

1st International Workshop

on

Image Processing and Pattern Recognition

29th March, 2018

Organized by

Department of Computer Science & Engineering

(NBA Accredited)



About the programme

The Pattern recognition is the scientific discipline in the field of computer science whose goal is the classification of objects into a number of categories or classes. These objects can be signal waveforms (one - dimensional signals), images (two -or three-dimensional signals), abstract data or any type of measurements that need to be classified. The objects are referred using the generic term patterns. Pattern recognition techniques are an important component of machine intelligence systems and are used for data preprocessing, feature extraction, as well as decision making or classification. Pattern recognition techniques overlap with areas such as: signal processing, artificial intelligence, neural modelling, optimization/estimation theory, and others.

Pattern recognition applications include:

Image analysis, machine and computer vision, optical character recognition, computer - aided diagnosis, speech recognition and understanding, biometric based identification (face, iris, fingerprint, speaker and gait recognition, etc.), seismic and radar signal analysis.

Number of participants: 115

Programme Objectives:

- To understand the concept of Image Processing, Machine Learning & Deep Learning.
- To provide an exposure of recent
- advancements in Image Processing and

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- Pattern Recognition.To provide hands-on-experience of best
- practices for Pattern Recognition.

The List of topics to be covered:

- Conceptual understanding of Image Processing.
- Image Processing and Patten Recognition.
- Research Scope in Image Processing.
- Artificial neural networks (ANNs), Three-multi-layer perceptron, Error-backpropagation learning algorithm.
- Feature Selection: Independent Component Analysis (ICA), MDF (PCA+ LDA)
- Convolutional Neural network for Image Processing
- Case Studies: Character recognition using
- Feed Forward Back Propagation Networks.

Resource Persons:

- **Prof. Sloobodan Ribaric**
University of Zagreb,
Faculty of Electrical Engineering and Computing,
Croatia.
- **Dr. Neeta Nain**
Department of Computer Science & Engineering,
Malaviya National Institute of Technology Jaipur,
India.
- **Dr. Yogesh Kumar Meena**

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Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

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SN	Name of Participant	College Name
1	Dr. Ramesh C Poonia	Amity University, Jaipur, Rajasthan
2	Mr. Ashish Pant	Vivekanand Global University, Jaipur
3	Dr. Yudhveer Singh	Amity University, Jaipur, Rajasthan
4	Dr. Sandeep Kumar	Amity University, Jaipur, Rajasthan
5	Dr. Vijander Singh	Amity University, Jaipur, Rajasthan
6	Dr. Linesh Raja	Amity University, Jaipur, Rajasthan
7	Mr. Sanjay Jain	Amity University, Jaipur, Rajasthan
8	Mr. Pankaj Agarwal	Amity University, Jaipur, Rajasthan
9	Mr. Deepak Panwar	Amity University, Jaipur, Rajasthan
10	Mr. G.L. Saini	Amity University, Jaipur, Rajasthan
11	Dr. N.P. Lamba	Amity University, Jaipur, Rajasthan
12	Mr. Ravishankar Sharma	JECRC University, Jaipur
13	Mr. Gajanand Sharma	JECRC University, Jaipur
14	Dr. Mukesh Kumar Gupta	SKIT, Jaipur
15	Dr. Basant Agarwal	SKIT, Jaipur
16	Dr. Shubhra Saxena	SKIT, Jaipur
17	Mr. Neeraj Dhawan	SKIT, Jaipur
18	Mr. Mahender Kumar Beniwal	SKIT, Jaipur
19	Mr. Pankaj Dadheech	SKIT, Jaipur
20	Mr. Sunil Dhankhar	SKIT, Jaipur
21	Mr. Manoj Kumar Nama	SKIT, Jaipur
22	Mr. Mehul Mahrishi	SKIT, Jaipur
23	Mr. Vinod Kataria	SKIT, Jaipur
24	Mr. Ashish Sharma	SKIT, Jaipur
25	Ms. Nidhi Srivastava	SKIT, Jaipur
26	Mr. Tapas Badal	SKIT, Jaipur
27	Mr. Vinod Kumar Menaria	SKIT, Jaipur
28	Ms. Anjana Sangwan	SKIT, Jaipur
29	Ms. Kajal Mathur	SKIT, Jaipur
30	S. Sarabjeet Singh Sethi	SKIT, Jaipur
31	Ms. Ruchika Jain	SKIT, Jaipur
32	Ms. Priyanka	SKIT, Jaipur
33	Ms. Deepa Modi	SKIT, Jaipur
34	Ms. Deepti Khanduja	SKIT, Jaipur
35	Ms. Neha Kaliya	SKIT, Jaipur
36	Mr. Ganpat Singh Chauhan	SKIT, Jaipur
37	Mr. Pankaj Kumar Jadwal	SKIT, Jaipur
38	Mr. Neeraj Garg	SKIT, Jaipur
39	Ms. Rashmi Dadhich	SKIT, Jaipur
40	Ms. Neha Mathur	SKIT, Jaipur
41	Ms. Aakriti Sharma	SKIT, Jaipur
42	Mr. Girish Sharma	SKIT, Jaipur
43	Mr. Kailash Soni	SKIT, Jaipur
44	Ms. Garima Gupta	SKIT, Jaipur
45	Ms. Priyanka Sharma	SKIT, Jaipur



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SN	Name of Participant	College Name
46	Ms. Shalini Singhal	SKIT, Jaipur
47	Ms. Shanu Tripathi	SKIT, Jaipur
48	Ms. Ankita Tripathi	SKIT, Jaipur
49	Dr. Sanwta Ram Dogiwal	SKIT, Jaipur
50	Dr. Sunita Gupta	SKIT, Jaipur
51	Mr. Vipin Jain	SKIT, Jaipur
52	Mr. Naveen Jain	SKIT, Jaipur
53	Ms. Poonam Varshney	SKIT, Jaipur
54	Ms. Richa Rawal	SKIT, Jaipur
55	Ms. Sanju Choudhary	SKIT, Jaipur
56	Ms. Anjali Pandey	SKIT, Jaipur
57	Ms. Dolly Mittal	SKIT, Jaipur
58	Ms. Suman Sharma	SKIT, Jaipur
59	Ms. Nikhar Bhatnagar	SKIT, Jaipur
60	Ms. Vijeta Khicha	SKIT, Jaipur
61	Ms. Tanu Shree Dhiran	SKIT, Jaipur
62	Ms. Shobha Sharma	SKIT, Jaipur
63	Akanksha Agarwal	SKIT, Jaipur
64	Akash Bhardwaj	SKIT, Jaipur
65	Akbar Ali Khan	SKIT, Jaipur
66	Akshay Bansal	SKIT, Jaipur
67	Alok Raj	SKIT, Jaipur
68	Aman Goyal	SKIT, Jaipur
69	Aman Jain	SKIT, Jaipur
70	Amrin Nagma	SKIT, Jaipur
71	Anisha Jindal	SKIT, Jaipur
72	Ankit Goyal	SKIT, Jaipur
73	Ankit Goyal	SKIT, Jaipur
74	Ankit Kumar	SKIT, Jaipur
75	Anmol Gupta	SKIT, Jaipur
76	Anshu Mulchandani	SKIT, Jaipur
77	Anshul Kumar Garg	SKIT, Jaipur
78	Anuj Chhabra	SKIT, Jaipur
79	Anuj Jain	SKIT, Jaipur
80	Apoorva Gupta	SKIT, Jaipur
81	Archit Bohra	SKIT, Jaipur
82	Archit Mathur	SKIT, Jaipur
83	Arpit Yadav	SKIT, Jaipur
84	Arushi Bhagwati	SKIT, Jaipur
85	Ashi Singhal	SKIT, Jaipur
86	Ashutosh Gurjar	SKIT, Jaipur
87	Asim Nagra	SKIT, Jaipur
88	Asmita Purohit	SKIT, Jaipur
89	Aviral Agarwal	SKIT, Jaipur
90	Avneet Kaur	SKIT, Jaipur



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91	Ayushi Gupta	SKIT, Jaipur
92	Ayushi Khandelwal	SKIT, Jaipur
93	Bhavesh Garg	SKIT, Jaipur
94	Bhavya Kantiwal	SKIT, Jaipur
95	Bhawesh Singh	SKIT, Jaipur
96	Bhawna Mendiratta	SKIT, Jaipur
97	Bhumi Vijay Shah	SKIT, Jaipur
98	Bhupendra Kumawat	SKIT, Jaipur
99	Charchit Sharma	SKIT, Jaipur
100	Harshita Jain	SKIT, Jaipur
101	Hassaan Ahmed Alvi	SKIT, Jaipur
102	Heena Hariramani	SKIT, Jaipur
103	Heena Porwal	SKIT, Jaipur
104	Hemant Agarwal	SKIT, Jaipur
105	Himanshu Garg	SKIT, Jaipur
106	Himanshu Satija	SKIT, Jaipur
107	Himanshu Sharma	SKIT, Jaipur
108	Isha Vyas	SKIT, Jaipur
109	Ishanya Ashutosh Keshodhan	SKIT, Jaipur
110	Jacky Gamot	SKIT, Jaipur
111	Jai Singhal	SKIT, Jaipur
112	Jyotirmay Agrawal	SKIT, Jaipur
113	Kapil Jain	SKIT, Jaipur
114	Karan Gopal Gaur	SKIT, Jaipur
115	Karan Suthar	SKIT, Jaipur