



विकसित भारत
अभियान
1947 TO 2047

13th International Conference on
Soft Computing for Problem Solving
(SocProS 2025)
Artificial Intelligence for Viksit Bharat



February 24th -26th, 2025
Department of Applied Mathematics and Scientific Computing
Indian Institute of Technology Roorkee, India

Detailed Schedule for the SocProS 2025

Day 1(24 February 2025) Venue: MAC Auditorium, IITR			
08:30 Onwards	Registration		
10:00 - 11:00	Inauguration		
11:00 - 11:45	High Tea		
11:45 - 12:30	Plenary Talk 1 (Prof. Andries Engelbrecht) Session Chair: Prof. Rajan Arora Volunteers- Hrishikesh, Shubham		
12:30 - 1:15	Plenary Talk 2 (Prof. Christian Blum) Session Chair: Prof. Jaydev Volunteers- Om Tripathi, Shubham		
1:15 - 2:30	Lunch		
2:30 - 3:15	Plenary Talk 3 (Prof. David L Blunck) Session Chair: Prof. Pankaj Gautam Volunteers- Rohit Sharma, Shubham		
3:15-3:30	Tea		
Keynote Talk: Prof. A.K. Verma Time: 3:30 PM – 4:00 PM Session Chair: Prof. Kusum Deep, IITR Volunteers- Rutvij, Aditi Venue: CEC			
Day 1: 24 February 2025 Parallel Sessions (4 Sessions) and Poster Presentation (4:00 PM Onwards) 4:00 PM - 5:30 PM (8 Minutes Per Presentation) Venue: CEC			
Session 1 (8 Papers)	Session 2 (6 Papers)	Session 3 (6 Papers)	Session 4 (7 Papers)
Chairs- Dr. Sachin Kumar, DU, Prof. Ompal, DU Volunteers – Riya, Jyant	Chairs- Dr. Radha Gupta, DSCE Prof. SP Yadav, IITR Volunteers – Akhilesh, Aashu	Dr. Abhishek Tandon, DU (I. Talk) Dr. Gurjeet Kaur, DU (I. Talk) Chair- Prof. S K Gupta Volunteers – Dr. Mittu Walia, Anshika	Dr. Anu Gupta, DU (I. Talk) Dr. Sameer Anand, DU(I. Talk) Chair- Prof. Ameeya K. Nayak Volunteers – Abhishek Gupta, Shivam
58, 138, 341, 262, 242, 137, 183, 62	177, 144, 145, 185, 340, 46	322, 323, 70, 326, 172, 143	132, 265, 57, 119, 197, 298, 306
7:00 - 8:30	Cultural event		
8:30 Onwards	Conference Dinner		

Day 2 (25 February 2025)

Venue: CEC, IITR

Plenary Talk – Prof. Xin Yao
Time – 10 AM to 10:45 AM
Session Chair: Prof. Rajan Arora, IITR
Volunteers- Rutvij, Shivam

Tea Break (10:45-11:00)

Parallel Sessions (4 Sessions)
Time: 11:00 AM to 12:30 AM (8 Minutes Per Presentation)
Venue: CEC

Session 5 (7 Papers)	Session 6 (8 Papers)	Session 7 (7 Papers)	Session 8 (8 Papers)
Chairs- Prof. Chaman Kumar, IITR Prof. Xin Yao, Lingnan University Volunteers – Sumit, Saurabh	Chairs- Prof. SP Yadav, IITR Prof. Engelbrecht Stellenbosch Uni., RSA Volunteers- Atul, Rajkumar	Chairs- Dr. Sushil Kumar, NITKKR Prof. Christian Blum, SNRC Spain Volunteers- Aarti, Divyanshu	Chairs- Prof. Rajan Arora, IITR Dr. Kuldeep Kumar, NITKKR Volunteers- Om, Arindam
150, 218, 86, 82,156, 277, 307	348, 282, 318, 78, 228, 231, 107, 272	168, 173, 38, 142, 241, 195, 336	327, 335, 311, 135, 210, 165, 97

Lunch Break

Parallel Sessions (4 Sessions)
Time: 2:00 PM to 3:30 AM (8 Minutes Per Presentation)
Venue: CEC

Session 9 (7 Papers)	Session 10 (5 Papers)	Session 11 (6 Papers)	Session 12 (6 Papers)
Chairs- Prof. Madhu Jain, IITR Dr. Richa, MSU, SRE Volunteers – Akshita, Apurba	Chairs- Prof. Sumit Yadav, IITR Dr. KL Lachhwani, NITTTR Volunteers – Princy, Prakhar	Chairs- Prof. Manu Gupta, IITR Mr. Manish Kumar, DU Volunteers – Rutvij, Mansi	Chairs- Prof. Pankaj Gautam, IITR Mr. Abhishek Gupta, GBPIET Volunteers – Aashu, Rajesh
152, 286, 66, 83, 88, 50, 171	65, 266, 154, 276, 278	43, 163, 40, 249, 93, 147	337, 159, 16, 104, 338, 352

Tea Break

Parallel Sessions (4 Sessions)
Time: 3:45 PM to 5:15 PM (8 Minutes Per Presentation)
Venue: CEC

Session 13 (8 Papers)	Session 14 (8 Papers)	Session 15 (6 Papers)	Session 16 (7 Papers)
Chairs- Prof Jaydev, IITR Dr. Awadh Pratap Singh, UPES Dehradun Volunteers – Yogesh, Pawan	Chairs- Prof. R. Balasubramanian, IITR Dr. Prince Solanki, IILM University Volunteers – Ashish, Aditi	Chairs- Prof. Ankik Giri, IITR Dr. Hira Zaheer, GNIOT Volunteers – Hrishikesh, Siddhartha	Chairs- Prof. SS Sanga, SVNIT Prof. Uday Singh, IITR Volunteers – Urvashi, Akshata
84, 297, 18, 45, 89, 221, 87, 32	202, 139, 319, 283, 116, 60, 51	273, 328, 312, 114, 315, 151	324, 275, 44, 229, 256, 334, 254

Dinner- 8 PM Onwards

Day 3 (26 February 2025)

Venue: Saharanpur Campus (IITR)

Parallel Sessions (2 Sessions)

Time: 10:00 AM to 11:00 AM (8 Minutes Per Presentation)

Venue: Lecture Hall, Department of Applied Mathematics & Scientific Computing

Session 17 (7 Papers)

Chairs-

Dr. Pravesh Kumar, REC Bijnor

Dr. Karuna, IITR

Volunteers –

Aniruddha, Debabrata

200, 220, 213, 264, 251, 299, 258

Session 18 (5 Papers)

Chairs-

Prof. V P Singh, Retd. Faculty IITR

Dr. Meenu Singh, Czech Rep.

Volunteers –

Aarti, Vineet

310, 252, 295, 174, 349

Plenary Talk – Prof. Vaclav Snasel

Time – 11:15 AM to 12:00 PM

Venue- Committee Hall, IIT Roorkee Saharanpur Campus

Session Chair: Prof. Rajan Arora, IITR

Volunteer- Aditi, Shubham

Valedictory Session

12:00 PM Onwards

Lunch

End of The Conference