



St. Wilfred's College for Girls

(Affiliated to University of Rajasthan)

Report Workshop on Data Science

Organized by

Department of Computer Science

Department of Computer Science organized one day **Workshop on Data Science** dated **15-11-2021** in College Campus. The workshop formally inaugurated with Lightening of Lamp by Honorable Guest **Dr. Minal Bhagthani HoD Department of Govt. College Jaipur** and **Dr. Richa Jain Assistant Professor Department of Computer Science S.S. Jain Subodh Girls College Sanganer Jaipur**, **Dr. Keshav Badaya Hon. Secretary**, St. Wilfred's Education Society and, **Dr. Manisha Tiwari Principal** and convener of the workshop, **Dr. Nikhita Mathur** organizing Secretary of workshop **Ms. Priyanka Bhasin** . Co-Convener of the workshop Inaugural with **Saraswati-Vandana** and lamp of lighting. The program was inaugurated by **Dr. Minal Bhagthani** along with an inaugural speech highlighting the importance of these technologies in present day context. **Session-1:** The first resource person **Dr. Minal Bhagthani** started her talk with an introduction to data warehousing and big data analytics. She moved on to elaborate HADOOP, the principal framework used for big data analytics, and explained in detail the techniques like HDFS and map reduce. The main objective of the workshop is to provide a clear understanding in the field of "Big Data". Big data is a field that treats ways to analyze, systematically extract information from, or otherwise deal with data sets that are too large or complex to be dealt with by traditional data processing application software. Data with many cases (rows) offer greater statistical power, while data with higher complexity (more attributes or columns) may lead to a higher false discovery rate. Big data challenges include capturing data, data storage, data analysis, search, sharing, transfer, visualization, querying, updating, information privacy and data source.

Session-2 Second resource person **Dr. Richa Jain** continued her discussion by elaborating various related technologies and visualization tools. She took up, ETL, Tableau and described these at great length. She his discussion with an introduction to cloud computing. Then he explained the service models and deployment models with a practical demonstration of AWS. **Dr. Nikhita Mathur** introduced students to a new technology, namely, Industry 4.0, and explained the various aspects of cyber-physical systems, Internet of Things, cloud computing and cognitive computing. The event was a successful one. The workshop was relevant to the title and were well-appreciated by the students. After completion of this workshop students have felt encouraged to explore these technologies further and to take up project work in these current areas.

All the faculties were participated. In valedictory function **Dr. Narendra Kumar Agrawal IQAC** head gave the vote of thanks. Outcome the discussed topics are very useful for the participants. All the sessions were very much interactive. Participants got the knowledge of most widely used advance technologies in this domain that is helpful for research activity and placement prospect.



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Manisha
Principal
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Lecturer Delivered by Dr. Manita Bhagtani



Technical session Of Workshop Conducted by Dr. Ruchi Jain



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