



Learn Beyond

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

Avinashi Road, Arasur, Coimbatore.

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CS033**NBA Accredited**

(CSE, ECE, EEE, MECH, CIVIL)

DATA CLEANING IN DATA SCIENCE: PROCESS, BENEFITS & TOOLS

Event No	CS033
Organizing Department	Computer Science and Engineering
Associate Dept. NSC	Computer Science and Engineering
Date	03/02/2023
Time	10:00 AM to 12:00 PM
Event Type	Guest Lecture
Event Level	Dept. Level
Venue	Galaxy Hall, Department of CSE, KPRIET
Total Participants	45
Faculty - Internal	3
Students - Internal	42

Related SDG



Resource Persons

Sl	Type	Name	Designation	Company	Email	Phone
1	Chief Guest	Heena Firdaus	Data Analyst	Accenture Solutions Pvt Ltd, India	asheenafirdaus@gmail.com	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Nisha Soms	Co-convenor
2	Naveenkumar M	Co-convenor

Outcome

The Department of Computer Science and Engineering, KPRIET organized a guest lecture titled "Data Cleaning in Data Science: Process, Benefits & Tools" on 3rd Feb, 2023. Ms. Heena Firdaus, Data Analyst, Accenture Solutions Pvt Ltd, India gave her valuable knowledge and experience in data science. This guest lecture is an eye-opener for all students and faculty who are undergoing machine learning projects or similar and require datasets from known repositories available online. The session highlights the various steps to be undergone for data preparation involving data cleaning without which the algorithms will not be able to provide accurate results.

Event Summary

The Department of Computer Science and Engineering, KPRIET organized a guest lecture titled "Data Cleaning in Data Science: Process, Benefits & Tools" on 3rd Feb, 2023. Ms. Heena Firdaus, Data Analyst, Accenture Solutions Pvt Ltd, India gave her valuable knowledge and experience in data science. Data science combines math and statistics, specialized programming, advanced analytics, artificial intelligence (AI), and machine learning with specific subject matter expertise to uncover actionable insights hidden in an organization's data. These insights can be used to guide decision-making and strategic planning. This guest lecture is an eye-opener for all students and faculty who are undergoing machine learning projects or similar and require datasets from known repositories available online. A data set is a collection of related, discrete items of related data that may be accessed individually or in combination or managed as a whole entity. A data set is organized into some type of data structure. she elaborates on Data cleaning is the process of fixing or removing incorrect, corrupted, incorrectly formatted, duplicate, or incomplete data within a dataset. When combining multiple data sources, there are many opportunities for data to be duplicated or mislabeled. The session highlights the various steps to be undergone for data preparation involving data cleaning without which the algorithms will not be able to provide accurate results. At the end of the session, students and faculty personally interacted with Ms. Heena Firdaus, Data Analyst, Accenture Solutions Pvt Ltd, India regarding her company projects and our mini-projects to which she cleared every doubt patiently. Mr. Naveenkumar M, Assistant Professor, Department of Computer Science and Engineering, KPRIET delivered the vote of thanks.

KPR Institute of Engineering and Technology (Autonomous, NAAC "A")
Department of Computer Science and Engineering
Organizes an
Guest Lecture on
**Data Cleaning in Data Science:
Process, Benefits & Tools**

Resource Person
Ms Heena Firdaus A S
Data Analyst
Accenture Solutions Pvt Ltd
India

FRIDAY FEB 03 2022 10.00AM - 12.00AM

Galaxy Hall

Coordinators
Dr.Nisha Soms AP/CSE
Mr. Naveenkumar M AP/CSE

Convener
Dr N Yuvaraj
HoD/CSE

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Tutorial 1 :
Data Cleaning in
Excel

- ✓ Flash Fill
- ✓ Text to Columns
- ✓ Remove Duplicates
- ✓ Formulas
- ✓ Power Query

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BEST DATASET
RESOURCES

- ✓ Google Dataset Search
- ✓ Kaggle
- ✓ Data.Gov
- ✓ Open Government Data (OGD)
- ✓ Platform India
- ✓ UCI Machine Learning Repository
- ✓ World Data

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