Short-term Course on Selected Topics in Data Science (STCDS- 2015)

14th Dec. - 18th Dec., 2015

Dr. Bidyut Kumar Patra
Convener

Dr. Korra Sathya Babu
Co-Convener

Organized by

Department of Computer Science and Engineering,
National Institute of Technology,
Rourkela - 769008, Orissa.
Web: www.nitrkl.ac.in

About the Course

Data Science refers to an emerging area of work concerned with the collection, preparation, analysis, visualization, management, and preservation of large collection of information. Although the name Data Science seems to connect most strongly with areas such as databases and computer science, many different kinds of skills – including non-mathematical skills- are needed. This skillset span a variety of disciplines and are not easy to obtain through conventional curricula. This course tours the basic techniques of data science, including massive data management (e.g., MapReduce), algorithms for data mining (e.g., clustering, classification and association rule mining), and applications of machine learning algorithms in various domains (e.g., recommender systems, sentiment analysis).

The aim of the short-term course on "Selected Topics in Data Science" is to bring together the researchers, practitioners and students belonging to data science and provide hands on practice to the communities as well as to stimulate discussion about the core open problems and to define a shared research agenda.

Topics

The course aims to cover the following aspects of Data science.
- ❖ Advanced Classification Techniques
- ❖ Recent Developments in Clustering
- ❖ Privacy Preserving Techniques
- ❖ Sentiment Analysis
- ❖ Recommender Systems
- ❖ Deep Learning
- ❖ Social Network Analysis

Who Can Apply ?

Faculties, researchers from industries and Institutes, graduate and post graduate students working in the areas of Data Science may register for the course.

How To Apply?

Interested participants may send their application in prescribed format along with the registration fees through demand draft in favor of Convener, STCDS-2015, Payable at SBI, NIT campus Rourkela on or before 1st December, 2015 addressed to Dr. Bidyut Kumar Patra, Convener STCDS-2015, Department of Computer Science and Engineering, National Institute of Technology, Rourkela, PIN-769008, Orissa.

Registration Fee

Faculties	Rs. 7000/-
Employees from Industry and R&D Organizations	Rs. 10000/-
Research scholars & students	Rs. 6000/-

The registration fees include course materials and working lunch for all the days of the event. Accommodations will be provided to the participants in the Institute guest house sharing basis.

Speakers

Dr. Korra Sathya Babu, NIT Rourkela

Dr. Bidyut Kumar Patra, NIT Rourkela

Dr. Partha Pakrey, NIT Mizoram

Dr. Tanmay Chakraborty, Vidyasagar University

IMPORTANT DATES

- Receiving filled up applications: 1st December 2015
- Intimation by e-mail: 5th December

Organizing Committee

Prof. S. K. Jena
Prof. A. Nandi
Prof. B. D. Sahu
Prof. P.K. Sa
Prof. B. Majhi
Prof. M. N. Sahoo
Prof. .S. K. Rath
Prof. S. Mohanty
Prof. A. K. Turuk
Prof. S. Pyne
Prof. R. Dash
Prof. R. Nasker
Prof. R. Mohapatra
Prof. S. Chinara
Prof. D. P. Mohapatra
Prof. P. M. Khillar
Prof. S. Bhakshi

CORRESPONDENCE

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REGISTRATION FORM

Name: …………………………………

Designation:………………..

Affiliated to:……………….…………

Address for communication:

 ……………………………………………

……………………………………………….

E-mail:…………………………

Phone: …………………………….

Amount:……………………….

D. D. No. :…………Drawn on :…..…

Bank:…………………………

Accommodation if required: YES /NO

Date and time of arrival: ……………...

Signature of candidate: …………

Schedule

Date	Time	Topic/Event
December 14, 2015 (Monday)	09.00 – 09.30	Inaguration
	09.45 – 11.15	Introduction to Data Science
	11.30 – 13.00	Advanced Classification Techniques
	14.30 – 16.30	Laboratory
December 15, 2015 (Tuesday)	09.30 – 11.00	Clustering Techniques
	11.15 – 12.45	Privacy preserving Techniques
	14.30 – 16.30	Laboratory
December 16, 2015 (Wednesda)	09.30 – 11.00	Sentiment Analysis
	11.15 – 12.45	Recommender Systems - I
	14.30 – 16.30	Laboratory
December 17, 2015 (Thursday)	09.30 – 11.00	Recommender Systems - II
	11.15 – 12.45	Social Network Analysis
	14.30 – 16.30	Laboratory
December 18, 2015 (Friday)	09.30 – 11.00	Deep learning
	11.15 – 12.45	Information Retrieval
	14.30 – 16.30	Data Science Meetup and Valedictory