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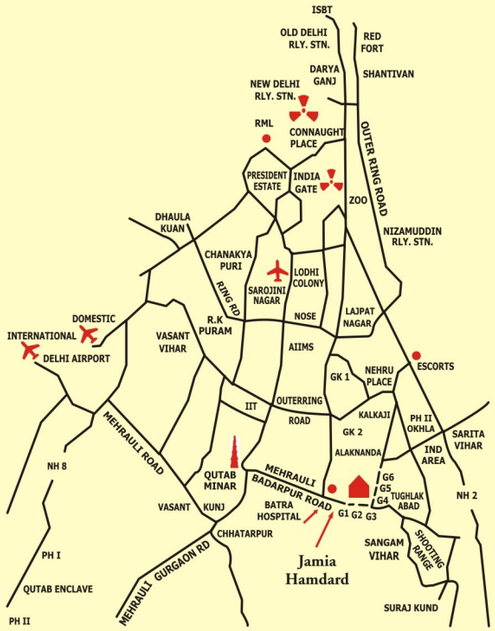
For registration details, please refer to the website
www.jamiahamdard.edu

Location of JAMIA HAMDARD



Science and Engineering Research Board (SERB)
Department of Science and Technology (DST)
Govt. of India

SERB-DST (Govt. of India) Sponsored National Workshop

On

Challenges and Opportunities in Data Analytics and its Applications

DATA ANALYTICS 2017

on Monday, 16th October 2017
Timing: 09:30 am to 05:30 pm

Venue:
Hamdard Convention Centre,
Jamia Hamdard, New Delhi–110062

Department of Computer Science and Engineering
School of Engineering Sciences and Technology

Jamia Hamdard, New Delhi –110062
www.jamiahamdard.edu

Jamia Hamdard

The golden history of Jamia Hamdard began with the establishment of a small unani clinic in the year 1906 by Hakeem Hafiz Abdul Majeed, a well known practitioner of Unani system of medicine. Hakeem Hafiz Abdul Majeed had a vision of making the practice of Unani medicine a scientific discipline so that Unani medicine could be dispensed in a more efficacious manner to patients. He gave the name "Hamdard" to his venture which means "sympathy for all and sharing of pain". His illustrious son, Hakeem Hameed, carried forward the philosophy and objectives of Hamdard in independent India. For setting up a complex of research and educational institutions, Hakeem Abdul Hameed purchased a piece of land in Tughlaqabad area of South Delhi, which was hardly inhabited in those times. The first institution in the Tughlaqabad campus was the institution of History of medicine and medical Research, whose foundation stone was laid on November 15th , 1962 by Pandit Jawahar Lal Nehru, the former Prime minister of India. In 1963, Indian Institute if Islamic Studies was established, and in the same year Hamdard Tibbi College was setup in Gali Qasim Jaan, Old Delhi. It was later shifted to Jamia Hamdard campus in 1980 to provide education in Unani Medicine.

In 1964, Hamdard National Foundation was created with a view to receive and disburse the profits earned by the Hamdard Laboratories for the charitable cause of education, medical relief and advancement of knowledge. In 1972, Hamdard College of Pharmacy was setup with the objective of providing education and training in all branches of Pharmacy. The year 1989 saw the fulfilment of the dream of Hakeem Abdul Hameed, when Jamia Hamdard was given the status of Deemed to be University by the Ministry of Human Resource Development on 10th may 1989.

SERB

सत्यमेव जयते

Science and Engineering Research Board (SERB)
Department of Science and Technology (DST)
Govt. of India

The Science and Engineering Research Board (SERB) has its origin in the erstwhile Science and Engineering Research Council (SERC) of the Department of Science and Technology (DST), Government of India which was established more than four decades ago. In the year 2009 Parliament passed the bill to institute SERB, under the DST and the same started functioning in 2011. Since then it has many schemes to cater to the funding needs of different segments of researchers, and it funds across 'disciplines' and 'institutions'. SERB is attempting to take Indian science and engineering research funding to the next level in keeping pace with the challenges of the modern era and meeting the expectations of researchers. It aspires to transform India into a significant player in S &T in the global setting.

About the workshop

Data Analytics drives the industry forward, optimizing nearly every dimension of the business. The proposed national R&D workshop is in the area of Data Analytics-Challenges, Opportunities and its Applications. Attendees from all sphere will share the latest on advances and issues, dissect complex science and technology challenges in data science, and examine the new ways to improve by emerging machine learning and Artificial Intelligence techniques.

We believe that the recent advances and development in the landscape of the applications of data analytics technologies will make this workshop particularly relevant and unique in its scope. The main purpose of the workshop is to allow experts and the users to interact and associate different low-level performance activities with the high-level data flow, model, development and provide valuable insight into data and its applications in real time.

Objectives of the workshop

- To study the statistical approaches to data analytics and emerging machine learning and Artificial intelligence (AI) techniques
- The other key objectives for conducting this workshop is to spread out and analysis research potential among working professionals towards data management techniques and their predictive modelling and analytics tool. We will also train attendees and explore their skill in data with different tactic tools.
- To discuss the main research challenges in the area of data analytics and determine how the information and Communication Technology (ICT) community can contribute to these.
- To create societal impact through multidisciplinary interactions with government, academia, research and industrial collaborators on core challenges in the field of data science.

Topics to be covered

- Challenges and opportunities of data analytics
- Feature Engineering
- Statistical techniques in data analytics
- Intelligent Predictive Modeling
- Emerging Machine learning techniques
- Data Security and Privacy
- Crime Data Analytics

Resource persons

Faculty member from IIT, NITs, IIITs Universities and Experts from Industry

Target audience

In order to mobilize and sustainable development of working professionals to make them aware of the roles to play in promoting data technology. A major awareness campaign shall be launched to bring communities together and will be provided with sensitization training on the importance of data modeling and data analytics particularly for the faculty members, research scholars, students and industry.

Plan of activities

- Workshop provides training and curriculum development to strengthen the working professionals on challenges and opportunities of data analytics and its applications.
- The workshop is supported by the SERB, DST (Govt. of India), New Delhi and organized by department of Computer Science and Engineering, School of Engineering Sciences and Technology, Jamia Hamdard, New Delhi – 110 062.
- Due to limited seats, selection will be made on first cum first basis.
- There is no registration fee.
- Registered participants will be paid TA as per DST rules and on the availability of funds.
- Workshop materials will be provided to the registered participants.