



SRI VENKATESWARA COLLEGE

(UNIVERSITY OF DELHI)

EVENT REPORT







NAME OF THE EVENT: Workshop on Data Science & Machine Learning			
DATE	DEPARTMENT	COMMITTEE/SOCIETY	COORDINATORS' NAME
10th-11th August, 2024		180 Degrees Consulting (in collaboration with the Statistics Alumni Association, SVC)	Dr. Dipika
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor; online/offline/hybrid
6:30-8:00 P.M.	ONLINE	61	ONLINE
FINANCIAL SUPPORT/ASSISTANCE (if any):	NA		

BRIEF INFORMATION ABOUT THE ACTIVITY

TOPIC/SUBJECT OF THE ACTIVITY	WORKSHOP ON DATA SCIENCE & MACHINE LEARNING
OBJECTIVES	The objective was to provide students of Sri Venkateswara College with access to a workshop on Data Science and Machine Learning, considering their significance in today's technological landscape. The course acknowledges the growing importance of data analysis for current college students and future industry professionals. The course aims to equip you with the knowledge of Data Science and Machine Learning to allow students to upskill with the growing importance and demand of professionals in the field and apply the skills in various industries.

METHODOLOGY	<ul style="list-style-type: none"> - <u>Timeline:</u> The Workshop was a two day engagement, carried out on two consecutive days, in 1.5 hour sessions on 10th-11th August, 2024. <p>Day-1: The first session was theory based and participants were introduced to supervised learning, explored key algorithms, and learned about evaluation methods.</p> <p>Day-2: Participants got hands-on experience through setting up a Google Colab notebook, engaging in a live project walkthrough, and applying key algorithms.</p> <ul style="list-style-type: none"> - <u>Mode:</u> Online
INVITED SPEAKERS WITH AFFILIATION DETAILS (IF ANY)	Ms. Nutan Sahoo (Applied Data Scientist at Microsoft, MS Health Data Science at Harvard University, Alumna of the Statistics Department of Sri Venkateswara College)

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

1 Notice & Letters 	2 Number of Participants & Name of Participants 	3 Video clip	4 Photos 	5 Feedback Form & Analysis 
6 News clip with details	7 Sample Copy of the Certificate	8 Posters/ Invites 	9 Event report Attested by Event Coordinator & IQAC Coordinator 	10 Any other document

Departmental file No: SVC/180 DC/2024-25/August 2024/01
IQAC Document No: SVC/IQAC/180 DC/2024-25/August 2024/01
Criterion No: Criteria 5

NAME OF EVENT-IN-CHARGE & SIGNATURE: Dr. Dipika 

For Reference

Criterion I	Curricular Aspects (planning & Implementation)		Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation		Criterion VI	Governance
Criterion III	Research, Innovations & Extension		Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure			



Tirumala Tirupati Devasthanams

శ్రీ వేంకటేశ్వర కళాశాల

Sri Venkateswara College

(University of Delhi)

NAAC Grade A+

PERMISSION FOR ORGANIZATION OF EVENTS

NOTE: 1. Please ensure a pre booking of the venue before getting the permission letter signed.

2. A copy of this duly filled form signed by the TIC/ Convener, IQAC Coordinator and Principal shall be submitted to ICT and/or Caretaker for necessary action.

3. Please ensure that the completion certificate of the event is physically signed by the Convener of the event, IQAC Coordinator and Principal after the event report is made.

EVENT DETAILS

1. Name of the Department/Society/Association: The 180 Degrees consulting branch at Sri Venkateswara College in collaboration with the Statistics Alumni Association, Sri Venkateswara College.
2. Name of the TIC and/or Convenor: Prof./Dr./Mr./Ms: Dr. Dipika
3. Proposed Title of the Event: Workshop on data science and machine learning
4. Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or Community outreach/ Skill enhancement/others (Please specify) : Workshop
5. Participants: Student-centric /Faculty/ Other stakeholders (Please specify: Student-Centric
6. Event Type: Online
7. Collaborating Agency /Organization (If any): Statistics Alumni Association, Sri Venkateswara College.
8. Tentative List of Speakers with affiliations: Ms. Nutan Sahoo, Data Scientist at Microsoft
9. Date & Time (from – to): 10 and 11 August, 2024, 6:30 PM to 8:00 PM (IST)
10. Financial Assistance/ Funding received (if any) (Please specify amount): NA
11. Proposed Budget (please attach details in a separate enclosure): NA.
12. Faculty responsible for Geo Tagged Pictures: Dr. Dipika

13. Faculty responsible for Event Report: Dr. Dipika
14. ICT support required, if any (ICT Lab, Laptop, LCD projector): NA
15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance): NA
16. Venue requirement (Seminar hall/ Ground/others): NA

TIC/Convenor

Dipika

Date: 22.07.2024

For official purpose

Comments (If any)

Criteria 5

Vaishali Pathak

IQAC Coordinator

Date: 22.07.2024

A. Nigale

Principal

Date: 22.07.2024

To:

The Principal
Sri Venkateswara College
University of Delhi
New Delhi-110019

Subject: Organising a Data Science Workshop.

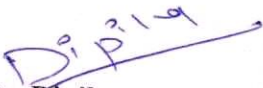
Respected Sir,

The 180 Degrees Consulting branch at Sri Venkateswara College, in collaboration with the Statistics Alumni Association, SVC, wishes to organize a data science workshop for the students of our college, featuring Ms. Nutan Sahoo, a Data Scientist at Microsoft with an MS in Data Science from Harvard University, and an alum of our college, as our esteemed trainer. The workshop will span two days and will be conducted online, and the prospective dates for the same are 10th and 11th August, 2024.

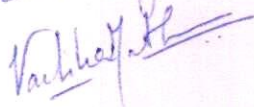
For the successful organization of the proposed workshop, we would be required to carry out online and on-campus promotions and registrations for the same. We kindly seek your permission to proceed with organizing the workshop and to carry out the necessary corollary activities.

Kindly allow us to organize the workshop and do the needful.

Thank You,


Dr. Dipika

Convenor
180 Degrees Consulting
Sri Venkateswara College

Please register online


Workshop on Data Science & Machine Learning

Event Report

By:

180 Degrees Consulting, SVC

10th & 11th August, 2024

Acknowledgement

We extend our sincere gratitude to Sri Venkateswara College and its administration for providing us with the opportunity to organize and conduct the Workshop on Data Science & Machine Learning . We are immensely thankful to our Principal, Ms Nutan Sahoo for their unwavering support and encouragement throughout the duration of this initiative.

Our heartfelt appreciation also goes to Dr. Dipika, the teacher coordinator for the course, whose dedication and guidance played a pivotal role in the success of this endeavor. Their expertise and enthusiasm for the subject matter were instrumental in shaping the course content and ensuring its effectiveness.

Furthermore, we would like to express our deepest thanks to the trainer of the workshop, Ms. Nutan Sahoo. Their expertise, patience, and commitment to empowering students with valuable skills have been invaluable. The knowledge and insights shared by them have undoubtedly left a lasting impact on all the participants.

We are truly grateful to everyone involved in making this workshop a meaningful and enriching experience for all the students involved.

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Introduction

Living in a world of data, anything and everything can be valuable information. Data science is the practice of making sense of large amounts of data to help us understand things better and make smarter decisions. It offers diverse career opportunities, such as data analyst, machine learning engineer, and data scientist.

Statistics say that there will be 32% more data science jobs by 2030. And with the placement season just around the corner, data science could be just the skill to upgrade one's resume. The course gave hands-on experience to students with a real industrial case study and insights from an experienced professional. The event went on for 2 days, on the 10th and 11th August, 2024. A total of 61 from diverse courses and colleges of Delhi University registered in the event.

Resource Person



Ms Nutan Sahoo

Ms. Sahoo is an accomplished Data Scientist at Microsoft, an alumna of the Statistics department of our college, and holds an MS in Data Science from Harvard University. She has previously worked with BRIDGEi2i Analytics Solutions(Part of the company Accenture), as a Data Scientist. She has also briefly worked as an Analyst/Programmer with Brigham and Women's Hospital, Massachusetts, and as a Data Analyst with Children's Hospital of Philadelphia, Pennsylvania.

She has 3+ years of experience working on the full lifecycle of data projects. She is adept at presenting complex phenomena into insightful visualizations, uncovering and communicating actionable insights. Her expertise lies in data integration strategies for ETL, testing hypotheses, feature engineering, modeling, and performance evaluation.

Event Poster

Workshop on Data Science and Machine Learning



180Degrees
CONSULTING
— SRI VENKATESWARA —

Join us for an engaging two-day workshop on the basics of supervised machine learning!



10th August and 11th August 2024
6:30 PM to 8 PM

**PREDICTIVE
ANALYTICS**

**ALGORITHM
DESIGN**



REGISTER NOW



Day-wise Report

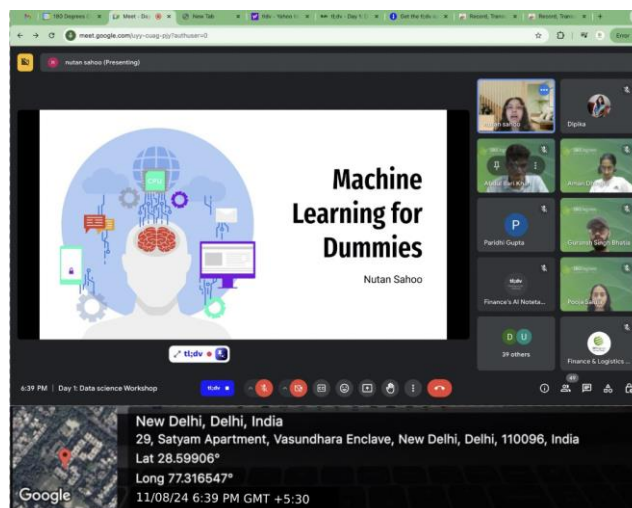
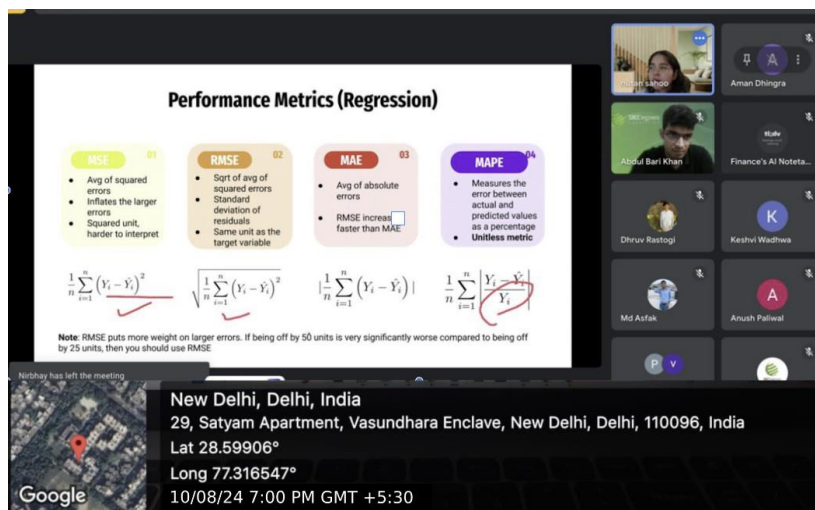
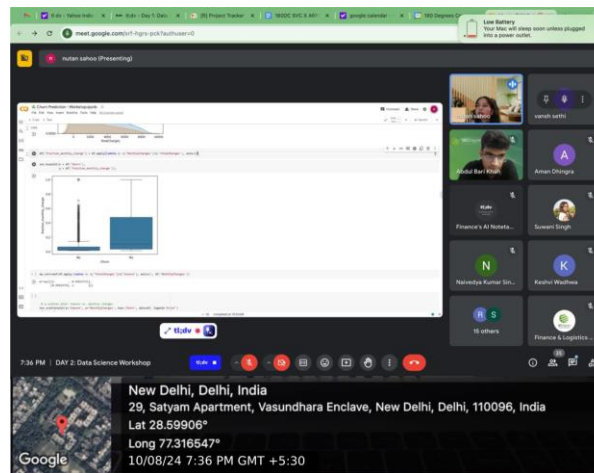
Day 1: Introduction to Machine Learning (6:30 PM - 8 PM, 10th August 2024)

- **Introductory Machine Learning:**
The trainer discussed what is machine learning, how it is different from AI, what is its importance in the current job market, types of machine learning.
- **Supervised Learnings:**
Discussions on what are supervised and unsupervised learnings and other forms
- **Regressions and Classifications:**
What are the types of regressions, what are decision trees, random forests etc.
- **Algorithms & Evaluation techniques:**
What are the types of evaluation techniques, performance metrics, accuracies, classifications and precision.

Day 2: Applications of Machine Learning (6:30 PM - 8 PM, 11th August 2024)

- The speaker first discussed evaluation metrics for regression models, classification models, how to handle imbalanced datasets, what is precision vs recall trade-off and its examples.
- Then, the attendees were explained the given datasets and how to handle missing data, how to handle class imbalance, discuss the importance of creating a baseline model, data manipulation techniques etc.
- Model Performances due to hyperparameter tuning, done by looking at in hand industry reports and cases.

Event Photos



Student List & Attendance

S No.	Name	10/08/2024	11/08/2024
1	Dhruv Mehta	<input type="checkbox"/>	<input type="checkbox"/>
2	Abhishek Rathee	<input type="checkbox"/>	<input type="checkbox"/>
3	Anuj jha	<input type="checkbox"/>	<input type="checkbox"/>
4	Gargi Tandon	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	MAYANK KOHLI	<input type="checkbox"/>	<input type="checkbox"/>
6	Adarsh Kumar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	Priyanka Sheokand	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	Ramanpreet	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	Govind kumar	<input type="checkbox"/>	<input type="checkbox"/>
10	Shivam Gupta	<input type="checkbox"/>	<input type="checkbox"/>
11	Varsha Sunil Chavan	<input type="checkbox"/>	<input type="checkbox"/>
12	Sahaj	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13	Shaurya jaiswal	<input type="checkbox"/>	<input type="checkbox"/>
14	Sumera	<input type="checkbox"/>	<input type="checkbox"/>
15	Suwani	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16	Ayush kumar mishra	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17	Sukriti	<input type="checkbox"/>	<input type="checkbox"/>
18	Akshita	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19	Pratibha Sharma	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20	Gauravsingh parmar	<input type="checkbox"/>	<input type="checkbox"/>
21	Divyansh Tiwari	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
22	Ajay Xalxo	<input type="checkbox"/>	<input type="checkbox"/>
23	Bhavya Khatri	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
24	Saksham Garg	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25	Aastha Gupta	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
26	Deepak	<input type="checkbox"/>	<input type="checkbox"/>
27	Romana Ruqia	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
28	Ujjwal Jhavar	<input type="checkbox"/>	<input type="checkbox"/>
29	Tisha Gulati	<input type="checkbox"/>	<input type="checkbox"/>
30	Piyush Kumar	<input checked="" type="checkbox"/>	<input type="checkbox"/>
31	Vanshika Sharma	<input type="checkbox"/>	<input type="checkbox"/>
32	Dhruv Rastogi	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

S No.	Name	<input checked="" type="checkbox"/> 10/08/2024	<input checked="" type="checkbox"/> 11/08/2024
33	Aadishri Batra	<input type="checkbox"/>	<input type="checkbox"/>
34	Aayushi Batra	<input type="checkbox"/>	<input type="checkbox"/>
35	Utkarsh Prakash	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
36	Vansh Lakhiani	<input type="checkbox"/>	<input type="checkbox"/>
37	Prerna Yadav	<input type="checkbox"/>	<input type="checkbox"/>
38	Nirbhaykar Tiwari	<input checked="" type="checkbox"/>	<input type="checkbox"/>
39	Vansh Kukreja	<input type="checkbox"/>	<input type="checkbox"/>
40	Vansh Sethi	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
42	Naivedya Kumar Singh	<input checked="" type="checkbox"/>	<input type="checkbox"/>
43	Surya Prabhat Pidaparthi	<input checked="" type="checkbox"/>	<input type="checkbox"/>
44	Srijal Jain	<input type="checkbox"/>	<input type="checkbox"/>
45	Shivam Puri	<input type="checkbox"/>	<input type="checkbox"/>
46	Yuvika Grover	<input checked="" type="checkbox"/>	<input type="checkbox"/>
47	Akshali Gupta	<input type="checkbox"/>	<input type="checkbox"/>
48	Abhinav Mallick	<input checked="" type="checkbox"/>	<input type="checkbox"/>
49	Nehal Bansal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
50	Vatsal Jain	<input type="checkbox"/>	<input type="checkbox"/>
51	Suchita Bhalotia	<input type="checkbox"/>	<input type="checkbox"/>
52	Tanmay Jain	<input checked="" type="checkbox"/>	<input type="checkbox"/>
53	Aditya Mani	<input checked="" type="checkbox"/>	<input type="checkbox"/>
54	Deepak Kumar	<input type="checkbox"/>	<input type="checkbox"/>
55	MD ASFAK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
56	Aryan Boruah	<input checked="" type="checkbox"/>	<input type="checkbox"/>
57	Rishi raj	<input type="checkbox"/>	<input type="checkbox"/>
58	Kannishk	<input checked="" type="checkbox"/>	<input type="checkbox"/>
59	Uddeshya Kumar	<input type="checkbox"/>	<input type="checkbox"/>
60	Prashansa Singh	<input type="checkbox"/>	<input type="checkbox"/>
61	Keshvi Wadhwa	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Feedback



Workshop on Data Science & Machine Learning: Feedback Form

Thank you for attending the Data Science Workshop organised by 180 Degrees Consulting Sri Venkateswara College in collaboration with Ms Nutan Sahoo. Please share with us your thoughts so we can improve or have more events like this!

Name*

You can fill it as "Anonymous" as well.

Email*

How would you rate satisfaction from the workshop?*

☐ ☐ ☐ ☐ ☐

Would you be interested in getting to know about similar workshops/events of 180DC SVC? *

☐ Yes

☐ No

How interactive and engaging was the session for you? *

How relevant was the workshop to your expectations or your aspirations? *

☐ Perfectly Aligned

☐ Very Aligned

☐ Somewhat Aligned

☐ Not Aligned at all

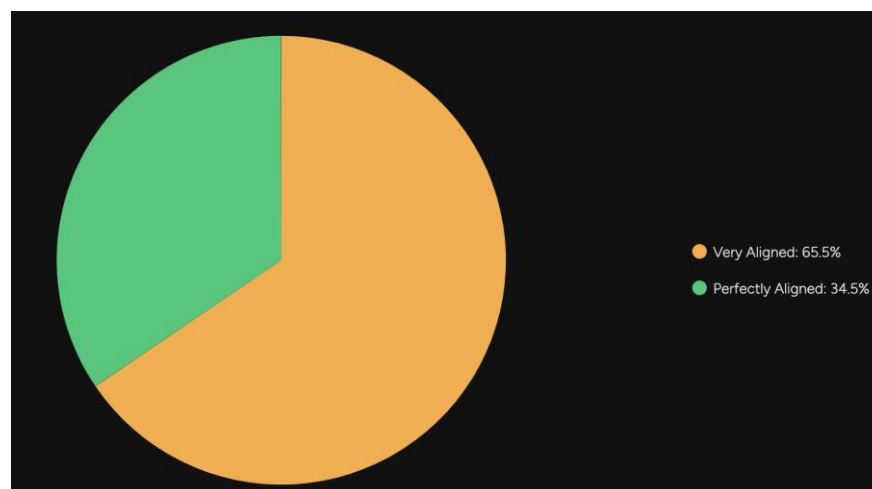
Please provide constructive feedback or what can be changed?*

What are some other topics you are interested in learning about *
and would attend workshops on?

(Eg. Deep Learning, hands-on data science projects, large language models, AI, etc.)

Feedback Form Analysis (Ratings out of 5)

- Workshop Experience: 4.833 (Average)
- How relevant was the workshop to your expectations and aspirations?



Shri Venkateswara College, University of Delhi

श्री वेङ्कटेश्वर कलेज

Sri Venkateswara College

(University of Delhi)

NAAC Grade A+

समापन प्रमाण पत्र
COMPLETION CERTIFICATE

यह प्रमाणित किया जाता है कि डेटा साइंस कार्यशाला को 10 से 11 अगस्त, 2024 को शाम 6:30 बजे से 8:00 बजे अपराह्न तक 180 डिग्री कंसल्टिंग एस0वी0सी0 द्वारा ऑनलाइन माध्यम में सफलतापूर्वक आयोजित किया गया और इस कार्यक्रम की रिपोर्ट अभिलेख के लिए आंतरिक गुणवत्ता आश्वासन प्रकोष्ठ (IQAC) को जमा कर दी गई है।

This is to certify that the Data Science Workshop was successfully conducted on 10 to 11 August, 2024 from 6:30 pm to 8:00 pm by 180 Degrees Consulting SVC in the Online mode and its event report has been submitted to IQAC for records.

Dipika

Event-in-Charge

Vaibhav

IQAC Coordinator

Coordinator, IQAC
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021

V.A. Mahajan

Principal

प्रधानाचार्य
Principal
श्री वेङ्कटेश्वर महाविद्यालय
Sri Venkateswara College
दिल्ली विश्वविद्यालय / University of Delhi
धौला कुआँ, नई दिल्ली / Dhaura Kuan, New Delhi-21