



Dayananda Sagar College of Arts, Science, and Commerce
Internal Quality Assurance Cell
Department of Computer Applications - 5-Day Virtual
Faculty Development Program

on
"Emerging Trends in IT Research:
Innovations & Future Directions"

Department : Department of Computer Applications

Date of Report: 21-04-2025 to 25-04-2025

Sl. No.	Particulars	Event related Details			
1.	Event*	Faculty Development Program			
2.	Title of the Event	"Emerging Trends in IT Research: Innovations & Future Directions"			
3.	Date of Conduction	21-4-2025 to 25-04-2025	4.	Time :	5.30 PM to 8.30 PM
5.	Venue	Virtual mode : Google Meet – link - meet.google.com/yom-yjgu-rdh			
6.	Resource Person Details	Day 1: Dr. Ajith Padyana, Program Head (Special Officer), VTU - VRIF & TCoE. Day 2: Dr. Ravinder Singh Kuntal, Associate Professor, NITTE Meenakshi Institute of Technology Day 3: Mr. Hemanth Yamijala, Product Manager, Soroco Day 4: Dr. R. Eeswari, Associate Professor, NIT, Tiruchirpalli Day 5: Dr. Swapnil Soni, Consultant Expert, Societe Generale.			
7.	Topics Covered	Day 1 : "Future of Computing – A Comparative analysis of traditional, super and Quantum computing". Day 2 : "Artificial Intelligence & Machine Learning for Mathematical Learning" Day 3 : "Beyond Chat – Real World Enterprise Applications with ChatGpt and LLMs" Day 4 : "Computational Intelligence" Day 5 : "Tools and Techniques: Towards Efficiency yet Novel Research".			
8.	Resource Person 2 Details	NA			
9.	Topics Covered	NA			
10.	No. Faculty Participants	Internal:	66	External:	33
11.	No. Student Participants	Internal:	NIL	External:	NIL
12.	Faculty Coordinator/s	Name: Prof. Dr. Kumudavalli Designation : Professor & Deputy Director, Department: Department of Computer Applications, DSCASC. Name: Dr. Aruna Devi.C Designation : Associate Professor & HOD-BCA Department: Department of Computer Applications, DSCASC. Name: Prof. Srivatsala Designation : Assistant Professor Department: Department of Computer Applications, DSCASC. Name: Prof. Kohila Kanagalakshmi Designation: Assistant Professor, Department: Department of Computer Applications, DSCASC. Name: Prof. Ranjini K S Designation: Assistant Professor, Department: Department of Computer Applications, DSCASC.			
13.	Student Coordinator/s	Name: Mr. Jashwanth Class & Section: III MCA 'A' RegNo: P03CJ23S126043			
14.	Total Expenditure	20,000/-	15	Sponsors and Amount (if any)	NA





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Department : BCA & MCA

Date of Report: 21-04-2025 to 25-04-2025

PHOTOGRAPHS:



Photo 1 : Welcome speech by Dr. Kumudavalli, Deputy Director

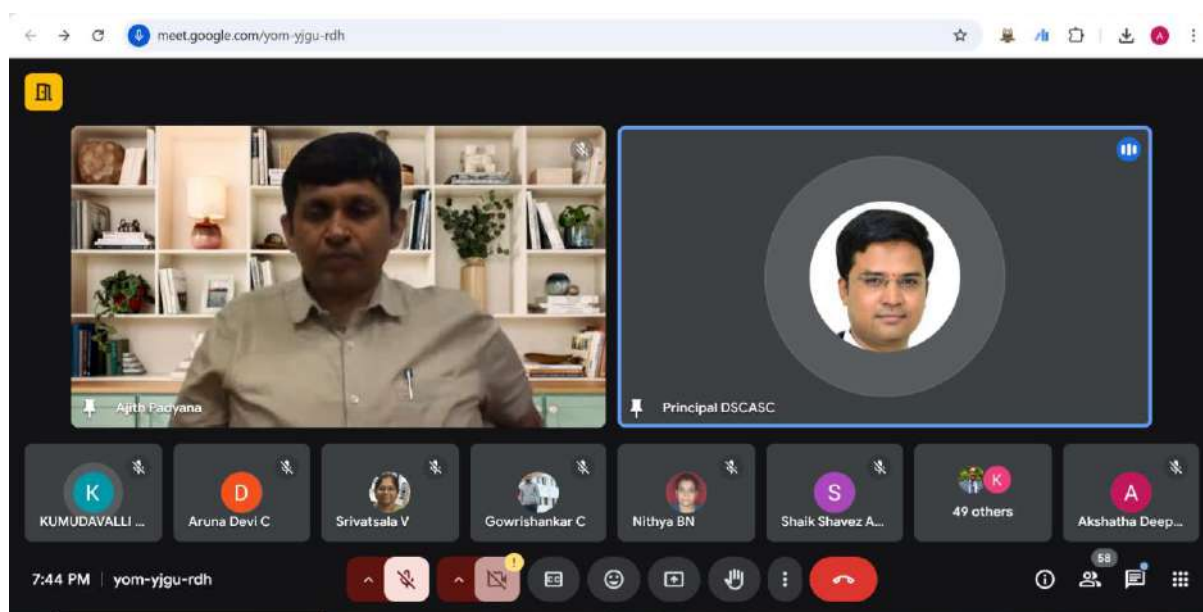


Photo 2: Inaugural Speech by Dr. Balu, Principal, DSCASC

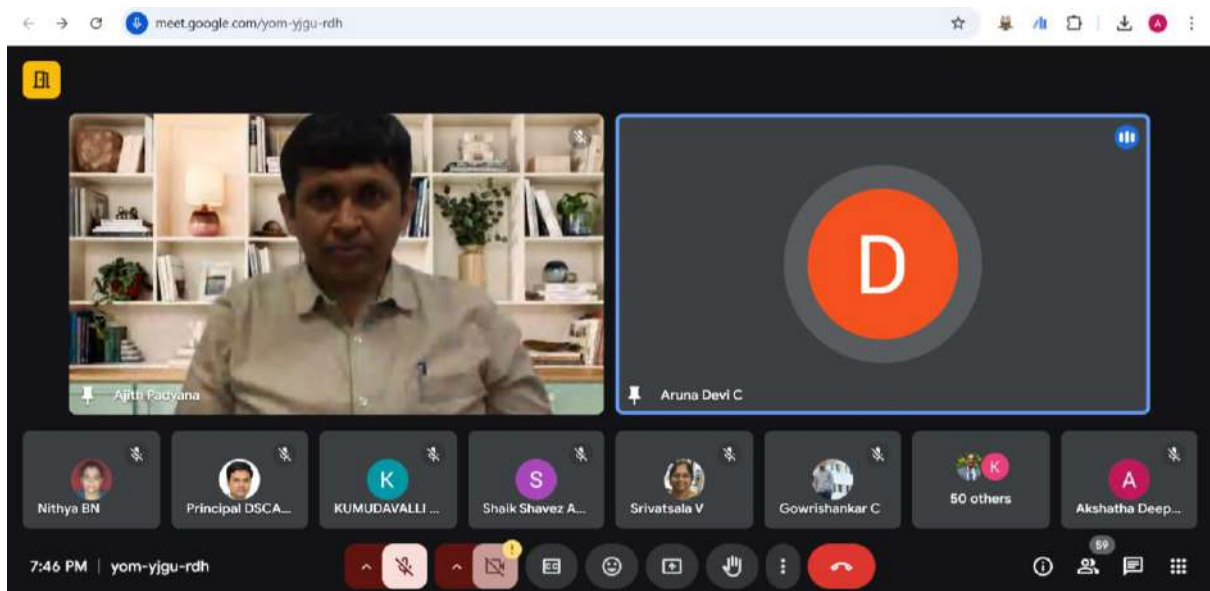


Photo 3 : Speaker Introduction by Dr. Aruna Devi, HOD – BCA



Photo 4 : Dr. Ajith Padyana is explaining about Quantum Computing

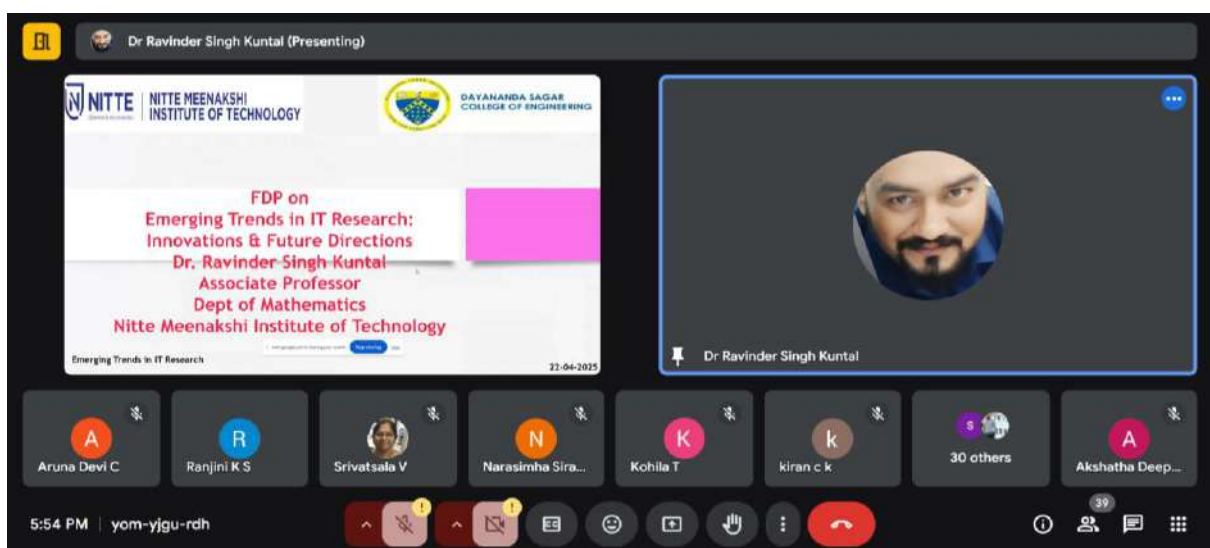


Photo 5 : Dr. Dr. Ravinder Singh Kuntal is explaining about Emerging Trends

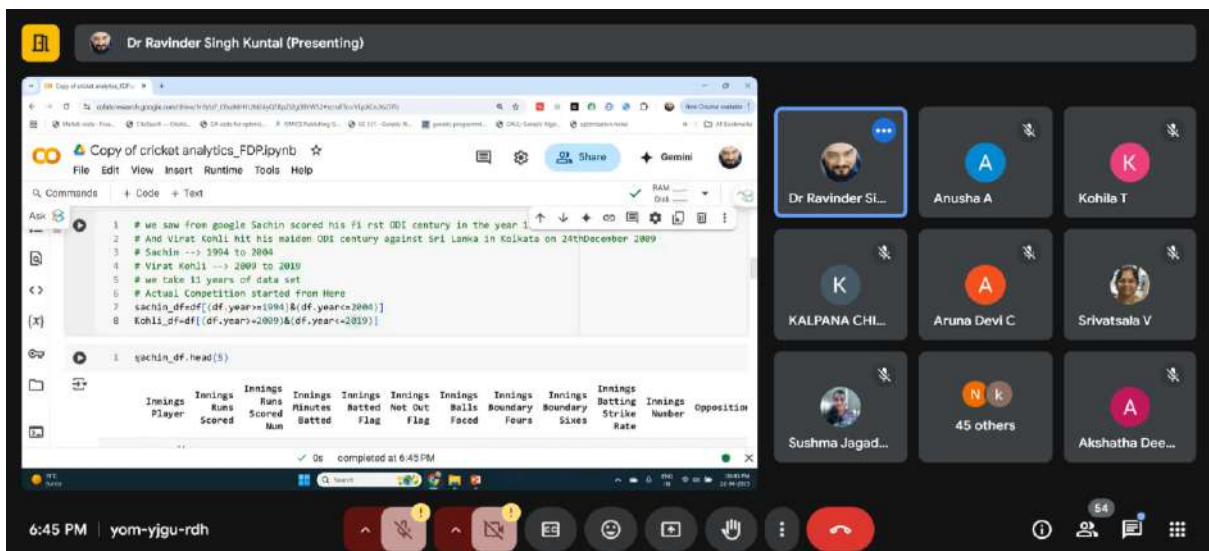


Photo 6 : Hands-on session on Machine Learning by Dr. Dr. Ravinder Singh Kuntal

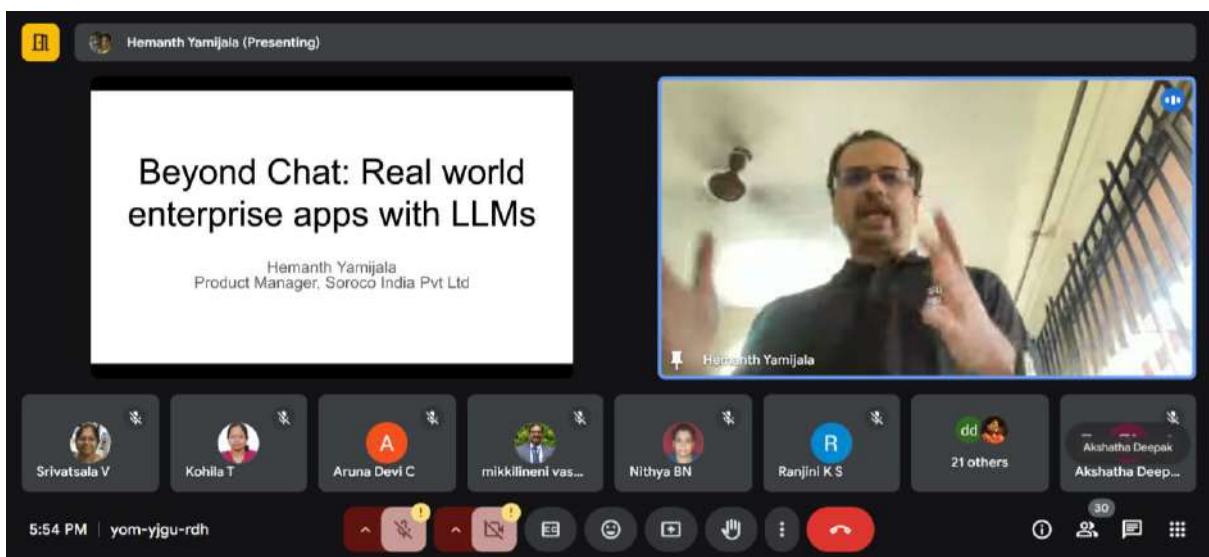


Photo 7 : Mr. Hemanth Y is explaining about ChatGpt and LLM

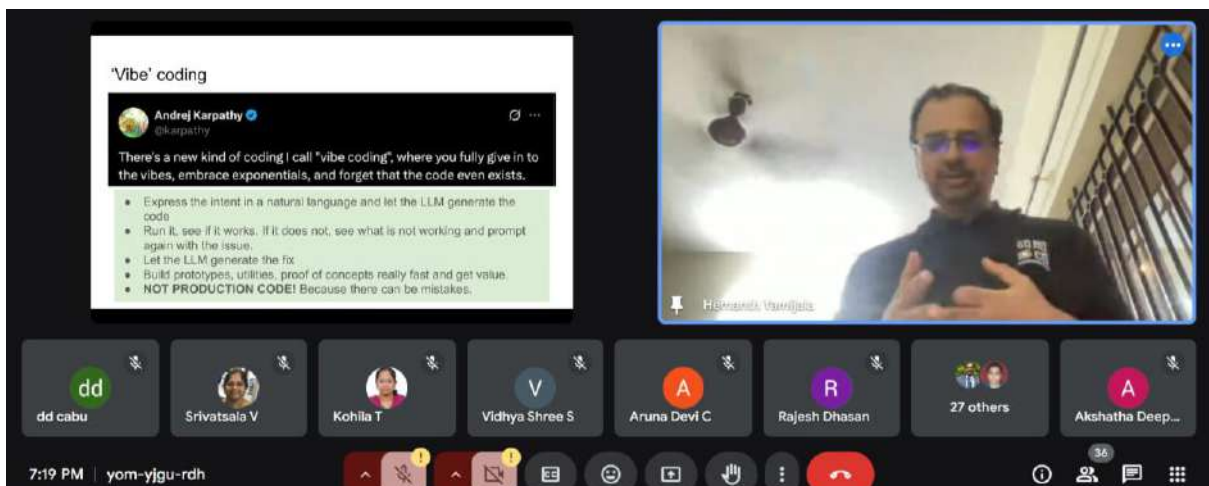


Photo 8 : Mr. Hemanth Y is explaining about Vibe coding

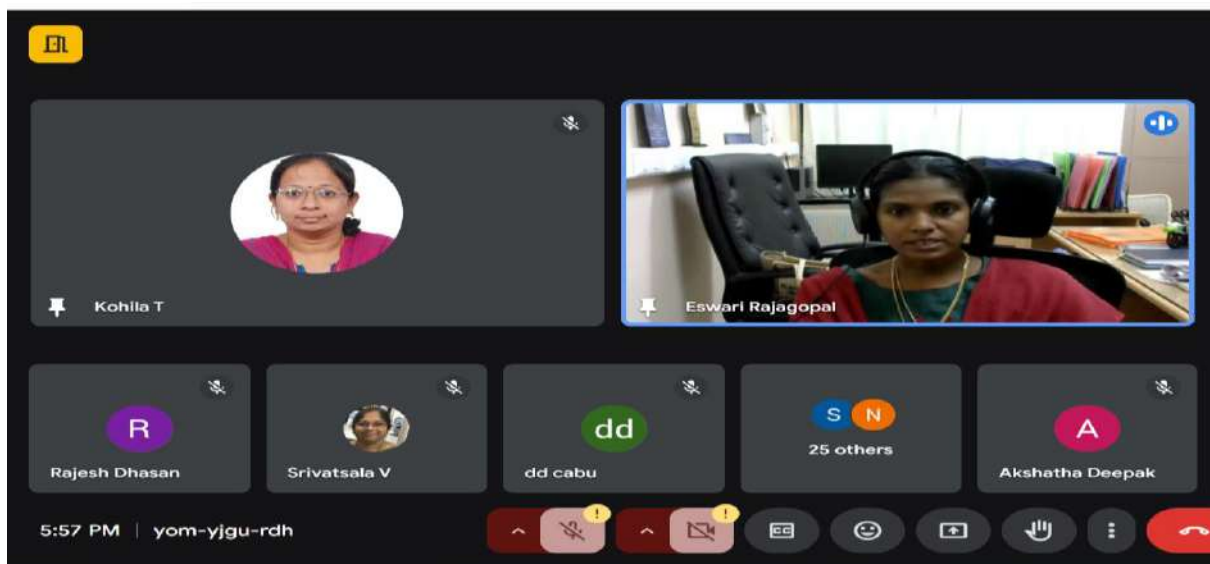


Photo 9 : Dr. R Eswari is explaining about Computational Intelligence

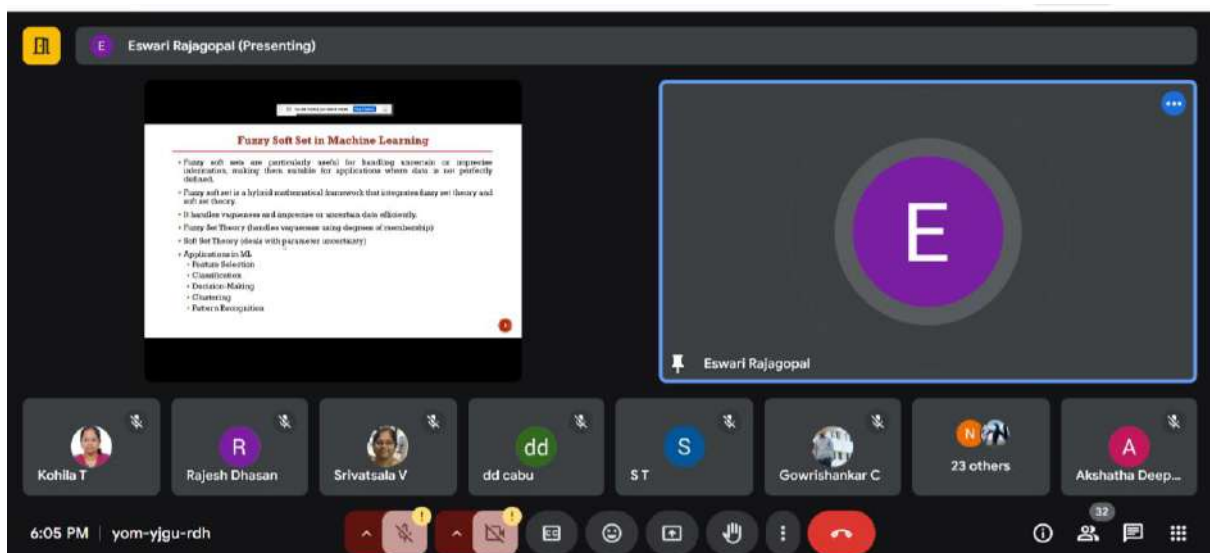


Photo 10 : Dr. R Eswari is explaining about Fuzzy set



Photo 11 : Dr. Swapnil Soni is explaining Tools and Techniques for Novel Research

Research Topic

- The Research Topic Selection is the basis of the entire research work, hence important.
- There is **no** such thing as a **good** topic and a **bad** topic.
- It is judged purely based on the availability of previous research data, accessibility to the source & scope of the research work.

Flowchart steps:

- Review Literature & discuss with experts
- Identify the research gap (what is missing)
- Propose a RQ/LL approach to address the research gap
- Consider the potential to contribute to the field and to society

The Research Topic must be an intersection of: GRIP

External factors: Guide's agreement, Resource Availability

Internal factors: Interest you have, Potential you have

Venn diagram labels: Interest, Potential, Guide's agreement

Footer: Tools & Techniques - Towards Efficient yet Novel Research | 9

Meeting controls at the bottom show the time as 6:29 PM and the ID yom-yjgu-rdh.

Photo 12 : Dr. Swapnil Soni is explaining GRIP

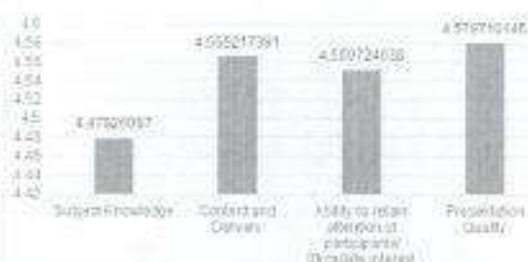
Meeting controls at the bottom show the time as 8:07 PM and the ID Faculty Development Progra....

Photo 13 : Group Photo with Participants

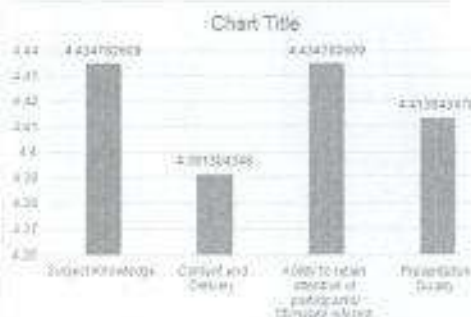
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Feedback Analysis

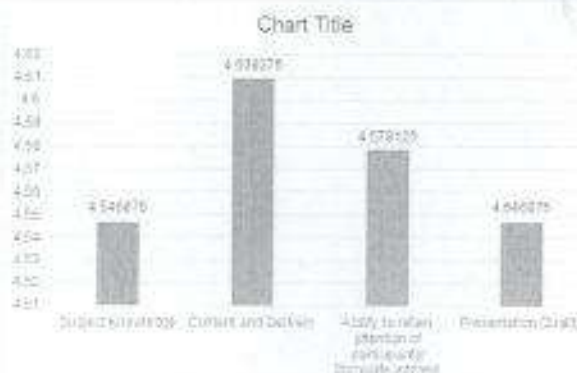
Day 1 21-4-25	Subject Knowledge 4.47826087	Content and Delivery 4.555217391	Ability to retain attention of participants/ Stimulate interest 4.550724038	Presentation Quality 4.579710145
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DAY 2 22-4-2025	Subject Knowledge 4.434762609	Content and Delivery 4.381344598	Ability to retain attention of participants/ Stimulate interest 4.434762609	Presentation Quality 4.413843678
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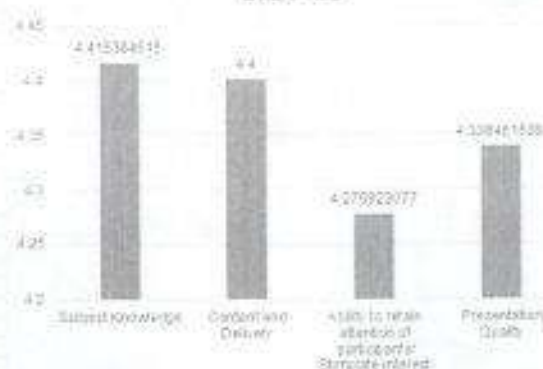


DAY 3 23-4-2025	Subject Knowledge 4.546675	Content and Delivery 4.609375	Ability to retain attention of participants/ Stimulate interest 4.578125	Presentation Quality 4.546675
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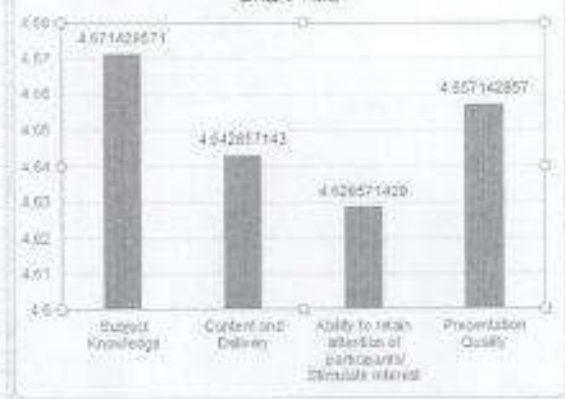
Day 4	Subject Knowledge	Content and Delivery	Ability to retain attention of participants/ Stimulate interest	Presentation Quality
24-4-2025	4.415364515	4.4	4.279923077	4.336461538

Chart Title



Day 5	Subject Knowledge	Content and Delivery	Ability to retain attention of participants/ Stimulate interest	Presentation Quality
25-4-2025	4.671428571	4.642857143	4.626571429	4.657142857

Chart Title





DAYANANDA SAGAR COLLEGE OF ARTS, SCIENCE AND COMMERCE

Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru - 560 111

Department of Computer Applications CERTIFICATE

This is to Certify that Dr. Deepika Sharma
of **DAYANANDA SAGAR COLLEGE OF ARTS SCIENCE AND COMMERCE**
has successfully participated in 5 - Day Faculty Development Program on
“Emerging Trends in IT Research: Innovations & Future Directions”
conducted from 21st to 25th April 2025

Organizing Committee
HOD - BCA

Organizing Committee
Deputy Director

Principal