



Schedule for Paper Presentation

Track Name: Applied Science and Mathematics in Engineering (Mathematics)

Session No.: I

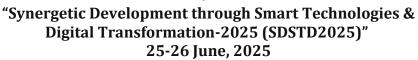
Date: 25/06/2025, Time: 2.30 pm to 4.00 pm

Venue: ADIT College Room number 212

Sr. No	Manu script ID.	Title of the Manuscript	Name of Authors	Online/Offline
1	94	Numerical Investigation of Rough Parallel Plate Slider Bearings Using Finite Difference Method	Nitin M Patel, Chetansinh R. Vaghela , Nitin Patel Jimit R Patel	Offline
2	139	A Finite Element Analysis of Counter-Current Imbibition in Heterogeneous Porous Media	Tejaskumar Sharma, Dr. Shreekant P. Pathak	Offline
3	161	Numerical Simulation of Phytoplankton Dynamics	Dr. Darshana J. Prajapati, Shivam Rawat	Offline
4	169	A Review of Root-Finding Methods for Nonlinear Equations	Mukesh D. Patel, Dr. Rajesh C Sanghvi	Offline
5	180	In-Depth Review of Multiple Fault Detection in Gearboxes Using Signal Processing Methods and Advanced Machine Learning Techniques.	Bijal Khamar, Dr. Vinod Patel, Dr. Krupal Parikh	Offline
6	211	Statistical methods and Machine learning algorithms for financial time series prediction: A review	Mukeshkumar Joshi, Dr.Vipul Shah, Dr. Krupal Parikh	Offline
7	138	Invariant Solution of a Time Fractional Ito System under the Lie Group Transformations	Khusbu Patel, Dr. Heenaben A Raj	Offline
8	246	Feed Forward Neural Network and Bayesian Regularization Algorithm for Solving Second- Order Stiff Ordinary Differential Equations	Rootvesh Mehta Sandeep Malhotra	Offline

Details of track coordinators		
Name	Mobile No.	
Dr. Heenaben A Raj	9428437120	







Schedule for Paper Presentation

Track Name: Applied Science and Mathematics in Engineering (Mathematics)

Session No.: II

Date: 25/06/2025 Time: 2:30 pm to 4.00 pm

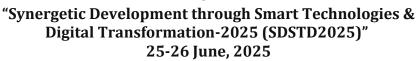
Venue: ADIT College Room number 213

Sr. No.	Manuscript ID.	Title of the Manuscript	Name of Authors	Offline/Online
1	216	A Hypergeometric Solution of Legendre's Differential Equation	Harsh Thakkar, Dr. Narendrasinh Desai	Offline
2	209	On the Generalized Tetranacci Like Polynomials	KINNARI SUTARIA, Dr. Narendrasinh Desai	Offline
3	201	Advanced Modelling of Blood Flow in Sickle Cell Anaemia: Analytical Extensions and Morphology	Mitaliben Pitroda	Offline
4	182	Uniform Approximation With Lupa's Operators Preserving Exponential Functions	Harsh Kothari Shruti S Kariya Prashant Patel	Offline
5	166	Ranking Methodologies in Fuzzy Linear Optimization: An Analytical Comparison	Dr. Narendrasinh Desai, Sejal Patel	Offline
6	133	A Novel Lie-Group Shooting Boundary Shape Function Method for Non- Newtonian MHD Flows	Ravikumar Shah, Dr. Heenaben A Raj Dr.Gargi J. Trivedi	Offline
7	117	Applications of fuzzy logic in Human- Centric Decision-Making Systems	Harsh Kadecha Bhavya Diwan. Dr. Heenaben A Raj	Offline
8	149	Phytochemical Evaluation of Protein Content in Medicinal Plants	Dr. Richa Dodia, Dr. Susmita Sahoo Dr. Heenaben A Raj	Online

Details of track coordinators		
Name	Mobile No.	
Dr. Shreekant Pathak	9510192944	



on





Schedule for Paper Presentation

Track Name: Applied Science and Mathematics in Engineering (physics)

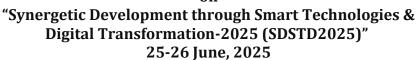
Session No.: 1 Date: 25/06/2025 Time: 4.00 pm to 6.00 pm

Venue: ADIT College Room number 213

Sr. No.	Manuscript ID.	Title of the Manuscript	Name of Authors	Online/Offline
1	37	Substrate Temperature Modulated Electrical Transport Characterizations of PLD Grown α-CdIn2Se4 Thin Films	D.K. Dhruv, Tanvi Dudharejiya, Sergei A. Sharko, Jagruti Jangale, Parth Rayani, J.H. Markna, Bharat Kataria, S.D. Dhruv	Offline
2	38	Synthesis of Thin Films on Diverse Substrates for Spintronic Applications: A Speculative Investigation	<u>Iagruti Jangale</u> , Parth Rayani, S.D. Dhruv, D.K. Dhruv	Offline
3	40	Thin Film Ferro-Electric Field Effect Transistor (Fe-FET) as a Memory Resistor: A Hypothetical Study	Parth Rayani, Jagruti Jangale, S.D. Dhruv, D.K. Dhruv	Offline
4	66	Study Of Blood Cancer with Special Reference to Germline Transcription Factors Mutations [Runx1, Gata2, Cebpa]	Mishwa Badhiya, AnjaliKulkarni	Online
5	91	Selection of Seed Substrates via Raman Spectroscopy for Enhanced Single-Crystalline Diamond Growth by the MPCVD Method	Pulkesh Prajapati, Abhay Dasadia, Khyati Upadhyay, Sandip V. Bhatt, Vanaraj Solanki	Offline
6	217	Electron Impact Ionization Cross-Sections Studies of VIB Elements: Cr, Mo	Manauti Chaudhari, Foram M. Joshi, Sanket S. Prajapati	Offline

Details of track coordinators		
Name	Mobile No.	
Dr Abhay Dasadia	9426017285	







Schedule for Paper Presentation

Track Name: Food Processing and Dairy Technology, Chemical and Civil Engineering

Session No. : 01 Date : 26/06/2025

Time: 11:30 am to 01:30 pm

Venue: ADIT College, Room no. 214

Sr.	Manuscript	Title of the Manuscript	Name of Authors	Online/Offline
No.	ID.			
1	32	Experimental study on self- compacting concrete with plastic bottle waste as partial replacement of sand	Dr. Jay Bhavsar Parv Vaghela, Dr. V. R. Panchal	Online
2	71	Unveiling Hidden Dispute Triggers: Analyzing Arbitration-Inducing Clauses in NHAI EPC Contracts	Dr. Dharmesh Oza Dr. Rajiv Bhatt	Online
3	123	Strengthening Climate Predictions: A Critical Analysis of Estimation Models to Reduce Future Risks	<u>Iagruti Shah.</u> Dr. Rajiv Bhatt, Dr. Indrajit Patel	Offline
4	194	Characteristics of One Part Geopolymer as a Binder: A Review	Poorav Shah, Jalpa Patel, Krunali Patel, Riddhi Vashi	Offline
5	199	Review on Traffic Loading & its Impact on Pavement performance on various categories of Roads	Axay Shah, Dr. Rajiv Bhatt	Offline
6	56	Seismic Vibration Control of Secondary System Using Linear Viscous Dampers	Darshan Yagnik, Dr. Rajiv Bhatt, Dr. Snehal Mevada	Offline

Details of track coordinators		
Name	Mobile No.	
Mr. Darshan Yagnik	9898415126	



"Synergetic Development through Smart Technologies & Digital Transformation-2025 (SDSTD2025)" 25-26 June, 2025



Schedule for Paper Presentation

Track Name: Food Processing and Dairy Technology, Chemical and Civil Engineering

Session No.: 01 Date: 26/06/2025

Time: 11:30 am to 01:30 pm

Venue: ADIT College, Room no. 215

Sr. No.	Manuscript ID.	Title of the Manuscript	Name of Authors	Online/Offline
1	234	Plant Nutrient Drawn Forward Osmosis Using Potassium Humate as Draw Solute	Krupa Patel, Ajay Lohar, Pragnesh Dave, Haresh Dave, Kaushik Nath	Offline
2	253	HCl Regeneration and Recovery from Spent Pickling Liquor of the Steel Industry	PathakRahulOmprakash,NainaTahilramani,JayeshYadav.	Offline
3	154	Study of Graphene material as adsorbent for Reactive Black 5 Removal.	Rocky Desai, Dr. Snehal Popli	offline
4	153	Fabrication of Eco-friendly Polymer Films using Modified Agricultural Starches as a Sustainable Alternative to Plastics.	Dr. Endrick D Contractor, Sagar B Gohil. Setu Visavadia	Offline
5	226	From Fouling to Functionality: Strategies for Sustainable Use of Polymeric Membranes	Heena Katariya, Dharmendra Mandaliya, Haresh Dave, Devarshi Tadvi	Offline
6	228	Removal of Cadmium from Aqueous Solution Using Emulsion Liquid Membranes: A Parametric Study	Akash R. Raval, Anand V. Metre, Mathurkumar S. Bhakhar, Dharmesh V Kapatel, Omprakash K Mahadwad.	Online

Details of track coordinators		
Name	Mobile No.	
Dr. Dharmesh Kapatel	9824157874	



"Synergetic Development through Smart Technologies & Digital Transformation-2025 (SDSTD2025)" 25-26 June, 2025



Schedule for Paper Presentation

Track Name: Electrical, Electronics and Communication Engineering

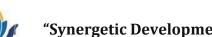
Session No. : 1 Date : 25-06-2025

Time: 4:15 pm onwards to 5:45 pm

Venue: D105 Lab, GCET

Sr. No.	Manuscript ID.	Title of the Manuscript	Name of Authors	Mode of Presentation
1	193	A Theoretical Survey and Comparative Analysis of Sustainable Energy Harvesting Techniques for Smart Infrastructure	Anwwiit Barge, Khushali Shah	Offline
2	198	Voltage Support and Fault Analysis in DSTATCOM-Compensated Multi- Machine Systems Using Wavelet- Based Probabilistic Neural Network Techniques	Minesh K. Joshi, R R Patel	Offline
3	207	Smart Spectacles for Blind Person using Internet of Things	Nitya Chauhan Nandan Patel, Bhaskar Thakker	Offline
4	239	Harmonic Elimination in Cascaded H- Bridge Inverter	Surabhi Patil Vishal Sheth Paresh Modha	Offline
5	173	Steady State Analysis of PV, Wind and Diesel Generator based microgrid	Ravi C. Bhavsar Rakeshkumar A. Patel	Virtual
6	175	Soft Computing for Fault Diagnosis in DC Microgrids: A Smart Technology Perspective	Ashish Shah Kalpesh Chudasama	Virtual

Details of track coordinators		
Name	Mobile No.	
Prof. Paresh R. Modha	9998567827	







"Synergetic Development through Smart Technologies & Digital Transformation-2025 (SDSTD2025)" 25-26 June, 2025

Schedule for Paper Presentation

Track Name: Electrical, Electronics and Communication Engineering

Session No. : 2 Date : 25/06/2025 Time : 4.15 to 6.00 pm

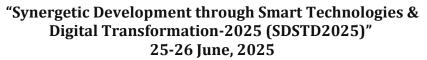
Venue: K S Patel Seminar Hall, GCET

Sr. No	Manuscript ID.	Title of the Manuscript	Name of Authors	Mode of Presentatio n
1	54	Urban Area Classification Using an Enhanced U-Net Architecture for High-Resolution Satellite Imagery up to Level-3	Dr. Hetal N. Patel, Vishal Ramanlal Nagar, Gaurav Jain, Shashikant Sharma	Offline
2	189	Graphene based Wideband Fractal Antenna for Wireless Applications	Dr. Ronak Vashi , Dr. Anish Vahora	Offline
3	213	Beam Steering Antenna Technologies: A Comprehensive Review of Techniques, Challenges, and Emerging Trends	Vishalkumar J. Chauhan, Pravin R. Prajapati	Offline
4	206	Design and Development of IoT Enabled Turbidity Monitoring System	Bhaskar Thakker, Ritesh Patel, <u>Krutik</u> <u>Patel. Prushti</u> <u>Lathiya</u>	Offline
5	179	AI-Based Companion Robot for Emotional Support and Independent Living	Khushmeet Patil, Mehul Thakkar, Keya Sheth, Nehal Fulbariya	Offline
6	204	GAN-RFDETR: A Dual-Challenged Face Detection Framework for low-light and occluded environments	Sneha Sarvaiya, Mansi Joshi and Hetal Patel	Offline
7	229	Enhanced Preprocessing Techniques for Raw EEG Signals: A Comparative Study on Bonn, CHB-MIT, and IIT Delhi Epilepsy Datasets	Ghansyamkumar Rathod. Dr. Hardik Modi	Offline
8	190	Semantic Segmentation of Urban Buildings Up to Level-3 Using YOLOv11 for Satellite Images	<u>Iigar A. Soni,</u> Hetal Patel	Offline

Details of track coordinators				
Name	Mobile No.			
Dr. Bhaskar Thakkar	9574383265			
Dr Mehul Thakkar	9033569124			



on





Schedule for Paper Presentation

Track Name: Food Processing and Dairy Technology, Chemical and Civil Engineering

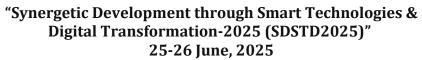
Session No. : 1 Date : 26/06/2025

Time: 9.30 am to 11.00 am Venue: Room No 141 ADIT

Sr. No.	Manuscript ID.	Title of the Manuscript	Name of Authors	Online/Offline
1	24	Characterization of Black Wheat Grain and It's Flour	Aishwarya Paranjape, <u>Anil Nandane</u> , Ajay Tapre	Offline
2	18	Computational Fluid Dynamics Simulation of Convective Airflow and Thermal Behavior in Vented Tomato Containers	Arpit R. Badani, Shivamurti Srivastava	Online
3	157	Advancing Sustainable Solutions: Use of Plant Based Waste for Eco-Friendly Container Development	Foram D. Sirodariya, Ajay R. Tapre and Anil Nandane	Online
4	221	Effect of Germinated, Fermented and Roasted Barnyard Millet on the Quality Attributes of Noodles	Ritika B. Yadav, Deeksha Bhukkal, Jyoti Narwal, Baljeet Singh Yadav	Online
5	231	Utilization of Black wheat flour, Ragi flour and Ashwagandha powder for the value addition of Traditional Recipe "Litti"	Tripti Verma, Alka Gupta, Shubhra Singh, Ragini Mishra, Shweta Sachan	Online
6	107	Comprehensive Evaluation of Electrohydrodynamic Drying on Turmeric Rhizomes: Structural, Physio-Chemical, and Kinetic Perspectives	Monarch Shah, Shivamurti Srivastava	Offline
7	42	Harnessing the Health Benefits of Fruits and Herbs: A Review of Natural Supplements	Archa Shah and Shivamurti Srivastava	Offline

Details of track coordinators			
Name Mobile No.			
Dr. Kshitiz Kumar	8222861889		







Schedule for Paper Presentation

Track Name: Food Processing and Dairy Technology, Chemical and Civil Engineering

Session No.: 2 Date: 26.06.2025

Time: 11.30 am to 1.30 pm Venue: Room No 141 ADIT

Sr.	Manuscript	Title of the Manuscript	Name of Authors	Online/Offline
No.	ID.			
1	39	Emerging Technologies in Smart Packaging System: Freshness Indicators of the Food for an Improved Food Safety Approach	Mrudula Guggilla, Vijay Kele, Aprna Sharma & Ashwini Mugale	Offline
2	96	Modelling and Validation of Heat Pump Assisted Drying Kinetics of Grapes Using Artificial Neural Networking (ANN)	Misra S.K. and Joshi D.C.	Offline
3	113	Development of carboxymethyl cellulose – nanoclay composite based mango peel incorporated biodegradable packaging film	Pravin M. Ganorkar, Disha Patel, Khushbu Kapatel, Neel Patel	Offline
4	79	Caffeine-Fortified Foods and Beverages for Attention-deficit/hyperactivity disorder Support: A Review of Innovations and Evidence	<u>Bhaswati Das</u>	Offline
5	83	Formulation and Sensory Evaluation of Onion and Moringa Paste Incorporated Papad	<u>Sakshi Mishra</u>	Offline
6	233	Forest Fruits in Focus: A Review of Bael (Aegle marmelos) and Ber (Ziziphus mauritiana) for Nutritional, Medicinal, and Post-Harvest Applications	Deep P. Patel	Offline
7	127	Effectiveness of Ultrasound Pretreatment on Convective Hot Air Drying of Food Products: A Short Review	Mayur Mukesh Chaudhari, <u>Rajeev</u> <u>Kumar</u> , <u>Kshitiz Kumar</u>	Offline
8	230	Unveiling nutritional potential, health benefits and value addition of proso millet: A review	Mayank G. Soni, Anant S. Kulkarni	Offline

Details of track coordinators		
Name	Mobile No.	
Dr. Kshitiz Kumar	8222861889	



"Synergetic Development through Smart Technologies & Digital Transformation-2025 (SDSTD2025)" 25-26 June, 2025



Schedule for Paper Presentation

Track Name: Information Technology & Computer Engineering

Session No.: 1 Date: 25/06/2025 Time: 4.15 pm to 06.00 pm

Venue: MBIT College - B105

Sr. No.	Manuscript ID.	Title of the Manuscript	Name of Authors	Online/Offline	
1	20	A Comprehensive Survey and Comparative Analysis of Deep Learning Approaches for Face Mask Detection	Jiya Roy, <u>Foram</u> <u>Tarsariya,</u> Dhaval J Thaker	Online	
2	22	Sustainable Fashion Classification Using AI-Based Machine Learning Model	<u>Riya Singh</u> , Nensi Maniya, Dhaval J Thaker	Online	
3	52	Psychological Impacts of Deepfakes Understanding the Effects on Human Perception, Cognition, and Behavior	<u>Tejas Patel</u> , Harsh Kantawala	Offline B105-MBIT	
4	64	Sign Language Recognition by hand gestures, using AI and Deep Learning	Prof. Rahul Patel, Prof. Kush Patel, Prof. Komal Rohit	Offline B105-MBIT	
5	73	Real-Time Anomaly Detection in Edge Computing: Challenges, Approaches, and Future Directions	<u>Sreeja P</u> , Ankita Chauhan, Dipti Mathpal.	Offline B105-MBIT	
6	76	A Review on Traffic Surveillance System and Classification	Mr. Atmiya Patel, Dr. Jayna Donga, Dr. Vatsal Shah	Offline B105-MBIT	
7	210	A Comprehensive Review on Sketch to Image Generation Task: Techniques, Datasets and Metrics	Nrupesh Shah , Dr. Sanjay Patel	Online	
8	247	Crop And Weed Detection Semantic Segmentation	VAIBHAV DHORE	Online	
9	99	Vehicle Detection, Classification and Counting	<u>SALONI</u> <u>UMESHKUMAR</u> <u>PATEL</u>	Offline B105-MBIT	
10	101	A Comparative Study of YOLOv5 and YOLOv7 Algorithms for Object Detection: Focus on detection of Balls and Silos	Dr. Jay Vala , Harshal Kathiriya, Tapan Khanpara, Harshit Variya, Jeel Kukadiya	Offline B105-MBIT	
	Details of track coordinators				
		Name	Mobile		
		Dr Trilok Suthar	971294	13414	



"Synergetic Development through Smart Technologies & Digital Transformation-2025 (SDSTD2025)" 25-26 June, 2025



Schedule for Paper Presentation

Track Name: Information Technology & Computer Engineering

Session No.: 2 Date: 25/06/2025 Time: 4.15 pm to 06.00 pm

Venue: MBIT College - B113

Sr. No.	Manuscri pt ID.	Title of the Manuscript	Name of Authors	Online/Offline
1	137	YOLO based Lane and Object Detection for Intelligent Transportation System using Hybrid Approach.	Prof. Mayurkumar B. Ajmeri, Prof. Anjali J. Rajput, Prof. Himani K. Joshi, Dr. Krunalkumar N. Patel	Offline B113-MBIT
2	140	Deep Learning for Road Accident Severity Prediction: A Structured Review of Techniques and Taxonomies	<u>Mittal Darji</u> , Nikhil Gondaliya	Offline B113-MBIT
3	143	Estimating Pre-Diabetes Using Non-invasive Methods	Shrey Patel, Dr. <u>Maulika Patel</u>	Offline B113-MBIT
4	165	Early Diagnosis of Neurodevelopmental Disorder Autism Spectrum - A Review	<u>Prof. Riddhi Shukla,</u> Dr. Bhagirath Prajapati	Offline B113-MBIT
5	174	The Role of Artificial Intelligence and its Subdomains in Enhancing Decision Making for Business Operations: A Comprehensive Study.	<u>Shaan Thakkar, Miral</u> <u>Desai,</u> Khyati Mehta	Offline B113-MBIT
6	185	The Role of Machine Learning in the Modern Age: A Comprehensive Review of Current Application and Trend	<u>Mansi Sheth</u> , Pankaj Dixit	Offline B113-MBIT
7	191	Intelligent Fuzzy Control System for Autonomous Healthcare Assistive Robot Navigation	DR. NARENDRASINH C CHAUHAN, Dr. HARDIK SHAH	Offline B113-MBIT
8	197	OpFusionNet: A Deep Learning Framework for Malware Family Classification via Hybrid Opcode Feature Fusion	<u>Mali Nayankumar</u> <u>Mahendrakumar</u> , Dr. Narendrasinh C Chauhan	Offline B113-MBIT
9	84	Power of Artificial Intelligence on 6G Network: A Thorough view on History, Present and Future	Keyur J Patel , Jitiksha A Patel, Hemanshu A Patel	Offline B113-MBIT
10	92	A Survey on Energy-Efficient Resource Management in IoT Networks: Techniques, Trends, and Challenges	Anandkumar Pandya, Nirali Anand Pandya	Offline B113-MBIT

Details of track coordinators			
Name Mobile No.			
Dr Krunalkumar N Patel	9925789238		



"Synergetic Development through Smart Technologies & Digital Transformation-2025 (SDSTD2025)" 25-26 June, 2025



Schedule for Paper Presentation

Track Name: Information Technology & Computer Engineering

Session No.: 3 Date: 25/06/2025 Time: 4.15 pm to 06.00 pm

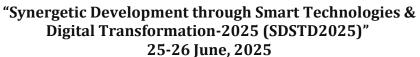
Venue: Room No B110, MBIT

Sr.	Manuscript	Title of the Manuscript	Name of Authors	Online/Offline
No. 1	ID. 028	Enhancing Blood Glucose Prediction with Deep	<u>Jagruti Prajapati</u> ,	Offline
		Learning Models: A Focus on BiLSTM Model	Keyur Brahmbhatt	B110-MBIT
2	081	Deep Learning-Based Solanaceae Plant Disease Detection using Transfer Learning with ResNet-50	<u>Ishita Theba</u> , Sudhir Vegad	Offline B110-MBIT
3	78	CNN-LSTM Hybrid Models for Temporal Anomaly Detection in Surveillance Videos	Kinjal Joshi, Maulika Patel, Garvil Shah, Henil Patel,	Offline B110-MBIT
4	124	Automated Full-leg Landmarks Classification on CT-scans for Accurate Preoperative Sizing in Joint Replacement Surgery	Tirth Jasoliya Rinal Patel Sanjay Dabhi	Offline B110-MBIT
5	203	A Survey on Generalizable Deep Learning Models for Multi-Species Plant Disease Detection	Komal Rohit, Kush Patel, Miral Patel	Offline B110-MBIT
6	155	YOLO-Based Approaches for Vehicle Detection in Indian Driving Conditions: A Comparative Analysis	Ankita Chauhan Dipti Mathpal, Sreeja P Rohit Parmar Sudhir Vegad	Offline B110-MBIT
7	200	Efficient Classification of Skin Lesions using Transfer Learning Approaches	Nandan Patel Nirjari Bhatt Namrata Dave	Offline B110-MBIT
8	106	Credit Card Fraud Detection Using Artificial Intelligence – A Review	<u>Chandni Patel</u> Monika Patel	Online B110-MBIT
9	167	Emerging Trends and Advanced Techniques in Recommender Systems: A Comprehensive Review	Nitinkumar Mukeshbhai Raval Dhaval A Parikh	Online B110-MBIT
10	053	Optimized Vision-Language Large Models for Dermatological Diagnosis: A Comprehensive Review	Shivangi Matieda, Bhagirath Prajapati	Online B110-MBIT

Details of track coordinators			
Name	Mobile No.		
Dr Kinjal Joshi	9924692719		



on





Schedule for Paper Presentation

Track Name: Information Technology & Computer Engineering

Session No.: 1 Date: 26/06/2025 Time: 11:30 am to 1.00 pm

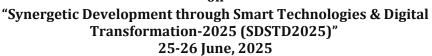
Venue: Room No- D003, MBIT

Sr. No.	Manuscript ID.	Title of the Manuscript	Name of Authors	Online/Offline
1	214	Quantum-Resilient Game Theory: A Hybrid	Anjali Rajput	
1	214	Consensus Framework for Mitigating Sybil	Mayur Ajmeri	Offline
		Attacks in Post-Quantum Smart Contract	Himani Joshi	D003-MBIT
		Blockchains	Nayan Mali	DOOD MIDIT
2	232	IoT-Driven Deep Learning System for Real-	Krish Ramoliya,	Offline
		Time Wildfire Detection	Mehul Shah	D003-MBIT
3	245	Reconstruct and Reflect: Self-Supervised	<u>Prof. Kush</u>	Offline
		Learning for Robust Image Denoising-	Patel , Prof.	D003-MBIT
		Review	Dhara Solanki,	
			Prof. Vrutika	
	244		Kachhiya	O COL
4	244	Automated Periodontal Disease Diagnosis	Rupali Shinde,	Offline
		Using Deep Learning: Overcoming Class	Sheetal Shende	D003-MBIT
		Imbalance with ResNet Architectures		
5	235	Advances in Privacy Preservation	Tejas Patel	Offline
		Techniques for Healthcare Data Mining: A	Krunalkumar	D003-MBIT
		Review of Challenges, Innovations, and	Narendrabhai	
		Future Trends	Patel	
6	248	Optimized Multi-UAVs Deployment in	Gayathri R	
		Virtual Environment using Game Theory	P Sri Varshitha	D003-MBIT
			Shiva Sai Krishna	
	101		B P Nagasai	
7	136	Navigating Blockchain's Role in Healthcare:	<u>jayshree</u>	Online
		Comprehensive Analysis of Application and	<u>Parmar</u>	D003-MBIT
		Challenges in Electronic Medical Record	Anu Chauhan	
			Jignasha Vishal	
8	044	Blockchain for Ayurvedic Medicine	Parmar Neeraj A K,	Online
0	U 44	Traceability	Sreeja P	D003-MBIT
9	021	Apache Iceberg: Revolutionizing Data Lake	Tushar Gohil,	Online
	021	Management with Open Table Formats	Ashish Kharvar	D003-MBIT
L	_1	Tranagement with open rable rollings	TIGHT THICK YOU	D000 1.1D11

Details of track coordinators		
Name	Mobile No.	
Dr Kinjal Joshi	9924692719	



on





Schedule for Paper Presentation

Track Name: Information Technology & Computer Engineering

Session No.: 2 Date: 26/06/2025 Time: 11:30 am to 01.00 pm

Venue: D004, MBIT

Sr.	Manuscript	Title of the Manuscript	Name of Authors	Online /Offline
No.	ID.	-		Online/Offline
1	16	Machine Learning in Knee Osteoarthritis Diagnosis: Current Techniques, Challenges, and Future Prospects	Mohit Saini, Trilok Chand	Online D004-MBIT
2	17	A Deep Dive into Machine Learning Models for Optimizing Wearable Stress Monitoring	Ishaan Garg, Amandeep Kaur, Manish Kumar	Online D004-MBIT
3	27 NR	Automated Helmet Detection for Two- wheelers to prevent Accidents	Sneha Raval, Khushi Donda, Shreya Tundiya, Shreyansh Donda, Dhaval J Thaker	Offline D004-MBIT
4	30	Enhanced Energy Consumption Forecasting Using Optimized LSTM Networks	Jigna A. Patel	Online D004-MBIT
5	43 NR	Integrating Deep Learning and Classical Machine Learning for Enhanced Automated Short Answer Grading – A Survey	Harshad Chaudhary, Dr. Manish Patel	Offline D004-MBIT
6	46	Automated Attendance System Using Facial Recognition Techniques: A Hybrid Deep Learning Approach	Rishi H. Oza, Mittal C. Darji	Online D004-MBIT
7	51	Enhancing Aerial Surveillance near Indian Borders Using Cascade R-CNN for the Identification of Unmanned Aerial Vehicles	Dr. Jayandrath R. Mangrolia	Offline D004-MBIT
8	58	Hybrid Privacy Techniques: T-Closeness and Paillier Encryption	Jignasha Vishal Parmar, jayshree Parmar, and Anu Chauhan	Online D004-MBIT
9	215	Automatic Image Captioning using Deep Learning : A Review	Khushali Patel Jinal Bhagat	Offline D004-MBIT
10	82	Deep Learning-Based Feature Extraction for Robust Multi-Model Remote Sensing Image Registration	Kinjal Pamar, Sudhir Vegad	Offline D004-MBIT

Details of track coordinators		
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Dr Pritesh Pandey	9426331176	



"Synergetic Development through Smart Technologies & Digital Transformation-2025 (SDSTD2025)" 25-26 June, 2025



Schedule for Paper Presentation

Track Name: Information Technology & Computer Engineering

Session No.: III Date: 26/06/2025 Time: 11:30 am to 01.00 pm

Venue: B003-3, MBIT

Sr. No.	Manuscript ID.	Title of the Manuscript	Name of Authors	Online/Offline
1	95	Natural Question Generation using Natural Language Processing – A Summary Paper	Nidhi Parmar, Prachiba Raol, Glace Babu, Awadh Kishor Singh	Online D003-3-MBIT
2	98	Combating Misinformation with AI: A Dual Approach Using NLP for Fake News and Computer Vision for Deepfake Detection	Axit Jaykumar Kachhia, Dr. Bhagirath Prajapati	Online D003-3-MBIT
3	104	YOLOSense: Real-Time Waste Sorting in Healthcare Environments Using Depth- Enhanced Object Detection	Krisha Mangukiya, Dhruv Jani, Vinita Shah	Offline D003-3-MBIT
4	108	AI-driven High-Resolution Image Classification for Land Use/Land Cover: techniques, challenges and trends	<u>Jayesh Dhanesha</u> , Sweta Panchal	Online D003-3-MBIT
5	128	Deep Learning in Histopathology: Advances in Breast Cancer Histological Subtype Classification	<u>Vinita Shah</u> , Miral Patel	Offline D003-3-MBIT
6	141	Development of an IoT Security Testbed with Integrated Attack Simulation and Explainable Threat Detection Framework	Priyang Bhatt , Falgun Thakkar	Offline D003-3-MBIT
7	150	A Study on AI-Driven Smart Farming: Integrating IoT and Deep Learning for Sustainable Agriculture	Awadh Singh, <u>Nitin</u> <u>Patel,</u> Hinaxi Patel, Prashant Arya	Offline D003-3-MBIT
8	163	A Review Paper on Integration of Machine Learning with Data Mining Techniques in Smart Manufacturing systems	Ashvinkumar Rameshbhai Prajapati, Dr. Dhaval A Parikh	Online D003-3-MBIT
9	184	Revolutionizing Supply Chain Management with AI and IoT: Enhancing Efficiency, Transparency and Customer Satisfaction	Ami A Raj, Alpesh Raj	Offline D003-3-MBIT
10	188	Smart Technology and Digital Transformation for Heart Disease Prediction	Jay Hitesh Kumar Pandya, Sanjay Patel, Mahek Gohil	Online D003-3-MBIT
11	212	A Comprehensive Review of Coral Bleaching Detection Techniques Using Image Processing	<u>Jinal Bhagat</u> , Khushali Patel	Offline D003-3-MBIT

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Dhruval Kachhia	90339 72374	



"Synergetic Development through Smart Technologies & Digital Transformation-2025 (SDSTD2025)" 25-26 June, 2025



Schedule for Paper Presentation

Track Name: Mechanical, Mechatronics, Automobile, Automation & Robotics

Session No.: 01 Date: 25/06/2025 Time: 4.15 pm to 6.00 pm

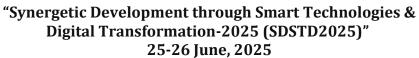
Venue: Room No.: 314, ADIT College

Sr. No.	Manuscript ID.	Title of the Manuscript	Name of Authors	Online/Offline
1	151	Design and Development of a Mechatronics System for Autoloading of Heavy Workpieces for a Medium scale Gear Manufacturing Unit	Ketan Tamboli , Bhavesh Hindocha, Saurin Sheth, Sanjiv Rajput	Offline
2	156	Numerical Modeling of MWCNT- Reinforced Polymer Nanocomposites Using Material Designer in ANSYS Workbench	Umang B. Jani , Bhavik A. Ardeshana, Ajay M. Patel, Jalpa B. Ardeshana, Digant H. Raval	Offline
3	160	A Comprehensive Review on Electrical Discharge Machining and Geometric Dimensioning & Tolerancing of Ferrous Metal Matrix Composites	<u>Hemant Rathod,</u> <u>Saurin Sheth</u>	Offline
4	196	Artificial Intelligence for Industrial Management	<u>Dr. Vivek</u> <u>Deshpande</u> , Dr. Hemant Thakkar	Offline
5	220	Design and Validation of a Multi- Degree-of-Freedom Alignment Fixture for Hydrocarbon Piping Applications	<u>Vraj A. Hingu</u> , Sachin R. Makwana	Offline
6	205	Review and Exploration of Helical Torsion Spring Failure in Dual Plate Check Valve	<u>Jigisha Thakker,</u> Hemant Thakkar	Offline
7	249	Sorting of fruits using machine vision system	Radhakanth Joshi , Deivanathan R	Offline
8	72	Electric Vehicle Market Trends in India: A Comprehensive Review & 2025 Perspective	Satyavrat P Patel, Sanjay M. Patel, Samarth J Shelat	Offline

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Dr. Ajay Patel	9427037011	
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Simit Prajapati	9898408940	



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Schedule for Paper Presentation

Track Name: Mechanical, Mechatronics, Automobile, Automation & Robotics

Session No. : 02 Date : 25/06/2025

Time: 4.15 pm to 6.00 pm

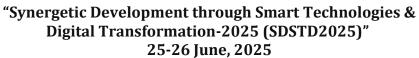
Venue: Room No.: 315, ADIT College

Sr. No.	Manuscript ID.	Title of the Manuscript	Name of Authors	Online/Offli ne
1	8	A Technical review of software analysis of welding process for composite material parts	<u>Dr. Pratik Kikani,</u> <u>Dr. Sagarkumar Shah</u>	Offline
2	25	Revolutionizing Gas Metal Arc Welding: A Comprehensive Review on the Transformative Potential of Activated Flux	<u>Dhruv Shailesh</u> <u>Gosani</u> , Pratik T Kikani	Offline
3	29	Expert System-Based Selection of Carbide Tools for CNC Turning	<u>Ruchir J. Desai .</u> Vaishal J. Banker, <u>Dr. Ronak R. Shah</u>	Offline
4	48	Design and Analysis of a Hydrostatic Bearing Using CAD and FEM Simulation	Vaishal J. Banker, Dr. Ayanesh Y. Joshi, Sankalp B. Bhatiya, Harsh B. Joshi, Krunal J. Shah	Offline
5	152	Shape-Shifting Manufacturing: The Rise of Smart Materials and 4D Printing	Akhil H. Katakpara, Tejas R Prajapati, Krunal J. Shah Dr. Yashavant D. Patel	Offline
6	68	Data to Smart Decisions: A Power-BI driven approach to unlock Actionable Insights from Excel files	<u>Dev Shelat</u>	Offline
7	168	Thin-layer Drying Kinetics of Jamun slices and Modelling	Simit Prajapati , Mitesh Shah and Shivamurti Srivastava	Offline
8	250	Comparative Study on Effects of Cutting Parameter Using CNMG Inserts from Different Manufacturers in Dry Turning of SS410	<u>Dr. Ayanesh Y Joshi,</u> <u>Panchal Bhavin</u> <u>Kumar</u>	Offline

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Schedule for Paper Presentation

Track Name: Mechanical, Mechatronics, Automobile, Automation & Robotics

Session No.: 03 Date: 26/06/2025 Time: 11.30 am to 01.30 pm

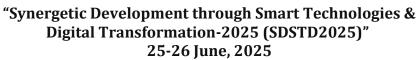
Venue: CAD Lab, ADIT

Sr. No.	Manuscript ID.	Title of the Manuscript	Name of Authors	Online/Offline
1	63	Effect of Biomass Supply Rate on Hydrogen Content of the Syngas and Performance of the Circulating Fluidized Bed Gasifier	Maharshi Thakkar, Dr. Vishal Singh, Bhaumik Sheth	Offline
2	69	A Comparative Study on Diesel Engine Performance and Emissions Using Co-Pyrolysis Derived Bio-Oil from Biomass and Plastic Waste	<u>Hitesh L. Jadav</u>, Dr. Nimit Patel	Offline
3	36	Tribological Effect of Surface Texturing on Piston - Piston Ring Assembly : A Review	<u>Sujalkumar</u> <u>Thakkar,</u> Nimit Patel	Offline
4	57	Driver Stress Detection in Automotive Systems: A Comparative Review of Technologies and Their Impact on Road Safety	<u>Yagnesh</u> <u>Gambhava</u> , Dr. Gajanan Patange	Offline
5	187	Emerging Trends in Predictive Maintenance for Electric Vehicle Batteries and Internal Combustion Engines A Review	Digant Hemant Raval, Dr. Ajay M Patel, Dr. Bhavik Ardeshana, Umang Jani, Purnank Bhatt	Offline
6	50	To Evaluate the Enhancement in Thermophysical Properties of Nano-Enhanced Phase Change Material Using the T-History Method	<u>Ivalant Trivedi</u> , Aditya Bais, Dr. Mitesh shah	Offline

Details of track coordinators		
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on





Schedule for Paper Presentation

Track Name: Mechanical, Mechatronics, Automobile, Automation & Robotics

Session No.: 04 Date: 26/06/2025 Time: 11.30 am to 01.30 pm

Venue: IDEA Lab, ADIT

Sr. No.	Manuscript ID.	Title of the Manuscript	Name of Authors	Online/Offline
1	34	Sustainable Fuel Development: Conversion and Characterization of Waste Plastics into Environmentally Friendly Alternative Fuel	Samarth Jayeshbhai Shelat, Sanjay Maganlal Patel, Paresh D. Patel, Nimit M. Patel	Offline
2	125	Advancements in vehicle aerodynamics: A comprehensive review of emerging technologies in Automotive Engineering	Sanjay Maganlal Patel, Raaghav Patel , Samarth Jayeshbhai Shelat	Offline
3	126	India's Electric Vehicle Journey: Key Trends and What Lies Ahead in 2025	Satyavrat P Patel, Dr. Sanjay M. Patel	Offline
4	93	A Combined Analytical and Numerical Approach to Pulse Tube Cryocooler Design	<u>Sanjiv Rajput.</u> Dr. Vishal N. Singh	Offline
5	59	A Pilot Investigation into the Impact of Algae-Derived Biodiesel on CI Engine Performance and Sustainability	Kalpesh Vaghela , Dr. Sanjay Patel	Offline
6	251	Enhancing Clean Cooking: Material-Based Performance Assessment of an Improved Biomass Stove	Kinnari Modi, Darshit S Upadhyay, Amita Chaudhary, <u>Niraj</u> <u>Shah</u>	Offline
7	252	Development of energy efficient sustainable bricks employing waste material and drying process	Niraj Shah , Sanjay Jain, Tejas Joshi, Heet Shah, Het Shah	Offline

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Dr. Ajay Patel	9427037011
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