

DATA ANALYTICS CLUB

DEEN DAYAL UPADHYAYA COLLEGE



OUR TEAM



PROF. ARPITA SHARMA

CONVENER

Department of Computer Science, DDUC

OUR TEAM



SUYASH SAXENA

EXECUTIVE

Department of Computer Science, DDUC



UMESH SUGARA

EXECUTIVE

Department of Computer Science, DDUC

JOURNEY TILL NOW



2021-22

2020-21

2019-20

2018-19

Seminar on Open Government Data - India

To introduce the students with the idea of the OGD platform in India which supports open data initiative of the Government of India.



Seminar on Open Government Data - India

2021-22

2020-21

2019-20

2018-19



TEACHER MEMBERS:

Dr. Arpita Sharma (CS), Dr. Yogeeta Mehra (BMS), Dr. Veena Jain (OR), Mr. Rajan Gupta (CS)

TEACHER ATTENDEES: 15

STUDENT ATTENDEES: 318

SPEAKERS:

- Mr. Sunil Babbar
Technical Director – NIC
- Mr. Akhilesh Srivastava
Senior Technical Project Manager – NIC
- Mr. Sitansu Sekhar Mahapatra
NIC



2021-22

2020-21

2019-20

2018-19

Data Analytics using Python

A 2 day hands-on workshop conducted by Data Analytics club and Optizone, Operational Research Society of Deen Dayal Upadhyaya College followed by a hackathon



Data Analytics using Python



STUDENT ATTENDEES:

35+

TEAMS IN HACKATHON:

10+

CONDUCTED BY:

- Dr. Arpita Sharma (DDU College)
- Ms. Sheetal Taneja (Dyal Singh College)
- Ms. Kirti Jain (Department of Computer Science, DU)
- Mr. Ankit Rajpal (DDU College)
- Mr. Rajan Gupta (DDU College)



2021-22

2020-21

2019-20

2018-19

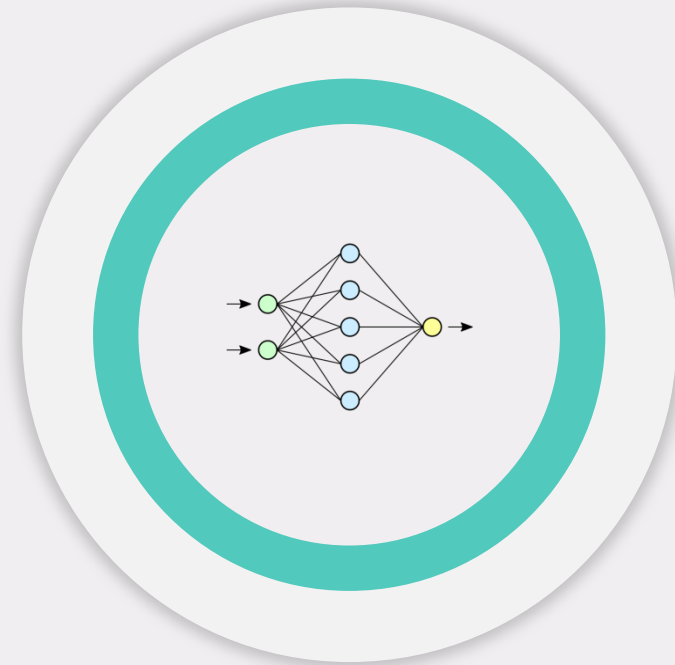
2021-22

2020-21

2019-20

Artificial Neural Networks – Inside Out

A 1-Day Hands-on workshop on Artificial Neural Networks mentored by experts from Amazon



2018-19

Artificial Neural Networks – Inside Out

SPEAKERS:

Mr. Alok Govil

– Principal Engineer, Amazon

Mr. Paurav Aggarwal

– Applied Scientist, Amazon

STUDENT ATTENDEES: 59

TEACHER ATTENDEES: 8

CONDUCTED BY:

- Dr. Arpita Sharma (DDU College)
- Dr. Veena Jain (DDU College)
- Dr. Ankit Rajpal (DDU College)
- Dr. Rajan Gupta (DDU College)



2018-19

2019-20

2020-21

2021-22

2021-22

2020-21

All about Data Science Projects

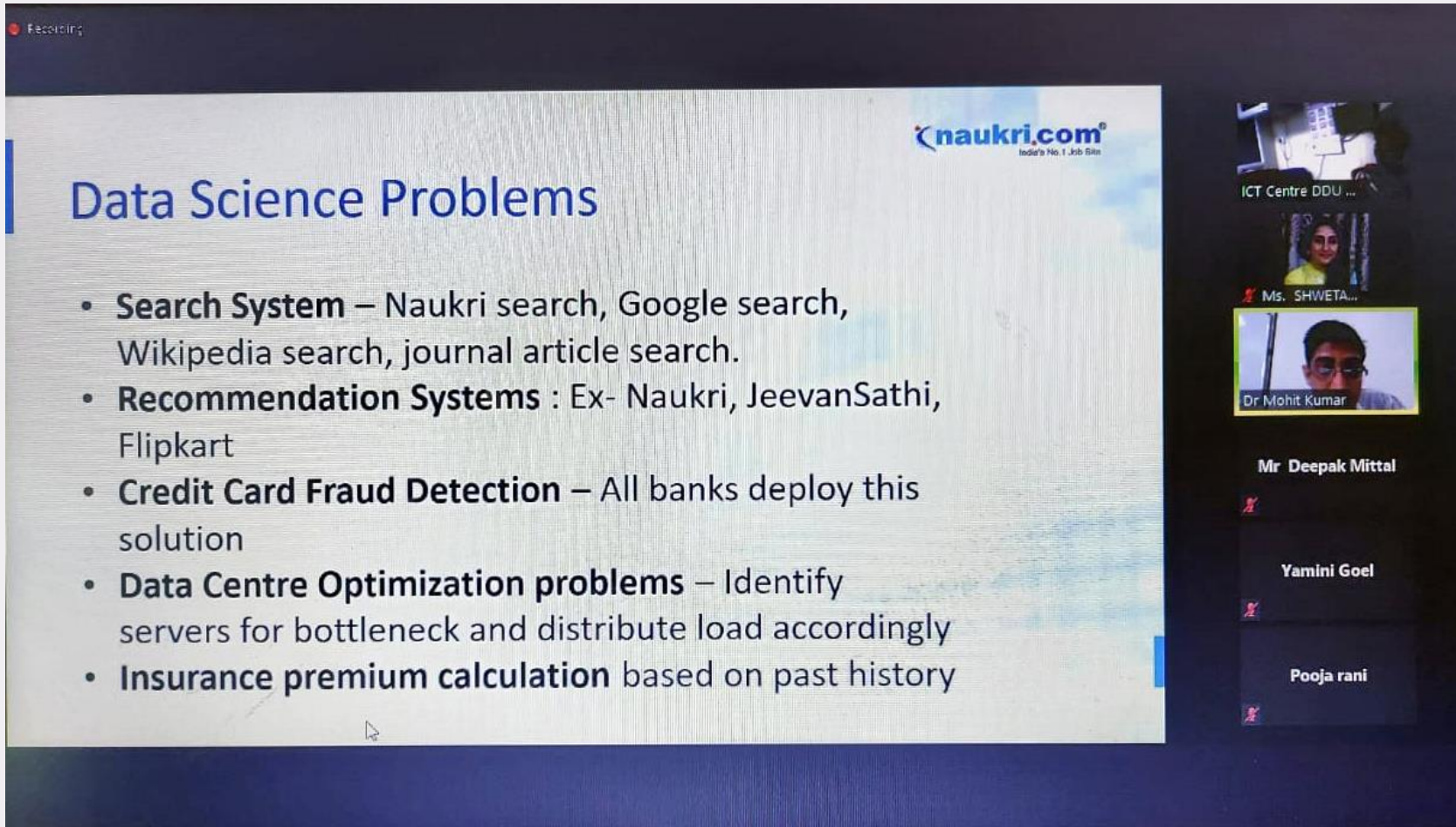
A 2 hour lecture on what is data science and its workflows along with detailed dives into case study projects such as 'Search Personalization' and 'Query Autocomplete'.



2019-20

2018-19

All about Data Science Projects



The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Data Science Problems" with the naukri.com logo in the top right corner. The slide lists five bullet points: Search System, Recommendation Systems, Credit Card Fraud Detection, Data Centre Optimization problems, and Insurance premium calculation. The right sidebar shows a list of participants with their names and small profile pictures. The names visible are ICT Centre DDU, Ms. SHWETA, Dr Mohit Kumar, Mr Deepak Mittal, Yamini Goel, and Pooja rani. The top left of the Zoom window shows a "Recording" status.

Recording

naukri.com
India's No. 1 Job Site

Data Science Problems

- **Search System** – Naukri search, Google search, Wikipedia search, journal article search.
- **Recommendation Systems** : Ex- Naukri, JeevanSathi, Flipkart
- **Credit Card Fraud Detection** – All banks deploy this solution
- **Data Centre Optimization problems** – Identify servers for bottleneck and distribute load accordingly
- **Insurance premium calculation** based on past history

Participants:

- ICT Centre DDU ...
- Ms. SHWETA...
- Dr Mohit Kumar
- Mr Deepak Mittal
- Yamini Goel
- Pooja rani

SPEAKER:

Dr. Mohit Kumar Goel,
Associate Vice President, InfoEdge

STUDENT ATTENDEES: 42

FACULTY ATTENDEES: 9

2019-20

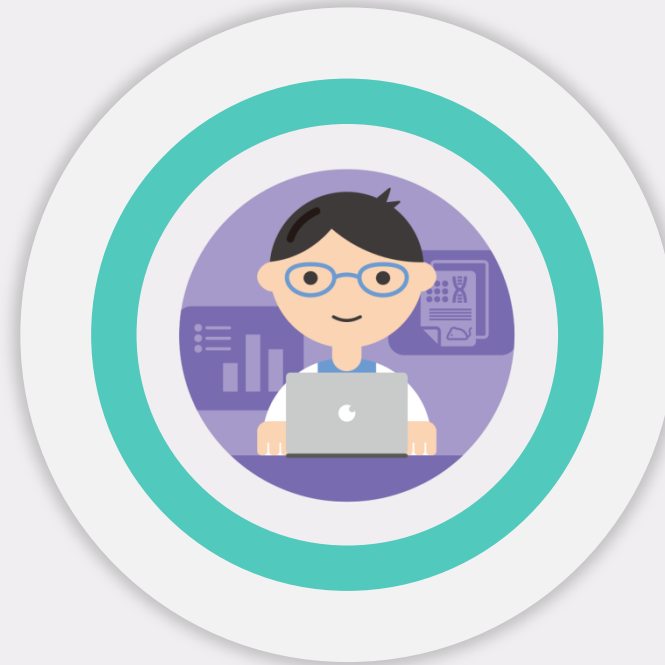
2018-19

2021-22

2020-21

Data Analytics – Need, Applications and Tools required

A 2 hour lecture on what is data science, data analytics, machine learning and all the buzzwords and how to create projects and pursue a career in Data Analytics.

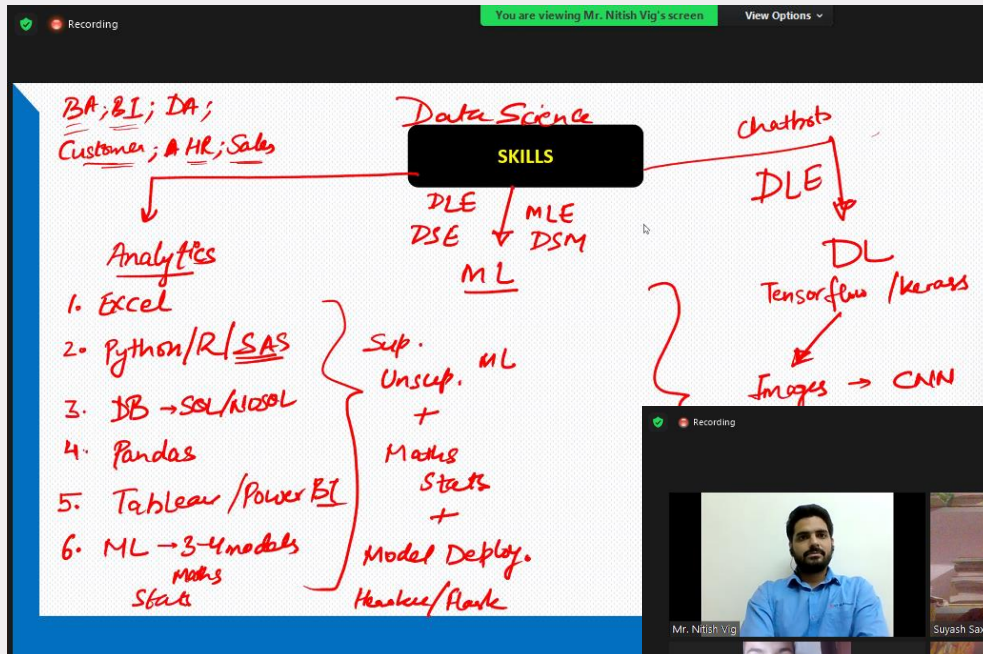


2020-21

2019-20

2018-19

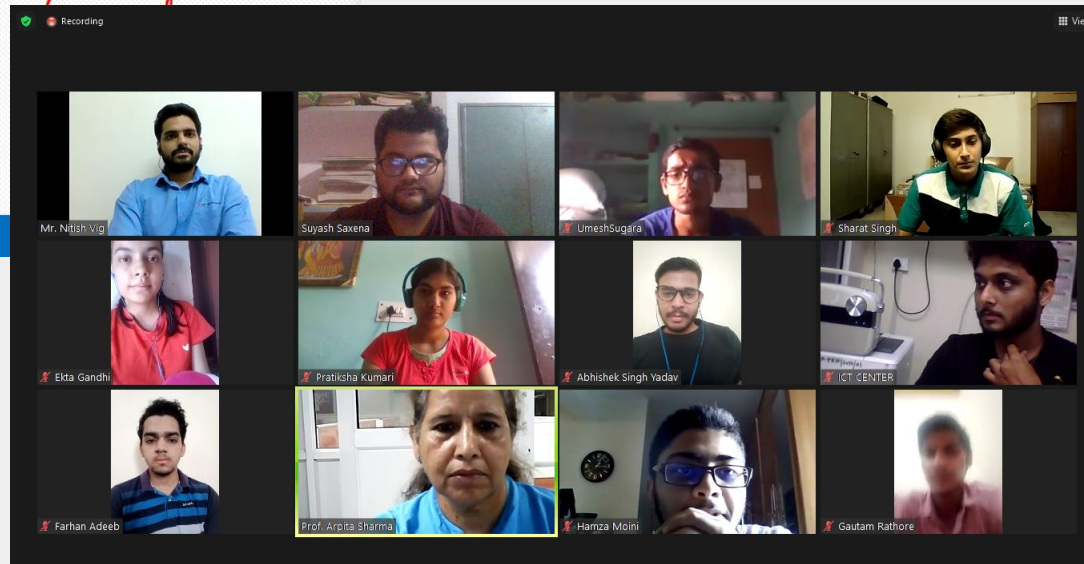
Data Analytics – Need, Applications and Tools required



SPEAKER:

Mr. Nitish Vig, Business Analyst
at Trejhara Solutions

STUDENT ATTENDEES: 25+



CONDUCTED BY:

Dr. Arpita Sharma (DDUC)

2020-21

2019-20

2018-19

2021-22

Training your First Machine Learning Model

A 4-day hands-on workshop on how to train your first machine learning model starting collecting and cleaning raw data all the way to training a regression or classification model

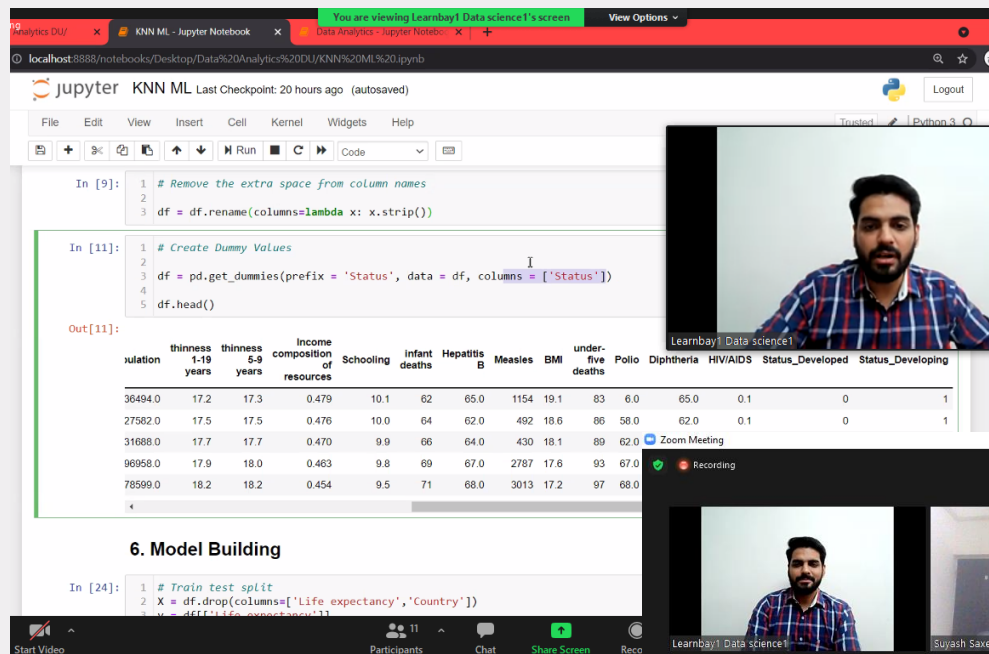


2020-21

2019-20

2018-19

Training your First Machine Learning Model



```
In [9]: 1 # Remove the extra space from column names
        2
        3 df = df.rename(columns=lambda x: x.strip())

In [11]: 1 # Create Dummy Values
         2
         3 df = pd.get_dummies(prefix='Status', data=df, columns=['Status'])
         4
         5 df.head()
```

Out[11]:

thinness	thinness	income	Schooling	infant	Hepatitis	Measles	BM	under-	Polio	Diphtheria	HIV/AIDS	Status_Developed	Status_Developing
ulation	1-19	5-9	composition	deaths	B			five					
	years	years	of					deaths					
			resources										
36494.0	17.2	17.3	0.479	10.1	62	65.0	1154	19.1	83	6.0	65.0	0.1	0
27582.0	17.5	17.5	0.476	10.0	64	62.0	492	18.6	86	58.0	62.0	0.1	0
31688.0	17.7	17.7	0.470	9.9	66	64.0	430	18.1	89	62.0			1
96958.0	17.9	18.0	0.463	9.8	69	67.0	2787	17.6	93	67.0			
78599.0	18.2	18.2	0.454	9.5	71	68.0	3013	17.2	97	68.0			

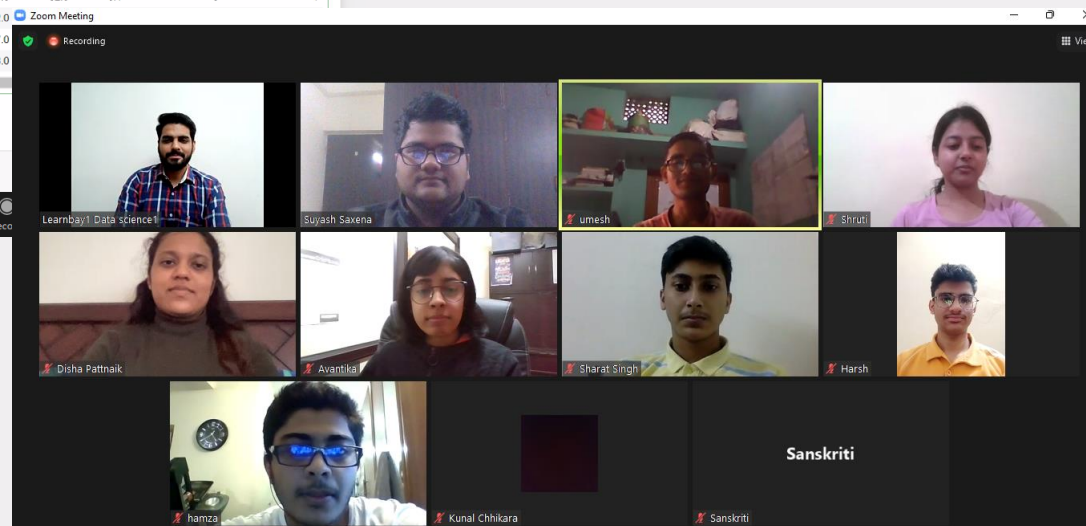
6. Model Building

```
In [24]: 1 # Train test split
         2 X = df.drop(columns=['Life expectancy', 'Country'])
         3 y = df['Life expectancy']
```

CONDUCTED BY:
Dr. Arpita Sharma (DDUC)

SPEAKER:
Mr. Nitish Vig, Business Analyst
at Trejhara Solutions

STUDENT ATTENDEES: 25+



2020-21

2019-20

2018-19

2021-22

...AND MANY
MORE COMING
YOUR WAY





THANKS FOR WATCHING



DATAANALYTICSClubDDU

