



Heritage Institute of Technology, Kolkata (HITK)
Presents



International Conference on Applied Algorithms (ICAA 2025)

Organized by

Computer Science and Engineering & Allied Departments

8th - 10th January 2025, Heritage Campus

Day 3 Session 1

10th Jan 2025, Swami Vivekananda Auditorium

Program Schedule

Invited Talk 1:

Time	Event	Details
09:30 AM – 10:30 AM	Invited Talk	Speaker: Prof. Samarjit Chakraborty Title of talk: <i>Dissecting Neighbor Discovery</i> Session Chair: Prof. Ansuman Banerjee
10:30 AM – 10:50 AM	Tea/Coffee Break	

Technical Session 1:

10:50 AM – 12:30 PM				
Technical Session - Track B Session Chair - Prof. Utpal Roy PID : 100 , 41 , 66 , 67 , 74				
Time	PID: Title	Author Names	Presenter Name	Mode
10:50 AM – 11:10 AM	100: MobileNet based Fruit Classification using UNet Generated Segmented Images: GRAD-CAM Visualization	Sahitya Mondal (Future Institute of Engineering and Management)*; Tapashri Sur (Future Institute of Engineering and Management); Diganta Sengupta (Heritage Institute of Technology); Chitrita Chaudhuri (Jadavpur University)	Sahitya Mondal	Physical
11:10 AM – 11:30 AM	41: Integrated Analysis of Voice Patterns and Semantic Features for Emotion Recognition	Bui Hieu (FPT University)*; Minh Son Cao (FPT University); Trung Dinh Tran (FPT University); Khanh Nam Tran (FPT University)	Van Hieu Bui	Online
11:30 AM – 11:50 AM	66: Creation of Cartoon Face Images of Celebrities: Automation	Dr. D. Guru (Mysore University); Shivaprasad D L (University of Mysore);	Prajna .S	Online

		Prajna S (University of Mysore)*		
11:50 AM – 12:10 PM	67: Deployable Solution for Real-Time Children Face Emotion Prediction System	Shivaprasad D L (University of Mysore)*; Dr. D. Guru (Mysore University); Kavitha R (JAIN (Deemed to be University))	Shivaprasad D L	Online
12:10 PM – 12:30 PM	74: Vision Transformers in Evaluating Bread Edibility	Dr. D. Guru (Mysore University); Nandini D (University of Mysore)*	Nandini D	Online
12:30 PM – 1:30 PM	Lunch Break			

Day 3 Session 2

10th Jan 2025, Swami Vivekananda Auditorium

Program Schedule

Invited Talk 2:

Time	Event	Details
01:30 PM – 02:30 PM	Invited Talk	Speaker: Prof. Gautam Das <i>Title of talk: Coping with Expensive Distance Oracles in Metric Space Proximity Problems</i> Session Chair: Prof. Sourav Chakraborty

Technical Session 2:

02:30 PM – 03:35 PM				
Technical Session - Track C				
Session Chair - Prof. Debranj Sarkar				
PID : 95, 50, 60, 65				
Time	PID: Title	Author Names	Presenter Name	Mode
02:30 PM – 02:50 PM	95: A Quadrant Partitioned-RRT* (QP-RRT*) Autonomous Agent	Aritra Saha (Heritage Institute of Technology)*, Saikat Roy (Heritage Institute of Technology)	Aritra Saha	Physical
02:50 PM – 03:05 PM	50: Analyzing Social Networks of Actors in Movies and TV Shows	Sarthak Giri (ION Group)*; Bikalpa Gautam (SIMTech); Sneha Chaudhary (ION Group)	Sarthak Giri	Physical
03:05 PM – 03:20 PM	60: SHIKSHA: Smart Hybrid Intelligent Knowledge System for Helping Academia	Aishik Paul (Heritage Institute of Technology)*; AbhisriShaha (Heritage Institute of Technology); Arijit Mukherjee (Heritage Institute of Technology); Debajit Guha (Heritage Institute of Technology);	Aishik Paul	Physical

		Priyam Das (Heritage Institute of Technology); Ankan Das (Heritage Institute of Technology); Anurina Tarafdar (Heritage Institute of Technology); Anindya Sen (Heritage Institute of Technology)		
03:20 PM – 03:35 PM	65: Integrating AI, IoT, and Drones for Sustainable Apple Orchard Monitoring in Society 5.0	Ankana Datta (Heritage Institute of Technology, Kolkata); Sukalpa Paul (Heritage Institute of Technology); Anidipta Pal (Heritage Institute of Technology, Kolkata); Sounav Biswas (Heritage Institute of Technology, Kolkata); Anil Bag (Heritage Institute of Technology)*; Diganta Sengupta (Heritage Institute of Technology)	Ankana Datta	Physical

Valedictory Session and High Tea:

Time	Event
03:35 PM – 04:00 PM	Valedictory Session
04:00 PM – 04:30 PM	High Tea