



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

Webinar on

**“Machine Learning in data
analysis with various tools”**



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

Faculty of Engineering and Technology

Webinar on “Machine Learning in data analysis with various tools”

Date:- (21st APRIL 2021)

Time:-10:30 AM to 12.30 PM, Venue:-Online Platform(Zoom)



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

E Brochure-

SGT UNIVERSITY
SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC & AICTE Approved) Gurugram, Delhi-NCR

Faculty of Engineering and Technology
Department of Computer Science and Engineering

Organizes
Hand on Training Session on
**Machine Learning in Data Analysis
with Various Tools**

Dr. Sahil Vashisht
HOD, CSE

MR. MANPREET SINGH BAJWA
ASST. PROF CSE FEAT

MR MANU PHOGAT
ASST.PROF CSE FEAT

Mr Harshit Anand
Resource Person
Trainee Decision Scientist,
MuSigma

21
April 2021
WEDNESDAY
10:00 am-11:30am
Online Mode

Brief Profile of Speaker:-

Mr. Harshit Anand , Trainee Decision Scientist, MUSigma

Organizers:- Moderator:- Mr. ManpreetBajwa(AP, CSE,FEAT,SGTU)

Moderator:- Mr.ManuPhogat(AP,CSE,FEAT, SGTU)

Faculty Moderator : Dr Sahil Vashisht, HOD CSE , FEAT, SGTU



Report of the Webinar/ Event / FDP Program:

a) Introduction:

SGTU under the aegis of FEAT, Dept of Computer Sci and Engg. has organizing a webinar on the topic “ Machine Learning in data analysis with various tools” with the help of Mr Harshit Anand for industry understanding. The workshop was conducted virtually with a duration of 1.30 hour on dated 21.04.2021, started at 10.00AM.

b) Objective of the webinar/ Event / FDP:

Learn what are sub-fields of artificial intelligence and Machine Learning

- Review challenges with respect to practical implementation of Artificial Intelligence
- Discuss Near and Far Future of Artificial Intelligence
- Understand Impact of Machine Learning & Artificial Intelligence in Data Science
- Know various Opportunities and Challenges in Data Science Careers.

c) Brief content of lecture-

With the abundance of data being generated every day, the rise of new automated technologies is inevitable. Mr Harshit Anand , Trainee decision Scientist MU Sigma , as he explores the wonders of Machine Learning and AI. A whole world is relying on machine learning to develop mission-critical applications to empower the businesses. However, there are a series of challenges one has to tackle in the machine learning application building lifecycle — right from combining multiple data sources to feature engineering which means finding the



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

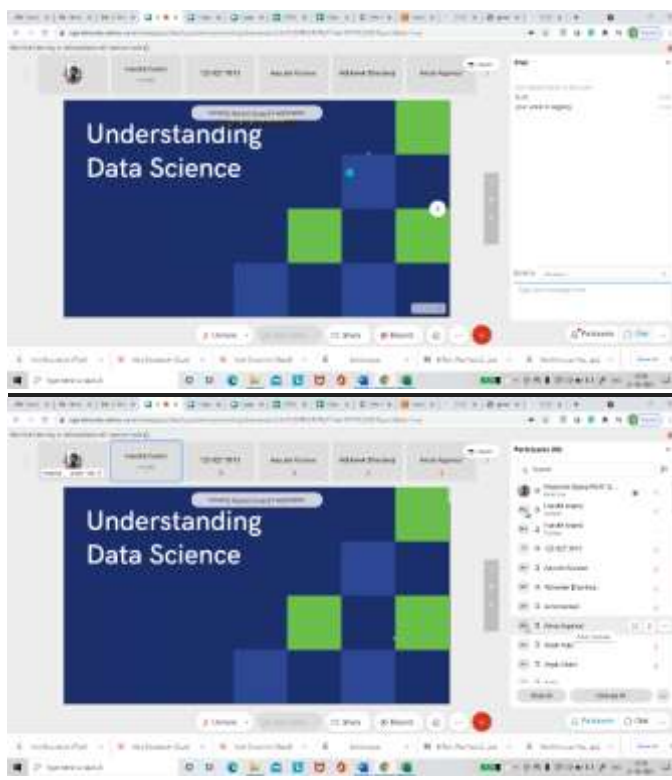
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

right parameters to extract from the data for model building. So, what's the best approach to AI/ML applications and how does one identify the data sources to build models. With demand for machine learning increasing, it's up to the data scientists and developers to stay updated with the latest trends to get the best performance out of their applications. With machine learning becoming a critical enabler for every sector, this webinar is specifically aimed at machine learning students, engineers and data scientists to help them understand the fundamental concepts of AI & ML and help them leverage cloud machine learning tools. During this seminar participants were introduced to the world of machine learning, artificial intelligence, and thinking machines.

d) Screenshots of Webinar/ Picture of Event: Good quality picture with legends is mandatory





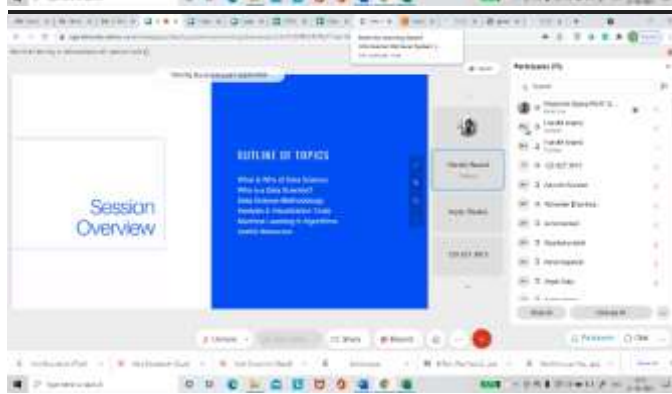
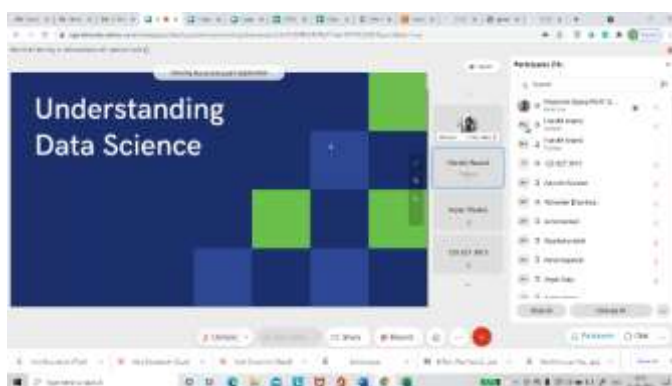
SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

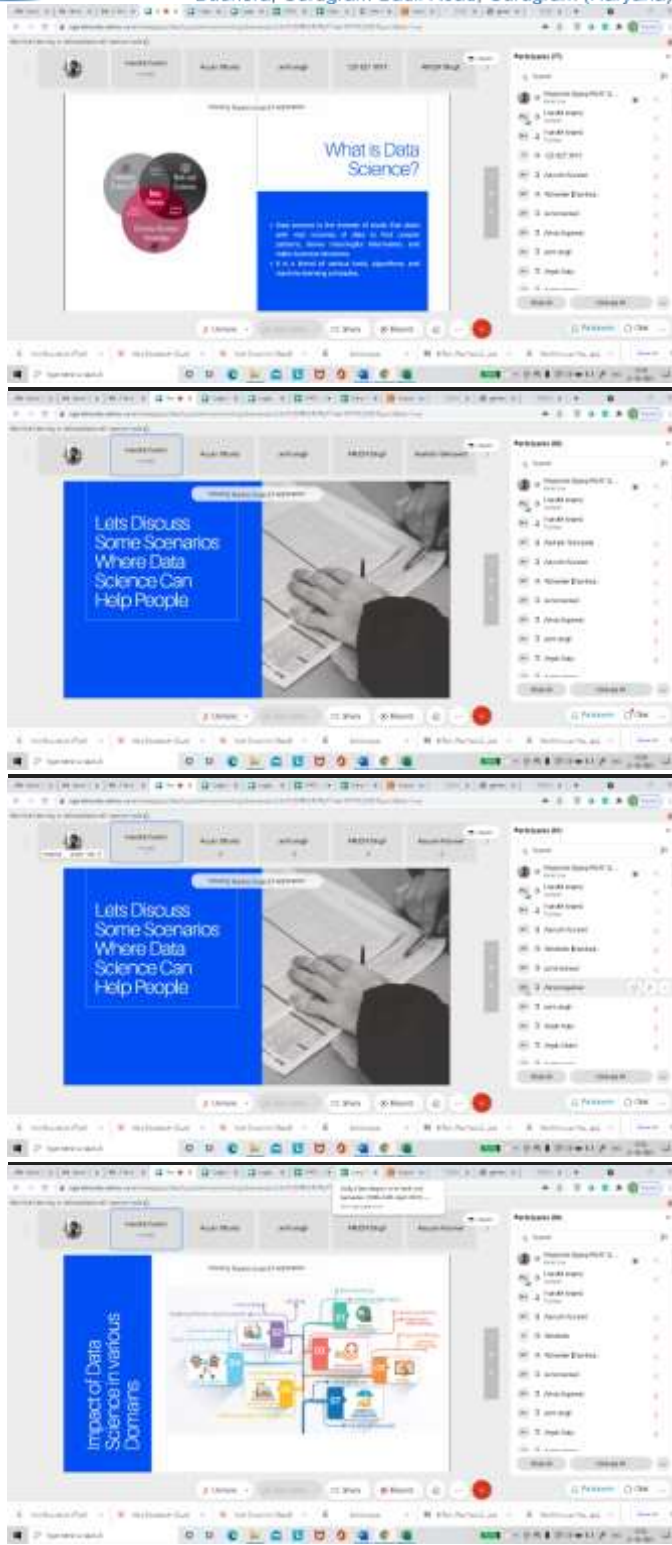
Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185





Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185





SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

The image displays four sequential screenshots of a presentation slide titled "Impact of Data Science in various Domains". The slide is presented in a software interface, likely Beamer, with a navigation pane on the right showing a list of slides. The first screenshot shows the title slide with a blue background and a central diagram illustrating the impact of data science across various domains. The second screenshot shows the same slide with the text "Being Curious & Argumentative" overlaid in white. The third screenshot shows the same slide with the text "Being Curious & Argumentative" overlaid in white. The fourth screenshot shows the same slide with the text "What Does a Data Scientist Do?" overlaid in white.



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

The image displays four sequential screenshots of a presentation, likely from a video lecture, showing slides on Data Science and Machine Learning. Each slide is viewed through a software interface with navigation tabs at the top and a list of topics on the right.

- Slide 1: What Does a Data Scientist Do?**
 - Key points listed:
 - Ask the right questions to understand the problem
 - Collect data from multiple sources (databases, files, APIs, etc.)
 - Preprocess raw data and convert it into a format suitable for analysis
 - Feed the data into the suitable machine ML algorithm or a statistical model
 - Provide the results back to clients with the appropriate explanation
- Slide 2: Data Science Methodology**
 - A flowchart illustrating the methodology:
 - Top row: Business Problem, Data, Model, Deployment
 - Second row: Data Collection, Data Cleaning, Model Training, Model Evaluation
 - Third row: Data Preprocessing, Feature Engineering, Model Deployment, Model Monitoring
 - Arrows indicate a sequential flow from left to right across each row, with vertical connections between rows.
- Slide 3: Data Science Methodology**
 - This slide is identical to Slide 2, showing the same flowchart for Data Science Methodology.
- Slide 4: Types of Machine Learning Algorithms**
 - A central diagram with "Machine Learning" in the center, surrounded by various algorithm types in colored circles:
 - Supervised Learning (Blue)
 - Unsupervised Learning (Green)
 - Reinforcement Learning (Red)
 - Deep Learning (Orange)
 - Transfer Learning (Yellow)
 - Generative Models (Purple)
 - Hybrid Models (Pink)
 - Ensemble Methods (Light Blue)
 - Bayesian Models (Light Green)
 - Statistical Models (Light Red)



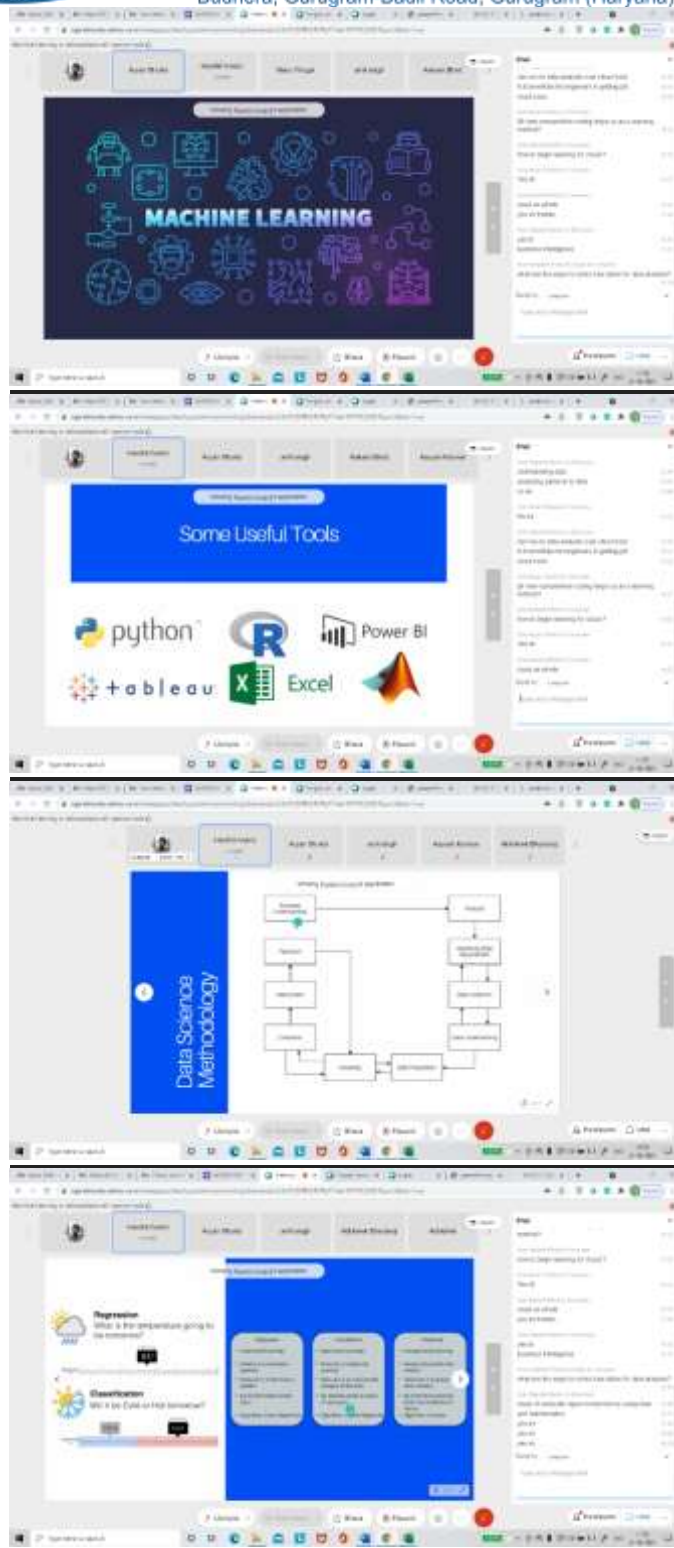
SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185





SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

e) Feedback Forms

What is your overall assessment of the event? (1 = insufficient - 5 = excellent)	Which topics or aspects of the workshop did you find most interesting or useful?	Did the workshop achieve the programme objectives?	Knowledge and information gained from participation at this event?	How do you think the workshop could have been made more effective?	Please comment on the organization of the event (from 1 = insufficient to 5= excellent)	Comments and suggestions (including activities or initiatives you think would be useful, for the future)
5		5		5	5	
4	All	5			5	
5	The Q/A session and the details given in the workshop	5	Various tools for ML and data science	Having more time for the workshop and some interactive activities	5	Teaching excel to be used as a data analysis tool
5	Data science	5	Yes	Yes	5	Nice
3	Machine learning.	3	Good.	By sharing more video content.	3	
3	The daily life application	3	Gained knowledge is that by the help of data science the proper use of	No all good	3	Network issue there is a lot of voice lagging or breakage



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

			technology is effective			
	Data 3 science		Work of a 3 data scientist	The webex platform is not so user friendly, may be you should take webinar on platforms like zoom or msteam.		As members 3 above
	Machine learning and data 5 science		Machine 4 learning	It showing me the future requirements in corporate world.		5

List of participants:- Students of Faculty of Engineering and Technology of all departments: B.Tech, M.Tech, BCA, MCA of all semesters participated.

1. SAVITA
2. SUBHAM KUMAR SINGH
3. MRIDUL KHANNA
4. KARTIK BHARDWAJ
5. ANKIT ROY
6. AKASH KUMAR
7. ADITYA PRASAD
8. HEMANT SINGH
9. DEVANSHI RAWAT
10. ANKIT
11. DHEERAJ



SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

12. SHUBHAM
13. CHITURAJ OINAM
14. SOHIL KHAN
15. NITIN YADAV
16. NITIN
17. ANSHIKA KUMARI
18. LAEBA FIRDOUS
19. KUNAL KADYAN
20. SHIVAM GOYAT
21. VAIBHAV VATS
22. VISHAL
23. GURJOT SINGH
24. YASHU GAUR
25. KAPTAN
26. DEVYANSH DEV PATHAK
27. NEELAM
28. ANSHUL
29. MUSKAN
30. ARUSHI AGGARWAL
31. AAKASH
32. SACHIN
33. PRAJEET SHARMA
34. SUKESH BHARDWAJ

Shortcoming: -Initially, we were lacking in registrations but after positive motivation we received a quality number of registrations and the workshop was a success and was appreciated by the participating students and faculty members.

Copy of E certificate for participants : No participation certificate provided.