



# The 9<sup>th</sup> National Conference on Computer Vision Pattern Recognition Image Processing and Graphics



**NCVPRIPG 2024**

18<sup>th</sup> - 20<sup>th</sup> July

Indian Institute of Space Science and Technology- Thiruvananthapuram

## PROGRAM SCHEDULE



**TIH**  
iHub Drishti



**TECHSOL**  
Solutions reimagined



**NUGENIX**



**ASP**  
ALERO SOLARISTIC PRODUCTS



**FEDERAL BANK**



**DIGITAL  
CITY  
KERALA**  
Creating a responsible digital world



Jointly Organized by:



## DAY 1: July 18, 2024 (Thursday)

Time	Event		
07:30 - 08:30	Breakfast		
08:00 - 09:00	Registration (Venue: SAC, Recreation Room)		
09:30 - 10:45	Inauguration (Venue: MPH, SAC)		
10:45 - 11:00	Tea Break		
11:00 - 11:50	<b>Plenary talk:</b> Algorithms for Single Cell Data Analysis <i>Prof. Sanghamitra Bandyopadhyay, ISI Kolkata</i> (Venue: MPH, SAC)		
12:00 - 13:30	<b>Challenge:</b> Automatic Assessment of True/False Questions in Handwritten Answer Sheet (Venue: MPH, SAC)	<b>Challenge:</b> Smart City Surveillance: Unveiling Indian Person Attributes in Real Time (Venue: Avionics Swayam Prabha Hall)	Panel Discussion: AI4Health @ NCVPRIPG (Venue: Aerospace Conference Hall)
13:30 - 14:30	Lunch		
14:40 - 17:30 (15:30 - Tea Break)	<b>Tutorial:</b> Transforming Human Perception: A Tutorial from Transformer to LLM Architectures (Venue: MPH, SAC)		<b>Tutorial:</b> Deep Learning Models for Land Cover Mapping from High Resolution Satellite Images (Venue: Council Hall)
17:30 - 18:45	Student Research Symposium 1 (Venue: MPH, SAC)		Student Research Symposium 2 (Venue: Council Hall)
19:00 - 19:50	Cultural Events (Venue: MPH, SAC)		
19:50 - 20:50	Gala Dinner		

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## DAY 2: July 19, 2024 (Friday)

Time	Event
07:30 - 08:30	Breakfast
09:15 - 10:00	<b>Plenary talk:</b> Future Cameras <i>Prof. Shree K Nayar, Columbia University</i> (Venue: MPH, SAC)
10:10 - 13:10 (11:25 - Tea Break)	<b>Workshop:</b> High-throughput Vision based Phenotyping (HTVP'24) (Venue: MPH, SAC)
13:15 - 14:15	Lunch Break
14:15 - 17:15 (15:30 - Tea Break)	<b>Tutorial:</b> Use of LLMs and multimodal LLMs for information extraction from visually rich PDFs and document images (Venue: MPH, SAC)
17:15 - 18:45	<b>Invited Research Talks Session 1</b> (Venue: MPH, SAC)
19:00 - 20:00	Dinner

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## DAY 3: July 20, 2024 (Saturday)

Time	Event
07:30 - 08:30	Breakfast
09:10 - 10:05	<b>Plenary talk:</b> Controlling diffusion model generation to user constraints <i>Dr. Balaji Vasan Srinivasan, Adobe</i> (Venue: MPH, SAC)
10:05 - 11:25	<b>Workshop:</b> Synthetic Data for Advancements in Contactless Hand Biometrics and Gesture Analysis (Syn-CHBGR 2024) (Venue: MPH, SAC)
11:25 - 11:30	Tea Break
11:30 - 13:00	<b>Workshop:</b> Synthetic Data for Advancements in Contactless Hand Biometrics and Gesture Analysis (Syn-CHBGR 2024) (Venue: MPH, SAC)
	<b>Industry Panel Discussion:</b> The Rise of Language Models: Opportunities and Challenges for the Job Market in India (Venue: Avionics Swayam Prabha Hall)
	<b>Workshop:</b> Unveiling Human Experience: Exploring Macro and Micro Emotion Recognition (Venue: Council Hall)
13:00 - 14:00	Lunch
14:00 - 16:00	Invited Research Talks Session 2 (Venue: MPH, SAC)
	<b>Workshop:</b> AI for 6G Networks (Venue: Avionics Swayam Prabha Hall)
	<b>Workshop:</b> Unveiling Human Experience: Exploring Macro and Micro Emotion Recognition (Venue: Council Hall)
16:00 - 16:35	Valedictory Function (Venue: MPH, SAC)
16:35 - 16:45	High Tea

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