati Region Using Climatic Indicators and Time Series Models Tejas Pisal Chetan Puri Sanjivani Panditkar	Paper id : 916 Machine Learning Prediction of Biocompatibility of Implants Nishad Sheikh Sachin Dagadkar	Paper id : 43 Alternative treatments for breast cancer that has spread A multimodal strategy that targets tumour cell heterogeneity Nikita Yadav Sheetal Borde, Jaya Deshmukh Pratibha Athare, Vinita Jamdade	Paper ID : 1014 Design and Implementation of a Hearing Assessment Device Ashwini R. Kukade
8			Paper id : 1046 Enhancing Patient Outcomes in Spine Surgery: The Role of AI in Implant Design and Postoperative Care Lucky ghai, Pawan Chaudhari, Karan Bhute, Sumit Ladwan, Veer Bobade, Dr.Utkarsha Pacharane	Paper id : 1314 Forecasting Soybean Yield in Amravati Region Using Climatic Indicators and Time Series Models Tejas Pisal Chetan Puri Sanjivani Panditkar	Paper id : 922 Hand Tremor Suppression Devices: Current Status and Future Directions Purnashti Bhosale	Paper id : 687 Predicting Emotional Well-Being of Undergraduate Students Using Machine Learning Approaches Satish Bhadane Kuruparthi TV Reddy	Paper ID : 1264 Federated Deep Learning on Privacy-Preserving Multi-Hospital Cardiac Health Risk Prediction Shantli Verma
9			Paper id : 867 A Review of Artificial Intelligence and Machine Learning Approaches for Ergonomic Risk Assessment in Agriculture Pramad Mahale	Paper ID : 1110 Paralysis Disease Prediction Using Machine Learning Vrushali Mahalle	Paper id : 634 Real Time Prediction of Sepsis Onset Using Deep Learning Models on Electronic Health Records (EHR) G. Nivashini Karpagam D. Jayasree Vanshika Chaudhary, C. Preethika Priyanka Banyal, K. Illakiya	Paper id : 751 MedGuardian:AI-Driven Smart Trolley for Patient Assistance Dhivya Mangai Ashruthi V, Asha M Neela Harish	Paper id : 1107 Integrating IoT, Machine Learning & Federated Learning for Early Cardiovascular Disease Detection: A Comprehensive Survey Ashwini Pawar Nusrat Parveen
Tea-Break (10.30 hrs-10.45 hrs)							

Day 2 – IDICAIHEI – 2025 Paper Presentation Schedule								
Track		Track 1 : AI for Healthcare						
		Mode	Offline			Online		
Session Name			AIH15	AIH16	AIH17	AIH18	AIH19	AIH20
Venue			Visvesvaraya Seminar Hall	Computer Center	Intel Unnati	Programming Lab	Machine Learning	TCR5
Floor			Ground Floor	Ground Floor	Ground Floor	Ground Floor	Ground Floor	First Floor
Sr. No.	Date	Subtrack	Precision Medicine & Diagnosis/Medical Imaging & Analysis	AI for Personalized Nutrition & Healthcare Management	Robotic-assisted Surgery & Rehabilitation/Drug Discovery & Development	Mental Health & Wellbeing/ Population Health & Epidemiology	Healthcare Data Security & Privacy/Telehealth & Remote Care	Clinical Decision Support Systems
		Session Chair	Dr. Nileshsingh Thakur Dr. Sajay Badjate	Dr. Aniruddha Kalbande Dr. Sujoy Bhattacharya	Dr. Vijay Wadhai Dr. Irshad Qureshi	Dr. Shilpa Gaidhane Dr. Milind Shah	Dr. Punit Fultze Prof. Indu S	Dr. Sanjay Gulhane Dr. Sonali Choudhari
		Session Link	-	-	-	https://meet.google.com/uqa-cvjt-gza	https://meet.google.com/fgn-lwnv-ndp	https://meet.google.com/uqa-vgyw-gcy
1	29-11-2025	10:45 Hrs. to 13:00 Hrs.	Paper id : 459 Artificial Intelligence for Predicting Oocyte Maturity and Quality in Assisted Reproduction Mariyam Khan Akash More Namrata Choudhary, Ganesh Kalaskar, Lakhon Padwal	Paper id : 423 Development of a AI Derived Model to Predict Unplanned ICU admissions After Major Non Cardiac Surgery Devanshi Gandhi Ranjana Lanjewar, Imran Ali Khan, Anup zade	Paper ID : 1113 Real-Time Hospital Hygiene Surveillance Using Dual YOLOv8 Detection-Segmentation on Edge AI Prasad Ghavghave	Paper id : 481 Predictive Modeling For Cardiovascular Health: A Survey On Deep Learning Approaches Jadhav Avinash G. Revathy	Paper id : 244 Clinical & Observational Study of Sickle Cell Disease at Tertiary Care Centre in Vidarbha Region (Wardha) Tanushree Budhbaware Jashirnam Rathored, Sandesh Shende, Snehal Patil, Manish Deshmukh	Paper ID : 837 Artificial Intelligence in Healthcare Management for Predictive Maintenance of Machines Pranav Patilthankar
2			Paper id : 483 A Comparative Study of Machine Learning Methods for Fetal Health Prediction Using CTG Data Pradnyawant Gote Praveen Kumar Prajwal Bandre, Adesh Pawar Prajyot Yesankar, Chetan Puri	Paper id : 384 Application of Artificial Intelligence in Lipid Profiling and Cardiovascular Risk Prediction in Young Adults: Emphasis on Lipid Tetrad Index Vineeta Dewangan Archana Dhok, Ashish Anjankar Anjali Vagga, Roshani Ganjare Pratiksha Batulwar	Paper ID : 1119 Ultrasonic and Artificial Intelligence-Based Detection of Microplastics in Aquatic Environments Rashi Katade	Paper id : 212 Classification Enhanced Automated Gastric Histopathology Report Generation Charishma Akshaya Pulakhandam Sreeparvathy Ajayaraj Rahul Krishnan, Pathinarupothi	Paper id : 400 Reducing Delayed Hospital Discharges Through AI-Driven Documentation and Machine Learning-Based Predictive Models: Impacts on Patient Flow, Length of Stay, and Operational Efficiency Juhi Parate , Laxmikant Umate, Achal Gulghane	Paper ID : 692 Harnessing Unconventional Paradigms and Frontier AI: A Comprehensive In-Depth Review for Early Sepsis Detection Ankita Bhoyar
3			Paper id : 619 Revolutionizing Medical Diagnostics: High-Performance Artificial Intelligence in Radiology and Medical Imaging Supriya Narad	Paper id : 644 Machine learning, deep learning & convolutional neural networks on improving patient & learner outcomes for endovascular aneurysm repair in infrarenal abdominal aortic aneurysm patients :A review Nagendra vadlamudi Ansh Grover, Anshul sood Manav khalatkar, Bilqueesa mustaq Bisma amin	Paper ID : 1127 Artificial Intelligence (AI) Based Risk Prediction System for Sickle Cell Anemia Using Clinical Data Rutuja Ingole	Paper id : 552 A Hybrid Approach to ECG Signal Compression Using Wavelet Transform and Deep Autoencoders Manali Nikumbh Dhananjay Patel	Paper id : 938 Feature Drift Aware Boosted Ensemble with Feature Set Management in Concept Drift Analysis for healthcare data Abhay Dhande	Paper ID : 145 An Explainable Deep Learning Framework using swin Transformer and Grad-CAM ++ for Multiclass Retinal Disease Classification Marisetti Manasa M Divya Harshitha
4			Paper id : 360 Evaluating Clinical Pregnancy Outcomes of Intracytoplasmic Sperm Injection (ICSI) in invitro fertilization (IVF) Patients with High Sperm DNA Fragmentation Using AI-Based, Label-Free Assessment in Place of Traditional Staining Juhi Barai	Paper id : 385 AI- Prediction of misfolded protein spreading in Alzheimer's disease Roshani Ganjare Anjali Vagga, Archana Dhok Ashish Anjankar Vineeta Dewangan Pratiksha Batulwar	Paper ID : 1128 Comparative Analysis of Machine Learning Algorithms for Cervical Cancer Detection with SMOTE and ANOVA Statistical Validation Rutuja Ingole	Paper id : 289 Predictive Modelling of Art Patient Status Using Machine Learning: A Comparative Study of Classification Algorithms Chinnyere Perpetua Okechukwu, Mohd Basheeruddin Amir Ahmad Dar, Sana Qausain, S. Sindhuja Okechukwu J. Obulezi	Paper id : 568 Artificial Intelligence-Driven Genomic Prediction Models for Early Detection and Risk Stratification of Complex Diseases Induni Weeraratne Praveen Kumar Matteo Hirushan, Jayakody Archchige, Manoj Patil Gaurav Mishra	Paper ID : 771 Early Autism Detection through Webcam-Based AI Screening: A Scalable and Cost-Effective Approach Divyansh Mangal Rakesheet Jain Viraj Patil, Mohammed Az Syed Gaurav Gupta
5			Paper ID : 1085 Early Prediction of Pancreatic Cancer Using Deep Learning: A Data-Driven Approach for Timely Diagnosis Kunal Hivase Meher Langote"	"Paper id: 1317 The Impact of Artificial Intelligence on Cancer Biomarker Detection and Analysis Shaikh Nusratullah Archana Dhok Amir Ahmad Dar Mohd Basheeruddin Ashish Anjankar Pratiksha Batulwar"	"Paper id-320 AI-Driven Systems for Automated Adverse Drug Reaction (ADR) Reporting: A Comparative Evaluation of NLP-Based Models for Real-Time Pharmacovigilance Sneha Ray Swanand S Pathak"	"Paper id-373 Causal Estimation of Telehealth Modality Impact Using Simulated Patient Data and Non-Traditional Machine Learning Shaik Afsar Jahan Sana Qausain Amir Ahmad Dar Mohd Basheeruddin Waqar Mushtaq Bashir Ahmad Dar"	"Paper id-413 Machine Learning and Artificial Intelligence detection in early pre term pregnancies Juhi Parate Laxmikant Umate Achal Gulghane "	"Paper ID: 1002 DeepVision-Diabetic Retinopathy System Kirti Rane Dnyanesh Khandekar Omkar Lande Pratik Khodga Sahil Pagare "
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