

Schedule: Three Days Workshop on Big Data Systems, Tools & Applications
Jaypee Institute of Information Technology, Sec 62, NOIDA
December 17-19, 2018

Day 1: 17 December 2018

Venue: LT 4, ABB II

10:00	Inauguration Ceremony
10:15- 10:30	Registration & Tea

Session - I

10:30-12:00	<p>Prof. Tanmoy Chakraborty IIIT, Delhi Talk Title: Collusion in Online Social Networks Tanmoy is an Assistant Professor and a Ramanujan Fellow at the Dept. of Computer Science & Engg., IIIT Delhi, India. Prior to this, he was a postdoctoral researcher at the Dept. of Computer Science, University of Maryland, College Park, USA. He completed his Ph.D as a Google India PhD fellow at IIT Kharagpur, India in 2015. His primary research interests include social network analysis, Data Mining, and Natural Language Processing. He has received several awards including Google India Faculty Award, Early Career Research Award, DAAD Faculty award, Best reviewer award in WWW'18, best PhD thesis award by Xerox Research, IBM Research and Indian National Academy of Engineering (INAE). He has been serving as a PC member of several conferences including WWW, NAACL, AAAI, IJCAI, PAKDD. More information can be found at: http://faculty.iiitd.ac.in/~tanmoy/</p>
12:00-13:00	<p>Ms. Shreya Khare, IBM Research Talk Title: Deep learning and insights into solving real-world problems Shreya Khare is a software engineer at IBM Research Labs. Her research interests include Machine Learning, Speech Processing, Computer Vision and Natural Language Processing. She is currently working on democratizing deep learning models using visual IDE. The IDE aims to make deep learning accessible to all, by enforcing a standardization process using an intuitive drag and drop user interface. She has written many peer-reviewed conference papers. She has completed her MS by Research from IIT Madras where she had worked extensively on multimodal multimedia content analysis and its various application.</p>
Lunch Break (13:00-14:00)	

Session - II Venue: CL 3, ABB III

14:00-16:00	<p>Ms. Shreya Khare, IBM Research Hands-on Session: Developing a useful application using DL concepts like perceptron, convolution neural network, recurrent neural networks, and generative adversarial nets Note: Participants are requested to bring their laptops with the following installations: 1.Keras 2.Tensorflow It will be preferred to have python 3.6.x installation in a new python conda environment (https://uoa-eresearch.github.io/eresearch-cookbook/recipe/2014/11/20/conda/)</p>
16:00-16:15	Query Session & Research Discussion with Speaker

Tea (16:15-16:30)

Day 2: 18 December 2018

Venue: LT 4, ABB II

10:15- 10:30	Registration & Tea
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Session-III

10:30-11:30	<p>Prof. Prof. R.K. Aggarwal, JNU, Delhi Prof R.K. Agrawal is Professor and Dean, School of Computer & Systems Sciences, JNU New Delhi. He has a vast academic experience of over 20 years He has done his M. Tech, from Indian Institute of Technology, Delhi and received Ph.D, from University of Delhi, Delhi. Prof. Agrawal's areas of Interest and Specialization include Data Mining, Pattern Recognition and Security. He has to his credit a number of publications in these areas in top journals and conferences.</p>
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11:30-13:00	<p>Ms. Megha Rathi, IIIT Noida Talk Title: Data Analytics & Insights with R Megha Rathi is having 10 years of Teaching experience. She is presently working with Jaypee Institute of Information Technology, Noida (UP). During her teaching career, she has taught subjects like Data Mining, R Programming, Advanced Java, Software engineering, Database Systems, Operating System and Data Structure. She has completed many projects including research project of Xform generator at NIC, Delhi. She worked as project associate at IIT Delhi. Her interest research areas are Data Mining, Data Analytics, Health Science, Machine Learning, and Data Science.</p>
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Lunch Break (13:00-14:00)

Session - IV Venue: CL 3, ABB III

14:00-16:00	<p>Dr. Adwitiya Sinha & Ms. Megha Rathi Hands-on Session: Basics of R Analytics, Classification Techniques, Regression Analysis, Missing Data Handling, Visualization, Case Studies with Big Data</p> <p>Note: Participants are requested to bring their laptops with the following installations: RStudio It will be preferred to have Data Manipulation, Statistical & Visualization Packages in R.</p>
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16:00-16:15	Query Session & Research Discussion with Speakers
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Tea (16:15-16:30)

Day 3: 18 December 2018

Venue: CL 3, ABB III

Session - V

10:15- 10:30	Registration & Tea
10:30-12:30	<p>Dr. Parmeet Kaur & Dr. Anuja Arora Hands-on Session: MongoDB: Data storage, CRUD and aggregation operations Participants will learn : Data storage and analysis using the NoSQL technology, MongoDB. Developing a Python application with MongoDB as the backend</p> <p>Note: Participants are requested to bring their laptops with the installation of MongoDB 3.6 or higher and Python and Jupyter using the Anaconda Distribution.</p>
12:30-13:00	Query Session & Research Discussion with Speakers
Lunch Break (13:00-14:00)	
14:00	Valedictory Ceremony Venue: LT 4, ABB II