

1. Big Data Analytics: Recent Trends and Applications

Bilateral Workshop on “Big Data Analytics: Recent Trends and Applications”

Jointly organised by IIIT Allahabad and University of Peradeniya, Sri Lanka

December 13-14, 2017

Venue: Faculty of Engineering, University of Peradeniya, Sri Lanka.

Workshop Schedule

Day	Time	Title
Day1: Dec 13 th , 2017	8:00 AM – 9:00 AM	Registration
	9:00 AM – 9:10 AM	Lightning of Traditional Oil Lamp & amp; National Anthem
	9:10 AM – 9:20 AM	Welcome by the Workshop Coordinator (Ruwan Ranaweera)
	9:20 AM – 9:35 AM	Address By the Vice-Chancellor, University of Peradeniya
	9:35 AM – 10:00 AM	Address By the Chief Guest
	10:00 AM – 10:15 AM	Tea Break
	10:15 AM – 10:30 AM	Shifting to the Workshop Venue
	Session 1: Introduction to Data Science and Machine Learning	
	10:30 AM – 11:30 AM	Data Science and Machine Learning (Prof. Ashish Ghosh, ISI-Kolkata)
	11:30 AM – 12:30 AM	Big Data Trends and Challenges - 5Vs (Dr. Shekhar Verma, Professor, IIIT-Allahabad)
	12:30AM – 1:30 PM	Use of Machine Learning to Drive Physical Analytics of People Using Their Smart Phones and Wearables (Dr. Vinayak S. Naik, Associate Prof., IIIT-Delhi)
	1:30 PM – 2:30 PM	Lunch Break
	Session 2: Data Stream Computing	
	2:30 PM – 3:30 PM	Big Data Stream Analytics (Dr. Sonali Agarwal, Assistant Prof., IIIT-Allahabad)
	Session 3: Hands-on Experience and Exercises	
	3:30 PM – 4:30 PM	HDFS and MapReduce Design Patterns - Use cases with Hadoop version-2.6 (Mr. Bakshi Rohit Prasad, Senior Research Fellow, IIIT-Allahabad)
	4:30 PM – 4:45 PM	Tea Break
	4:45 PM – 5:45 PM	Data Ingestion: Hands-on with Kafka-0.10.2.1 and Flume-1.7.0 (Mr. Swapnil Dubey, Data Engineer @ Schlumberger)
	6 PM	Shifting to the Hotel for the Dinner
	7:00 PM to 10:00 PM	Workshop Dinner

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Day	Time	Title
Day2: Dec 14 th , 2017		Session 4: Adaptive Learning
	9:00 AM – 10:00 AM	Learning to Adapt Deep Neural Networks between Domains (Dr. Debdoot Sheet, Assistant Prof., IIT-Kharagpur)
		Session 5: Data Analytics & Real time Applications
	10:00 AM – 11:00 AM	Big Data Analytics in Robotics (Dr. G. C. Nandi, Professor, IIIT-Allahabad)
	11:00 AM – 11:30 AM	Tea Break
	11:30 AM – 12:30 AM	Data Analytics for Social Media (Dr. Durga Toshniwal, Associate Prof., IIT-Roorkee)
	12:30 AM – 1:30 PM	Scope of Machine Learning in Nanotechnology (Dr. M. Najim, Assistant Prof., MU Haryana)
	1:30 PM – 2:30 PM	Lunch Break
	2:30 PM – 3:30 PM	Big Data Analytics in Astrophysics (Dr. Pavan Chakraborty, Associate Prof., IIIT-Allahabad)
		Session 6: Hands-on Experience and Exercises
	3:30 PM – 4:30 PM	Big Data Processing Logic: Hands-on programming with Spark-2.1.0 (Mr. Bakshi Rohit Prasad, Senior Research Fellow, IIIT-Allahabad)
4:30 PM – 5:30 PM	Big Data Visualization: Hands-on with Graphana-4.3.2 and Kibana-5.4.1 (Mr. Swapnil Dubey, Data Engineer @ Schlumberger)	
5:30 PM – 6:30 PM	Tea and Closing Ceremony	

Resource Personals

Dr. Sonali Agarwal
Workshop Convener

Assistant Professor, IIIT-Allahabad



Dr. Debdoot Sheet

Assistant Professor, IIT-Kharagpur



Dr. C.G.Nandi
Professor, IIIT-Allahabad



Dr. Vinayak Shashikant Naik
Associate Professor, IIIT-Delhi



Dr. Ashish Ghosh
Professor, ISI Kolkata



Mr. Bakshi Rohit Prasad
Senior Research Fellow, IIT-Allahabad



Mr. Swapnil Dubey
Data Engineer @ Schlumberger



Dr. Durga Toshniwal
Associate Professor, IIT-Roorkee



Dr. Shekhar Verma

Professor, IIIT-Allahabad



Dr. Pavan Chakraborty

Associate Professor, IIIT-Allahabad



Dr. Mohd Najim

**Assistant Prof., MM Engineering College,
Maharishi Markandeshwar University,
Ambala**

