



2nd Joint International Conference on Innovative Engineering Technologies (ICIET), 2025

24-25
May, 2025

Ningxia University,
China

11-12
September, 2025

KITCoE, Kolhapur,
Maharashtra, India

*"Fostering Educational Excellence
via Digital Innovation".*

About KIT, India



The Kolhapur Institute of Technology's College of Engineering Kolhapur stands as a premier Empowered Autonomous Institution Affiliated to Shivaji University, Kolhapur, Maharashtra, India. It was established in 1983 by a cadre of visionary leaders.

Grants from Governments for setting Mayura AICTE IDEA Lab, NIDHI i-TBI, Maharashtra State Innovation society (MSInS) helped to create startup ecosystem in the region. KIT with European Union has organized various mobilities to support education, training in the countries viz. Denmark, Poland, Spain, Thailand, and Bulgaria.

About SJTU, China



Shanghai Jiao Tong University (SJTU) is one of the famous institutions of higher learning with the longest history and reputation at home and abroad. It is a national key university directly under the Ministry of Education and jointly built with Shanghai Municipality. After 128 years of unremitting efforts, Shanghai Jiao Tong University has become a domestic first-class and internationally renowned university, and further defined the vision on constructing a "comprehensive, innovative and international" world-class university.

ICIET-2025 Programme

11th September 2025 THURSDAY(Day-1)					Location: MEGH MHALAR HALL	
08:30-09:30 am	Registration Desk					
09:30-10:30 am	Inauguration					
10:30-11:00 am	Tea Break					
SESSION-1: Session Chair - Dr. Binta Wu (Ningxia University, China) & Dr. R. H. Goudar (VTU, Belgavi)						
11:00-13:30 pm	CS114	Mr Pandit B Shinde	Research Scholar BITU Imphal Manipur	Optimized Solutions For Fully Linear Programming Problems Using Z Numbers A Novel Computational Approach		
	CS132	Poonam Ajit Ghule	Symbiosis Institute of Computer Studies and Research	Optimizing Television Audience Forecasting and Recommendations		
	CS134	Shubhangi AnandraoKashid	N K Orchid College of Engineering and Technology Solapur	Investigation and Implementation ofFacial Expression Recognition using LBP features and three different Classifiers		
	CS121	Sharada Vikram Chougule	Finolex Academy Ratnagiri	Personalized Job Recommendation System Using NLP and Transformer Models		
	CS110	Abhishek Abaso Patil	Ashokrao Mane Group ofInstitutions	Blockchain in EV Energy Trading A Review of Consensus Mechanisms for Fast and Secure Transactions		
	CS113	Meenakshi Prashant Patil	D Y Patil Agriculture and Technical University Talsande Kolhapur	Enhancing Sugarcane Disease Management through Deep Learning Technologies		
	CS124	Vishal Harishchandra Pundikar	Shivaji University Kolhapur	Usability Evaluation of Web Based Open Educational Resources in India		
	CS127	Avinash Pratap Budaragade	KITCOEK	A Comprehensive Review ofMedical Image Segmentation Techniques Challenges and Future Directions		
	CS133	Shravani ShahikantShelake	KITCOEK	Multilingual Translation and Prediction ofRisk and Opportunity for Industrial Application Using Sentiment Analysis		
	CS120	Meena Sarvade	YASHVANTRAO CHAVAN COLLEGE OF SCIENCE KARAD	RAIN FALL PREDICTION USING WEATHER SATION DATA		
Lunch Break						
SESSION-2: Session Chair - Dr. Animesh Mandal, IIT Kharagpur						
14:30-17:00 pm	CK201	Kishor S. Joshi	Manipal Institute ofTechnology	Investigation ofStrength Variation in Composite Material with MWCNT Dispersion in Bio-Based Epoxy		
	CK202	Kondhalkar Ganesh Eknath	Bir Tikendrajit University	Fault diagnosis and health management ofbearings in rotating equipment based on vibration analysis		
	CK210	Manoj Prakash Bauskar	Bir Tiekndrajit University	Experimental Computation ofDimensional Accuracy ofUHMWPE Part produced by Single Incremental forming		
	CK203	Akshay M. Kulkarni	K. E. Society's, Rajarambapu Institute ofTechnology	Study ofDynamic Characteristics ofRolling Element bearing with local defect under various load conditions		
	CK204	Sharadchandra S. Patil	K. E. Society's Rajarambapu Institute ofTechnology	Numerical analysis ofCylindrical Roller Bearing ofDual Rotor System using Finite Element Analysis		
	CK205	Prajakta Pritam Desai	Sanjay Ghodawat University	Surface Roughness characteristics ofNovel 3D-Printed PLA Biocomposites Reinforced with Acacia		
	CK207	Pravin. S. Gosavi	KITCOEK	Fatigue Performance analysis of3D - printed Polylactic Acid: Toward structural optimization		
	CK213	Sawan Wani	Shivaji University, Kolhapur	Design Optimization and Thermal Analysis ofFins on a heat sink for effective cooling of electronic appliances		
	CK 212	Pravin. S. Gosavi	KITCOEK	Finite Element Simulation for Vibration Studies ofDeep Groove Ball Bearing with Single Outer Race Defect		
17:00-17:30 pm	High Tea					

11th September 2025 THURSDAY(Day-1)				Location: MARWA HALL -I	
SESSION-3: Session Chair - Dr. Pin Ma (Ningxia University, China) & Dr. Ranjana Nadagoudar (VTU, Belgavi)					
11:00-13:30 pm	CS135	Sandeep Gajanan Sutar	Srinivas University, Mukka, Surathkal, Mangaluru, Karnataka	Privacy Preserved Integration of Cloud Computing into Automated and Digital Manufacturing Systems Using Homomorphic Encryption: A Comprehensive Framework	
	CS137	Tukaram Ugile	VIIT Pune	Multi Modal Transformers A New Era of Vision Text Graph Integration	
	CS145	Laxmi Pujari	KLE Institute of Technology Hubballi,	JurisSummarizer: AI and NLP-Driven Legal Document Summarization System for Abstractive Analysis and Key Insight Extraction	
	CS160	LAXMI PUJARI	KLE INSTITUTE OF TECHNOLOGY HUBBALLI	MEDICURA AI SMART HEALTH COMPANION FOR PATIENTS AND PROFESSIONALS	
	CS141	Prachi Mahavir Patil	KITCoEK	Phishing Website Detection using Machine Learning	
	CS138	Shreya Chavan	KITCOEK	Bridging Technical and Mental well being A Novel Coding Platform for Critical Thinking	
	CS147	JAMBUKESHWAR PUJARI	KITCOEK	A Deep Learning Model for Red Chillies Classification	
	CS151	Sohel Sabkhan	KITCOEK	vision cart automatic billing system	
	CS152	Digvijay Kharade	KITCOEK	Terrain Recognition and Classification utilising RESNET	
	13:30-14:30 pm	Lunch Break			
SESSION-4: Session Chair- Dr. Sandeep Patil, I ² IT, Pune					
14:30-17:00 pm	CS180	Pradyumna K R	Christ University	Intelligent defect detection in FDM three D print using CNN	
	CS201	Devendra Anant Itole	Christ University	Facial Recognition Of Sketch Images In Forensic Laboratories	
	CS168	Vijaylaxmi Kochari	Gogte Institute of Technology Belagavi	Advanced Techniques for Hyperspectral	
	CS170	Samish N Kamble	Department of Technology Shivaji University	Machine Learning Driven Traffic Classification in SDN A Systematic Review and Open Challenges	
	CS162	Vinay Pradip Kamble	KITCOEK	Leveraging AI to Prevent Skill Atrophy and Enhance Cognitive Learning in Education	
	CS176	ABHAY AMOL PATIL	KITCOEK	Deep Learning Based Intelligent Agent for Women Safety A Predictive Threat Detection and Response System	
	CS192	Reecha Suryavanshi	KITCoEK	Synthetic Aperture Radar Image Colorization	
	CS193	Tejas Patil	KITCOEK	Intelligent Gearbox Monitoring and Fault Detection Using Ferrographic	
	CS194	Dayanand S	KITCOEK	AI Driven Smart Culinary System for Sustainable Meal Optimization	
	17:00-17:30 pm	High Tea			

11th September 2025 THURSDAY(Day-1)

Location: MARWA HALL-II

SESSION-5: Session Chair - Dr. K. Venkateswarlu, NAL, Bengaluru

CK235	Harshavardhana M	Christ University, School of Engineering and Technology	Validation of Transducer Simulation for Aerospace Applications: Modal and Harmonic Analysis
CK224	S. M. Darshan	Department of Mechanical Engineering, Christ University, Bengaluru, Karnataka, India	Intelligent Defect Detection in FDM 3D Printing Using Convolutional Neural Network (CNN) Models
CK227	Ajay B. Sutar	Bir Tikendrajit University, Manipur	Weight Optimization and Material Optimization for Conveyor Chain Link
CK215	Yogesh Patil	AISSMS Institute of Information Technology, Pune.	Enhancement of Mechanical and Swelling Properties in Plant-Fiber-Reinforced Novolac Composites through Maleic Anhydride Modification
CK217	Mahesh B. Nigade	Bir Tikendrajit University, Pune	Investigation Performance of 3 lobe Hydrodynamic Journal Bearing
CK222	Prabhakar M Bhovi	KLE Technological University	Influence of repetitive cogeneration and straightening on AA6061 AL alloy
CK232	Sudhindra Arali	VTU Belgavi	Comparative Performance Analysis of Air-Fuel Mixer (Carburetor) for Biogas-Operated Single Cylinder 4-Stroke SI Engine using Analytical and Computational Methods (CFD)
CK231	Indrajeet More	Rajarambapu Institute of Technology, Rajaramnagar	Dynamic Characteristics Diagnosis of the Multi-Fault Rotor Bearing System Considering Machine Learning
CK233	Amol Rabade	Department of Technology, Shivaji University, Kolhapur, Maharashtra,	Weeding Automation in Agriculture: A Systematic Review and Future
CK218	Pravin S. Gosavi	KITCOEK	Fault Diagnosis in Rotor-Bearing System Using Machine Learning through Vibration Analysis: A Comparative Study

11:00-13:30 pm

Lunch Break

13:30-14:30 pm

SESSION-6: Session Chair - Dr. Brij Kumar Dhindaw, IIT Bhubaneswar

CK237	Tarun Gattu	KLE Technological University Hubballi	Scheduling of Jobs and Autonomous Mobile robots with Utilization criterion towards the realisation of Line less assembly system
CK302	Ankita Ganapatrao Dhanashetti	Walchand Institute of Technology, Solapur.	Fault Detection and Monitoring for Solar Photovoltaic Plant Using Digital Twin
CK307	Amruta Dhanashetti	Nagesh karajagi Orchid college of Engineering, Solapur.	IOT based Efficient Solar Panel Management System
CK318	Amol Ramchandra Sutar	Finolex Academy of Management and Technology, Ratnagiri.	Enhanced Lithium-Ion Battery Modelling, A3 RC Equivalent Circuit Approach with MATLAB-Based Parameter Estimation.
CK334	Pravin G. Dhawale	Tatyasaheb Kore Institute of Engineering and Technology, Warananagar.	Integrating Advanced Materials and Machine Learning Solutions in Low-Power VLSI Circuits: Path to Future-Ready Devices
CK308	Swarali Mudrale	Yashoda Technical Campus Satara, Maharashtra	Advanced Integration of Circuits, Sensors, and Signal Processing for Next-Generation Biomedical Systems
CK312	Varadraj Jadhav	KITCOEK	Compensation for Power System Disturbances Using Distribution Static Compensator (D-STATCOM)
CK325	Aarti Chavan	KITCOEK	Infrared Image-Based Soil Nutrient Classification Using a Customized CNN with Vision Transformer Blocks
CK238	Dhananjay Patil	KITCOEK	Sol gel Synthesis of Tin Oxide (SnO2) nanoparticles using methanol solvent and its characterization

14:30-17:00 pm

High Tea

17:00-17:30 pm

Networking Dinner (Savaji Hotel)

7:30 pm onwards

12th September 2025 FRIDAY(Day-2)			Location: MARWA HALL-I	
SESSION-7: Session Chair - Dr. Brij Kumar Dhindaw (IIT Bhubaneswar)				
10:00–11:30 am	CK210	Manoj Prakash Bauskar	Bir Tickndrajit University	Experimental Computation of Dimensional Accuracy of UHMWPE Part produced by Single Incremental forming
	CK408	Juyee Rengde	COEP Technological University	Land Suitability Analysis for Town Planning Scheme: A case of Kolhapur
	CK403	Yogita Kandagaonkar	Tatyasaheb Kore Institute of Technology, Warananagar	Role of Sonolysis in Sustainable Ultrasound Assisted Wastewater Treatment
	CK406	Yash Jambhale	D.Y. Patil College of Engineering And Technology, Kolhapur	A Study of Recycled Asphalt Pavement
	CK407	Rohan Nalawade	KITCOEK	Review of lean techniques as a project scheduling risk management tool for construction projects
11:30–12:00 pm			Tea Break	
12:00–13:30 pm	CK419	Rashmi HR	KS School of Engineering and Management, Bangalore	Comparative analysis of transmission tower for different wind zones using E- TBAS
	CK409	Pranoti Raut	COEP Technological University	Impact Assessment of Transport Corridor and Industrial Growth on Land Use Land Cover Changes: A Case of Kolhapur District
	CK416	Suraj Shah	Symbiosis Institute of Geoinformatics (SIG), Symbiosis International (SIU), Pune	Sustainable Design with Building-Integrated Photovoltaics in Urban Architecture: Case Study
	CK415	Vijay Mane	Anantrao Pawar College Of Engineering (APCOER), Pune	Reviews of the bridge structure damage detecting method
	CK410	Saurabh Joshi	KITCOEK	Efficacy of Modified Wet Scrubber Systems for Air Pollution Control in India's Sugar Industry
13:30–14:30 pm			Lunch Break	
12th September 2025 FRIDAY(Day-2)			Location: MARWA HALL-II (Online)	
SESSION-8: Session Chair - Mr. Manish Kulkarni, N Vidia Corp, Santa Clara, California				
10:00–11:30 am	CS173	Manushri Tygai	Dept. of CSE, (of ASET) Amity University, Noida, India.	Script Degradation in Gujarati and Gurmukhi - A Review
	CS166	Somya Sharma	Amity University	CareCheck Lung Cancer Diagnosis System using AI and ML
	CS140	Abhay B Upadhyay	Silver Oak University, Ahmedabad.	Improving Short Term Rainfall Forecasting
	CS116	Sheetal Dhole	GOVERNMENT COLLEGE OF ENGINEERING AMRAVATI	NOVAHASH A Next Generation Optimized Versatile Advanced Secure Hash Algorithm
	CS149	SAPANA GIRISH BUWA	KITCOEK	Hybrid Spearman Rank Correlation and Machine Learning Framework for Real Time DDoS Detection in Distributed Networks
11:30–12:00 pm			CS157	Abhishek Arvind Patil
12:00–13:30 pm	CK304	Varsha Goudugolam	Cambridge Institute of Technology, KR Puram, Bengaluru-560036	Optimizing Deep Learning for Healthcare Monitoring A Systematic Review
	CK329	Sounyodip Choudhury	Institute of Engineering and Management, Kolkata	Tea Break
	CK317	Swathi Kumar	Cambridge Institute of Technology, Bengaluru, Karnataka.	Rbo Jack
	CK305	W Wiranchi	SDM College of Engineering and Technology, Dharwad.	Usage of LEACH protocol in Wireless Sensor Network for Battery Optimization
	CS187	Shruti Amit Chavan	KITCOEK	IOT Based Solar Powered Plant Monitoring System Using Soil and Weather Sensor
13:30–14:30 pm			Lunch Break	
15:00–16:00 pm			Valedictory Function, Venue: MARWA HALL.	

About NXU, China



Ningxia University, established in 1958, has experienced half a century's development and now becomes the key provincial comprehensive university run by both the Ministry of Education | and Ningxia Hui Autonomous Region after two mergers since 1997. In these years, Ningxia University has cultivated more than 70,000 qualified graduates in various fields and specialties, making great contributions to the local economic and social development.

About AGH University, Poland



The AGH University of Krakow, Poland is a modern university that actively participates in fostering a knowledge-based society and creating innovative technologies. University has a well-established position in the country and is recognized abroad. Our research activities span the fields of technical sciences, natural sciences, Earth sciences and social sciences, with an emphasis on current priorities of the economy and business, in such areas as digitization, energy transformation and zero emission economy, climate change, circular economy, and Industry 4.0. Among the many prospective research fields at the AGH University, research related to space engineering is being developed intensively.

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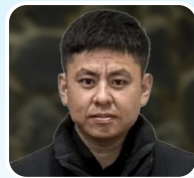


Prof. Jun Li
Shanghai Jiao Tong Univ., China

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