



# ST. WILFRED'S COLLEGE OF COMPUTER SCIENCES

Affiliated to Mumbai University, Approved by AICTE- New Delhi, DTE Maharashtra (DTE Code-3539)

## OJAS 2025

### *Online Job-oriented Advanced Supplements*

2 Days Online MANAGEMENT DEVELOPMENT PROGRAMME

On

## **“Operations Research & Supply Chain Analytics”**

20<sup>TH</sup> DECEMBER 2024(SATURDAY) & 21<sup>TH</sup> DECEMBER 2024(SUNDAY)

<https://meet.google.com/ycb-iguf-kty>



*Powered By*

### **Internal Quality Assurance Cell (IQAC)**

◆ **CONVENER** ◆

**PROF. (DR) SHUBHI LALL AGARWAL**

DIRECTOR

**St. Wilfred's College of Computer Sciences**

Mira Road, Thane, **401107**, Maharashtra, India

**Handheld & Email Address: 9320844664, shubhilall@gmail.com**

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## ◆ About WILFRED'S ◆

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In the suburbs of Mumbai, there is an institution that is creating an ideal place for tech savvy students and gain knowledge and experience in the field of Information Technology and Computer Science. The Wilfred's Group of Colleges is a conglomerate of premiere educational institutions, driven by a single-minded focus on imparting quality education to build responsible citizens.

Established in the year 2000 in Jaipur, Rajasthan, with a mission to redefine the system of education, St Wilfred's Education Society is a professionally managed and multi-disciplinary hub of knowledge. Its premiere educational institutes conduct university accredited and autonomous courses.

Training is imparted throughout the year. Projects and assignments are given highest importance and students learn on the job. Application-oriented knowledge, garnered in the lecture theatre, is applied to industry assignments.

At Wilfred's thousands of students and faculty are involved in delivering unique learning systems, through ultra-modern infrastructure and academic rigour. Wilfred's Institutes are affiliations to the University of Mumbai, Directorate of Technical Education, All India Council of Technical Education, Pharmacy Council of India and Bar Council of India.

There are several institutes spread across 4 cities in state of the art campuses located in Jaipur, Ajmer, Navi Mumbai and Thane.

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## About OJAS

Ojas is a Sanskrit term meaning "vigor," and it is best understood as essential energy for the body and mind. It not only gives tissues strength and endurance, but it protects the health and vitality of cells, thereby influencing all bodily functions and physiological processes.

*St. Wilfred's College of Computer Sciences, which provides Two Years Full Time MCA Programme, strongly believe in connecting with industry experts and collaborative learning. Under 'OJAS' MDP series, the faculty members and various eminent speakers will share their knowledge with management experts and upgrade them on technology front which can be applied in their offices and they can take critical decisions easily.*

The institute will conduct MDP training programs from time to time as per the new emerging technologies and their penetration in the various industry. The focus will be on imparting latest technical knowledge to the working professionals of the country who are in the mid of their carriers and want to learn from home after their office hours.

### Objective of **O**nline **J**ob-oriented **A**dvanced **S**upplements (OJAS)

- Focus on a healthy and skilled mind-set
- Having all vital knowledge to sustain in the current digital world
- Build strength and use it for the organizations goal
- To develop longevity at workplace
- Develop immunity towards outside world
- Develop emotional wellbeing
- Become mindful with spiritual growth

**SCHEDULE**



**ST. WILFRED'S COLLEGE OF COMPUTER SCIENCES**  
Approved by AICTE, New Delhi | Affiliated to University of Mumbai

ADDRESS : SANGHVI NAGAR, HATKESH, MIRA ROAD-EAST, THANE, MAHARASHTRA



Powered by **IQAC**  
Internal Quality Assurance Cell.

**MANAGEMENT DEVELOPMENT PROGRAMME SERIES**  
**OJAS 2025**  
**ONLINE JOB-ORIENTED ADVANCED SUPPLEMENTS**  
**Edition 3 : Operations Research and Supply Chain Management !**  
**20 & 21 December 2025 | Online Weekend Programme**

**REGISTER HERE**  
[HTTPS://TINYURL.COM/OJASMDP](https://tinyurl.com/ojasmdp) / FEE: RS. 1000/-



**PROF. ANUPAM SINHA**  
**INDUSTRY EXPERT IIT KHARAGPUR**  
**DAY 1 - 10.30 AM - 12.30 PM**  
**2.00 PM -4.00 PM**  
Topic: Material Requirement Planning for Soft Floor Production



**PROF.(DR) SHUBHI LALL AGARWAL**  
**BUSINESS ANALYTICS EXPERT**  
**DAY 2 - 10.30 AM - 12.30 PM**  
**2.00 PM -4.00 PM**  
Topic: Supply Chain Analytics

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## ◆ ABOUT RESOURCE PERSONS ◆

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### TOPIC: Supply Chain Analytics



#### **Dr. Shubhi Lall Agarwal, Director & Professor**

St. Wilfred's College of Computer Sciences, Mira Road, Thane, Maharashtra, India, [shubhilall@gmail.com](mailto:shubhilall@gmail.com)

*Dr Shubhi Lall Agarwal is recipient of Dr APJ Abdul Kalam Life time achievement National Award for her novel 'Why outside, Why not India?' Listed in top 100 Women Face of the year in 2024 by glantor x magazine, received women leadership award in 2022 by Glantor X, a leading Research company and got listed in top 100 woman leaders of the world and top 11 environmentalist adjudged by Organic energy news UK. She is a Business Analyst enthusiast with Ph.D. applying Analytics on Wind Turbines using neural networks and MBA in*

*Business Analytics from NMIMS Global Mumbai.*

### TOPIC: Material Requirement Planning for Soft Floor Production



#### **Mr. Anupam Sinha, Associate Professor**

St. Wilfred's College of Computer Sciences, Mira Road, Thane, Maharashtra, India, [anupamsinhaswc@gmail.com](mailto:anupamsinhaswc@gmail.com)

*An industry Expert with education from IIT Kharagpur and IIT Banaras. Having rich 35 years' experience in industry and teaching, Prof. Sinha has served various Management colleges and companies in his tenure. Fond of Operations Research, he is also a mathematician with various teaching pedagogies to apply on the student community. He is an ardent reader of Operations related cases and its outcomes and learnings.*

**LIST OF PARTICIPANTS – Total 8 participants**

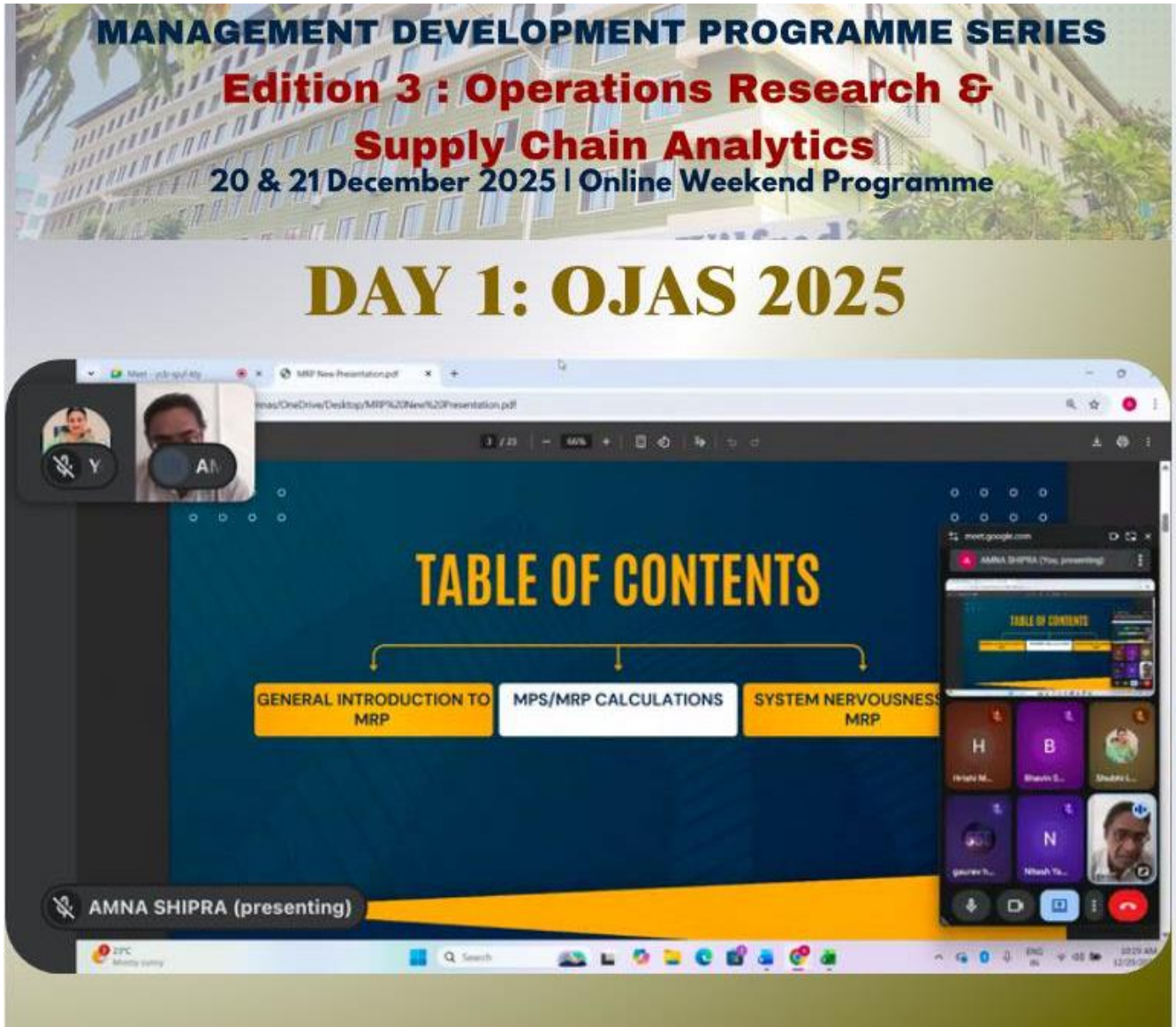
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12-01- 2025 20:48	<a href="mailto:anuradha.patange@gmail.com">anuradha.patange@gmail.com</a>	+91 99168 00404	Ms	<b>ANURADHA PATANGE MANJUNATH</b>	Bangalore Karnataka India	<b>School</b>	Computer
12-11- 2025 15:14	gaurevhabaade@gmail.com	6390211055	Mr	<b>GAURAV SANTOSH HABADE SANTOSH RAGHUNATH HABADE</b>	Mumbai Maharashtra India	<b>St. Wilfred's College of Management Studies, Mira Road</b>	Marketing
12/16/2025 21:14:34	<a href="mailto:yadavnitesh989@gmail.com">yadavnitesh989@gmail.com</a>	9967456541	Mr	<b>NITESH YADAV OM PRAKASH YADAV</b>	Mumbai Maharashtra India	<b>ZETA</b>	Business Intelligence
12/17/2025 13:26:50	<a href="mailto:mr.bhavin.ace@gmail.com">mr.bhavin.ace@gmail.com</a>	7977018876	Dr	<b>BHAVIN CHETANKUMAR SHAH</b>	Mumbai Maharashtra India	<b>Thakur College of Engineering &amp; Technology</b>	Electronics & Telecommunication Engineering
12/17/2025 13:55:52	<a href="mailto:sumitsagaramity@gmail.com">sumitsagaramity@gmail.com</a>	9560700231	Mr	<b>SUMIT KAK SRIVASTAVA SAGAR</b>	New Delhi New Delhi India	<b>Accenture</b>	HR
12/17/2025 21:10:01	deepachalkhamb@gmail.com	+91 88062 84672	Mr	<b>DEEP SHILRATNA ACHALKHAMB</b>	Mumbai Maharashtra India	<b>Taj Materials Management Trainee</b>	Operations
12/18/2025 15:11:32	rohitkr57@gmail.com	+91 79832 84463	Mr	<b>ROHIT NA KUMAR</b>	Mumbai Maharashtra India	<b>Indian Institute of Management , Mumbai</b>	Operations

## Day 1: 20<sup>st</sup> December 2025

### Session 1: **Material Requirement Planning for Soft Floor Production**

**Material Requirements Planning (MRP)** is a computerized inventory and production planning system used to manage manufacturing processes. It ensures that materials are available for production, finished goods are available for delivery, and inventory is kept at optimal levels.

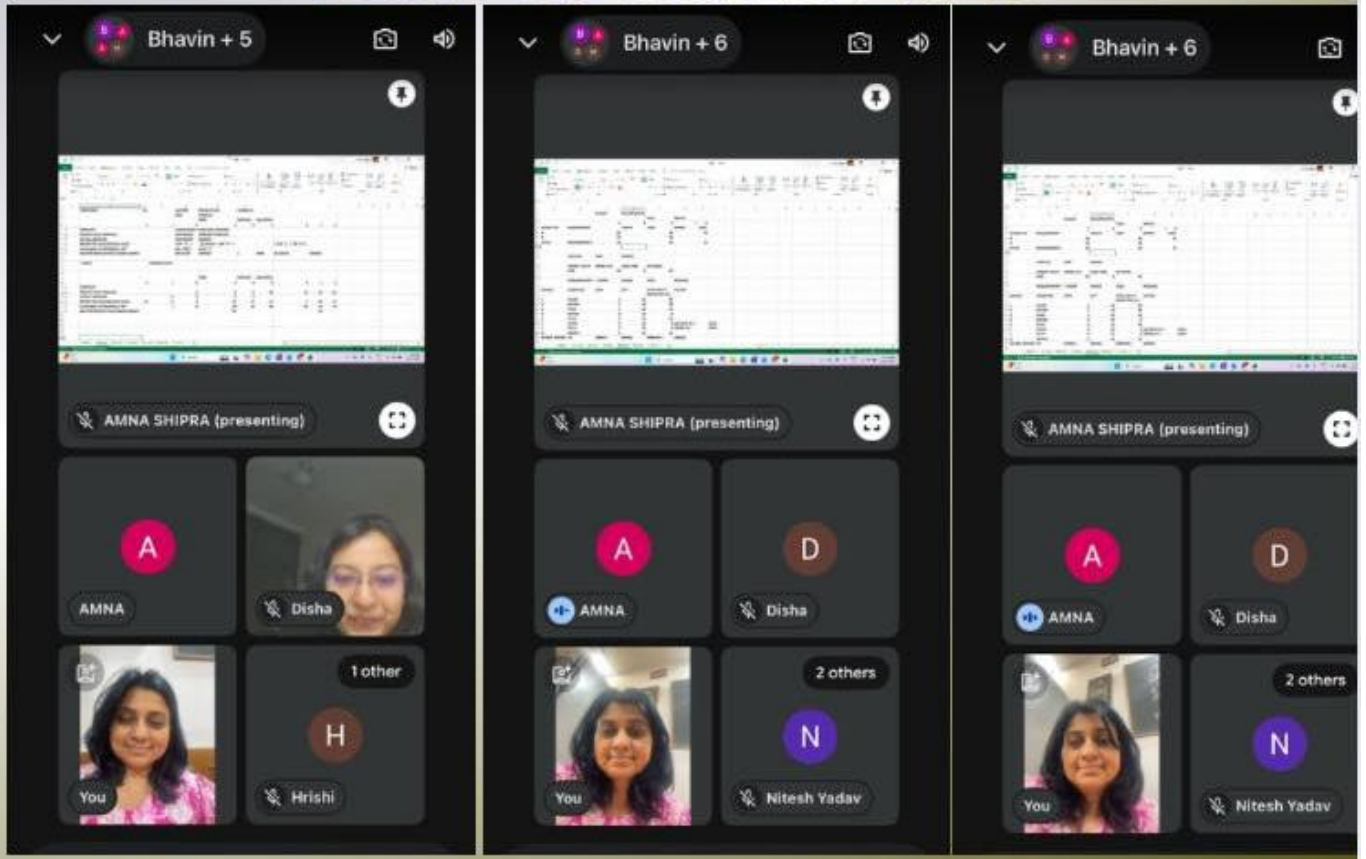
The image is a composite of two parts. The top part is a banner for St. Wilfred's College of Computer Sciences (SWCCS). It features the IQAC (Internal Quality Assurance Cell) logo on the left and the college's name and address (SANGHVI NAGAR, HATKESH, MIRA ROAD-EAST, THANE, MAHARASHTRA) in the center. The banner title is 'MANAGEMENT DEVELOPMENT PROGRAMME SERIES Edition 3: Operations Research & Supply Chain Management!' with dates '20 & 21 December 2025 | Online Weekend Programme'. The bottom part of the image shows a Zoom meeting interface. The main window displays a presentation slide with the SWCCS logo and the text 'BUSINESS OPERATION MANAGEMENT'. The presenter is identified as 'AMNA SHIPRA (presenting)' and the date is '20 DEC., 2025'. The Zoom interface also shows a grid of participants and a mobile phone view of the same presentation slide.



The session gave the students the ability to make informed purchasing decisions, schedule raw **material** deliveries, determine how much **material** is necessary to meet **production**, and create a labor schedule.

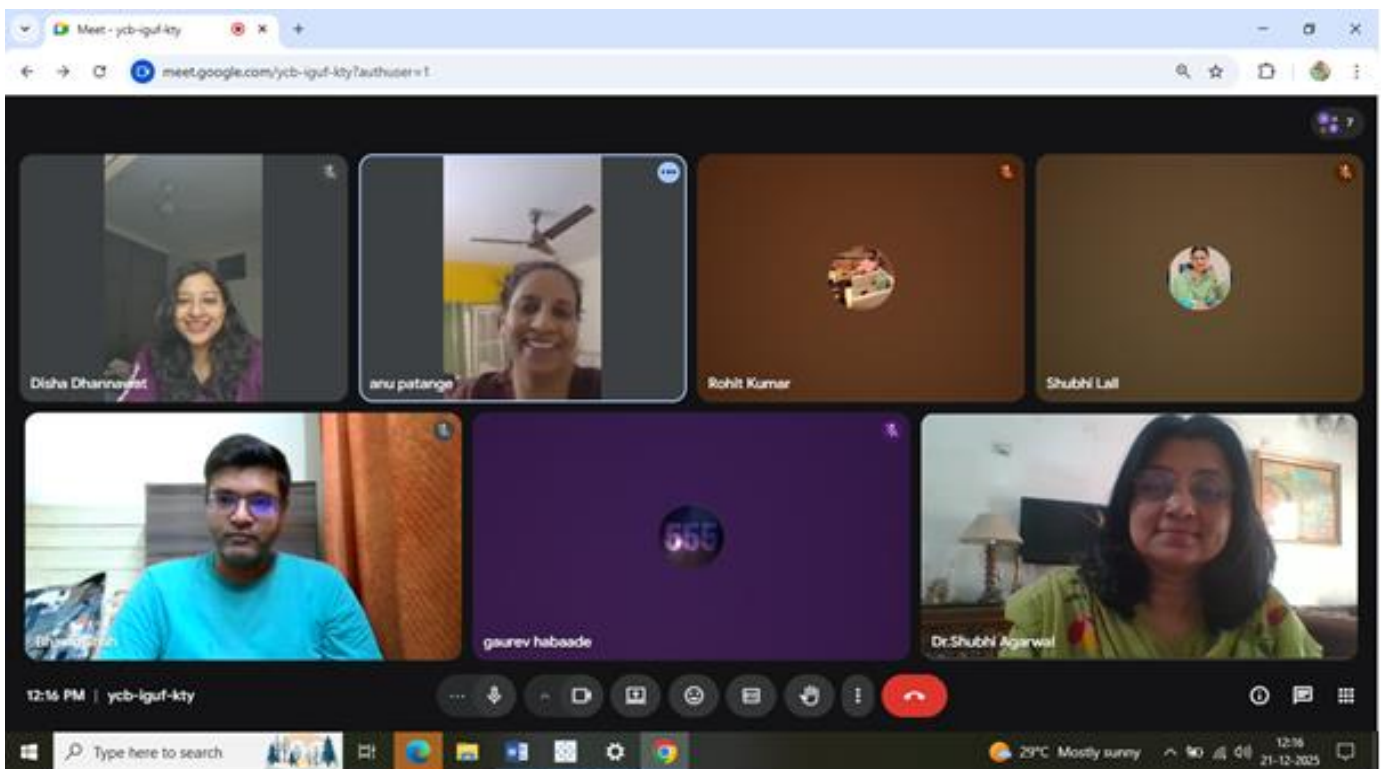


## DAY 1: OJAS 2025



## Day 2: 21<sup>st</sup> December 2025

### Session 2: Supply Chain Analytics



**Expected Procurement Cost for Base Model**

**(i) EPC Decomposition**  
 EPC Contribution vs Components (PV, DI, SI, CI). Total sum =  $2.18 \times 10^9$ .

**(ii) EPC<sub>DI</sub> Decomposition**  
 EPC Contribution vs Components (DI, SI). Total sum =  $1.03 \times 10^9$ .

- The EPC for Base model is Rs.  $2.18 \times 10^9$
- The domestic EPC which contributes to the total EPC of PV module is base model is Rs.  $1.03 \times 10^9$
- As the spot quantity is increasing the total EPC is also increasing.

**Rohit is presenting**

Participants: Rohit, Dr.Sh3 others

### Two types of Decisions

**Strategic Decisions**

They are required when it comes to changing the structure of the supply chain network or setting up a new network

**Tactical Decisions**

They relate to existing supply chain network and do not require changes in the structure of overall network

F12	Category	Value
Fast Moving	Biscuits	~10
Non-Moving	Biscuits	~5
Slow Moving	Biscuits	~5
FSN	Null	0
Fast Moving	Biscuits	~10
	Chocolates	~10
	Noodles	~10
	Tea	~10
	Waffers & Chips	~10
Non-Moving	Beverages	~10
	Biscuits	~5
	Chocolates	~5
	Noodles	~5
	Waffers & Chips	~5
Slow Moving	Beverages	~10
	Biscuits	~5
	Chocolates	~5

Dr.Shubhi is presenting

The session gave the students the ability to make understand the warehouse and accordingly predict the requirement of inventory.

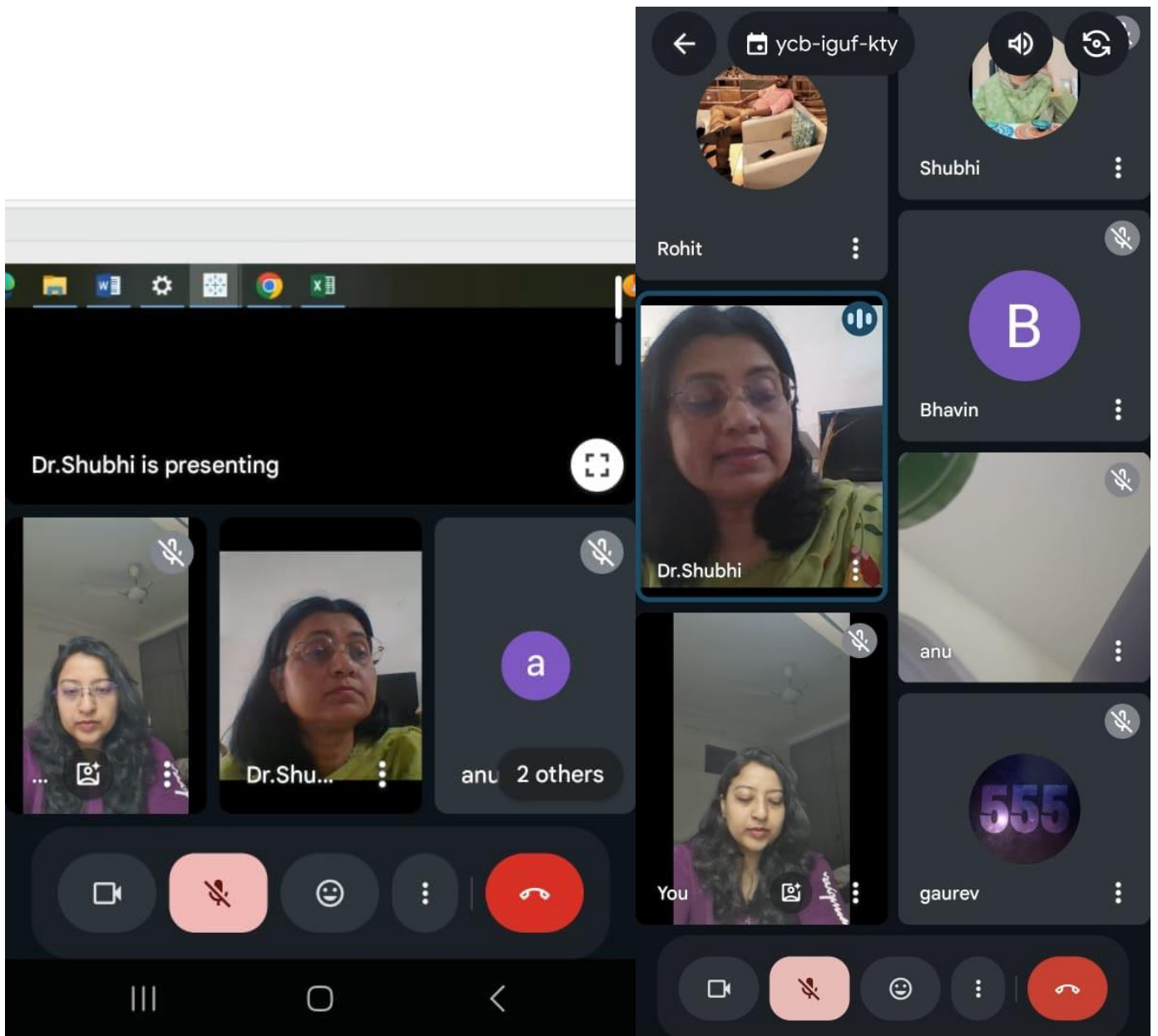
A case of research was discussed where the solar power batteries are purchased throughout the year and the inventory is maintained. Software link and database was provided to students to practice and get insights.

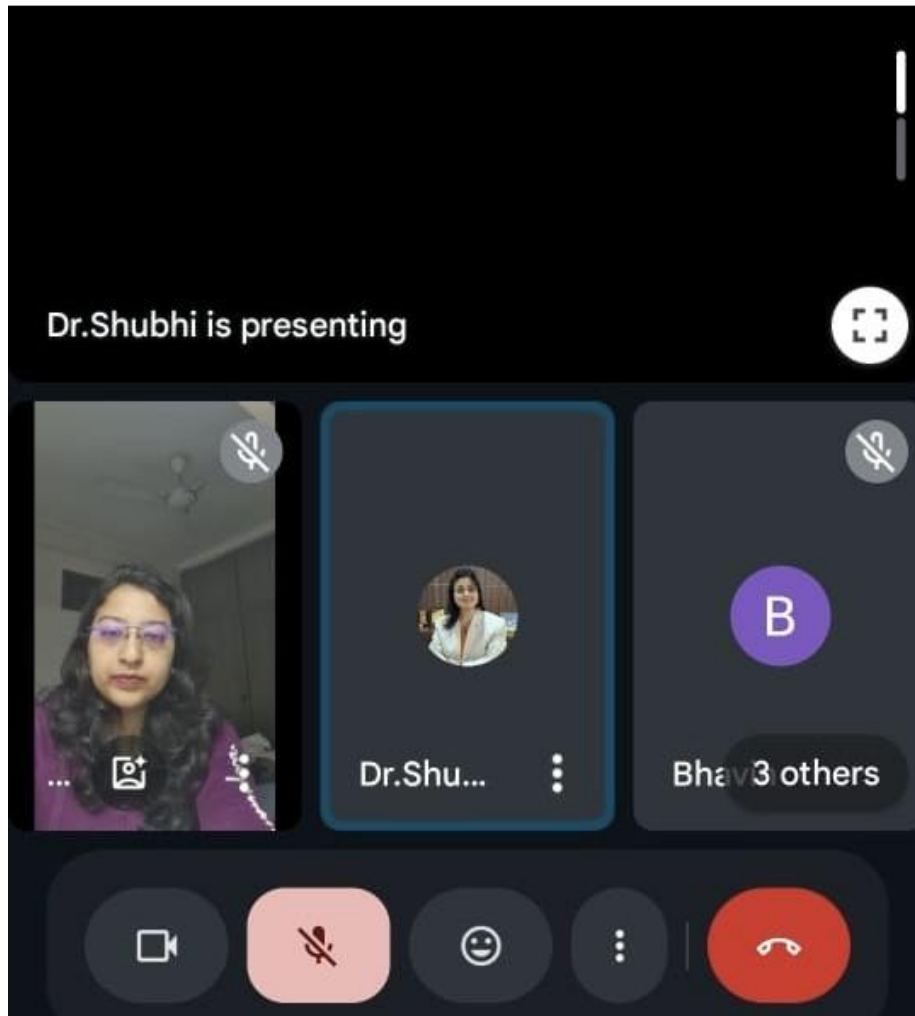
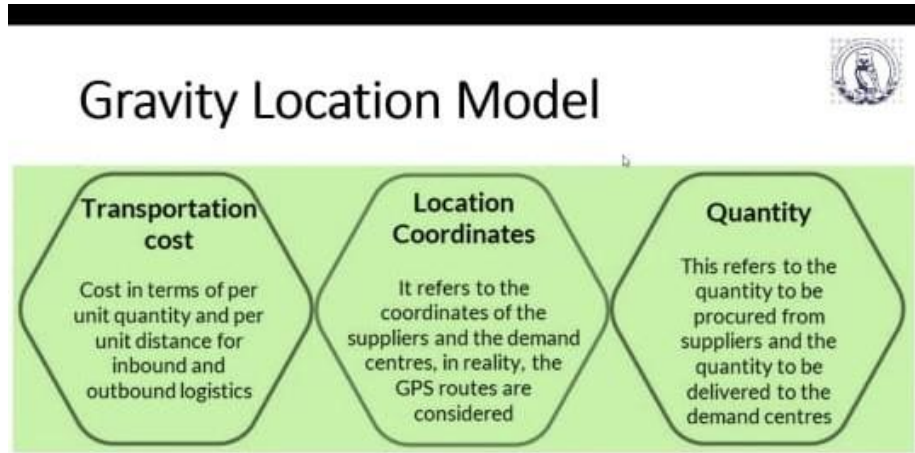
Excel spreadsheet showing a table with columns: Product, Quantity, Supplier, Unit Cost, Terms of Payment, Delivery Terms, Quality Compliance, Rank.

Product	Quantity	Supplier	Unit Cost	Terms of Payment	Delivery Terms	Quality Compliance	Rank
Television	20	A	37,000	90 Days Credit	Pick up from Distribution Centre	92%	5
Television	20	B	35,000	Advance Payment	Delivered to Warehouse	95%	2
Television	20	C	36,000	30 Days Credit	Delivered to Warehouse	96%	3
Television	20	D	36,500	30 Days Credit	Pick up from Distribution Centre	98%	4
Television	20	E	34,750	Advance Payment	Pick up from Distribution Centre	90%	1

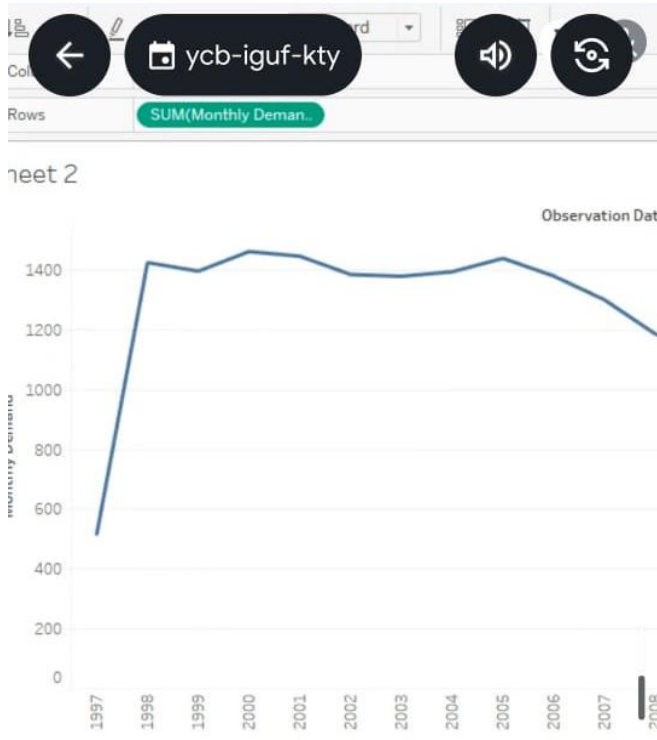
Dr.Shubhi is presenting

The image shows a Zoom meeting interface. At the top, it says "Dr.Shubhi is presenting". Below this, there are two video thumbnails. The left one is labeled "You" and shows a woman with glasses and long dark hair. The right one is labeled "Dr.Shubhi" and shows a woman with glasses and long dark hair wearing a green top. To the right of these thumbnails is a grey box with a purple circle containing the letter "a" and the text "and 2 others".





They were given live demonstration of the data too understand the usage of the software in finding the insights.



Dr.Shubhi is presenting

Dr.Shu... anu 2 others

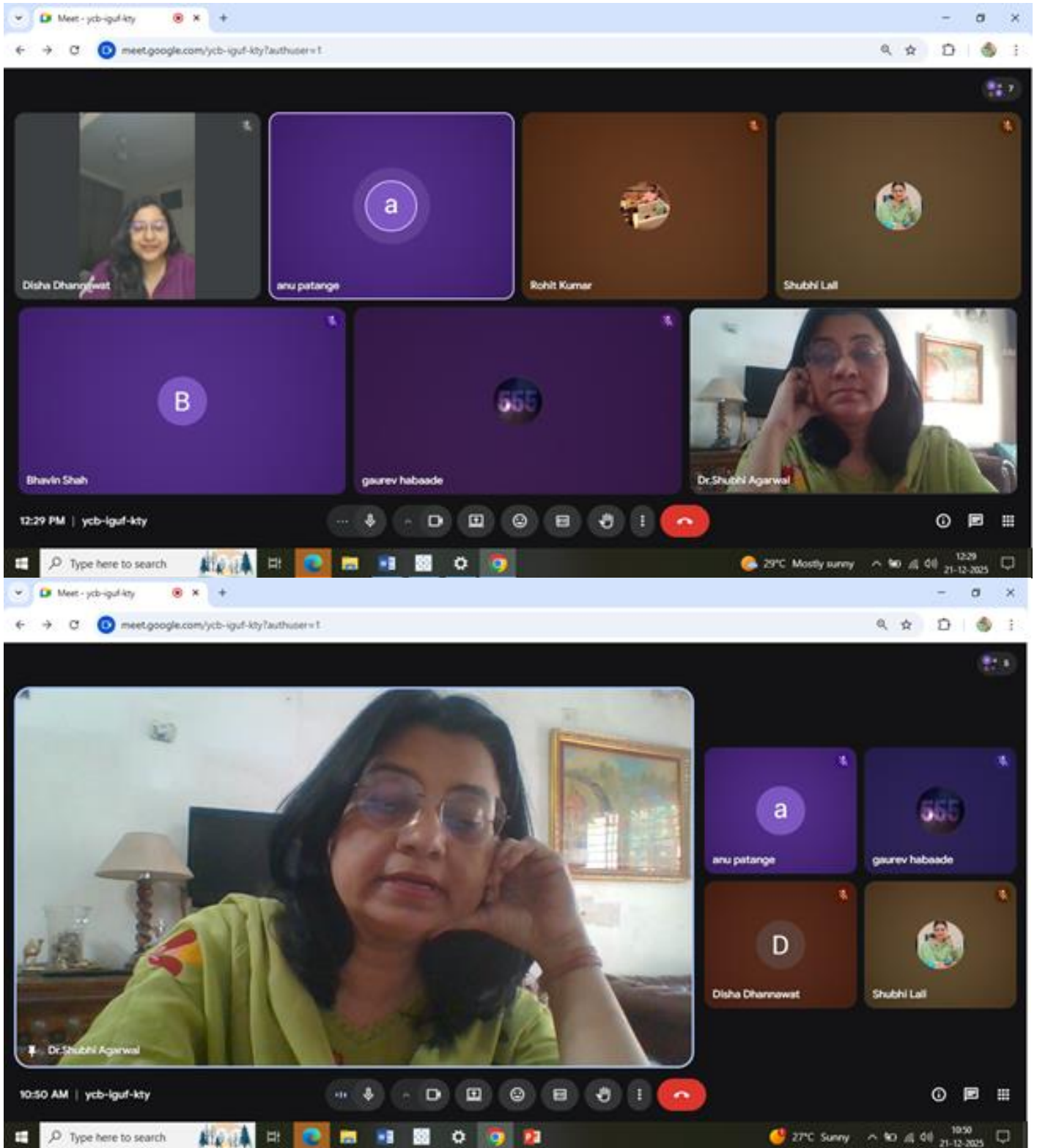
ycb-iguf-kty

anu

Shubhi

You Return to top





## DELIVERABLES & BENEFITS

- E-Certificate of participation
  - Study Material Kit for future reference purpose
  - Networking with Industry Experts and Academicians
  - In synchronization with the latest technology and know how
-

# SAMPLE CERTIFICATES



Report by-

Dr Shubhi Lall, Convener, MDP OJAS Edition 4