Tirumala Tirupati Devasthanams
శ్రీ వేంకటేశ్వర కళాశాల
Sri Venkateswara College
(University of Delhi)
NAAC Grade A+

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SRI VENKATESWARA COLLEGE
(UNIVERSITY OF DELHI)

EVENT REPORT

NAME OF THE EVENT: **ADD ON COURSE ON DATA ANALYTICS WITH ADVANCE EXCEL**			
DATE	**DEPARTMENT**	**COMMITTEE/SOCIETY**	**COORDINATORS' NAME**
Sep 10, 2022- Oct 17, 2022	COMMERCE	ADD ON COURSE COMMITTEE	MS. SUNITA CHHABRA/ DR. NEHA SINGHAL
TIME	**VENUE**	**NUMBER OF PARTICIPANTS**	**NATURE: Outdoor/Indoor; online/offline/hybrid**
10:00 A.M-1:30 P.M.	MS TEAMS PLATFORM	51	ONLINE
FINANCIAL SUPPORT/ASSISTANCE (if any):	SRI VENKATESWARA COLLEGE, DU		

BRIEF INFORMATION ABOUT THE ACTIVITY

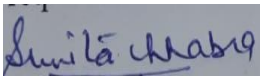
TOPIC/SUBJECT OF THE ACTIVITY	**ADD ON COURSE ON DATA ANALYTICS WITH ADVANCE EXCEL**
OBJECTIVES	The objective was to provide a course on DATA ANALYTICS (which is a verysignificant subject in today's scenario) keeping in mind the advancement of data Analysis using MS EXCEL at an affordableratetostudentsof different colleges and industry.
METHODOLOGY	The syllabus was designed with the help of Industry expert and online classeswere held on MS TEAMS Platform.
INVITED SPEAKERS WITH AFFLIATION DETAILS (IF ANY)	**MR. SUMANTA BISWAS (**Technocrat with fifteen years of experience in Industry and Academia. Currently associated with IBM SPSS and Times Group as a Business Consultant & Mentor and a Professional Corporate Trainer in Business Intelligence and Data Science).

OUTCOMES	The enrolled students learnt about handling data using statistical and financial tools (MS EXCEL).

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

IQAC Document No: IQAC/SVC/2022-2023/COM/03	Criterion No: I and V
Departmental file no: COMMERCE/ 2022-2023/ ADDON	IQAC file No: SVC/ 2022-23

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
 Dr. NEHA SINGHAL	 MS. SUNITA CHHABRA	

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			

DATA ANALYTICS WITH ADVANCE EXCEL

(Add - On Course Report)

By:

Department of Commerce

Sri Venkateswara College

10th September, 2022 – 17th October, 2022

ACKNOWLEDGEMENT

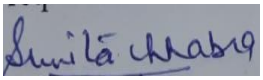
We consider it a great privilege to be a part of this prestigious institution Sri Venkateswara College. Not only academically but the college has always excelled in all the fields and it feels extremely great to be a part of one such initiative. We would like to express our special gratitude to our Principal Madam, **Prof. C. Sheela Reddy** for fostering great values in the college environment and inspiring us to do new things.

We are also grateful to the Senior Most Faculty Member of Department of Commerce, **Dr. S. Venkata Kumar** for his endless care, guidance and support that has always enlightened our path.

We are also very grateful to the resource person **Mr. Sumanta Biswas**, Technocrat with fifteen years of experience in Industry and Academia. Currently associated with IBM SPSS and Times Group as a Business Consultant & Mentor and a Professional Corporate Trainer in Business Intelligence and Data Science.

We also thank **Dr. Mamta Arora and Dr. Shruti Mathur** for always keeping our morale high and guiding us from time to time. Special mention goes to our team members, **Ms. Mohini Yadav, Mr. Manish and Dr. Mukesh** who played a vital role in the fruitful completion of the course.

Last but not the least, a special thanks to all administrative, accounting and ICT department for their cooperation throughout this beautiful journey.



Ms. Sunita Chhabra

Dr. Neha Singhal

(Course Convener)

FROM THE PRINCIPAL'S DESK

It gives me immense pleasure to note that the Department of Commerce, this year has offered an Add on Course on '**Data Analytics with Advance Excel'**. Since 2019, the Department has been offering an Add on Course on ***Entrepreneurship and Digital Marketing*** but this year keeping up with the industry trend and demand the Department has gone ahead and offered the students of the University of Delhi the opportunity to learn the technicalities of Data Analysis. Nowadays, data analytics is a demanding career. The companies are looking for skilled candidates with relevant skills. It will be good if you learn the subject and grow with them.

The importance of data analytics is huge in every aspect of a student's life. With excellent communication skills, computer-savvy young adults and IT professionals tend to adopt data analytics skills. Every student has a dream to earn a bit extra and spend it. Having high-paid skills always gives the advantage to evolve as per the market requirements.

The industry expert ***Mr. Sumanta Biswas***, as resource person have helped bridge the gap between theory and practice. This initiative of the Department aims at making students industry ready by learning the art of Data Analysis.

I congratulate the two Conveners ***Ms. Sunita Chhabra and Dr. Neha Singhal*** for shouldering this responsibility together with the other team members ***Ms. Mohini, Mr. Manish and Dr. Mukesh***. Hope the Department will continue the trend of offering more such meaningful and significant courses to the student fraternity.

Prof C. Sheela Reddy

Principal

MESSAGE FROM SENIOR MOST FACULTY OF DEPARTMENT OF COMMERCE

It gives immense pleasure on learning about the successful completion of the Add on Course **"DATA ANALYTICS WITH ADVANCE EXCEL"** an initiative of the Department of Commerce.

I commend the efforts of **Ms. Sunita Chhabra** and **Dr. Neha Singhal** in particular and their wonderfulteam comprising other teachers from the **Department of Commerce** for their thought to start this new Add on Course in online mode.

Data and information are increasing rapidly, the growth rate of the information is so high that the information available to us in the near future is going to be unpredictable. Work processes need analytical skills and therefore organisations are hiring a big bunch of analysts that can help them in working better.

I am sure that this 36-hour course spanning over three months would have immensely benefited the students. Hopefully the interaction with **Mr. Sumanta Biswas**, experts in their fields and the learned resource persons for this course, has enhanced the knowledge of every student in the development of IT networks and designing the appropriate media for advertising. This digital literacy is in sync with the Honble. Prime Minister's call for more digital financial transactions which also is the need of the hour.

Dr. S. Venkata Kumar

Vice Principal

MESSAGE FROM THE TEACHER IN CHARGE/ CONVENOR

The Department of Commerce offers an Add-on course on '**Data Analytics with Advance Excel'**, which is open to students across university. The course is aimed at skill development.

As the role of technology becomes multi-fold in every sector, it generates huge amounts of information that can yield valuable insights about the field. This has led to a boom in the data industry in the last ten years.

However, data collection needs to be supplemented with its analysis for obtaining decision-making insights. Data analytics helps businesses and industries make sense of the vast volumes of information for further growth and development. Investing in data analytics solution is the difference between successful and failing companies in the present and the years to come.

I am sure that the participants will benefit from our expert who has industry experience and will get a better understanding of this emerging area.

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1. INTRODUCTION

One of the most powerful analytical tools to learn to excel in career. Businesses use Microsoft Excel to make the most of their data. This is becoming increasingly crucial when it comes to getting the most of resources and maximizing return on investment. Companies are gathering increasingly large amounts of data from a variety of sources, including in-store transactions, online purchases, and social media. They must be able to quickly gather and analyze this data. Advanced Excel spreadsheets are widely used in business to display financial data and other data pertinent to the operation of the business.

Learning data anytics with advance excel will help you to develop your expertise in the areas like Data Mining, Business Intelligence, Statistical Analysis, Predictive Analytics, Text Analytics and many more inbusiness domain like

i. Marketing & Sales Analytics
ii. Financial Data Analysis
iii. Customer Analytics
iv. HR Analytics
v. Text Analytics
vi. E-Comm Data Analytics

Course Duration

This was a one-month course with a 36 hour duration which started on 10th September 2022 and ended on 17th Oct, 2022. The classes were held on Saturdays and Sundays.

Fifty one students from different courses of different colleges of University of Delhi enrolled for the course. Students were from different courses like BA Programme, B.Sc. Biochemistry (Hons), B.Com (Hons), B.Com, B.A Electronics (Hons) and B.Sc. Statistics (Hons). Some of the students are also from Corporate Industry. The students were from following colleges.

- Sri Venkateswara College (University of Delhi)
- Rajdhani College
- Jesus & Mary College (University of Delhi)
- Dyal Singh (University of Delhi)
- Delhi College of Arts and Commerce
- School of Open Learning (University of Delhi)

2. TEAM BEHIND THE COURSE

COURSE CONVENERS

TEAM MEMBERS

(Ms. Sunita Chhabra and Dr. Neha Singhal)

(Ms. Mohini, Dr. Mukesh Meena and Mr. Manish)

The journey of this add on course on ***Data Analytics with Advance Excel*** right from idea inception to materialization, would not have been possible without the collective initiative taken by the team conveners and its members, in terms of creativity, techno-savvy skills, diligence and patience. **Ms. Sunita Chhabra, the Teacher In Charge/ Convenor** who has always supported new initiative and creative ideas of the Department colleagues has added another feather in her cap by supporting the idea of offering this course. The course began at the initiative of Dr**. Neha Singhal** who was fully supported by **Ms. Sunita Chhabra**. ***Ms. Mohini Yadav*** (Assistant Professor), **Mr. Manish** (Assistant Professor) and ***Dr. Mukesh*** (Assistant Professor) also deserve a special mention for their valuable inputs and untiring efforts for the successful completion of this program.

2. RESOURCE PERSONS

Our resource person includes an eminent industry expert:

Sumanta Biswas is a Technocrat with fifteen years of experience in Industry and Academia. He is also associated with IBM SPSS and Times Group as a Business Consultant; Mentor and a Professional Corporate Trainer in Business Intelligence and Data Science.

He is a Member of Advisory Committee; Consultant of Euthenic IT Services Pvt Ltd, Ahmedabad. Ex-Board Member of Management Studies of ITM University, Gurgaon.

His Academic excellence are in Master Degree in Electronics, Post Graduate Diploma in Software Engineering, Post Graduate Diploma in Web Engineering, and Software Developer Certification from Microsoft; IBM, Certification on Business Intelligence from SAS and Certification on SAP ABAP are few of them.

Apart from his current assignment he was working with American Express India Pvt Ltd as a Project Manager for Japan Asia Pacific Region on Campaign Management System and Intelligent Marketing. He has also worked in different Software Companies as a Project Manager and Senior Programmer and developed different Internet based Software and Business Applications. His core areas of interest are in SAP; Business Intelligence Solution and its implementations. He has worked in different ERP life-cycle and Enterprise Business Intelligence Applications and executed several projects in MNC.

He has conducted several Corporate Training and Faculty Development Program in the area of Business Analytics; Modelling, Statistical Analysis, Predictive Modelling, Data Mining using SAP, SAS, SPSS, R; Python Business Application Software.

He has conducted National Workshop at

- ITM University, Gwalior,
- HNB Garhwal University Srinagar, Uttarakhand,
- Bundelkhand University, Jhansi
- Centre for Professional Development in Higher Education (CPDHE), Delhi University
- Banasthali University, Jaipur
- St. Anthony's College, Shillong (Meghalaya)

SRI VENKATESWARA COLLEGE (University of Delhi)

Benito Juarez Road, Dhaula Kuan, New Delhi- 110021

ADD ON COURSE ON DATA ANALYTICS WITH ADVANCE EXCEL

STRUCTURE OF THE COURSE: The total course duration is 33 hours including:

- *Teaching :* *30 hours*
- *Industry Interaction:* *3 hours*
- *Assessment:* *3 hours*

COURSE CONTENTS (30 teaching hours)

Session Plan:

Sl. No	Topic	Sub Topic	Duration
1	Introduction to Data Analysis andMicrosoft Excel	i. Session Objectives & Road Map ii. Understanding of Data Analytics & Career Scope iii. Data Analytics Tools & Techniques iv. Basic of Excel- Understanding of Tabs & menu items	2
2	Understanding Data	I. Understanding Data & different types ii. Data Handling & Management concept iii. Role of data in real business iv. What we can do using Data	1
3	Introduction to MS Excel Basic(Spreadsheets)	i. Introduction to spreadsheets-Look & Feelii.Reading data iii. Manipulating data Iv. Basic spreadsheet operations and functions	2
4	Data Management	i. Data Handling & storage of Data with MultipleWorksheet ii. Data Cleaning ii. Data management with Multiple Worksheet iii. Data Manipulation & Management	1
5	Spreadsheet Functions to OrganizeData	Introduction to useful functions: i. Mathematical Functionsii.Text Functions iii. Date & Time Functionsiii.Logical Functions iv. Look Up Functions	3

		v.Financial Functions etc	
6	Working with Data Tools	i. Text to Columns ii. Removing duplicates iii. Data Filter iv. Custom Sort iv. Conditional Formatting etc	2
7	Data Visualization & Analysis	i. Working with different charts & Charts style ii. Interpretation and analysis of Charts iii. Working with Advance Charts	2
8	Creating Reports & Analysis	i. Creating reports with Pivot Table ii. Pivot table components iii. Summarizing & Calculations in reports iv. Analyse & Report presentation style	1
9	Data Validation	i. How to apply data validation in Excel ii. Data Validation feature iii. Advance data validation	1
Advance Data Analytics Techniques			
11	Data Import	i. Importing Data from different resources ii. Understanding and Preparing data for analysis	1
12	Data Consolidation	i. Preparing Data for Consolidation ii. Consolidating Data in the Same Workbook. iii. Consolidating Data Automatically iv.Consolidating Data from Different Workbooks	1
13	What-If Analysis.	i. Data Tables ii. Scenario Manager iii. Goal Seek iv. Solver	2
14	Statistical Analysis-Working withData Analytics Add-In	All statistical Test i. Descriptive Statistics ii. Inferential Statistics iii. Predictive Mode iv. Forecasting	4
15	**Case Study-** Implementation DataAnalytics in specific business domain	i. Marketing & Sales Analytics ii. Financial Data Analysis iii. Customer Analytics iv. HR Analytics v. Text Analytics vi. E-Comm Data Analysis vii. Social Media Data Analysis	6

Assessment: Practical Lab Test (3 hrs)

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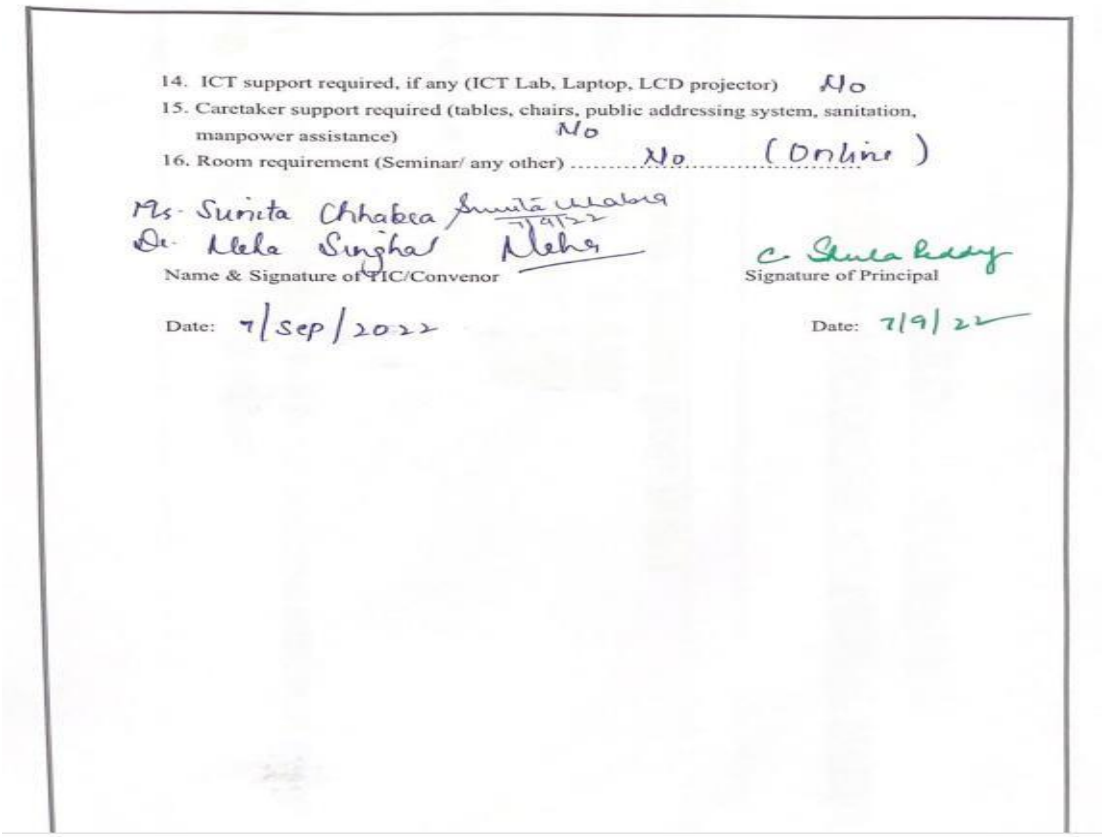
PERMISSION FOR ORGANIZATION OF EVENTS

NOTE: 1. 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.
2. Please ensure a pre booking of the venue before getting the permission letter signed.
3. A copy of this duly filled form signed by the TIC/ Convener and Principal shall be submitted to ICT, Caretaker and IQAC Coordinator, Dr. Arpita Kaul for commerce and NSS, NCC, Placement and Sports events, Dr. Jitesh Rana for humanities events, Dr. P. Jayaraj for sciences events.

EVENT DETAILS

1. Name of the Department/Society /Association:. Department of Commerce
2. Name of the TIC/Convenor (if any): Mr. Sunita Chhabra / Dr. Neha Singhal
   Prof./Dr./Mr./Ms.
   Prof./Dr./Mr./Ms.
3. Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or community outreach/ skill enhancement/others..... Add. On Course (Sep. 10, 2022 — Oct 17, 2022)
4. Participants: Student-centric /Faculty/Both
5. Event Type: Online Offline/Online/Hybrid; Indoor/Outdoor
6. Collaborating Agency /Organization: SVC, DU
7. Proposed Title of the Event: Data Analytics with Advance Excel
8. Tentative List of Speakers with affiliations:
   Mr. Sumanta Biswas
9. Date, Time from to : Sep. 10, 2022 — Oct 17, 2022
10. Financial Assistance/ Funding received (if any) .... Self-financed
11. Proposed Budget (please attach details in a separate enclosure):
    Attached
12. Faculty responsible for Geo Tagged Pictures ... Ms. Mohini, Ms. Manish, Dr. Mukesh
13. Faculty responsible for Event Report Dr. Neha Singhal



14. ICT support required, if any (ICT Lab, Laptop, LCD projector) No
15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance) No
16. Room requirement (Seminar/ any other) ..... No (Online)

Ms. Sunita Chhabra Sunita Chhabra 7/9/22
Dr. Neha Singhal Neha

Name & Signature of TIC/Convenor

C. Sheela Reddy

Signature of Principal

Date: 7/Sep/2022

Date: 7/9/22

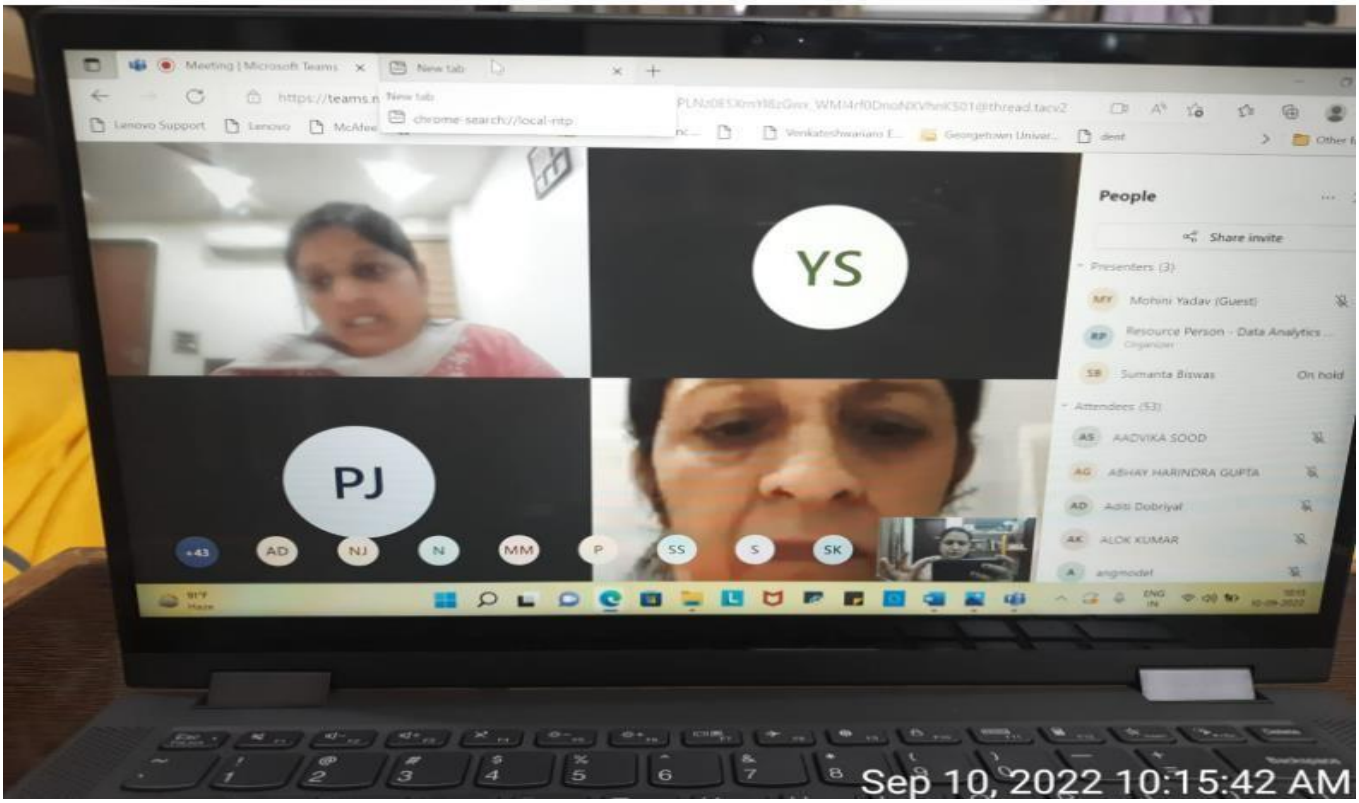
DAY 1: INAUGURAL AND SESSION 1 & 2

INAUGURAL SESSION 2022

The Inaugural Ceremony of the "Data Analytics with Advance Excel", Add on Course was held on 10th September 2022 at 10am on Microsoft Teams Platform. The students from various colleges showed great interest with 51 students successfully registering and continuing the Add on Course. The Department of Commerce faculty were given E-card invitation for attending the session. The Inaugural began with Dr. Neha Singhal, Convener, Add on Course, welcoming the audience and introducing the participants to the need and importance of the excel in all spheres of life. She then invited Dr. S. Venkata Kumar, Senior most faculty of Department of Commerce, SVC. He shared how students and even faculties can benefit from the advance uses of excel. He congratulated the add-on course committee for initiating courses like this which is highly in demand from graduate students these days. He gave best wishes for the successful completion of this add-on course. Due to some technical glitch, Resource person, Mr. Sumanta Biswas, although present in the meeting could not able to provide the glimpses of the course. At the end Ms. Mohini Yadav proposed the vote of thanks and expressed heartfelt gratitude to all. Prof C. Sheela Reddy, Principal, SVC, and Convener and TIC of Department of Commerce, Ms. Sunita Chhabra, were not able to join the session due to unavoidable circumstances. However, the event saw a successful completion of inaugural session with the efforts of Dr. Neha Singhal, Ms. Mohini Yadav, Mr. Mukesh Meena and Mr. Manish Kr. Dubey (Organising Committee).

Link for the Inaugural Session- https://msteams.link/BA1L

E-INVITATION CARD



(Dr. Neha Singhal welcoming the gathering)

(Dr. S Venkata Kumar addressing the gathering)

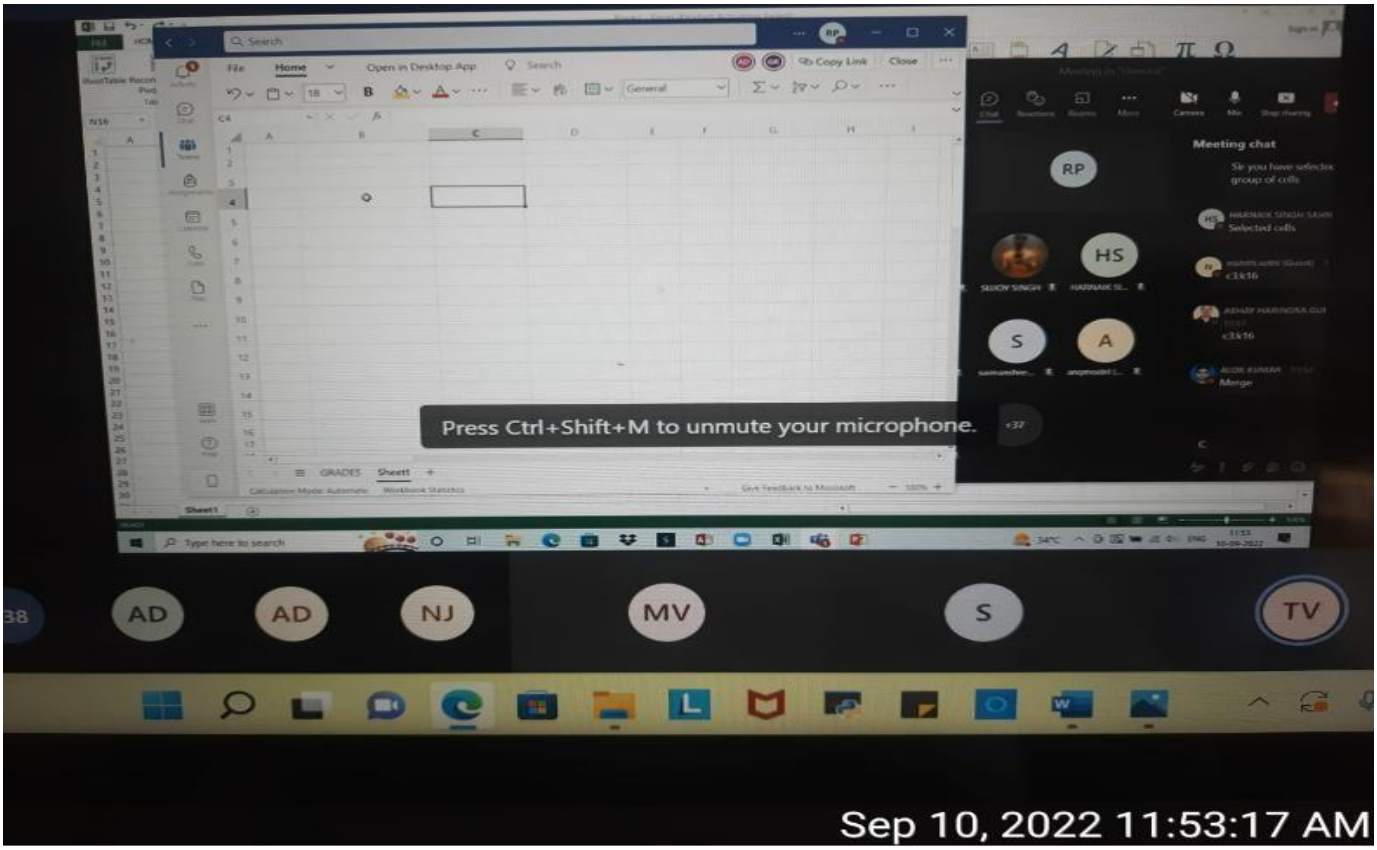
SESSION 1 & 2 : 10th September, Saturday

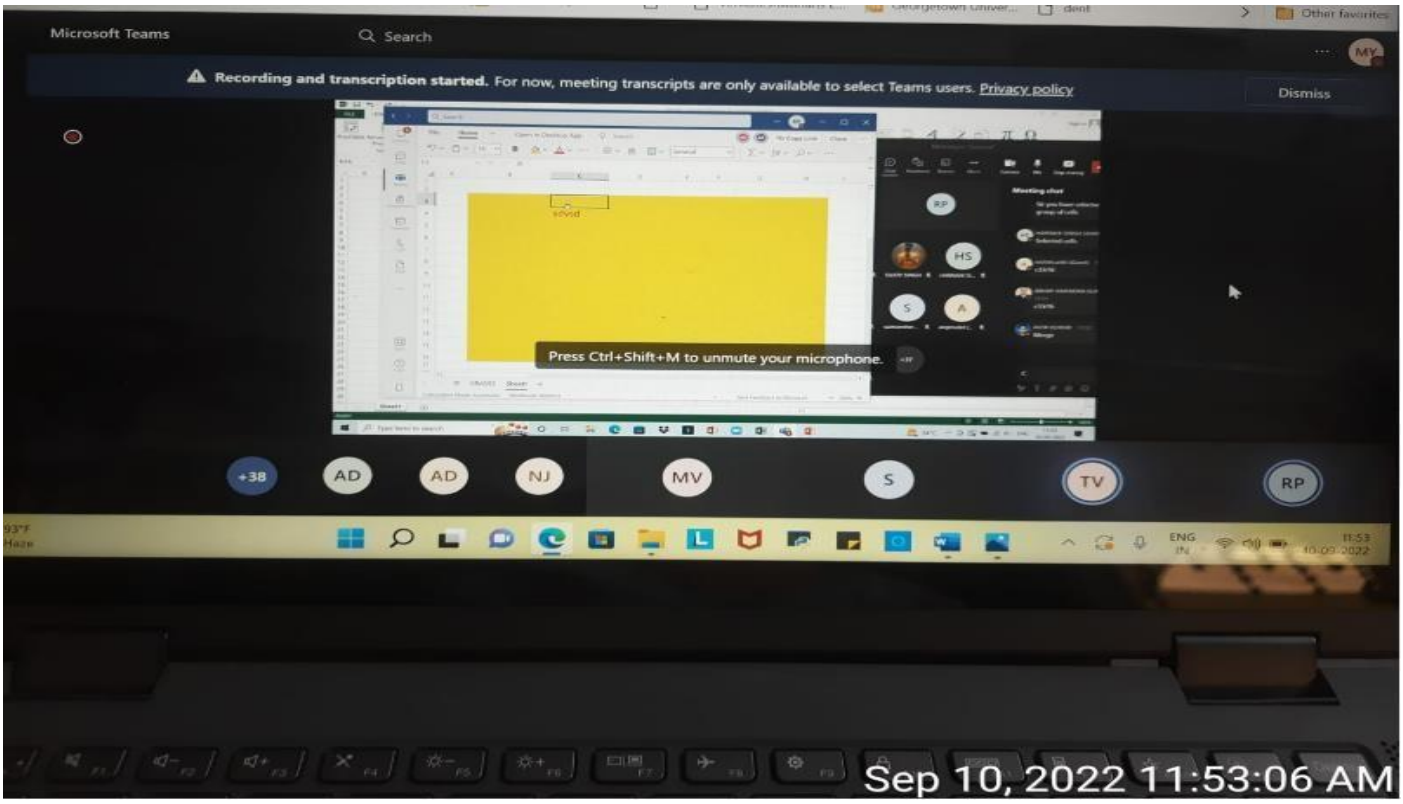
Time: 10:50:00 A.M.-2:00 P.M.

Link for the session: https://msteams.link/BA1L

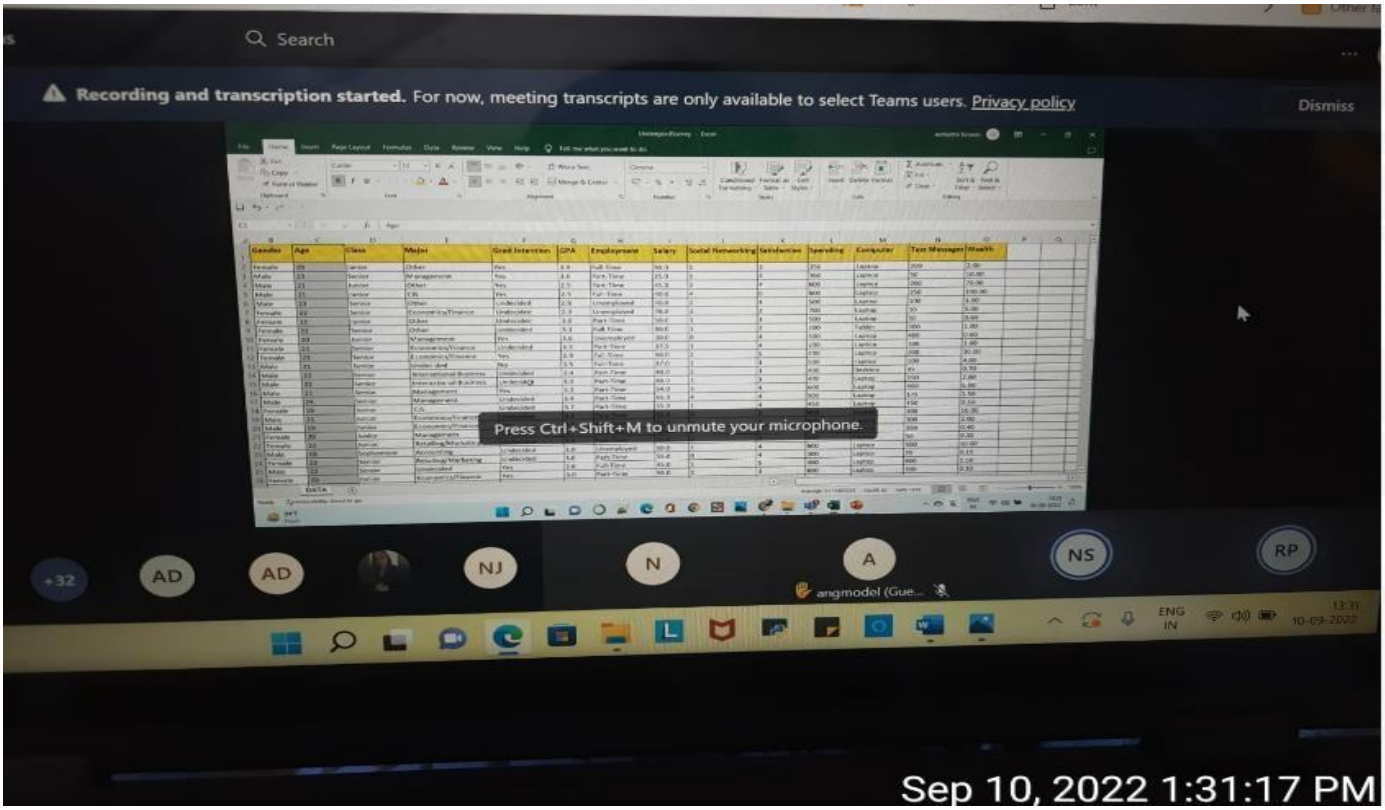
The first session of the ADDON Course was held on 10th September, 2022 after the inaugural ceremony. The session started at 10:50 am and continued till 2:00pm. It started with the introduction the resource person. This was followed by the introduction of students, they also talked about why they joined this course. The session focussed on the basis knowledge of excel and its utility. The resource person also shared the data with the students beforehand so that they can play with the data live in the class. It ended with the attendance of the students.

(Dr. Neha Singhal introducing the resource person to the participants)





(Mr. Sumanta Biswas taking the sessions and introducing the basics of excel)



(Participants are working on the data along with the resource person)

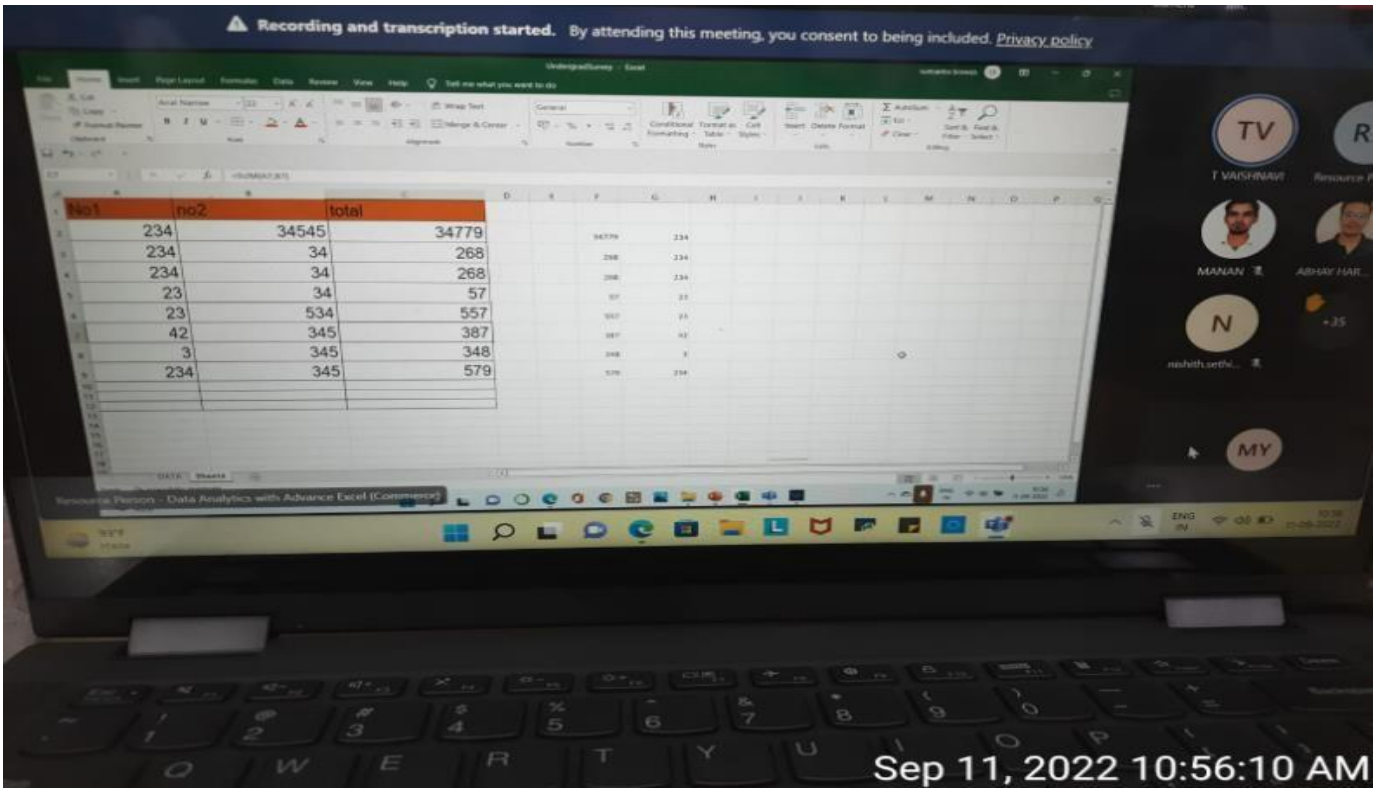
DAY 2: SESSION 3 & 4: 11th September, Sunday

Time: 10:00:00 A.M.-1:30 P.M.

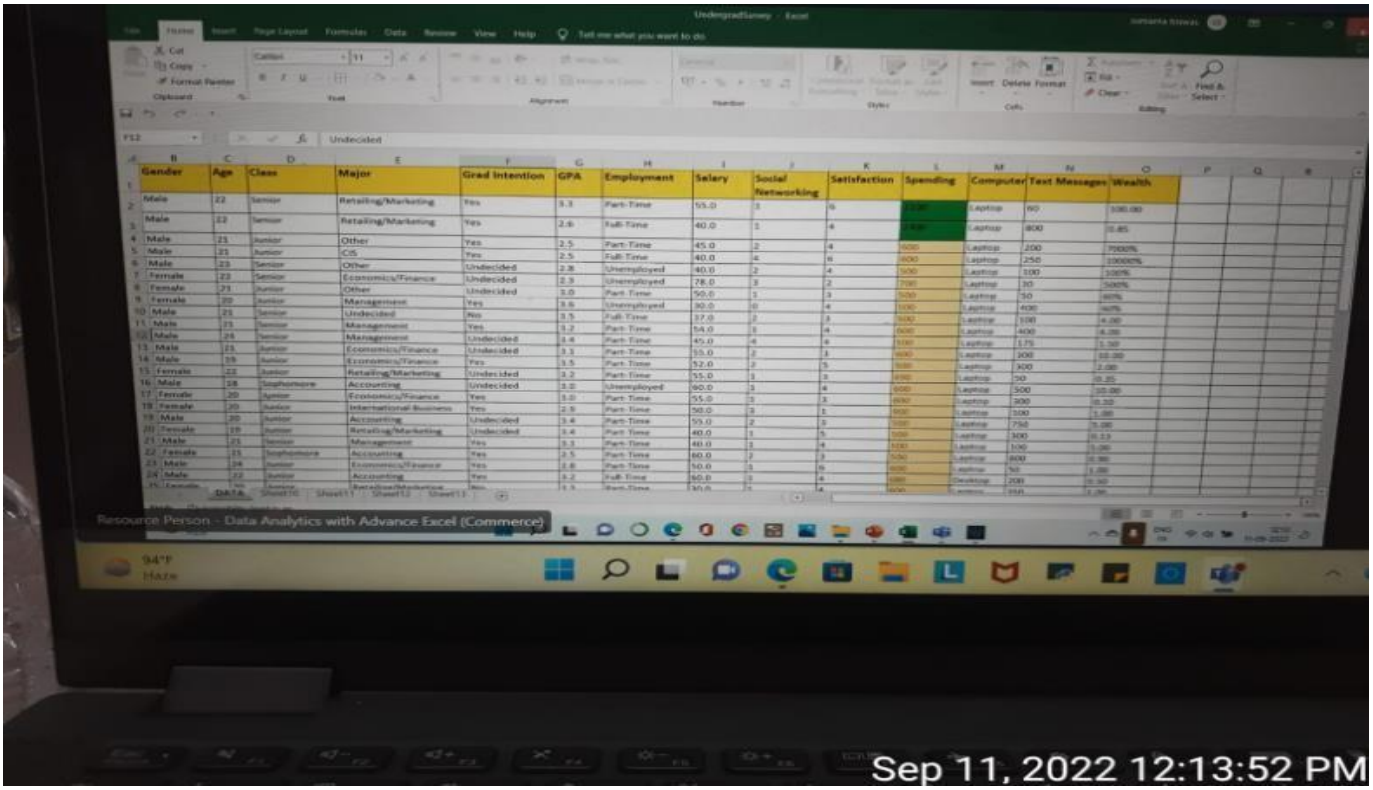
Link for the session: https://msteams.link/BA1L

The first session of Day 2 started at 10:00 am and continued till 11:50 pm and the next session started at 12:00 pm till 1:30 pm. It started with the quick recap of the earlier sessions. Then, there was an introduction of different functions in excel. This was followed by the import and export of data in the excel file, formatting of data, sorting, filtering and alignment of texts. Students were also working on the data shared by the resource person in advance. It was helping them in practicing the different functions along with the resource person and resolving their doubts. It ended with the attendance of the students.

(Resource person recapitulating the previous sessions)



(Sorting and filtering of data is discussed)



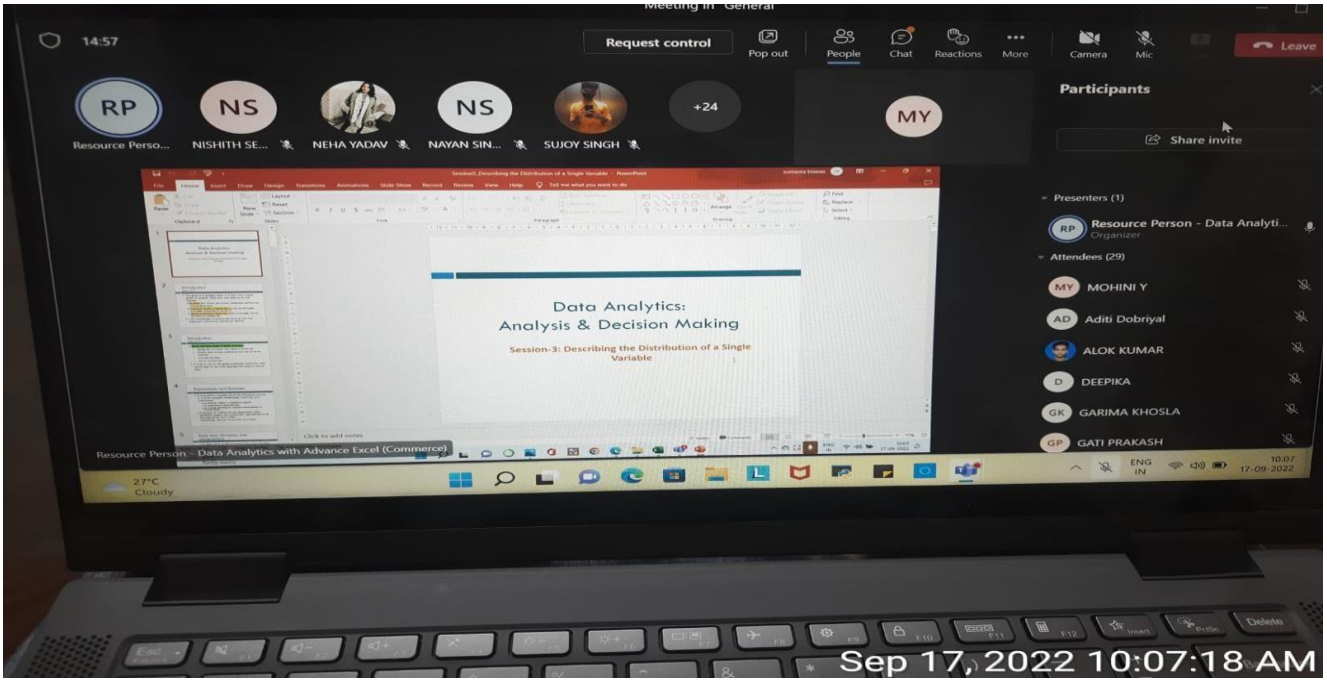
(Formatting, alignment and other different functions of excel are discussed)

DAY 3: SESSION 5 & 6: 17th September, Saturday

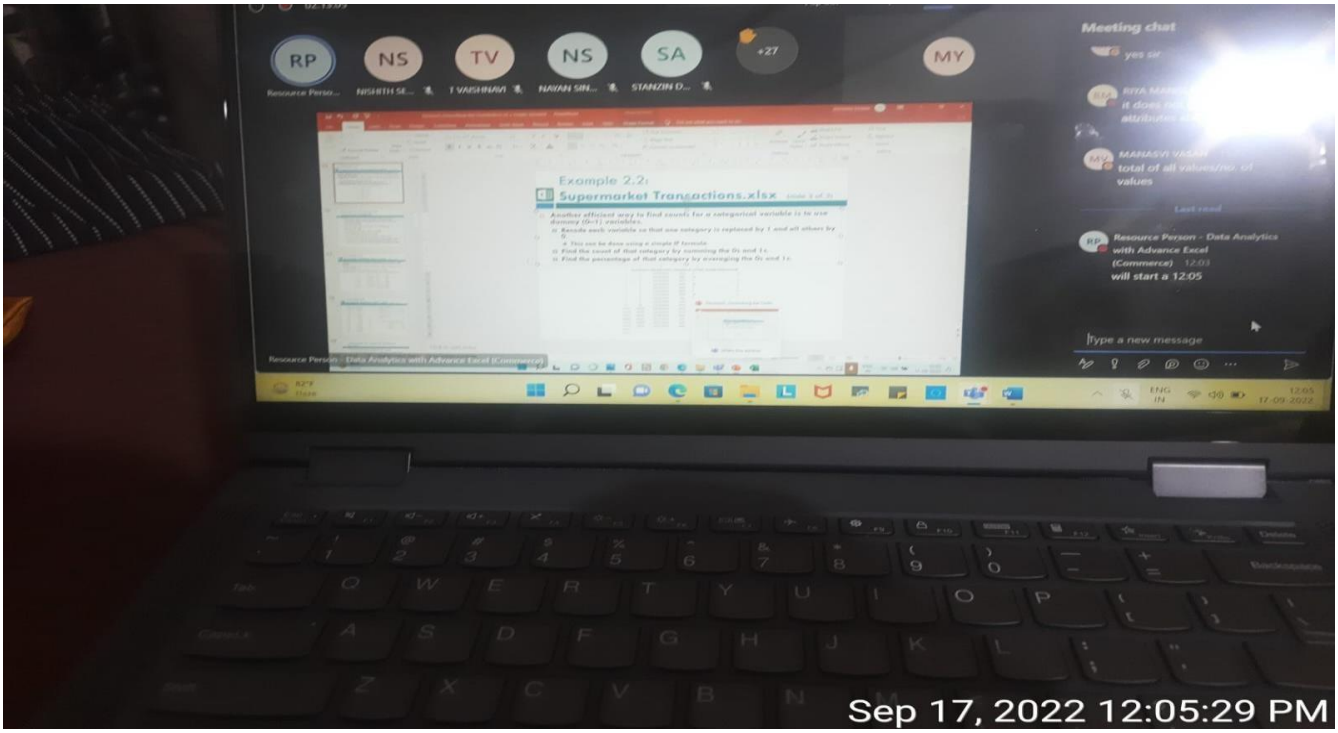
Time: 10:00:00 A.M.-1:30 P.M.

Link for the session: https://msteams.link/BA1L

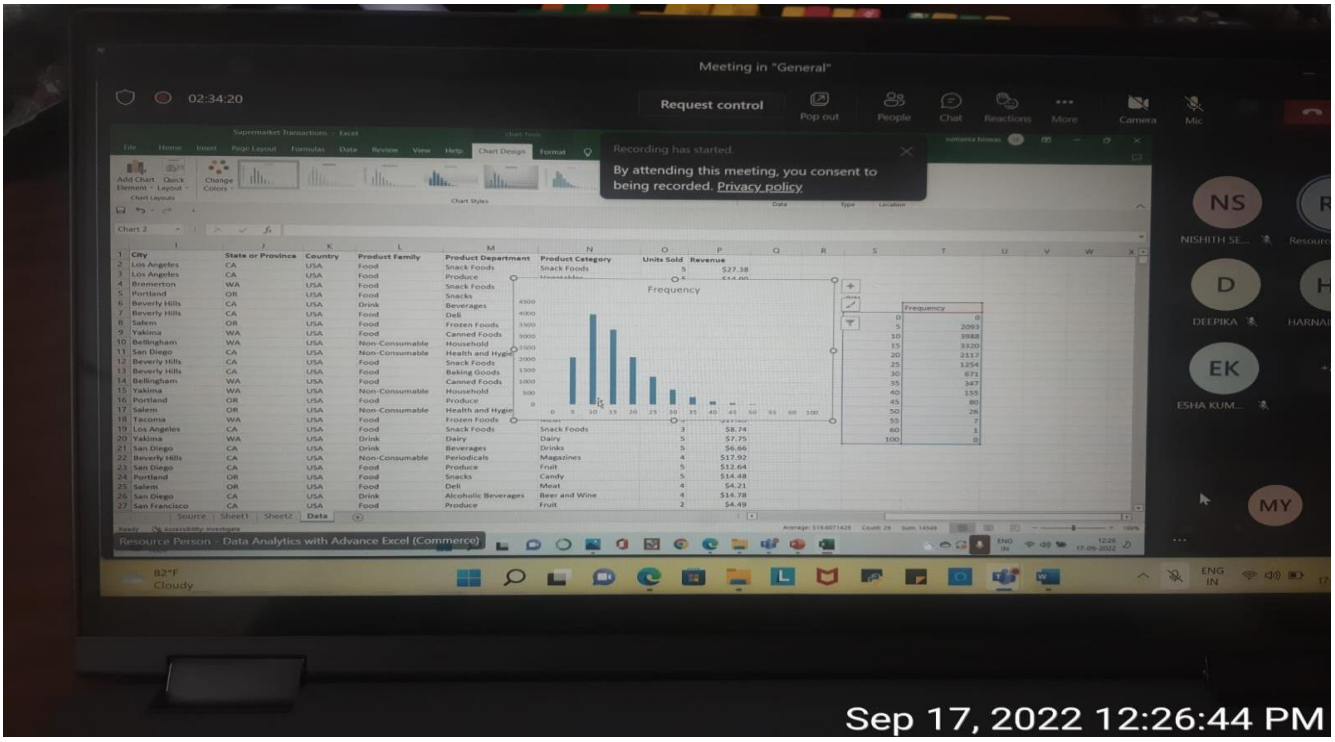
The 5th session started at 10:00 am and continued till 11:55 pm and 6th session started after 10 minutes break, i.e., from 12:05 pm to 1:30 pm on day 3 of the add-on course. It began with a short summary of the previous sessions. The data sets to be used in the class were shared beforehand with the students. In the sessions, students were given practical exposure in terms of understanding the data sets, the relationship between the variables and the distribution of the data. Various excel functions were used like mean, median, mode, deviation, frequency distribution, etc. It ended with the attendance of the students.



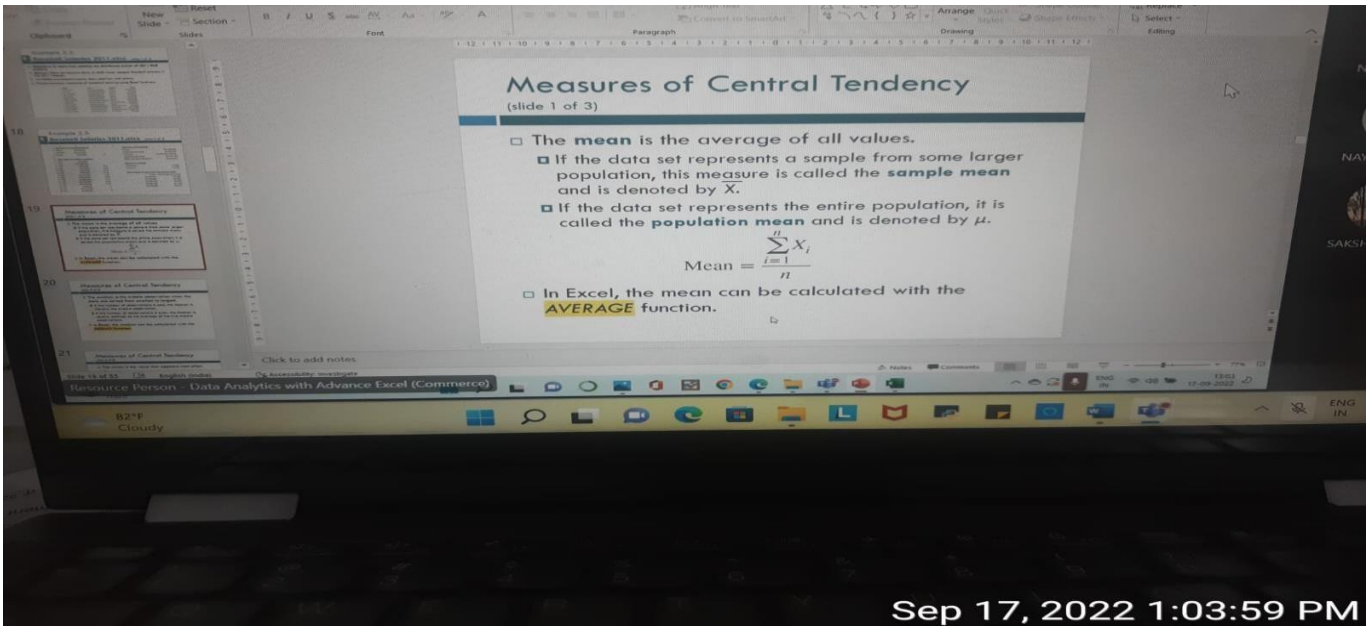
(Resource person starting with the 5th session)



(Resource person explaining the data set – "Supermarket Transaction")



(Frequency distribution formula is taught to see the distribution of the data)



(Central tendency formulas are discussed to understand the data)

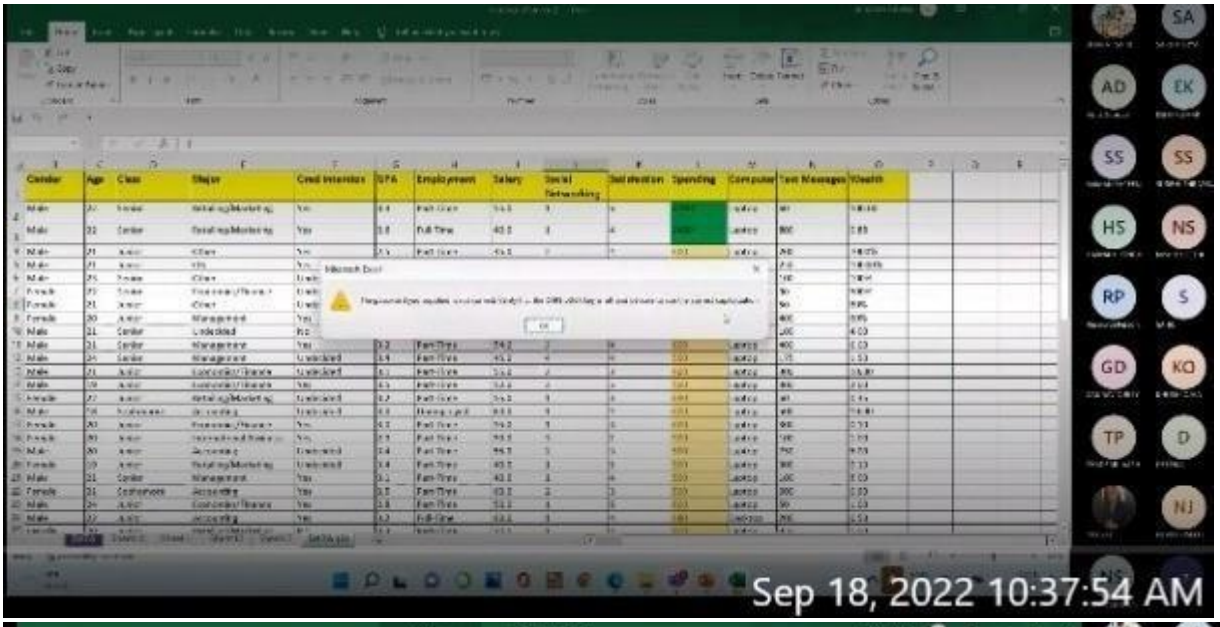
DAY 4: SESSION 7&8: 18 SEPTEMBER, SUNDAY

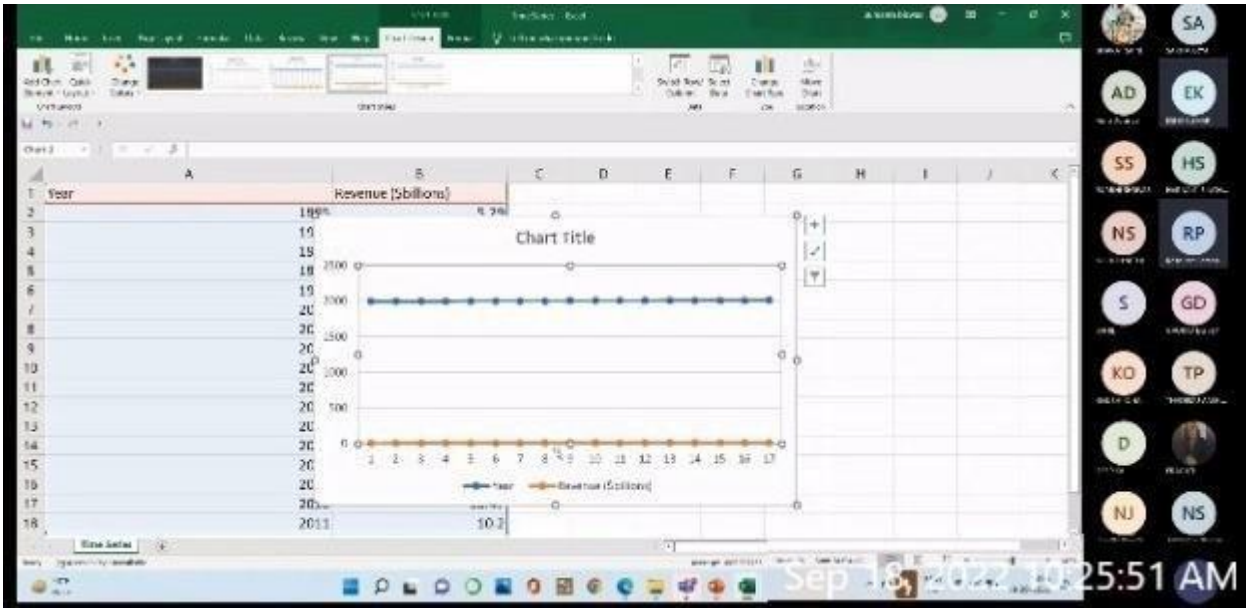
TIME OF CLASS: 10:00:00 AM TO 1:30 PM

Link for the session

https://msteams.link/BAIL

Day 4 had two sessions First one is started at 10:am and ended at 11:35 am after break of 25 minutes next session had started at 12:00 am and ended at 1:30 pm. So, the first session started with quick revision of previous session. PPTs and data set which are used for the today session is sent by the resource person before starting of class. In the sessions, students were given practical exposure in term of understanding data set and at the time of session they solve every query of each and every student who facing some problem in the excel. In these sessions Functions like mean median mode deviation in excel and also how to insert graph like pie chart, bar graph, etc.at last session ended with the attendance of students.





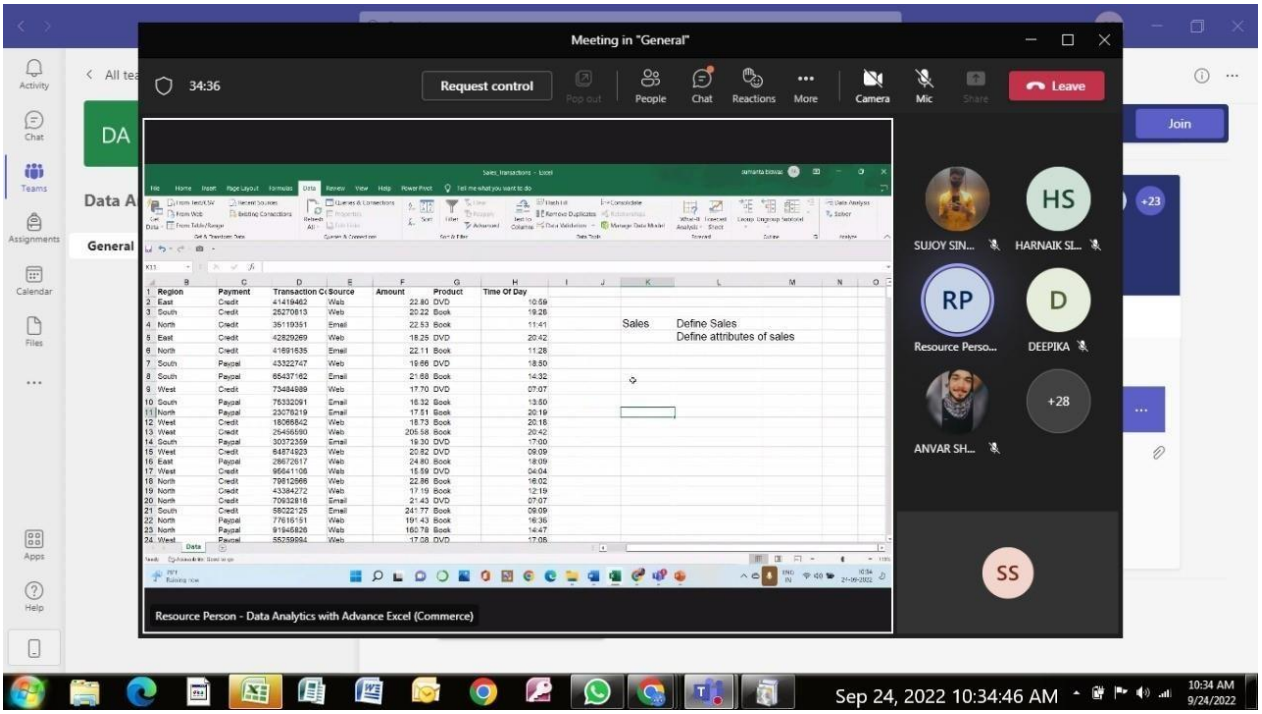
DAY 5: SESSION 9&10: 24 SEPTEMBER, SATURDAY

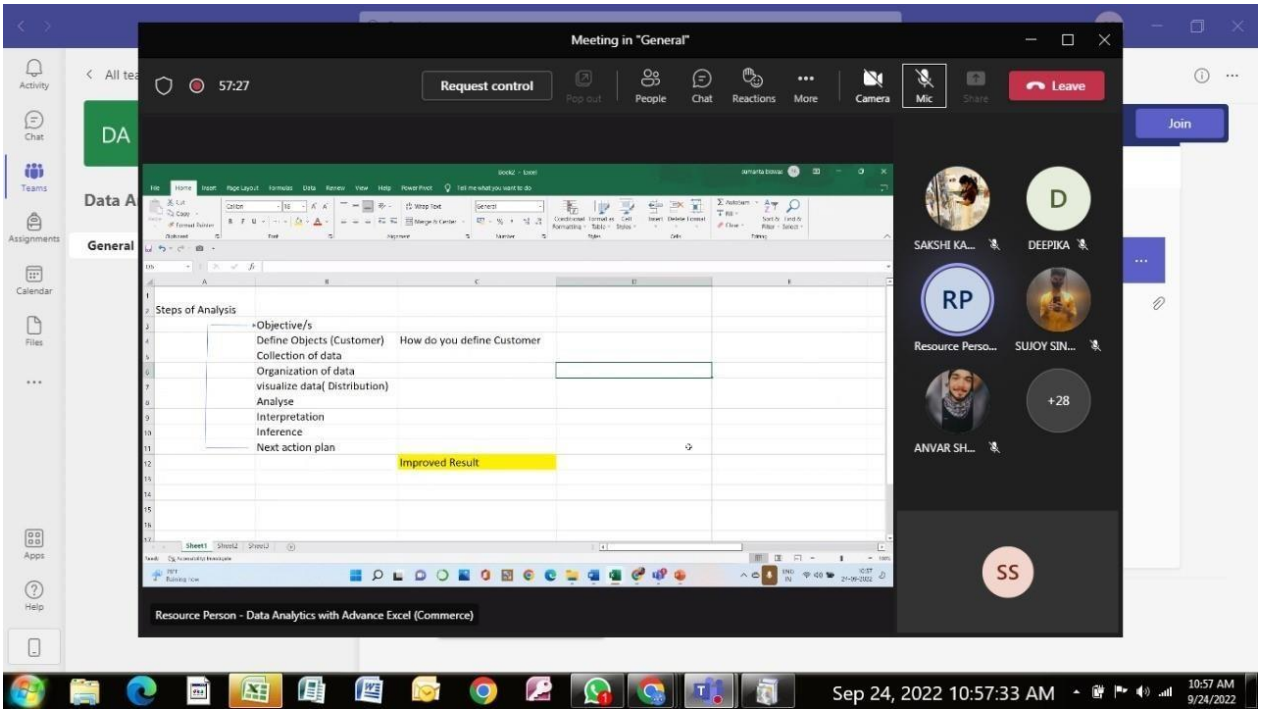
TIME OF CLASS: 10:00AM TO 1:30 PM

Link for the session

https://msteams.link/BAIL

Day 5 had two sessions First one is started at 10:am and ended at 11:35 am after break of 25 minutes next session had started at 12:00 am and ended at 1:30 pm. So, the first session starts with quick revision of previous session. PPTs and data set which are used for the session is sent by the resource person before starting of class. In these sessions students learnt about how to define the object in excels and how to visualize and analyze the data the data.at last session end with the attendance of student.





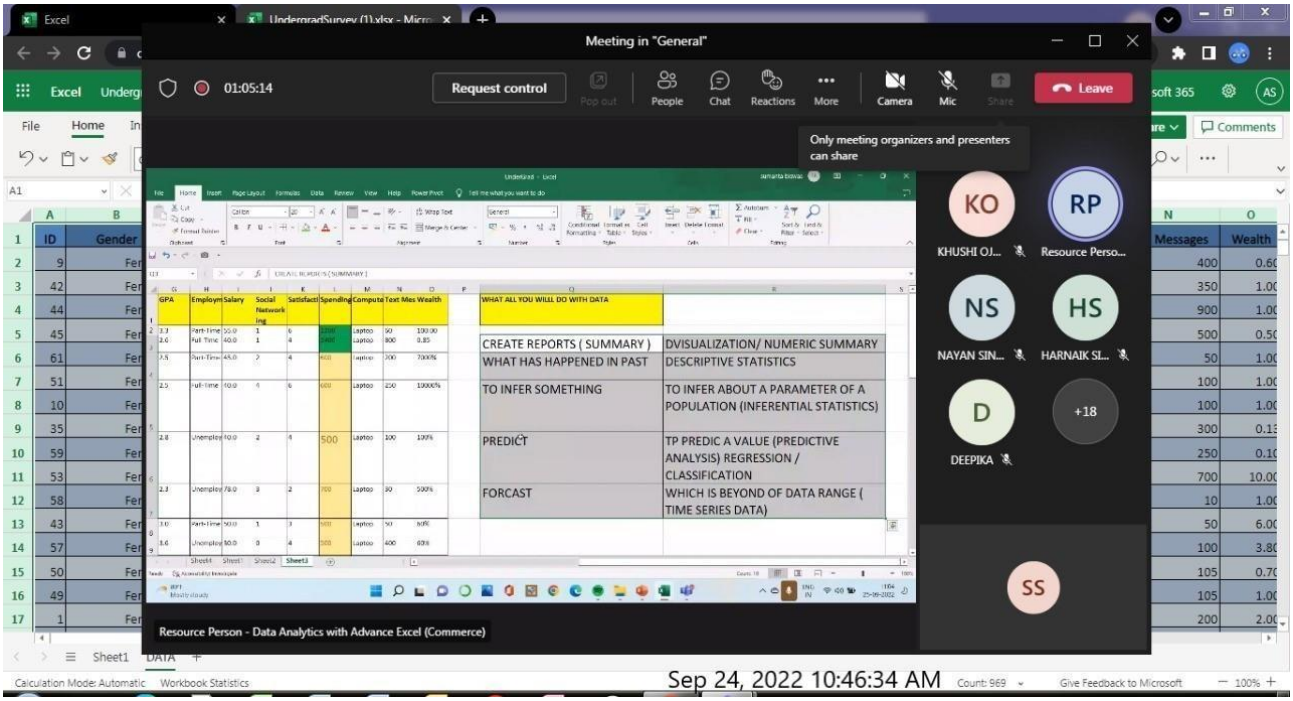
DAY 6 SESSION 11&12; 24 SEPTEMBER, SUNDAY

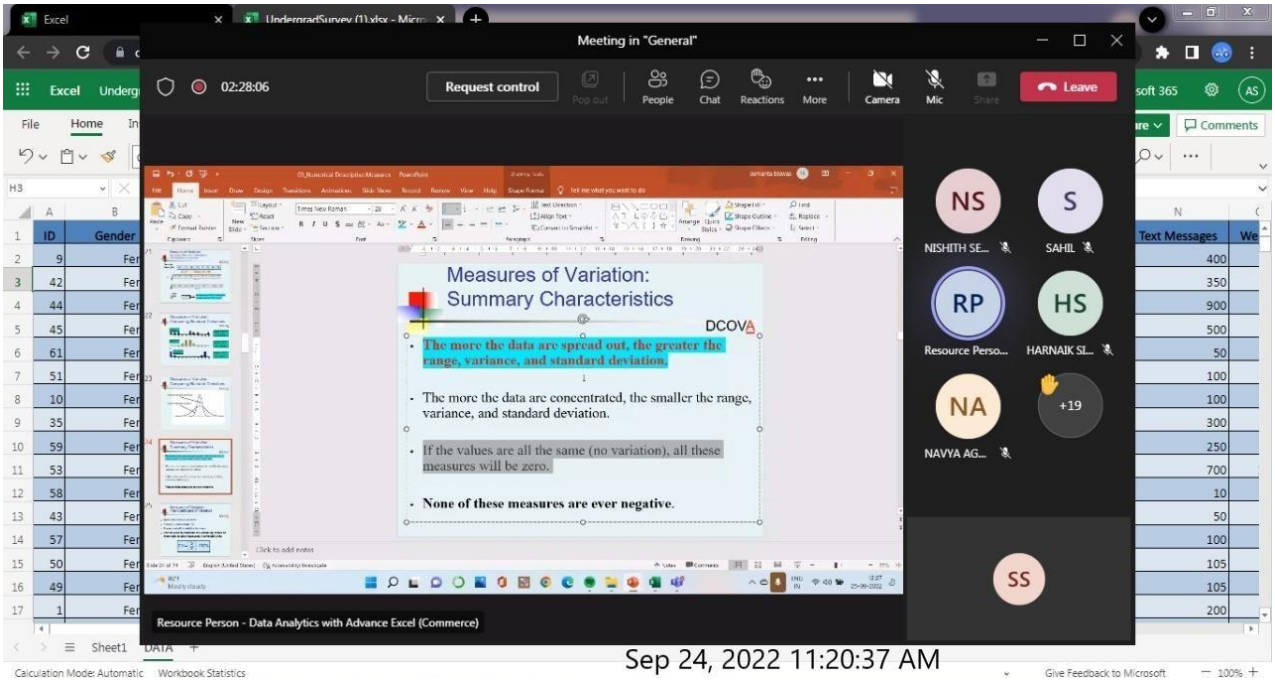
TIME OF CLASS: 10:00AM TO 1:30 PM

Link for the session

https://msteams.link/BAIL

Day 6 had two sessions First one is started at 10:am and ended at 11:35 am after break of 25 minutes next session had started at 12:00 am and ended at 1:30 pm. So, the first session starts with quick revision of previous session. PPTs and data set which are used for the session is sent by the resource person before starting of class. In these sessions students learnt about what we do in anaysing of data and about the measures of variations and coffiecient of variations practically.at last session end with the attendance of student.

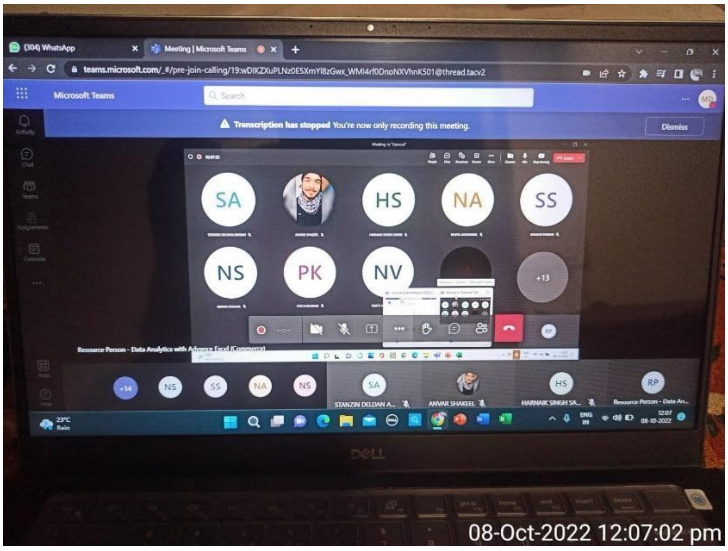


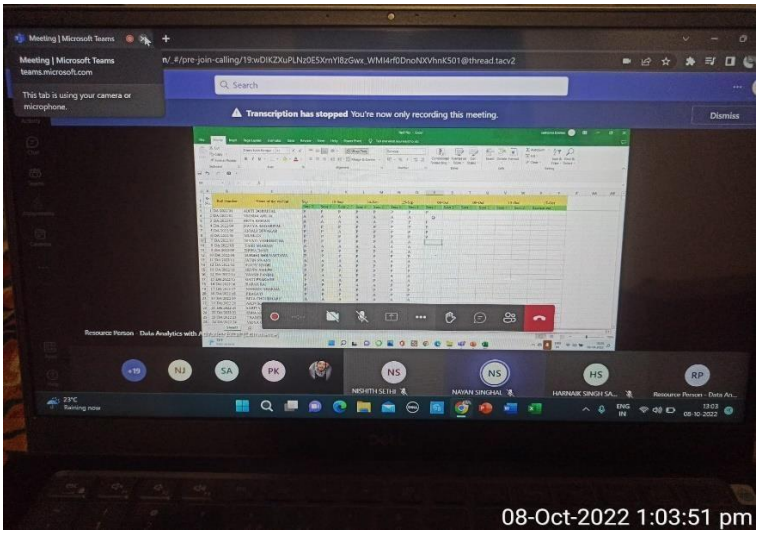


DAY 7 SESSION 13 & 14; 08 OCTOBER; SATURDAY
TIME OF CLASS: 10:00 AM TO 1:30 PM
Link for the session
https://msteams.link/BAIL

The 7th Day of the Add-on course, first session was started at 10:00 AM and ended at 11:35 AM. The first session started with a quick revision of previous session, thereafter he went on to explain different statistical tools which are available in excel with the help of PPTs already shared with the students. He explained the properties and uses of different functions.

After a break of 25 minutes, next session had started at 12:00 am and ended at 1:30 PM. During the second half of the session the resource person presented excel datasheet along with a PPT comprising explanations and uses of statistical tools. Students were given practical exposure in term of understanding data set and at the time of session they solve every query of each and every student who facing some problem in the excel. During this session student learnt about what are usage of data and how to calculate z value by calculating mean and standard deviation. At last session ended with the attendance of student.



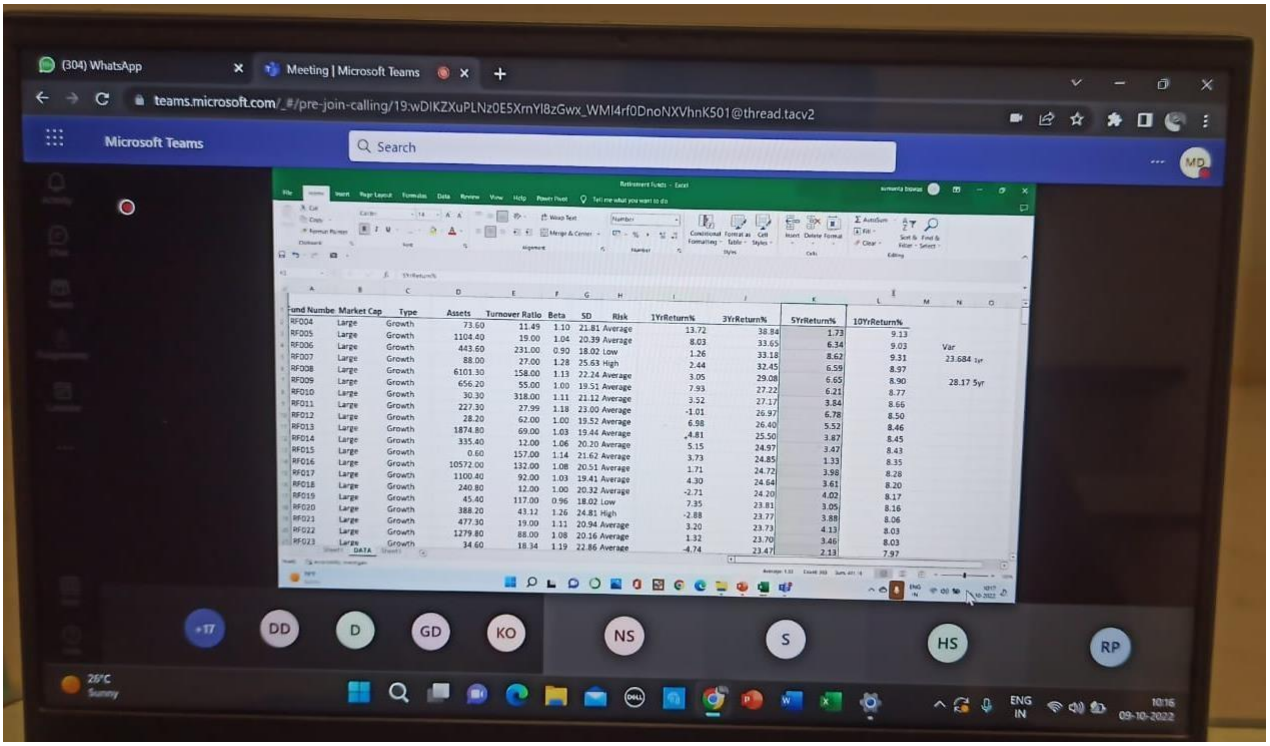


DAY 8 SESSION 15 & 16; 09 OCTOBER; SUNDAY
TIME OF CLASS: 10:00AM TO 1:30 PM
Link for the session
https://msteams.link/BAIL

The 8th Day of the Add-on course, session was started at 10.00AM. The resource person firstly took the doubts related to previous class and solved the related queries. After quick revision the resource person started with basics and fundamentals of chance and probability. He explained the calculation of probability with the help of Z and also explained the normal distribution concept. A short break of 20 minutes was given to students.

The second session started at 12 P.M. and resource person went ahead with another topic sample space with the help of an example. Thereafter he explained the conditional probability. He also explained the concepts of

variables and different types of variables. After this he explained the theoretical background of probability distribution and also took some practical examples to further deepen the understanding.



DAY 9: 15 OCTOBER, SESSION 17 & 18, SATURDAY

TIME OF CLASS: 10.00 A.M TO 1.30 P.M

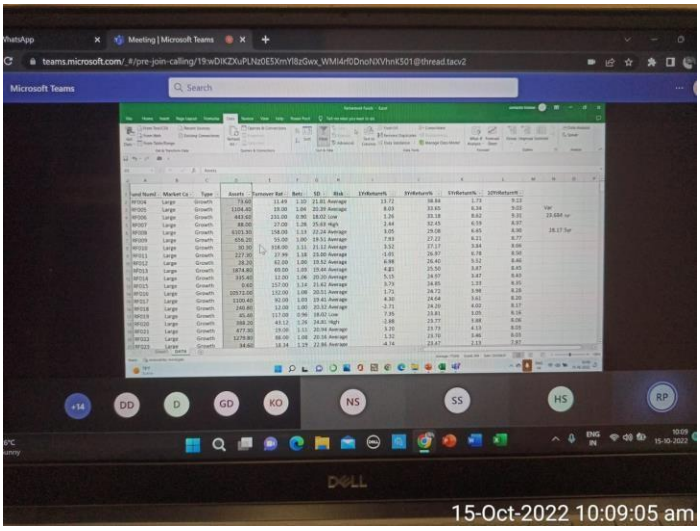
Link for the session

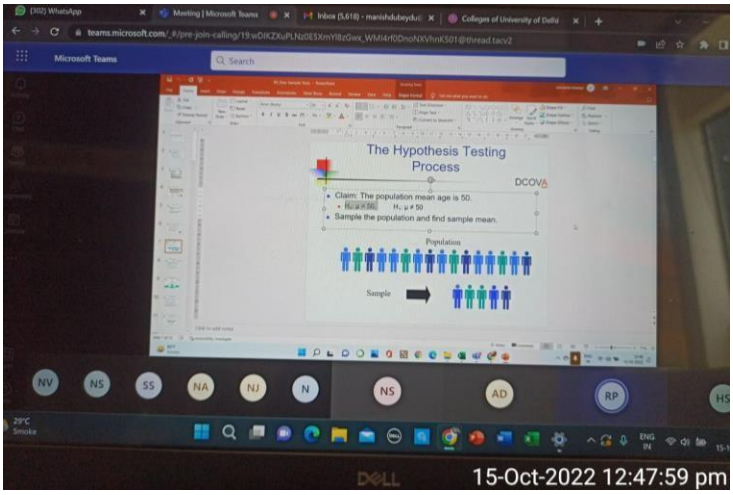
https://msteams.link/BAIL

The 9th Day of the Add-on course, session started at 10.00 AM. The resource person explained the concept of data cleaning first. He explained the concept of outliers and how to check the outliers with the help of statistical tools. He further explained how to interpret the data and derive statistical inferences from it. The concept of normality, central tendency and other statistical functions were explained with the help of excel datasheet. A short break of 20 min was taken.

The second session started at 12.20 pm after a break of 20 minutes. During the second session the resource person explained the concept of normal distribution with real life examples and then explained the process of computing it from given data sheet. After this he went on to explain the concept of hypothesis testing, critical

value, types of error and test statistics such as one sample t-test, independent sample t-test and paired sample t-test. The session ended with attendance of the students.

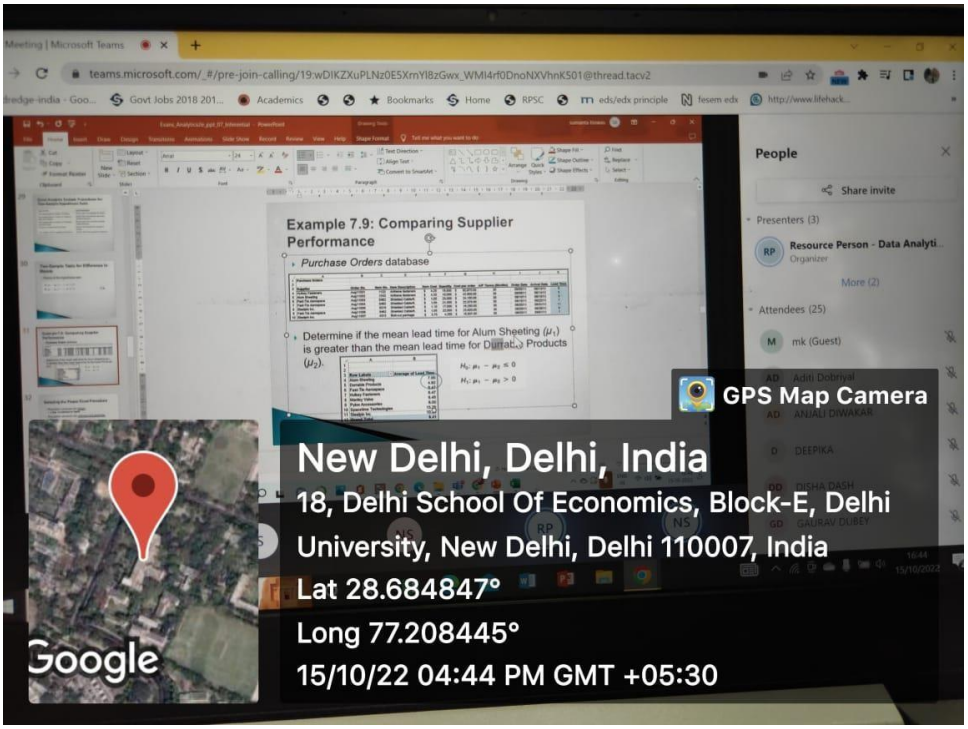


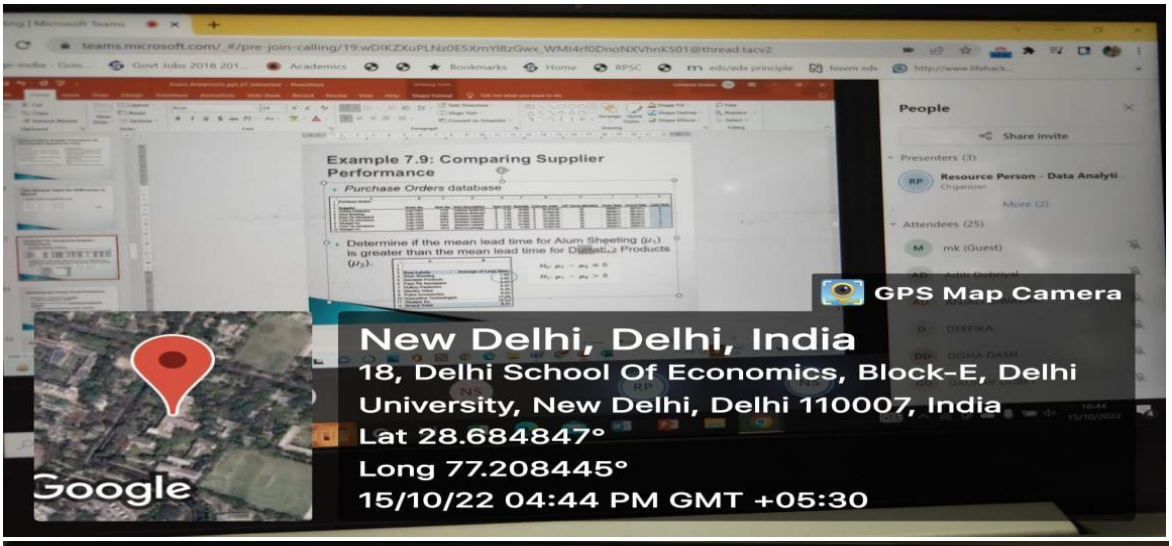


DAY 9: 15 OCTOBER, SESSION 19 & 20, SATURDAY

TIME OF CLASS: 4:00 P.M TO 7:00 P.M
Link for the session
https://msteams.link/BAIL

Day 9 evening session started at 4:00pm and ended at 7:00 pm. PPTs and data set which are used for the session is sent by the resource person before starting of class. In the sessions, students were given practical exposure in term of understanding data set. In this session, the resource person revised all the topics which were covered from the beginning and taught how to do hypothesis test in statistics and find p values in excel and how to conduct F test or how to use scatter diagram. In the same students were also brief about the assessment.


Example 7.9: Comparing Supplier Performance
Purchase Orders database
People
Share invite
Presenters (3)
Resource Person - Data Analyti
Organizer
Attendees (25)
mk (Guest)
GPS Map Camera
New Delhi, Delhi, India
18, Delhi School Of Economics, Block-E, Delhi University, New Delhi, Delhi 110007, India
Lat 28.684847°
Long 77.208445°
15/10/22 04:44 PM GMT +05:30
Google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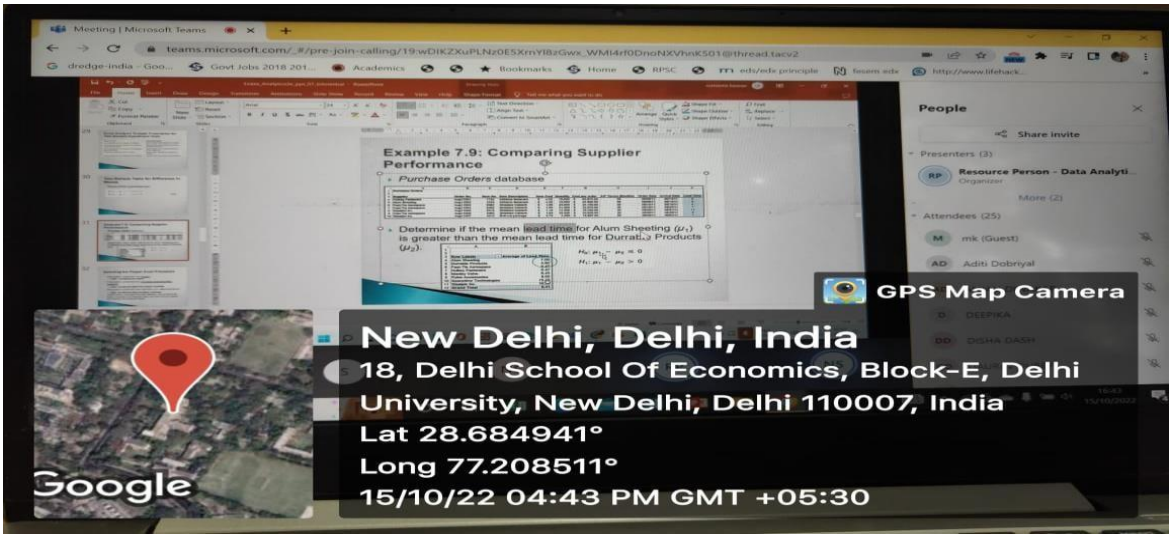
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Purchase Orders database
People
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Presenters (3)
Resource Person - Data Analyti
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New Delhi, Delhi, India
18, Delhi School Of Economics, Block-E, Delhi University, New Delhi, Delhi 110007, India
Lat 28.684941°
Long 77.208511°
15/10/22 04:43 PM GMT +05:30
Google

STUDENT LIST WITH ATTENDANCE (Total Number of Students-51)

S No.	Roll No.	Name of the student	10-Sep		11-Sep		17-Sep		18-Sep		24-Sep		25-Sep		08-Oct		09-Oct		15-Oct		17-Oct	
			S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	S1	S2	Assesment	
1	DA/2022/01	ADITI DOBRIYAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	DA/2022/02	VRINDA AHUJA	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	P	A	P	P
3	DA/2022/03	EKTA KODAN	P	P	A	A	A	A	A	A	A	A	P	P	P	P	A	A	A	A	P	P
4	DA/2022/04	NAVYA AGGARWAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	DA/2022/05	ANJALI DIWAKAR	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
6	DA/2022/06	MUSKAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	A	P	P
7	DA/2022/07	NIYATI VASHISHTHA	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P
8	DA/2022/08	YASH SHARMA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	P	P
9	DA/2022/09	DISHA DASH	P	P	P	P	P	P	P	P	P	P	A	A	A	A	P	P	P	P	P	P
10	DA/2022/10	SURBHI SHRIVASTAVA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
11	DA/2022/11	JATIN SWAMI	P	P	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	P	P
12	DA/2022/12	SUJOY SINGH	P	P	P	P	P	P	P	A	P	P	P	P	A	A	P	P	P	A	P	P
13	DA/2022/13	NEVIN JOSEPH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	DA/2022/14	VANSH PANDHI	P	P	P	P	P	P	A	A	P	P	A	A	A	A	P	P	P	A	P	P
15	DA/2022/15	GATI PRAKASH	P	P	P	P	P	P	A	A	P	P	A	A	A	A	A	A	A	A	P	P
16	DA/2022/16	HARSH RAJ	P	P	P	P	P	P	P	P	A	A	P	P	A	A	A	A	P	A	P	P
17	DA/2022/17	NANDINI SHARMA	A	A	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P
18	DA/2022/18	PRAGATI	P	P	P	P	P	P	P	P	A	A	P	P	A	A	A	A	A	A	P	P
19	DA/2022/19	RIYA CHOUDHARY	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	P	P
20	DA/2022/20	AADVIKA SOOD	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	P	P
21	DA/2022/21	SARITA ARYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P
22	DA/2022/22	ESHA KUMARI	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P

23	DA/2022/23	THADEMU AASHRITH PATEL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
24	DA/2022/24	VIDYA CHARAN GOUD GOUNI	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P
25	DA/2022/25	DEEPIKA	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P
26	DA/2022/26	RIYA MANGLANI	P	P	A	A	P	P	P	P	A	A	A	A	A	A	P	P	P	P	P	P
27	DA/2022/27	T VAISHNAVI	P	P	P	P	P	P	A	A	A	A	A	A	A	A	A	A	A	A	P	P
28	DA/2022/28	ABHAY HARINDRA GUPTA	P	P	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	P	P
29	DA/2022/29	MANASVI VASAN	P	P	A	A	P	P	P	A	A	A	A	A	A	A	A	A	A	A	P	P
30	DA/2022/30	PEDDI KOUSHIK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	DA/2022/31	ALOK KUMAR	P	P	P	P	A	A	A	A	A	A	A	A	P	P	A	A	A	A	P	P
32	DA/2022/32	NEHA YADAV	P	P	P	P	P	P	P	A	P	P	P	P	A	A	A	A	A	A	P	P
33	DA/2022/33	SHUBHAM KANOJIA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P
34	DA/2022/34	GAURAV DUBEY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	DA/2022/35	NAYAN SINGHAL	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P
36	DA/2022/36	BHARAT SAINI	P	P	P	P	P	P	P	P	P	P	A	A	A	A	A	A	A	A	P	P
37	DA/2022/37	KHUSHI OJHA	P	P	P	P	P	P	P	A	A	A	A	A	A	A	P	P	P	P	P	P
38	DA/2022/38	SAHIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	DA/2022/39	RIYA GHOSH	P	P	P	P	P	P	A	A	P	P	A	A	P	P	A	A	A	A	P	P
40	DA/2022/40	NISHITH SETHI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	DA/2022/41	GARIMA KHOSLA	P	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	P	A	P	P
42	DA/2022/42	SAIMAN SHREEN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	DA/2022/43	MANAN	P	P	A	A	P	P	P	A	P	P	A	A	P	P	A	A	A	A	P	P
44	DA/2022/44	SAKSHI KAUSHIK	P	P	A	A	P	P	A	A	P	P	A	A	A	A	A	A	A	A	P	P
45	DA/2022/45	ANVAR SHAKEEL	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A	A	A	A	P	P
46	DA/2022/46	SAMRITI KAPUR	P	P	A	A	P	P	P	P	P	P	A	A	A	A	A	A	A	A	P	P
47	DA/2022/47	HARNAIK SINGH SAHNI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48	DA/2022/48	STANZIN DELDAN ANGMO	P	P	P	P	P	P	P	A	A	A	A	A	P	P	P	P	P	P	P	P
49	DA/2022/49	NISHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	DA/2022/50	SHRISHTI RAKHECHA	A	A	A	A	A	A	P	A	P	P	A	A	A	A	A	A	A	A	P	P

51	DA/2022/51	NAVYA AGGARWAL										P	P	P	P	P	P	P	P	P	P

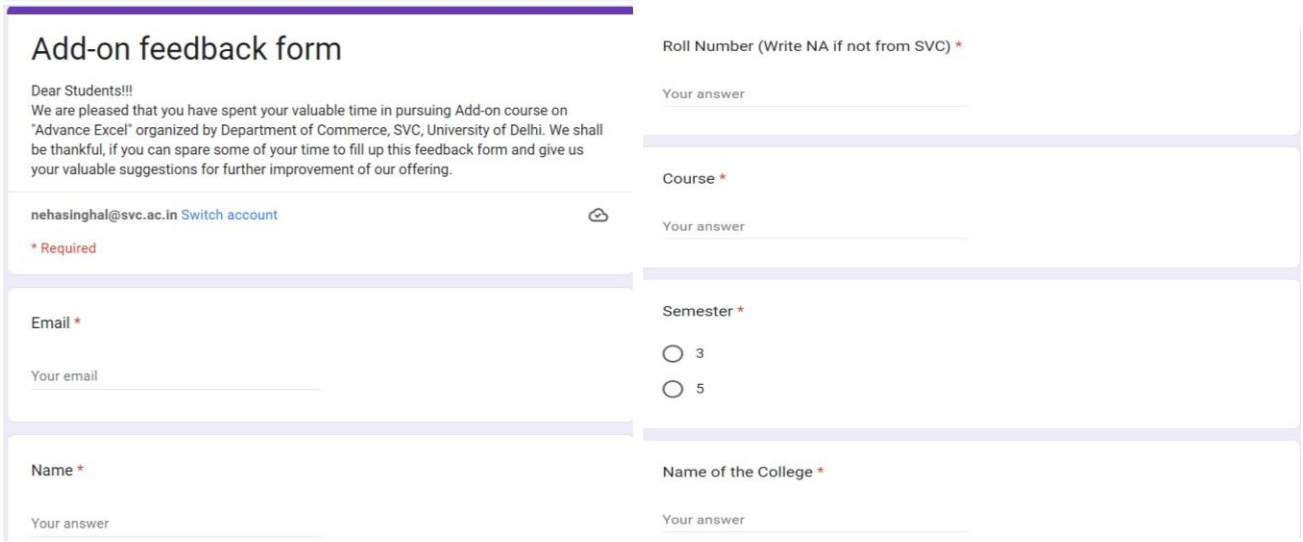
CERTIFICATE OF ADD ON COURSE

FEEDBACK FORM AND LINK

feedback form link - https://forms.gle/PUs9imnN3FtW1pz56

S.No	Roll No	NAME OF THE STUDENT	Marks
1	DA202201	ADITI DOBRIYAL	75
2	DA202202	VRINDA AHUJA	ABSENT
3	DA202203	EKTA KODAN	77.5
4	DA202204	NAVYA AGGARWAL	77.5
5	DA202205	ANJALI DIWAKAR	87.5
6	DA202206	MUSKAN	70
7	DA202207	NIYATI VASHISHTHA	70
8	DA202208	YASH SHARMA	ABSENT
9	DA202209	DISHA DASH	85
10	DA202210	SURBHI SHRIVASTAVA	75
11	DA202211	JATIN SWAMI	ABSENT
12	DA202212	SUJOY SINGH	72.5
13	DA202213	NEVIN JOSEPH	97.5
14	DA202214	VANSH PANDHI	70
15	DA202215	GATI PRAKASH	ABSENT
16	DA202216	HARSH RAJ	92.5
17	DA202217	NANDINI SHARMA	90
18	DA202218	PRAGATI	92.5
19	DA202219	RIYA CHOUDHARY	95
20	DA202220	AADVIKA SOOD	72.5
21	DA202221	SARITA ARYA	92.5
22	DA202222	ESHA KUMARI	82.5
23	DA202223	THADEMU AASHRITH PATEL	75
24	DA202224	VIDYA CHARAN GOUD GOUNI	77.5
25	DA202225	DEEPIKA	95
26	DA202226	RIYA MANGLANI	97.5
27	DA202227	T VAISHNAVI	ABSENT
28	DA202228	ABHAY HARINDRA GUPTA	92.5
29	DA202229	MANASVI VASAN	87.5
30	DA202230	PEDDI KOUSHIK	77.5
31	DA202231	ALOK KUMAR	92.5
32	DA202232	NEHA YADAV	ABSENT
33	DA202233	SHUBHAM KANOJIA	95
34	DA202234	GAURAV DUBEY	67.5

35	DA202235	NAYAN SINGHAL	95
36	DA202236	BHARAT SAINI	85
37	DA202237	KHUSHI OJHA	65
38	DA202238	SAHIL	75
39	DA202239	RIYA GHOSH	90
40	DA202240	NISHITH SETHI	80
41	DA202241	GARIMA KHOSLA	87.5
42	DA202242	SAIMAN SHREEN	60
43	DA202243	MANAN	65
44	DA202244	SAKSHI KAUSHIK	92.5
45	DA202245	ANVAR SHAKEEL	92.5
46	DA202246	SAMRITI KAPUR	ABSENT
47	DA202247	HARNAIK SINGH SAHNI	62.5
48	DA202248	STANZIN DELDAN ANGMO	62.5
49	DA202249	NISHA	47.5
50	DA202250	SHRISHTI RAKHECHA	52.5
51	DA202251	NAVYA AGGARWAL	ABSENT



Contact Number *

Your answer

Please share your experience *

	Excellent	Very Good	Good	Fair	Poor
Teaching and learning process in the Add-on was	○	○	○	○	○
Content covered by resources persons was	○	○	○	○	○
Demo provided by resource persons was	○	○	○	○	○
Timing of the classes	○	○	○	○	○
Grievance Redressal	○	○	○	○	○
Involvement of Teachers	○	○	○	○	○
Overall course rating that you would like to give	○	○	○	○	○

Duration of the course was *

- ○ Sufficient
- ○ insufficient

Any other feedback or suggestion *

FEEDBACK OF THE RESOURCE PERSON

FEEDBACK OF THE ORGANIZING TEAM

FEEDBACK OF THE ENTIRE COURSE

Tirumala Tirupati Devasthanams
శ్రీ వేంకటేశ్వర కళాశాల
Sri Venkateswara College
(University of Delhi)
NAAC Grade A+

CERTIFICATE

This is to certify that the "**Data Analytics with Advance Excel**" was successfully conducted from Sep 10, 2022- Oct 17, 2022 by Add on Course Committee, Department of Commerce in the Online mode and its event report has been submitted to IQAC for records.

Event In-Charge

IQAC Coordinator

Principal