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**Submit Duly filled registration form at**  
**ideaacerc2017@gmail.com**

## Venue



### Arya College of Engineering & Research Centre

SP-40, Kukas Industrial Area(RIICO), Jaipur- 302028

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## INTERNATIONAL WORKSHOP

ON

## Intelligent Data Exploration & Analysis -IDEA 2017

19<sup>th</sup> -20<sup>th</sup> December, 2017



Convener

Dr. Himanshu Arora

Organizing Secretary

Er. Sayar Singh Shekhawat

Organised by :

Department of Computer Science & Engineering

Arya College of Engineering & Research Centre

SP-40, Kukas, Ind. Area (RIICO), Jaipur --302028

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## Objective

The size of real-world data storage is getting increasingly large, Moreover, data is being collected at a very high speed in almost every sector of the modern society, from supermarket transactions to telephone calls, from electronic medical records to data generated by scientific instruments. The World Wide Web is probably the most notable medium for storing huge quantities of data (text, sound, images, etc.) generated by millions of people around the world. There is no doubt that the sheer quantity of data collected is currently far more than our capabilities of making good sense of them.

Data exploration, typically involves data quality checking (errors, outliers, missing values), data modification (variable transformation, error correction), data summary (summary statistics, tables, visualization), data dimensionality reduction (principal component analysis, correspondence analysis), use of other multivariate data-analytic techniques (multidimensional scaling, clustering), and informal use of inferential methods (multiple regression, significance tests).

Modern computational methods and tools are being developed which add further capability to traditional statistical analysis tools. These developments have created a new range of problems and challenges for analysts, as well as new opportunities for intelligent systems in data analysis. The workshop aims at discussing problems that have surfaced due to complexities being added in the system and newer techniques to resolve the tangle.

## About ACERC



Under the aegis of all India Arya Samajis Society, Arya College of Engineering & Research Centre became functional from the year 2007. This Institute is spread over 05 acres of capitulating landscape. The infrastructure is designed to challenge & stimulate the finest minds. This prime center of learning is committed to facilitate high quality technical education in the state of Rajasthan. This Institute believes in creating an academic environment that boost, a rigorous work culture with excellent teaching system.

## Theme

Machine Learning represents a key evolution in the fields of data analysis, software engineering, and artificial intelligence.. Machine Learning has enabled intelligent real life decision out of huge amounts of data by making relatively less errors. Machine learning is making computers, and many of the things like maps, search, recommending videos, translations, etc. better.

Machine learning is a set of techniques used to program computers and make decisions automatically. There are several types of ML algorithms and techniques for Data Analysis.

In Supervised learning, algorithm generates a function that predicts the output (continuous-regression or discrete-classification) based on given input variables. Another is unsupervised machine learning where there is only input data (grouping clusters or relative association) but no corresponding output variable. Algorithms are left to their own to discover and present the structure in the data.

In reinforcement learning on the other hand, the machine learns from the repercussions of its actions rather than from being explicitly taught. It is essentially trial-and-error learning where the machine selects its actions on the basis of its past experiences and new choices. In this, machine learns from these actions and tries to capture the best possible knowledge to make accurate decisions.

The workshop shall deliberate at length various aspects of modern machine learning for data analysis in present context.

## About Jaipur

THE PINK CITY OF INDIA Jaipur, the capital of Rajasthan, is one of the rare examples of an 18th Century town built after careful planning. It was established by Maharaja Sawai Jai Singh in the year 1727. Jaipur is predominantly known for its musicians, artisans and craftsmen. There are innumerable sagas and stories of the culture, traditions and practices associated with the city of Jaipur. This diverse land of rich culture and heritage is a royal treat for tourists from all over the world. Some of the most popular tourist destinations in Jaipur include: Hawa Mahal - the palace of winds, Amber Fort - capital of erstwhile Jaipur state, Jantar Mantar - the largest working observatory, City Palace - the residence of erstwhile Maharaja of Jaipur, Nahargarh Fort- the hunting residence of erstwhile maharajas and Jaigarh Fort. Jaipur is located approximately 270 km south of Delhi and 250 km west of Agra and is well connected to other parts of the country through air, rail and road transport.

## Important Dates

Last date for registration - 30-11-2017  
Last date of Fee Submission - 30-11-2017  
Reporting Date / Time - 19-12-2017 / 9:00 am

- **Limited Seats Available**
- **Accommodation is available on nominal rates.**

## Registration Details

- Rs. 500/- per Student Participant (UG)
- Rs. 700/- per student participant (PG/Ph.D.)
- Rs. 1000/- per participant (Industry)
- USD 50 for overseas participants
- Fee can be remitted in cash on or before 30-11-2017 or through DD drawn in favour of "Arya College of Engineering & Research Centre" payable at Jaipur.



## INTERNATIONAL WORKSHOP

ON

## Intelligent Data Exploration & Analysis -IDEA 2017



19<sup>th</sup> -20<sup>th</sup> December, 2017

### Registration Form

Name(Mr./Ms./Mrs.).....

Designation.....

Subject.....

College/Industry.....

Address.....

.....

.....

Contact no .....

E-mail.....

Accommodation Required (Yes / No) .....

Date. ....

Signature of Participant