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<div> <div>7<sup>th</sup> IEEE International Conference on Signal Processing, Computing and Control</div> <div>(ISPPCC – 2k25) 06<sup>th</sup> -08<sup>th</sup> March 2025</div> <div>Programme</div> <div>Day I: Thursday, 06<sup>th</sup> March 2025</div> </div>				
Time	Activity	Speaker/ Session Chair	Venue / Google Meet Link	Moderator
10:00 am – 11:30 am	Inaugural		LT3 <a href="https://meet.google.com/axf-xwik-tnk">https://meet.google.com/axf-xwik-tnk</a>	Dr. Alok Kumar, Mr. Kamlesh Shrivastava, Ms. Jyotsana Bajaj
11:30 am-12:00 noon	High Tea			Dr. Ajay Kumar Singh
12:00 pm –1:30 pm	Session – 1A	SS1: Dr. Prabhat Thakur (Session Chair) Dr. Durgesh Nandan (Session Chair) Dr. Ghanshyam Singh(Session Chair) Prof. Sudhir Syal (Session Chair) Dr. Alok Kumar (Coordinator)	CR4 <a href="https://meet.google.com/rna-znwr-ukp">meet.google.com/rna-znwr-ukp</a>	Mr. Dharendra Kumar Singh
	Session – 1B	SS2: Dr. Aman Sharma (Session Chair) Dr. Anita Sardana (Session Chair) Dr. Pardeep Kumar (Session Chair) Dr. Emjee Puthooran (Coordinator)	CR5 <a href="https://meet.google.com/jox-kgog-icy">meet.google.com/jox-kgog-icy</a>	Dr. Ajay Kumar Singh
	Session – 1C	Dr. Ruchi Verma (Session Chair) Dr. Nancy Singla (Session Chair) Dr. Naveen Jaglan (Coordinator)	CR3 (OFFLINE)	Mrs. Jyotsna Bajaj
	Session – 1D	Dr. Hari Singh (Session Chair) Mr. Ramesh Narwal (Session Chair) Dr. Nishant Jain (Coordinator)	CR6 <a href="https://meet.google.com/vbk-dvvi-rgr">meet.google.com/vbk-dvvi-rgr</a>	Mr. Kamlesh Kumar Srivastava
01:30 pm – 02:30 pm	Lunch			
02:30 pm – 03:45 pm	Session – 2A	SS2: Dr. Aman Sharma (Session Chair) Dr. Anita Sardana (Session Chair) Prof. Sunil K. Khah (Session Chair) Dr. Pardeep Garg (Coordinator)	CR4 <a href="https://meet.google.com/pre-tmgk-ruk">meet.google.com/pre-tmgk-ruk</a>	Mr. Dharendra Kumar Singh
	Session – 2B	SS1: Dr. Prabhat Thakur (Session Chair) Dr. Durgesh Nandan (Session Chair) Dr. Ghanshyam Singh (Session Chair) Prof. P.B. Barman (Session Chair) Mr. Munish Sood (Coordinator)	CR5 <a href="https://meet.google.com/jox-kgog-icy">meet.google.com/jox-kgog-icy</a>	Dr. Ajay Kumar Singh
	Session – 2C	SS3: Dr. Krishna Pandey (Session Chair) Dr. Anil Kant (Session Chair) Dr. Vikas Baghel (Coordinator)	CR3 <a href="https://meet.google.com/vet-hwcz-bjz">meet.google.com/vet-hwcz-bjz</a>	Mrs. Jyotsna Bajaj
	Session- 2D	SS4: Dr. Soumi Ray (Session Chair) Dr. Anita Sardana (Session Chair)	CR6 <a href="https://meet.google.com/vbk-dvvi-">meet.google.com/vbk-dvvi-</a>	Mr. Kamlesh Kumar Srivastava



# 7<sup>th</sup> IEEE International Conference on Signal Processing, Computing and Control (IS/PC/C – 2k25) 06<sup>th</sup> -08<sup>th</sup> March 2025

## Programme

		Dr. Salman Raju Talluri (Session Chair/Coordinator)	<a href="#">rgr</a>	
03:45 pm- 04:00 pm	High Tea			Dr. Ajay Kumar Singh
04:00 pm – 05:00 pm	Keynote 1	Dr. HS Jatana Adjunct Faculty at MNIT Jaipur, DAU Gandhinagar and PGIMER, Chandigarh.	CR3 <a href="https://meet.google.com/axf-xwik-tnk">https://meet.google.com/axf-xwik-tnk</a>	Mr. Munish Sood, Mr. Dharendra Kumar Singh

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<div> <div>7<sup>th</sup> IEEE International Conference on Signal Processing, Computing and Control</div> <div>(ISPCC – 2k25) 06<sup>th</sup> -08<sup>th</sup> March 2025</div> <div>Programme</div> <div>Day II: Friday, 07<sup>th</sup> March 2025</div> </div>				
Time	Activity	Speaker / Session Chair	Venue / Google Meet Link	Moderator
09:30 am – 10:45 am	Session – 3A	<b>SS5:</b> Dr. Sunil Datt Sharma (Session Chair) Dr. Nafis Uddin Khan (Session Chair) Dr. Jitendraa Vashistt (Session Chair) <b>Dr. Vikas Baghel (Coordinator)</b>	<b>CR4</b>  <a href="https://meet.google.com/geu-pehh-tp">meet.google.com/geu-pehh-tp</a>	Mr. Dharendra Kumar Singh
	Session – 3B	<b>SS6:</b> Dr. Sandeep D. Hanwate (Session Chair) Dr. Girish V. Lakhekar (Session Chair) Dr. Anupriya Kaur (Session Chair) <b>Dr. Emjee Puthooran (Session Chair/Coordinator)</b>	<b>CR5</b>  <a href="https://meet.google.com/tst-joyf-wom">https://meet.google.com/tst-joyf-wom</a>	Dr. Ajay Kumar Singh
	Session – 3C	<b>SS7:</b> Dr. Sriti Thakur (Session Chair) Dr. Shruti Jain (Session Chair) <b>Mr. Munish Sood (Coordinator)</b>	<b>CR3</b>  <a href="https://meet.google.com/emq-eyhg-zax">meet.google.com/emq-eyhg-zax</a>	Mrs. Jyotsna Bajaj
	Session – 3D	<b>SS8:</b> Prof. Tiratha Raj Singh (Session Chair) Prof. Ahmed Moussa (Session Chair) Dr. Vineet Sharma (Session Chair) <b>Ms. Pragya Gupta (Coordinator)</b>	<b>CR6</b>  <a href="https://meet.google.com/vbk-dyvj-rgr">meet.google.com/vbk-dyvj-rgr</a>	Mr. Kamlesh Kumar Srivastava
10:45 am – 11:00 am	Tea Break			Dr. Ajay Kumar Singh
11:00 am – 12:00 noon	<b>Keynote 2</b>	<b>Dr. SK Varshney</b> Scientist-G & Head, International Cooperation Division (Department of Science & Technology), India.	<b>CR3</b>  <a href="https://meet.google.com/axf-xwik-tkn">https://meet.google.com/axf-xwik-tkn</a>	Dr. Harsh Sohal, Dr. Ajay Singh
12:00 pm – 01:30 pm	Session – 4A	<b>SS9:</b> Dr Sweta Tripathi (Session Chair) Dr. Ekta Gandotra (Session Chair) <b>Dr. Nishant Jain (Coordinator)</b>	<b>CR4</b>  <a href="https://meet.google.com/wmn-xxak-kqn">meet.google.com/wmn-xxak-kqn</a>	Mr. Dharendra Kumar Singh
	Session – 4B	<b>SS10:</b> Dr. Anuj Kumar Gupta (Session Chair) Dr. Poonam Sharma (Session Chair) <b>Dr. Alok Kumar (Session Chair/Coordinator)</b>	<b>CR5</b>  <a href="https://meet.google.com/tst-joyf-wom">https://meet.google.com/tst-joyf-wom</a>	Dr. Ajay Kumar Singh
	Session – 4C	<b>SS11:</b> Dr. Amit Sharma (Session Chair) Dr. Ashutosh Sharma (Session Chair) Dr. Rahul Shrivastava (Session	<b>CR3</b>  <a href="https://meet.google.com/vhn-vrbn-few">meet.google.com/vhn-vrbn-few</a>	Mrs. Jyotsna Bajaj

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		Chair) Dr. Naveen Jaglan (Coordinator)		
	Session – 4D	<b>SS13:</b> Dr. Amanpreet Kaur (Session Chair) Dr. K.R. Ramkumar (Session Chair) Dr. Jata Shankar (Session Chair) <b>Dr. Pardeep Garg (Session Chair/Coordinator)</b>	<b>CR6</b>  <a href="https://meet.google.com/vbk-dyvji-rgr">meet.google.com/vbk-dyvji-rgr</a>	Mr. Kamlesh Kumar Srivastava
12:00 pm – 01:00 pm	Mathworks Team		ECL6	
01:30 pm – 02:30 pm	Lunch			
2:30 pm – 03:45 pm	Session – 5A	<b>SS12:</b> Prof. Isha Malhotra (Session Chair) Prof. Vivek Sehgal (Session Chair) <b>Dr. Nishant Jain (Coordinator)</b>	<b>CR4</b>  <a href="https://meet.google.com/ffh-cvvm-sqp">meet.google.com/ffh-cvvm-sqp</a>	Mr. Dharendra Kumar Singh
	Session – 5B	Dr. Bhupendra Kumar Pathak (Session Chair) Dr. Gopal Singh Bisht (Session Chair) <b>Ms. Pragya Gupta (Coordinator)</b>	<b>CR5</b>  <a href="https://meet.google.com/tst-joyf-wom">https://meet.google.com/tst-joyf-wom</a>	Dr. Ajay Kumar Singh
	Session – 5C	Dr. R. S. Raja Durai (Session Chair) Dr. Ashok Nadda (Session Chair) <b>Dr. Vikas Baghel (Coordinator)</b>	<b>CR3</b>  <a href="https://meet.google.com/ncv-qzcb-gui">meet.google.com/ncv-qzcb-gui</a>	Mrs. Jyotsna Bajaj
	Session – 5D	Dr. Saurabh Srivastava (Session Chair) Dr. Deepak Gupta (Session Chair) <b>Dr. Emjee Puthooran (Coordinator)</b>	<b>CR6</b>  <a href="https://meet.google.com/vbk-dyvji-rgr">meet.google.com/vbk-dyvji-rgr</a>	Mr. Kamlesh Kumar Srivastava
03:45 pm – 04:00 pm	Tea Break			Dr. Ajay Kumar Singh
04:00pm – 05:00 pm	<b>Keynote 3</b>	<b>Dr. I. Bala Krishna</b> Joint Director / Scientist, Ministry of Electronics and Information Technology (MeitY), Govt of India	<b>CR3</b> <a href="https://meet.google.com/axf-xwik-tnk">https://meet.google.com/axf-xwik-tnk</a>	Dr. Pardeep Garg, Ms. Jyotsna Bajaj

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## *Day III: Saturday, 08th March 2025*

Time	Activity	Speaker / Session Chair	Venue / Google Meet Link	Moderator
09:30 am – 10:45 am	Session – 6A	<b>Prof. Ashish Kumar (Session Chair)</b> <b>Dr. Tanu Sharma (Session Chair)</b> <b>Dr. Alok Kumar (Coordinator)</b>	<b>CR4</b> <a href="https://meet.google.com/bqk-osjx-xns">meet.google.com/bqk-osjx-xns</a>	Mr. Dharendra Kumar Singh
	Session –6B	<b>Dr. Ragni Raj Singh (Session Chair)</b> <b>Dr. Aman Sharma (Session Chair)</b> <b>Dr. Pardeep Garg (Coordinator)</b>	<b>CR5</b> <a href="https://meet.google.com/zza-tekd-fvf">https://meet.google.com/zza-tekd-fvf</a>	Dr. Ajay Kumar Singh
	Sesssion- 6C	<b>Dr. Rakesh Bajaj (Session Chair)</b> <b>Dr. Amit Kumar Jakhar (Session Chair)</b> <b>Dr. Salman Raju Talluri (Coordinator)</b>	<b>CR3</b> <a href="https://meet.google.com/pvt-nemc-kmk">https://meet.google.com/pvt-nemc-kmk</a>	Mrs. Jyotsna Bajaj
	Session – 6D	<b>Dr. Hemant Sood (Session Chair)</b> <b>Dr. Nishant Sharma (Session Chair)</b> <b>Dr. Emjee Puthooran (Coordinator)</b>	<b>CR6</b> <a href="https://meet.google.com/vbk-dyvj-rgr">meet.google.com/vbk-dyvj-rgr</a>	Mr. Kamlesh Kumar Srivastava
10:45 am – 11:00am	<b>Tea Break</b>			Dr. Ajay Kumar Singh
11:00 am –12:00noon	<b>Keynote 4</b>	<b>Dr. Anita Singh</b> Scientist ‘E’, IRDE, Dehradun, (under DRDO), India.	<b>CR3</b> <a href="https://meet.google.com/axf-xwik-tkn">https://meet.google.com/axf-xwik-tkn</a>	Dr. Vikas Baghel, Mr. Kamlesh Shrivastava
12:00pm –1:30pm	Session – 7A	<b>Dr. Amit Srivastava (Session Chair)</b> <b>Dr. Amol Vasudeva (Session Chair)</b> <b>Dr. Naveen Jaglan (Session Chair/Coordinator)</b>	<b>CR4</b> <a href="https://meet.google.com/maq-ecqu-stq">meet.google.com/maq-ecqu-stq</a>	Mr. Dharendra Kumar Singh
	Session –7B	<b>Dr. Neeru Sharma (Session Chair)</b> <b>Dr. Pankaj Dhiman (Session Chair)</b> <b>Mr. Munish Sood (Session Chair/Coordinator)</b>	<b>CR5</b> <a href="https://meet.google.com/zza-tekd-fvf">https://meet.google.com/zza-tekd-fvf</a>	Dr. Ajay Kumar Singh
	Sesssion- 7C	<b>Dr. Nikhil Kukar Mariwala (Session Chair)</b> <b>Dr. Praveen Modi (Session Chair)</b> <b>Dr. Salman Raju Talluri (Coordinator)</b>	<b>CR3</b> <b>OFFLINE</b>	Mrs. Jyotsna Bajaj
	Session – 7D	<b>Dr. Neena Jindal (Session Chair)</b> <b>Dr. Ravindara Bhatt (Session Chair)</b> <b>Ms. Pragya Gupta (Session Chair/Coordinator)</b>	<b>CR6</b> <a href="https://meet.google.com/vbk-dyvj-rg">meet.google.com/vbk-dyvj-rg</a>	Mr. Kamlesh Kumar Srivastava
	Session – 7E	<b>Dr. Kushal Kanwar (Session Chair)</b> <b>Dr. Vikas Baghel(Session Chair)</b> <b>Dr. Nishant Jain (Session Chair/Coordinator)</b>	<b>ECL6</b> <a href="https://meet.google.com/bye-twxx-ifv">meet.google.com/bye-twxx-ifv</a>	
<b>1:30pm onwards</b>	<b>Valedictory</b>		<a href="https://meet.google.com/bye-twxx-ifv">meet.google.com/bye-twxx-ifv</a>	

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SESSION 1A: (06<sup>th</sup> March, 2025, 12.00pm – 1:30pm) /ONLINE/CR4

[meet.google.com/rna-znwr-ukp](https://meet.google.com/rna-znwr-ukp)

S.No	Paper ID	Title	Author
1	ISPCC2K25_343	Fuzzy Logic Classifier Approach for Non-Proliferative Diabetic Retinopathy in Macular Disease Quantification and Diagnosis	Ashu Katyal
			T Bernatin
2	ISPCC2K25_346	Privacy-Preserving Intrusion Detection in IIoT Using Deep Learning Approaches	Avni Garg
			Savinder Kaur
3	ISPCC2K25_347	Intelligent Intrusion Detection Using Pattern-Matching Aware Replicated Neural Networks	Sakshi Pandey
			Kalyandurg Rafeeq Ahmed
4	ISPCC2K25_351	Design and Analysis of a Robust S-Box for Lightweight Cryptography in IoT Applications Using the PRESENT Algorithm	Prateek Garg
			Kartik N
5	ISPCC2K25_354	Innovative Lightweight Cryptography Using Modified GIFT Cipher for IoT	Jagmeet Sohal
			Rameshbabu A
6	ISPCC2K25_357	Thwarting Brute Force Attacks in IIOT Using Combined Block Cipher Mode and Diverse Security Techniques	Deepak Minhas
			Swagat Kumar Jena

SESSION 1B: (06<sup>th</sup> March, 2025, 12.00pm – 1:30pm) /ONLINE/CR5

[meet.google.com/jox-kgog-icy](https://meet.google.com/jox-kgog-icy)

S.No	Paper ID	Title	Author
1	ISPCC2K25_743	Comparative Evaluating of Machine Learning Classifiers Through Sentiment Analysis to Detect Emotions Using TF-IDF	Mrinmoy Kayal
			Mohinikanta Sahoo
			Jayadeep Pati
			Law Singh
			Rajani mohana
			Rekha Singh
2	ISPCC2K25_963	VisionMalNet: A CNN-Based Image Transformation Approach for Android Malware Detection	Dr. Tanya Gera
			Dr Deepak Thakur
			Parvesh Ahlawat
			Dr. Kamal
			Dr Aashima Sharma



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3	ISPCC2K25_988	Click Fraud Detection in Online and Mobile Advertising for Real Time Bidding Environment	Piyush Gupta
			Komal Kumar Bhatia
			Neelam Duhan
4	ISPCC2K25_750	Solar Power Prediction using Temporal Fusion Transformer	Sanika Kulkarni
			Janhavi
			Priti Patil
			Amit Joshi
5	ISPCC2K25_1013	Advanced Structural Health Monitoring Using IoT: Integrating Predictive Analytics, Edge Computing, and Multi-Sensor Systems for Early Detection of Structural Irregularities	Soma Ghosh
			Dr. Arun Katkooori

## SESSION 1C: (06<sup>th</sup> March, 2025, 12.00pm – 1:30pm)/OFFLINE/CR3

S.No	Paper ID	Title	Author
1	ISPCC2K25_145	Model Based Robust Adaptive Dynamic Programming Control Design for Electromagnetic Levitation System	Amit Pandet
			Dipak M Adhyaru
			Sunil Kumar Singh
			R S Bajpai
2	ISPCC2K25_971	Sustainable Practices of Ancient Cities with Emerging Technologies for the Evolution of Smart Cities in India	Santosh Kumar Yadav
			Aarushi Yadav
			Irfan Ahmad Pindoo
			Prakash Singh Tanwar
3	ISPCC2K25_377	Advancing NLP for Indian Languages: Sentiment Analysis and Chatbot Development	Garima Thakur
			Ayush yadav
			Digant Raj
			Navjot Kumari
4	ISPCC2K25_893	A Machine Learning Based Diabetes Mellitus Classification on Weighted Class using Inverse Class Frequency Method	Arti Goel
			Kunal Rathor
			Hari Singh
			Prateek Thakral
5	ISPCC2K25_1059	Pattern and Polarization Reconfiguration MIMO Indoor base station antenna for 5G applications	Dinesh Verma
			Shalini Bhickta
			Naveen Jaglan
			Amit Jakhar
6	ISPCC2K25_784	Ethics in AI: Integrating Ancient Indian Wisdom into Large Language Models	Yash Tripathi
			Abhinandit Singh
			Saunkhla

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			Aman Sharma
7	ISPPCC2K25_614	Asthma and Chronic Obstructive Pulmonary Disease (COPD) Prediction Using PEEP Expiratory Occlusion Data: A Hybrid Approach with Random Forest and Feedforward Neural Network	Devansh Kalia

SESSION 1D: (06<sup>th</sup> March, 2025, 12.00am – 1:30pm) /ONLINE/CR6

[meet.google.com/vbk-dyvj-rgr](https://meet.google.com/vbk-dyvj-rgr)

S.No	Paper ID	Title	Author
1	ISPPCC2K25_608	Computational Studies of Molecular Interaction of Phytoconstituents of Sea Buckthorn (Elaeagnus Rhamnoides) Targeting Cancer Stem Cells	Seneha Santoshi
2	ISPPCC2K25_953	A Comparative Study of 2D SLAM Algorithms for ROS-Based Mapping	ujjawalbhushan
3	ISPPCC2K25_833	DRIVER DROWSINESS AND SEATBELT DETECTION USING DEEP LEARNING TECHNIQUES	Venkata GayathriGanivada Appala SrinivasuMuttapati Sruthi Y
4	ISPPCC2K25_208	A Point Cloud-Based Multi-class Car Classification by Using mmWave Radar and Deep Learning Models	Anand Mohan Deepesh Kumar Ramnivas Sharma Hemant Kumar Meena Pranjal Mahajan Abhishek Srivastava
5	ISPPCC2K25_956	Path Optimization for Autonomous Vehicles in Static Environments Using CARLA Simulation	Adwait Sanikop Raghvendra Shet Puneet Mugabasav Shivraj Panishettar Nalini Iyer Ujwala Patil Venkatesh Uttam



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SESSION 2A: (06<sup>th</sup> March, 2025, 02:30pm – 03:45pm) /ONLINE/CR4

[meet.google.com/pre-tmkg-ruk](https://meet.google.com/pre-tmkg-ruk)

S.No	Paper ID	Title	Author
1	ISPCC2K25_148	Enhancing Supply Chain Management with Ethereum 2.0 : Advancement in Blockchain Technology	Ayush Gupta
			Ambuj Kumar Agarwal
2	ISPCC2K25_209	Systematic Study of Cataract Detection using Fundus Images	Nripesh Solanki
			Avinash Kumar Sharma
3	ISPCC2K25_262	Dalal Ratings: Deep Learning based platform for stock investors	Harjaspreet Singh Wadhwa
			Jasmeet Wadhwa
			Kanwarpreet Kaur
			Neeru Jindal
			Kulbir Singh
4	ISPCC2K25_286	Smart Crop Predictor and Soil NPK Optimizer	Rahul Revanna
			Chinmay Patil
			NandineeMudegol
			Vishwajeet Sawant
5	ISPCC2K25_287	A Machine Learning Approach on Multimedia Data for Predicting Student Anxiety	Ch Prathima
			M shashidhar
			Gurram Pallavi
			Kurnool Sadiq Sohail
			Syed Ehsanulla Basha
			Kalicheti Madhu Priya
6	ISPCC2K25_311	A Novel Approach to Security-Driven Web Application Protection through Attack Surface Management	Ch Prathima
			Rokkam Vamshi
			J Kartheek
			P Kavya
			S Naveed
			T Lahari

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## Programme

**SESSION 2B: (06<sup>th</sup> March, 2025, 02:30pm – 03:45pm /ONLINE/CR5**

[meet.google.com/jox-kgog-icy](https://meet.google.com/jox-kgog-icy)

S.No	Paper ID	Title	Author
1	ISPCC2K25_365	Container-Based QoS-Aware Service Placement for IoT/IIoT in Fog Environments with Data Analytics for Smart Applications	Hitesh Kalra
			BubunKumar Mohanta
2	ISPCC2K25_586	Revolutionizing Fire Detection: Harnessing the Power of Machine Learning Models	Anshu Dwivedi
			Dipika Jain
			Ankit Gupta
3	ISPCC2K25_771	Fine-Tuned EfficientNetB0 Model for Accurate Bird Species Identification and Multi-Classification	punitgupta
			sapnajuneja
4	ISPCC2K25_772	Assessing Crop Yield Sensitivity to Climate Variables with Regression Models	punitgupta
			sapnjuneja
5	ISPCC2K25_387	A Robust and Lightweight CNN-Transformer Model for Audio Deepfake Detection in Indian Languages	Manish Gaikawad
			Soma Ghosh
6	ISPCC2K25_530	Multi Sensor Fusion For Enhanced 3D Pose Estimation Of Unmanned Aerial Vehicle	KCT SWAMY
			DeeshamanyaPakkerabad
			Susmitha karna
			ShajidaBegum Mulla

**SESSION 2C: (06<sup>th</sup> March, 2025, 02:30pm – 03:45pm) /ONLINE/CR3**

[meet.google.com/vet-hwcz-bjz](https://meet.google.com/vet-hwcz-bjz)

S.No	Paper ID	Title	Author
1	ISPCC2K25_292	Multi-Class Brain Tumor Image Classification Utilizing ResNet50: A Transfer Learning Approach for Medical Imaging	DINESH KUMAR
			M.A. ARCHANA
2	ISPCC2K25_561	Evaluating Pre-trained CNN Models for COVID-19 and Pneumonia Diagnosis Using Enhanced Medical Imaging	Shivam Gangwar
			Anushka Chaurasia
			Vaibhav Tiwari
3	ISPCC2K25_808	Hybrid Deep Learning Approaches for Stock Price Prediction Using LSTM and GRU Models	Dipanshi Malik
			Nishi gupta
4	ISPCC2K25_1016	PREDICTIVE AND PRESCRIPTIVE ANALYTICS IN EDUCATION: A DEEP DIVE INTO MACHINE LEARNING AND DEEP LEARNING APPLICATIONS	REVATHY P

## 7<sup>th</sup> IEEE International Conference on Signal Processing, Computing and Control (ISPCCC – 2k25) 06<sup>th</sup> -08<sup>th</sup> March 2025 *Programme*

5	ISPCCC2K25_862	Analyzing the effect of Artifacts Removal and Pre-processing Techniques on Mammographic Image Quality	Isha Bhardwaj
			Kriti
6	ISPCCC2K25_866	Leveraging CNNs and Transformers: The Hybrid Model for Brain Tumor Detection and Segmentation	Krupa Chary Pasunoori
			Rajendra Prasad Ch
			Raj Kumar K.
7	ISPCCC2K25_1080	MIMO Antenna Design for 5G Smartphone Application	Diksha Thakur
			Naveen Jaglan

**SESSION 2D :(06<sup>th</sup> March, 2025, 02:30pm – 03:45pm /ONLINE/CR6**

[meet.google.com/vbk-dyvj-rgr](https://meet.google.com/vbk-dyvj-rgr)

S.No	Paper ID	Title	Author
1	ISPCCC2K25_129	Few-Shot Glaucoma Classification from Fundus Images Using Meta-Learning Models	Anirban Dasgupta
			Anwesha Sengupta
			Abhranil Das
2	ISPCCC2K25_240	Multiscale Attention-Enhanced U-Net for Robust Skull Stripping in 2D Brain CT Images: A Hybrid Deep Learning and Rule-Based Approach	PARANJAY AGARWAL
			Aparna Mohanty
			Soumi Ray
3	ISPCCC2K25_242	Attention Mechanism for Pulmonary Disease Detection in X-Ray Images	Anirban Dasgupta
			Karan Jain
			Rashmi Mukherjee
4	ISPCCC2K25_258	A Blend of Deep Learning and Machine Learning based Tamper detection of medical images followed by localization and self-recovery	SAMUDRALA
			JAGADEESH
			Ami Kumar Parida
			Meenakshi Kollati
5	ISPCCC2K25_825	Efficient Human Posture Detection Using mmWave Radar and Neural Networks on PYNQ-ZU SoC	S M Saif Ali
			ADEEBA KHAN
			Mohd Wajid
			Abhishek Srivastava
6	ISPCCC2K25_1061	A Comparative Study of Non-Optimized, Semi-Optimized, and Fully Optimized Hyper parameters in Deep Learning	Mohammed Usman
			Hardeep Saini
			Davinder Singh Saini

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SESSION 3A: (07<sup>th</sup> March, 2025, 09.30am – 10:45 am) /ONLINE/CR4

[meet.google.com/geu-pehh-tpp](https://meet.google.com/geu-pehh-tpp)

S.No	Paper ID	Title	Author
1	ISPCC2K25_21	Scalable Land Cover Classification with Linear Kernel SVM on Sentinel-2 Imagery via GEE: A Case Study	Vishwanath Bijalwan
			GundlaKarunasri
			Sheshikala Martha
2	ISPCC2K25_269	iProLSTM-FL: A Federated Learning Framework for Promoter Identification using LSTM Networks	Ayshika Kapoor
			Sunil Datt Sharma
			Dheeraj Kumar
			Sanjeev Narayan Sharma
3	ISPCC2K25_495	Sentiment and Semantic Embeddings for Disaster Decision Making	Rupesh Mishra
			KONDAPALLI SUNANDA
4	ISPCC2K25_497	Exploring Modern Deep Learning Architectures for Satellite Image Analysis: A EuroSAT Perspective	GundlaKarunasri
			sheshikalamartha
			vishwanathbijalwan
5	ISPCC2K25_624	Estimation of State of Health for Lithium-ion Batteries Using Least Square Methods	Venkata Gadda
6	ISPCC2K25_714	An Ensemble Multi-CNN Framework for Enhanced Skin Cancer Classification	Arvind Rajpoot

SESSION 3B: (07<sup>th</sup> March, 2025, 09.30am – 10:45 am) /ONLINE/CR5

[meet.google.com/tst-joyf-wom](https://meet.google.com/tst-joyf-wom)

S.No	Paper ID	Title	Author
1	ISPCC2K25_283	Adaptive Super-Twisting Sliding Mode Control to Drive Knee Joint Actuated Orthosis	VibhaliDeshbhratar
			Sumit Ghate
			Girish Lakhekar
2	ISPCC2K25_331	Autonomous Vehicle Path Tracking: Differential Lyapunov Optimal Control and Decision Fault Tree Learning	Raghavendra Shet
			Gireesh Lakhekar
			Sandeep Hanwate
3	ISPCC2K25_900	Adaptive Headlight Control for Automotive System Based on Curvature Detection Technique	Manjunath Dariyagol
			Pradeep Badiger
			Ayan Sayed
			Vishwanath Hurakadli
			Raghavendra Shet
			Ujwala Patil
			Nalini Iyer

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			Pradeep Badiger
4	ISPCC2K25_943	Adaptive Joint Space Control of Planar Underwater Robotic Manipulator Using Non-singular Fast Terminal Sliding Mode Technique	Vikas Karade Girish Lakhekar Sumit Ghate
5	ISPCC2K25_952	Fuzzy Logic based Automatic steering control for Z-path navigation in EV	Omkar Bhangari Adwait Sanikop Raghvendra Shet Shivaraj Panishettar Nalini Iyer Ujwala Patil Venkatesh Uttam
6	ISPCC2K25_1003	Adaptive Non-Singular Terminal Sliding Mode Control for an Elbow Joint Orthosis System	VibhaliDeshbhratar Sumit Ghate Girish Lakhekar
7	ISPCC2K25_957	LiCam: A Synergistic Approach for Pothole Detection	Anirudh Navalgund Sujaya E Royston Vedamuthu Shashank Padavalkar Ujwala Patil

**SESSION 3C: (07<sup>th</sup> March, 2025, 09.30am – 10:45 am) ONLINE/CR3**

[meet.google.com/emq-evhg-zax](https://meet.google.com/emq-evhg-zax)

S.No	Paper ID	Title	Author
1	ISPCC2K25_243	ADVANCING COPD DIAGNOSIS: A DEEP TRANSFER LEARNING APPROACH USING RESNET-50 AND ANN FOR ENHANCED CT SCAN ANALYSIS.	Nithish Kumar R Palaniappan M Anist A
2	ISPCC2K25_393	Deep Learning-Based Optimized YOLOv5 for Enhanced Surface Defect Detection in Ceramic Tiles	Dr. banalasaritha Dr.GPurnachandrarao Bonu Sravanthi Kashaboina Karthik Arikala Harshitha Ch Spoorthy Reddy
3	ISPCC2K25_532	In-Depth Analysis of Anomaly Detection in Software-Defined Infrastructures Leveraging Hybrid ML and DL Models	Riya Hemant Sharma Anurag Rana
4	ISPCC2K25_545	Predicting CVSS Base Metrics of Software Vulnerabilities Using MultiCNN	Santosh Saklani Anshul Kalia

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5	ISPCC2K25_589	Machine Learning Characterization of Various Snacks in Relation to Their Physico-Chemical and Nutritional Profile using Electronic Equipment	Mehboob Ul Amin
			Priyanka Mishra

**SESSION 3D: (07<sup>th</sup> March, 2025, 09.30am – 10:45 am) /ONLINE/CR6**

[meet.google.com/vbk-dyvj-rgr](https://meet.google.com/vbk-dyvj-rgr)

S.No	Paper ID	Title	Author
1	ISPCC2K25_185	Advancing Skin Cancer Detection with CNNs, ANNs, Conv2D, and Max Pooling Layers	YOJNA ARORA
2	ISPCC2K25_219	Computational Mining of Genesets in Unraveling Angelman Syndrome: A Genomic Exploration	Ashwani Kumar
3	ISPCC2K25_682	AI-Driven Cross-Species Embryo Insights: Transcriptomics Expose Conserved Genes in Homo sapiens and Bos taurus Morula-to-Blastocyst Transition	Abhishek
			Akshay Jain
			Deepak Modi
			Priyanka
4	ISPCC2K25_803	Revolutionizing Healthcare: The Synergy of AI and Bioinformatics	Naman Sharma

**SESSION 4A: (07<sup>th</sup> March, 2025, 12:00 pm– 01:30 pm) /ONLINE/CR4**

[meet.google.com/wmn-xxak-kqn](https://meet.google.com/wmn-xxak-kqn)

S.No	Paper ID	Title	Author
1	ISPCC2K25_691	Design and Performance Analysis of a Compact Wearable Antenna Integrated into FR4 Substrates for Enhanced Wireless Communication	SUNAINA SINGH
2	ISPCC2K25_983	Advance Attendance Management Through Face Recognition	Madhur Joshi
			Manoj k. Pandey
			Sunil Sikka
			Sweta Tripathi
3	ISPCC2K25_737	Towards Sustainability: A Simulation Analysis for Achieving Net-Zero Energy in Residential Buildings in Nashik's Tropical Wet and Dry Climate	Lalit Kumar Darshana Desai Suruchi Modi
4	ISPCC2K25_318	Detecting AI-Generated Speech Manipulation through CNN-BiLSTM Hybrid Networks-	Rahul Dixit



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		BiLSTM Hybrid Networks	
5	ISPCC2K25_934	Smart Yoga Mat: An AI-Integrated Affordable Yoga Mat for Personalized Guidance and Progress Tracking	Karthik B Saravanapandian M

**SESSION 4B: (07<sup>th</sup> March, 2025, 12:00 pm– 01:30 pm /ONLINE/CR5**

[meet.google.com/tst-joyf-wom](https://meet.google.com/tst-joyf-wom)

S.No	Paper ID	Title	Author
1	ISPCC2K25_122	A Comprehensive Review Analysis for early-stage prediction of Alzheimer disease using Deep Learning	Gagandeep Kaur Gagandeep Kaur
2	ISPCC2K25_390	A comparative analysis of supervised, semi supervised and unsupervised object detection techniques in video surveillance	Dr. Aayushi Gautam
3	ISPCC2K25_939	Fuzzy Logic-Driven Throttle Adjustment for Z-Path Navigation in Electric Vehicles.	Puneet Mugabasav Shivaraj Panishettar Raghvendra Shet Shreyas Salotagi Adwait Sanikop Nalini Iyer Ujwala Patil
4	ISPCC2K25_966	Optimization Control Methodology for High Efficiency Variable Speed Standalone Wind Energy System with PMSG	Savitri Sharma
5	ISPCC2K25_1006	Analysis of Harmonics in EV Charging Infrastructure with Multilevel Inverter Solutions	MadgulaSatyanrayana Venkataramana Veeramsetty Durgam Rajababu

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SESSION 4C: (07<sup>th</sup> March, 2025, 12:00 pm– 01:30 pm /ONLINE/CR3

[meet.google.com/vhn-vrbn-few](https://meet.google.com/vhn-vrbn-few)

S.No	Paper ID	Title	Author
1	ISPCC2K25_263	Transitioning Towards E-Learning: A Paradigm Shift in Teaching and Learning	Jitender Kaushal
2	ISPCC2K25_264	AI-Driven Smart HVAC Management: An IoT and Machine Learning-Based Approach to Energy- Efficient Building Automation.	Khalid Alfatmi
			Harshada Dhakad
			Kadambari Suryawanshi
			Kirti Patil
			Sakshi Patil
3	ISPCC2K25_579	Advances in Cyclone Intensity Classification: A Comparative Analysis	M S, Manju
			Pateriya, R. K.
			Gupta, Rajeev *
4	ISPCC2K25_720	Impact of AI-Driven Signal Processing and Control System in Building Energy Efficiency and User Comfort	Vishwakarma, Shanika;
			Kumar, Lalit*
5	ISPCC2K25_742	A Systematic and Comprehensive Study on Exploring Machine Learning and Deep Learning Techniques for Air Quality Index Prediction	Hiteshri Yagnik
			Rajeev Gupta

SESSION 4D: (07<sup>th</sup> March, 2025, 12:00 pm– 01:30 pm /ONLINE/CR6

[meet.google.com/vbk-dyvj-rgr](https://meet.google.com/vbk-dyvj-rgr)

S.No	Paper ID	Title	Author
1	ISPCC2K25_776	Tactile-ViewGCN: Learning Shape Descriptor from Tactile Data using Graph Convolutional Network	Sachidanand VS
			Mansi Sharma
2	ISPCC2K25_848	A Classification Method for Satellite Imagery Utilizing Transfer Learning Techniques	Mansi Sharma
			Jyotsana Gover
3	ISPCC2K25_910	Financial Market Forecasting: Enhancing RNNs for Improved Stock Prediction	Mudita Uppal
			Deepali Gupta
			Deepam Goyal
			Sukhvinder Singh Bamber
			Rajeev Dang
4	ISPCC2K25_996	A Hybrid CNN-Transformer Model for Enhanced Heart Disease Prediction	Harinder Kaur

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5	ISPCC2K25_330	Marginal Moment Generating function-based detection performance analysis over Generalized-K distributed fading channel	Aakanksha Sharma
6	ISPCC2K25_529	Marker-Based Augmented Reality: Creating Smart Business Cards with Unity and Vuforia	Neha Garg Amanpreet Kaur

**SESSION 5A:(07<sup>th</sup> March, 2025, 02:30pm – 03:45pm) /ONLINE/CR4**

[meet.google.com/fhh-cvvm-sqp](https://meet.google.com/fhh-cvvm-sqp)

S.No	Paper ID	Title	Author
1	ISPCC2K25_994	Effectiveness of Hybridsampling in Ensemble Learning for Thyroid Cancer Prediction	Abhijit Mandal
			Saroj Kr Biswas
			Sounak Majumdar
			Shyamosree Pal
2	ISPCC2K25_935	Enhancing Medical Image Classification: A Hybrid Deep Learning Approach with ResNet, Vision Transformer and Capsule Networks	Smita Konda
			Viteshkumar Gaikwad
			Vijay Sangolgi
3	ISPCC2K25_1076	A Comparative Analysis of Machine Learning and Deep Learning Models for Brain Tumor Survival Prediction	Anuj Gupta
			Manish Gupta
			Anita Sardana
4	ISPCC2K25_774	Bandwidth Enhancement of Microstrip Antenna by Incorporation Koch Fractal Defected Ground Structure for WLAN/Wi-Fi Applications	NITIN MUCHHAL
5	ISPCC2K25_312	Based Signal Processing for Efficient Wireless Communication in Industrial IoT Systems	J Angel Chellam

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SESSION 5B: (07<sup>th</sup> March, 2025, 02:30pm – 03:45pm /ONLINE/CR5

[meet.google.com/tst-joyf-wom](https://meet.google.com/tst-joyf-wom)

S.No	Paper ID	Title	Author
1	ISPCC2K25_256	Study the Impact of Work-Function Variation on Vertical Junctionless TFET Device	Nitu Swargiary
			Baljit Kaur
			Tulika Chawla
			Dhandapani Vaithyanathan
			Baljit Kaur
2	ISPCC2K25_361	Numerical Simulation of FTO/ZN/CH <sub>3</sub> NH <sub>3</sub> Pb(I1-XClX) <sub>3</sub> /PEDOT: PSS/Au Perovskite Solar Cell	Vibhor Yadav
			Dr. Dipika Sharma
			Dr. Shivani Sharma
			Dr. Rishibrind Upadhyay
3	ISPCC2K25_366	Numerical Simultionof FTO/ZnO/CH <sub>3</sub> NH <sub>3</sub> SnBr <sub>3</sub> /Spiro-OMeTAD/Au Lead free Perovskite Solar Cell	Nishant DWIVEDI
			Dr. Dipika
			Dr. Shivani Sharma
			Dr. Rishibrind Upadhyay
4	ISPCC2K25_591	Effects on Circular Enclosed Gate Device with Base Model and Varying Geometry Condition and Parameters	Vandana Verma
5	ISPCC2K25_968	SiGe Pocket Engineering in DG-DD-HTFET for Low-Power Devices	Ankita Singh
			Madhulika Verma
			Sachin Agrawal
6	ISPCC2K25_849	An Exploration of Various Deep Learning Techniques for Soil Classification	Ishita Sikka Rinkle Rani Nidhi Kalra
7	ISPCC2K25_180	Detection of Suicide and Depression for Early Intervention and Initiative-taking Mental Healthcare	Esraa Hassan Roheet Bhatnagar Tarek Abd El-Hafeez Mahmoud Y. Shams

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SESSION 5C:(07<sup>th</sup> March, 2025, 02:30pm – 03:45pm) /ONLINE/CR3

[meet.google.com/ncv-qzcb-gui](https://meet.google.com/ncv-qzcb-gui)

S.No	Paper ID	Title	Author
1	ISPCC2K25_169	Plant Disease Prediction Using Feature Selection Based Multilayered ANN with Genetic Algorithm	Mohamed Faizal A. A*
			Rajeshwar Goud Jangampally
			Karthikeyan D.
			Barathi K.
			Naveenkumar kaliyan
			Katam Naga Lakshman
2	ISPCC2K25_540	Exploring Phase Recurrence in Decomposed EEG Signals for Major Depressive Disorder Detection	Kaveri Kar
3	ISPCC2K25_301	A Hybrid Adaptive Median-Gaussian Filter Effective Mixed-Noise Image Denoising and Feature Preservation	Amanpreet Kaur Sandhu
4	ISPCC2K25_555	Multihead Attention-Based Denoising for Enhanced ECG Signals in Wearable Biosensors	Gonella dheeraj
			Narisetti Jaswanth
			erefanbaig
			Dr.VijayasankarAnumala
5	ISPCC2K25_634	Machine Learning-Based ALS Detection Using HOG Features from sEMG Time-Frequency Images	Akanksha Dixit
			Varun Bajaj
			Prabin Kumar Padhy
6	ISPCC2K25_1079	Autonomous System for Fruit Freshness Recognition	Sarika Khope Deep Bhendarkar Gajendra Bhople Sahil Wani Sandeep D. Hanwate
7	ISPCC2K25_108	Predictive Modeling and Comprehensive Analysis of Cardiovascular Disease Risk Factors	Kanishika Dr Praveen Kumar Mannepalli Dr Bobbinpreet Kaur

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SESSION 5D: (07<sup>th</sup> March, 2025, 02:30pm – 03:45pm /ONLINE/CR6

[meet.google.com/vbk-dyvj-rgr](https://meet.google.com/vbk-dyvj-rgr)

S.No	Paper ID	Title	Author
1	ISPCC2K25_3	Drug Recommender System Based on Cost Minimization Technique for Customized Clinical Prescription	ashutoshsatapathy
			Mahima Kumar
			Aslesha Parisa
2	ISPCC2K25_50	Novel Super Resolution Image Dataset for Classification and Detection of Monkeypox Disease	Dr Ambrish Kumar
			ABISEK KAMTHAN R S
			Akhil Kumar
			Nookala Anvesh Reddy
3	ISPCC2K25_187	Wavelet-Enhanced hybrid CNN Models for Precise Brain Tumor Classification	Rajaswi Borkar
			Dr. Gyanendra KumarVerma
4	ISPCC2K25_201	Deep Learning and Entropy Regularization for Efficient Autoregressive Image Demosaicing	C. Anitha Mary
			Boyed Wesley
5	ISPCC2K25_326	XAI for Lymph Node Histopathology: From Explainability to Immersive Metaverse Applications	Pranshu Saxena
			Megha Sharma
			Reenu Batra
			Sanjay Kumar Singh
			Radhika Gupta
			Mandeep Singh
6	ISPCC2K25_372	Advancing Cervical Cancer Risk Prediction through Multi-Target Classification, SHAP Analysis, and Feature Reduction	DINESH KUMAR T
			M.A. ARCHANA
7	ISPCC2K25_506	Energy Aware Routing Protocols Using Modified Ant Colony Optimization for High-Mobility MANETs in Disaster Recovery Scenarios	Mandeep Singh
			Megha Sharma
			Isha Gupta
			Chhaya Sharma
			Gaganjot Kaur
			Pranshu Saxena
8	ISPCC2K25_399	Systematic Study of Clustering and Routing in Mobile Wireless Sensor Networks	TAHIRA MAZUMDER




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SESSION 6A: (08<sup>th</sup> March, 2025, 09.30am – 10:45 am) /ONLINE/CR4

[meet.google.com/bqk-osjx-xns](https://meet.google.com/bqk-osjx-xns)

S.No	Paper ID	Title	Author
1	ISPCC2K25_855	Enhanced Central Sleep Apnea Detection Using a Hybrid Deep Learning Model with EEG Signals	Sai Spandana Banudevapuram
			Keerthana Jupudi
			Rajitha Tangudu
			Shri RamtejKondamuri
2	ISPCC2K25_906	Soil Moisture Classification Using Computer Vision and Deep Learning Techniques	Archit Agarwal Sanjana Dey Ashish Patwari
3	ISPCC2K25_916	Design and Implementation of FPGA-Based System for Angle Estimation Using FMCW Radar	GANI KHAN
			Mujeev Khan
			Mohammed Usman
			Abhishek Srivastava
			Mohd Wajid
4	ISPCC2K25_299	Compositional and Structural Analysis for Non-Insulin Dependent Diabetes through Artificial Intelligence and Bioinformatics Tools	Indrani Vasireddy
5	ISPCC2K25_1055	Achieving Net Zero Energy Building Retrofitting for Sustainable Development: A Case of Low-rise Row Housing in Nashik, India	Lalit Kumar Darshana Desai Suruchi Modi
6	ISPCC2K25_990	Amipi: Humanoid Interface Based on Artificial Intelligence	Himanshu Acharya Manoj Pandey Sunil Sikka Sweta Tripathi
7	ISPCC2K25_197	A Review of Existing Cloud Fog Computing Environment Tools with a Focus on the Workflowsim Toolkit	Dr. Rinkle Rani Sumit Bansal Nidhi Kalra Himanshu Aggarwal
8	ISPCC2K25_1077	Brain Tumors Classification on Magnetic Resonance Images by Hybrid Model	Jainy Sachdeva



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SESSION 6B: (08<sup>th</sup> March, 2025, 09.30am – 10:45 am) /ONLINE/CR5

[meet.google.com/zza-tekd-fvf](https://meet.google.com/zza-tekd-fvf)



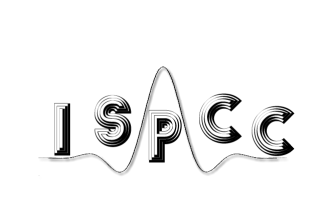



S.No	Paper ID	Title	Author
1	ISPCC2K25_501	Automated Cellular Segmentation in Histopathology: A Multi-Step Mask Prediction Approach for Enhanced Analysis	Pranshu Saxena
			Radhika Gupta
			Akash Goel
			Amit Kumar Singh
			Sanger
			Vineet Shrivastava
			Mandeep Singh
2	ISPCC2K25_679	Enhancing Brain Tumor Detection in MRI with Feature Fusion and SMOTE-Optimization Techniques	SUMAN DIP
3	ISPCC2K25_751	Stability analysis of Tuberculosis in mathematical model with drug resistance effect	Lakshmi A
4	ISPCC2K25_778	Development of an AI-Driven System for Detecting Parkinson’s Disease Utilizing Patient Voice	Samarjeet Singh
			Jaspreet Singh Batth
			Vikas Mittal
5	ISPCC2K25_828	NLCL: A Novel Methodology Design to Predict Bone Fracture Detection using Neural Learning assisted Classification Logic	G Sajiv
			N Meenakshisundaram
6	ISPCC2K25_829	OCNC: Efficient Learning Mechanism to Identify Breast Cancer Disease using Optimized Convolutional Neural Classification Scheme	G Sajiv
			N Meenakshisundaram
7	ISPCC2K25_852	Enhanced Breast Cancer Prediction using ML: Comparative Analysis and Optimized Models	Anithaa M
			Arun Sekar Rajasekaran
8	ISPCC2K25_922	Automated Helmet and Number Plate Detection Using YOLOv9: Enhancing Road Safety Compliance	Shankar K Sekar K. Dheepa T Kamalesh S Naidhru Raj R Pawin A

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SESSION 6C: (08<sup>th</sup> March, 2025, 09.30am – 10:45 am) ONLINE/CR3

[meet.google.com/pvt-nemc-kmk](https://meet.google.com/pvt-nemc-kmk)

S.No	Paper ID	Title	Author
1	ISPCC2K25_42	Sustainable Solution for Voltage Stability through Fuzzy Controlled FACTS Devices	Abinash Singh
2	ISPCC2K25_52	E2W: A Paradigm Shift in Sustainable Mobility	Abinash Singh Gurinder Singh Amanpreet Singh Preetinder Singh Sanamdeep Singh
3	ISPCC2K25_54	Internal-Model-Control using a Complex-Order Filter: Design for Fractional-Order Delayed System	Anjana Ranjan* Utkal Mehta Kishore Bingi Arshaque Ali
4	ISPCC2K25_194	A Comparative Study of PID, FOPID, and TID Controllers Using Harris Hawk Optimization for Load Frequency Control of Renewable Energy Grids in Deregulated Environments	Atanu Maji Soumen Biswas Sudipta Banerjee * Saptaparna Basu Roy Chowdhury Aveek Chattopadhyaya Sanjoy Saha
5	ISPCC2K25_452	Design of a Dual-Input SEPIC Converter for Powering a Base Transceiver Station Using PV and Battery Backup	Manitha P.V. * Rhethika S Veekshana Runkana
6	ISPCC2K25_615	Adaptive Quasi bang-bang Controller for Structural Health Monitoring	Gaurav Kumar

# 7<sup>th</sup> IEEE International Conference on Signal Processing, Computing and Control

## (ISPCC – 2k25) 06<sup>th</sup> -08<sup>th</sup> March 2025

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SESSION 6D: (08<sup>th</sup> March, 2025, 09.30am – 10:45 am) /ONLINE/CR6

[meet.google.com/vbk-dyvj-rgr](https://meet.google.com/vbk-dyvj-rgr)

S.No	Paper ID	Title	Author
1	ISPCC2K25_53	A Unified Deep Learning Framework for Lip Reading and Deep Fake Audio Classification	Vijay Sangolgi
			mithunpatil
			omkar bhosale
			anuragdeshmukhe
			pallavijawalgl
			srushtikatwe
2	ISPCC2K25_81	Securing IoT Networks with Deep Belief Network-Based Intrusion Monitoring Systems	Preethi S
			Maheswari S.
			Sahila Devi R.
			Karthikeyan D.
			Samsudeenshaffi S
			Perarasi M.
3	ISPCC2K25_93	Defect Detection in Steel Castings Using Deep Learning with X-ray Images	Kumaran S
4	ISPCC2K25_207	Deep Learning Architecture for the Classification of Time Series Data of Different Domains Using Convolutional Neural Network	Kshitij Tripathi
5	ISPCC2K25_249	Proficient Detection of Leukemia Blood Test Enabled by Deep Learning	Pranav Singh
6	ISPCC2K25_1072	ADVANCING LANDCOVER CLASSIFICATION WITH DEEP LEARNING AND SATELLITE IMAGERY	Zeenath Hunnisha Shaik

SESSION 6E: (08<sup>th</sup> March, 2025, 09.30am – 10:45 am) /ONLINE/CL1

# 7<sup>th</sup> IEEE International Conference on Signal Processing, Computing and Control (ISPCC – 2k25) 06<sup>th</sup> -08<sup>th</sup> March 2025 Programme

[meet.google.com/ojj-jptf-uen](https://meet.google.com/ojj-jptf-uen)

S.No	Paper ID	Title	Author
1	ISPCC2K25_268	Optimizing 5G Performance with MIMO: A Path to Low-Latency Networks	Meghamala Y Dr Pulipati John Paul Dr M Aravind Kumar
2	ISPCC2K25_271	A Study of GNSS Jamming Detection Using Deep Learning	Brahmjit Singh Kritika Sharma
3	ISPCC2K25_783	Predicting Forward and Reverse Mutations from Protein Sequences Using Embeddings and Deep Learning	Pratiti Bhadra Rohit Varatharajan Prema
4	ISPCC2K25_918	UAV PID Controller Optimization for Improved Flight Stability: Simulation and Analysis	Munish Patial Dr Rajiv Kumar M J Nigam
5	ISPCC2K25_951	Smart Air Quality Monitoring and Prediction System With Data-driven Insights	C Shanmugapriya E Kothai
6	ISPCC2K25_969	Next-Generation Sub-6 GHz Antenna Solutions: A Review on Scalability and Performance Optimization of Radiating Elements	Superb Rialch Sahil Sharma Naveen Jaglan
7	ISPCC2K25_972	Low Voltage, High Precision FVF based Current Differencing Circuit	Astha Dadheech Nikhil Raj Dr. Divyang Rawal

SESSION 6F: (08<sup>th</sup> March, 2025, 09.30am – 10:45 am) /ONLINE/CL1

[meet.google.com/age-exra-bsa](https://meet.google.com/age-exra-bsa)

S.No	Paper ID	Title	Author
1	ISPCC2K25_1001	Develop an advanced UAV-WSN System for Intelligent Precision Agriculture Monitoring	Kavitha K
2	ISPCC2K25_1008	A Hybrid ETL Framework for Optimized Data Ingestion and Real-Time Processing in Data Lakehouse Architectures using AI-driven orchestration and Contextual Data Partitioning	Abirami Kathirvel Dr.Punitha S
3	ISPCC2K25_1029	Personalized AI-Driven Online Education Technologies for Adaptive Learning and Cognitive Skill Enhancement	M JEYAKARTHIC
4	ISPCC2K25_1043	Develop an Ensemble Transfer Learning with Vision Transformers Large Model for Diabetic Retinopathy detection at an earlier stage	Kamalakaran R Preethi G
5	ISPCC2K25_1048	Validation of Solar Irradiation Data Through Comparative Analysis of Cloud Cover and	Cesar Humberto Estrado Crisanto

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		Seasonal Trends	Nishant Jain
6	ISPCC2K25_1081	Investigating the impact and emerging trends of Artificial Intelligence (AI) in the bioenergy sector	AMIT SHRIVASTAVA
7	ISPCC2K25_297	Enhancing Citrus Disease Categorization with Deep Learning Optimization	Jyothi Talapaneni Thatikonda Radhika Dr. A. Soujanya Sridhar Reddy Vulapula Dr. Baddepaka Prasad

**SESSION 7A: (08<sup>th</sup> March, 2025, 12:00 pm– 01:30 pm) /ONLINE/CR4**

[meet.google.com/maq-ecqu-stq](https://meet.google.com/maq-ecqu-stq)

S.No	Paper ID	Title	Author
1	ISPCC2K25_279	Predictive Analytics and AI for Pancreatic Cancer Screening - A Data Driven Approach to Early Detection	Padmanabha Rao
			Amarachinta
			Sudheer Reddy
			Rajanikanth Aluvalu
2	ISPCC2K25_280	A Framework for Face Mask Detection and Face Recognition of Masked Images Using ResNet50 CNN with Multi-Task Learning and Cross-Attention Mechanism	RAM GOPAL SHARMA
			HITENDRA GARG
			LAW KUMAR SINGH
3	ISPCC2K25_374	Advanced Persistent Threat (APT) and Remote Access Trojan (RAT) Simulation and Mitigation	Subramanyam Challa
			Barathi kumar Rajasekar
			Kiruthika Devi B. S
4	ISPCC2K25_388	Breast Cancer classification using ensemble stacking	SHYAM SUNDAR
			KARTHIGEYAN
			Pradeesh Nandha
			Sneha G
5	ISPCC2K25_391	Revolutionizing Healthcare with Internet of Things for Real-time Monitoring: A Review	Mounika K
6	ISPCC2K25_936	Investigation on different color spaces for non-contact HR monitoring using facial videos	Arpita Panigrahi Hemant Sharma Atin Mukherjee
7	ISPCC2K25_156	Crop and weed image classification using machine learning algorithms	Namburu Chandana Azith



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SESSION 7B: (08<sup>th</sup> March, 2025, 12:00 pm– 01:30 pm /ONLINE/CR5


[meet.google.com/zza-tekd-fvf](https://meet.google.com/zza-tekd-fvf)

S.No	Paper ID	Title	Author
1	ISPCC2K25_542	Dual Band Rectifier for Energy Harvesting in Wi-Fi Systems Towards 5G and 6G Applications	VENKATA VEERA
			NAGAVAMSI ELURI
2	ISPCC2K25_583	Budget Friendly Smart Stick with Auditory Feedback for Blind Assistance in India	Abhishek Tripathi
			Prathyusha Bojjireddy
			N V Kanaka Supriya
			J Kavya Sasanka
			S Hari Murugan
			Gireesh G Soni
3	ISPCC2K25_610	Machine Learning-Driven Android Malware Detection: A Robust Approach	R C Gurjar
			B. S. Kiruthika Devi
			K.S.Sarvesvaraan Sudhakar
4	ISPCC2K25_623	Interpretable Deep Learning for Alzheimer Disease Classification: Integrating XAI for Trustworthy AI-Assisted Diagnosis	Ramesh Srinivasan
			ANKITA
			SURYAVANSHI VINAY KUKREJA
5	ISPCC2K25_677	Comprehensive Strategies for Enhanced Image Security: Encryption and Water Marking Techniques	Nafis Khan
6	ISPCC2K25_690	A Comprehensive Survey of Energy Harvesting Strategies for Wireless Sensor Networks: Methods, Challenges and Future Directions	Gautam Gupta Nikhil Marriwala Vijay Garg
7	ISPCC2K25_234	Tamil Text to Sign Language Avatar System: Enhancing Accessibility for the Hearing Impaired	SAIKISHOR M D UGHAN R
8	ISPCC2K25_1072	Advancing land cover classification with deep learning and satellite imagery	Shaik Zeenath Hunnisha

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**SESSION 7C: (08<sup>th</sup> March, 2025, 12:00 pm– 01:30 pm /OFFLINE/CR3**

S.No	Paper ID	Title	Author
1	ISPCC2K25_821	Ovarian Cyst Classification and Abnormality Detection Using Convolutional Neural Networks	Munish Sood
			Dr. EmjeePuthooran
			Dr. Nishant Jain
2	ISPCC2K25_993	Detecting the Undetectable: Deep Learning Model for Identification of Fake Images	ROHINI SINGH
			Ekta Gandotra
			Shruti Jain
3	ISPCC2K25_911	FPGA Implementation of Image Pre- processing module for Glaucoma Detection	Shilpa Kaushal
			harsh sohal
			shruti jain
4	ISPCC2K25_1047	Indirect Extended Forced Oscillation Method For PID Controller Design	balwindersingh
			Dhiraj SHRIVASTAVA
			BHARAT VERMA
5	ISPCC2K25_1049	Enhancing FPGA Security: An AI-Driven Approach to Root of Trust Architecture	Akash Gupta
			Yashoda Sharma
			Pratham Kaushik
6	ISPCC2K25_566	Lightweight Deep Learning Models for Facial Emotion Recognition: A Comparative Study	Isha Malhotra
			Manmeet Kaur
			Munish Kumar



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SESSION 7D: (08<sup>th</sup> March, 2025, 12:00 pm– 01:30 pm /ONLINE/CR6

[meet.google.com/vbk-dyvj-rg](https://meet.google.com/vbk-dyvj-rg)

S.No	Paper ID	Title	Author
1	ISPCC2K25_987	Sentiment Analysis of Spiritual Teachings: Ensemble Learning Applied to Twitter Religious Text and Bhagavad Gita	Nidhi Rohra
2	ISPCC2K25_1021	Enhancing the surveillance, assessment, and tracking of mental health and well-being among individuals using deep learning techniques	sireeshachittepu
			Sheshikala Martha
3	ISPCC2K25_1024	Design of Decision making module in NIC for PNG packet acceleration	Pooja R Aishwarya S Dhanush M R NandeeshSwamySudeendra Kumar K
4	ISPCC2K25_1035	Designing a Secure Campus Area Network with an Advanced DNS System	Shubham Kumar Mohit Tiwari Mohit Singh Ayush Gupta Azhar Shadab*
5	ISPCC2K25_1044	Real-Time Sign Language Translator: Bridging Communication Barriers with Mobile Machine Learning	Rashmi Makkar * Sorabh Gupta Mitu Sehgal Shally Nagpal
6	ISPCC2K25_924	Explainable AI for Hematological Diagnostics: Integrating Image Processing and LIME for Leukemia Detection	Sekar K. Bavashree GS Niraimathi A K Dheepa T
7	ISPCC2K25_901	Development of EMG based Epileptic Seizure Detection using LSTM Approach	Dr Siva Priyanka Rahul Raman B Rohit Sudhanshu Lakshmi Ajitha Gollapudi

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**SESSION 7E: (08<sup>th</sup> March, 2025, 12:00 pm– 01:30 pm /ONLINE/ECL6**

[meet.google.com/bye-twxx-ifv](https://meet.google.com/bye-twxx-ifv)

S.No	Paper ID	Title	Author
1	ISPCC2K25_700	A VERY COMPACT MICROSTRIP ANTENNA FOR SUB-6GHz APPLICATIONS	Jahnvi Tallaparthi
2	ISPCC2K25_785	Weed Identification and Classification in Mixed Crop Using Deep Learning Technique: A Review	Gulshan Kumar Chandani Sharma
3	ISPCC2K25_789	Comparative_Evaluation_of_Neural_Network_and_Agent_Based_Models_for_Organic_Chemistry_Reaction_Predictions.pdf	Kavya Pathuri
4	ISPCC2K25_824	Hybrid Approaches for Identification of Lung Cancer Using Image Processing	Sanjeev Kaulgud
5	ISPCC2K25_856	Certain Investigation in Optimizing User Experience through LSTM-Enhanced Movie Recommendations	DAMODHARAN PREMAVATHI T KUMAR PARMAR RITURAJ JAIN Sangeeta Rajole
6	ISPCC2K25_860	Machine Learning Enhanced Stress Assessment and Learning Outcome Analysis using Skin Conductance in Virtual Reality Environments	MOMOHAN B Mahalakshmi S Sunil Kumar Suman Santhoshkumar S Vigneshwaran P Monikarchana Y
7	ISPCC2K25_919	A ResNet Based Plant Disease Diagnosis Platform	sireeshachittepu* deepthi M Suchith B
8	ISPCC2K25_933	Effectiveness of CC-FO Hybrid controller over PID,FOTID,3DOF-PID for LFC of Solar, Wind & EV based multisource system	Soumya Kanti Bandyopadhyay Soumen Biswas Susanta Dutta Sidhartha Ghosh Aveek Chattopadhyaya



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