

# 1<sup>st</sup> International Conference on Next-Generation Networks and Deployable Artificial Intelligence (NGNDAI - 2025)

18<sup>th</sup> - 20<sup>th</sup> September 2025

Organised By

Department of Computer Science and Engineering

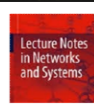
Motilal Nehru National Institute of Technology Allahabad, Prayagraj, India



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## Main Conference Schedule

September 18, 2025 (Thursday) (Day-I)

Time Duration (IST)	Program Descriptions		
09:00-10:00	Physical Registration		
10:00-11:00	Inauguration (Venue: Seminar Hall)		
11:00-11:30	High Tea		
11:30-12:15	Inaugural Talk by Dr. Aditya Nigam, IIT Mandi, India Title: Foundational Models in Deep Learning: Efficient Adaptation at Scale Chair: Dr. Joohi Chauhan (Venue: Seminar Hall)		
12:15-13:00	Keynote Talk by Prof. Girija Chetty, University of Canberra, Australia Title: Multimodal Generative AI: Opportunities and Challenges Chair: Dr. Shashwati Banerjea (Venue: Seminar Hall)		
13:00-14:00	Lunch Break		
14:00-15:00	Technical Session - 1 Artificial Intelligence and Machine Learning-I Paper IDs: 10, 26, 114, 209, 547 Session Chair(s) Dr. Dushyant Kumar Singh Dr. Janani T (Venue: Lecture Hall 2)	Technical Session - 2 Advances in the IoT, Fog and Edge Computing and its Applications-I Paper IDs: 15, 39, 183, 308, 310 Session Chair(s) Dr. Dinesh Singh Dr. Subhasish Banerjee (Venue: Lecture Hall 3)	Technical Session - 3 Software Defined Smart Computer Networks-I Paper IDs: 171, 203, 327, 446, 552 Session Chair(s) Prof. Arun Prakash Dr. Ashish Kumar Maurya (Venue: Lecture Hall 4)
15:15-16:00	Industry Talk by Mr. Manish Bajpai, COO & Head-Products, Nivetti Title: Evolution of Networks in the AI era Chair: Dr. Indu Dohare (Venue: Seminar Hall)		
16:00-16:30	Tea Break		
16:30-17:30	Technical Session - 4 Advances in the IoT, Fog and Edge Computing and its Applications-II Paper IDs: 58, 353, 393, 406, 485 Session Chair(s) Dr. Nidhi Dr. Indu Dohare (Venue: Lecture Hall 2)	Technical Session - 5 Cognitive Computing and Brain-Inspired Systems-I Paper IDs: 51, 142, 207, 351, 457 Session Chair(s) Prof. Sonali Agarwal Dr. Kailash W. Kalare (Venue: Lecture Hall 3)	Technical Session - 6 Artificial Intelligence and Machine Learning-II Paper IDs: 29, 46, 72, 549, 550 Session Chair(s) Dr. Neeraj Chaudhary Dr. Vishal Srivastava (Venue: Lecture Hall 4)
19:00-21:00	Cultural Programme followed by Dinner 7:00 PM onwards (Venue: Seminar Hall)		
September 19, 2025 (Friday) (Day-2)			
09:00-10:00	Technical Session - 7 Software Defined Smart Computer Networks-II Paper IDs: 52, 348, 466, 545, 566 Session Chair(s) Dr. Swarnendu Kumar Chakraborty Dr. Shailendra Shukla (Venue: Lecture Hall 2)	Technical Session - 8 Artificial Intelligence and Machine Learning-III Paper IDs: 70, 278, 355, 337, 48 Session Chair(s) Lt. (Dr.) Divya Kumar Dr. Sanjeev Patel (Venue: Lecture Hall 3)	Technical Session - 9 Cognitive Computing and Brain-Inspired Systems-II Paper IDs: 54, 222, 419, 442, 575 Session Chair(s) Dr. Dileep Singh Sisodia Dr. Sujit Das (Venue: Lecture Hall 4)
10:15-11:00	Industry Talk by Mr. Anurag Pandey, Capability Head, Computer Vision, HCLTech, Noida Title: "From One-Size-Fits-All to Learning-You" - Reinforcement Learning in Hyper Personalization Chair: Dr. Pragya Dwivedi (Venue: Seminar Hall)		
11:00-11:30	Tea Break		

11:30-12:15	<b>Keynote Talk by Prof. Ram Bilas Pachori, IIT Indore, Indore, India</b> <b>Title: ML in signal processing framework for brain disease diagnosis</b> <b>Chair: Dr. Rajitha B.</b> <b>(Venue: Seminar Hall)</b>		
12:30-13:30	<b>Technical Session - 10</b> Artificial Intelligence and Machine Learning-IV Paper IDs: <b>491, 227, 325, 425, 516</b> <b>Session Chair(s)</b> Dr. Pankaj Pratap Singh Dr. Anuja Dixit <b>(Venue: Lecture Hall 2)</b>	<b>Technical Session - 11</b> Advances in the IoT, Fog and Edge Computing and its Applications-III Paper IDs: <b>16, 89, 53, 479, 501</b> <b>Session Chair(s)</b> Dr. Syed Taqi Ali Dr. J. Sathish Kumar <b>(Venue: Lecture Hall 3)</b>	<b>Technical Session - 12</b> Artificial Intelligence and Machine Learning-V Paper IDs: <b>187, 268, 502, 546, 518</b> <b>Session Chair(s)</b> Dr. Pragya Dwivedi Dr. Upendra Mishra <b>(Venue: Lecture Hall 4)</b>
13:30-14:30	<b>Lunch Break</b>		
14:30-15:15	<b>Keynote Talk by Prof. Sukumar Nandi, IIT Guwahati, Guwahati, India</b> <b>Title: Towards Next Generation Networks: Device-to-Device Communication with AI Native 6G</b> <b>Chair: Dr. Dinesh Singh</b> <b>(Venue: Seminar Hall)</b>		
15:30-16:30	<b>Technical Session - 13</b> Advances in the IoT, Fog and Edge Computing and its Applications-IV Paper IDs: <b>62, 66, 293, 440, 555</b> <b>Session Chair(s)</b> Dr. Ranvijay Dr. Anoj Kumar <b>(Venue: Lecture Hall 2)</b>	<b>Technical Session - 14</b> Artificial Intelligence and Machine Learning-VI Paper IDs: <b>462, 563, 315, 415, 523</b> <b>Session Chair(s)</b> Dr. Sarsij Tripathi Er. Rajesh Tripathi <b>(Venue: Lecture Hall 3)</b>	<b>Technical Session - 15</b> Software Defined Smart Computer Networks-III Paper IDs: <b>407, 433, 492, 497, 520</b> <b>Session Chair(s)</b> Dr. Shashwati Banerjea Dr. Abhinav Kumar Dr. Shaili Gupta <b>(Venue: Lecture Hall 4)</b>
<b>September 20, 2025 (Saturday) (Day-3)</b>			
9:30-10:30	<b>Technical Session - 16</b> Artificial Intelligence and Machine Learning-VII Paper IDs: <b>30, 319, 489, 131, 529</b> <b>Session Chair(s)</b> Dr. Avdhesh Gupta Dr. Saugata Roy <b>(Venue: Lecture Hall 2)</b>	<b>Technical Session - 17</b> Advances in the IoT, Fog and Edge Computing and its Applications-V Paper IDs: <b>313, 504, 508, 515, 527</b> <b>Session Chair(s)</b> Dr. Tulika Dr. Shashank Srivastava <b>(Venue: Lecture Hall 3)</b>	<b>Technical Session - 18</b> Artificial Intelligence and Machine Learning-VIII Paper IDs: <b>330, 513, 517, 567, 572</b> <b>Session Chair(s)</b> Dr. Manoj Wairiya Dr. Vibhor Kant <b>(Venue: Lecture Hall 4)</b>
10:30-11:15	<b>Industry Keynote Talk by Mr. Mehul Agarwal, Practice Head-AI Division, ERS, HCLTech</b> <b>Title: Deployable AI</b> <b>Chair: Dr. Anuja Dixit</b> <b>(Venue: Seminar Hall)</b>		
11:30-12:00	<b>Tea Break</b>		
12:00-13:00	<b>Keynote Talk by Prof. P. N. Suganthan, Qatar University, Qatar</b> <b>Title: Randomization Based Deep and Shallow Learning Methods for Classification and Forecasting</b> <b>(Venue: Seminar Hall)</b> <b>Chair: Dr. Shashank Srivastava</b>		
13:00-14:00	<b>Lunch Break</b>		
14:00-15:00	<b>Technical Session - 19</b> Artificial Intelligence and Machine Learning-IX Paper IDs: <b>68, 232, 354, 486</b> <b>Session Chair(s)</b> Dr. Ramji Dwivedi Dr. Rajitha B. <b>(Venue: Lecture Hall 2)</b>	<b>Technical Session - 20</b> Cognitive Computing and Brain-Inspired Systems-III Paper IDs: <b>198, 214, 331, 544</b> <b>Session Chair(s)</b> Dr. Abhimanyu Sahu Dr. Joohi Chauhan <b>(Venue: Lecture Hall 3)</b>	<b>Technical Session - 21</b> Cognitive Computing and Brain-Inspired Systems-IV Paper IDs: <b>264, 284, 289, 511, 574</b> <b>Session Chair(s)</b> Dr. Vibhav Prakash Singh Dr. Barenya Bikash Hazarika <b>(Venue: Lecture Hall 4)</b>
15:00-15:30	<b>Industry Session by Mr. Sudhanshu Ojha, D-Link India Ltd.</b> <b>Title: D-Link Capabilities to address Future of Technology</b> <b>(Venue: Seminar Hall)</b> <b>Chair: Dr. Indu Dohare</b>		
15:30-16:00	<b>Valedictory Session</b> <b>(Venue: Seminar Hall)</b>		
<b>Contact Details</b>			
Email id: ngndai@mnnit.ac.in      Website: <a href="https://www.ngndai.mnnit.ac.in">https://www.ngndai.mnnit.ac.in</a> Mobile: +91-9999778726			