

## ICS DG-23

### A Report On the Symposium on Synergy of Technology in Education SDG-4 Quality Education Report



FACULTY OF SCIENCE AND HUMANITIES  
SRM Institute of Science & Technology, Kattankulathur

## SUSTAINABLE DEVELOPMENT GOALS '23



### SYMPOSIUM ON SYNERGY OF TECHNOLOGY IN EDUCATION 01 & 03 November 2023

4 QUALITY  
EDUCATION



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## **Preface**

Sustainable Development Goal 4 (SDG 4) is dedicated to ensuring inclusive and equitable quality education and promoting lifelong learning opportunities for all. The aim of SDG 4 is to address various educational challenges worldwide and provide a framework for improving education systems, access, and outcomes.

Here is a report on the progress, commitment, and initiatives related to SDG 4 taken by the Faculty of Science and Humanities.

## **Objectives**

The Objectives of the Symposium was to:

- ➔ **Showcase how technology can enhance learning experiences**
- ➔ **Incorporate Sustainable practices in Technology use**
- ➔ **Infusing Gamification elements in Education**

## **Key Themes**

To envision these Objectives, the Symposium worked on 3 aspects

1. Key Note Speaker Session
2. Interdisciplinary Project Expo
3. Gamification Events for the Inter-School Students

## **Notable Speakers and Sessions**

[1] Dr.Zayaprakasasrassan, Head of Medical Education department, JIPMER, Puducheri on the Topic “FOSTERING HOTS”

[2] Dr.Moussa Mahamat Boukar, Professor of Computer Science, Nile University of Nigeria, on the Topic “TECHNOLOGY IN QUALITY EDUCATION”

[3] Mr.Jothi Periasamy, Founder-DeepSphere.ai, Board Member, University of California, Researcher for Explainable AI, IBM Watson on the Topic “GENERATIVE AI”

## Introduction

The International Conference on Quality Education, aligned with Sustainable Development Goal 4 (SDG-4), was convened from Nov 1, 2023 to Nov 3, 2023. The conference served as a platform for educators, policymakers, and stakeholders to discuss challenges, share best practices, and explore innovative solutions in the pursuit of ensuring inclusive and equitable quality education for all.

## SDG-4 Inaugural Ceremony

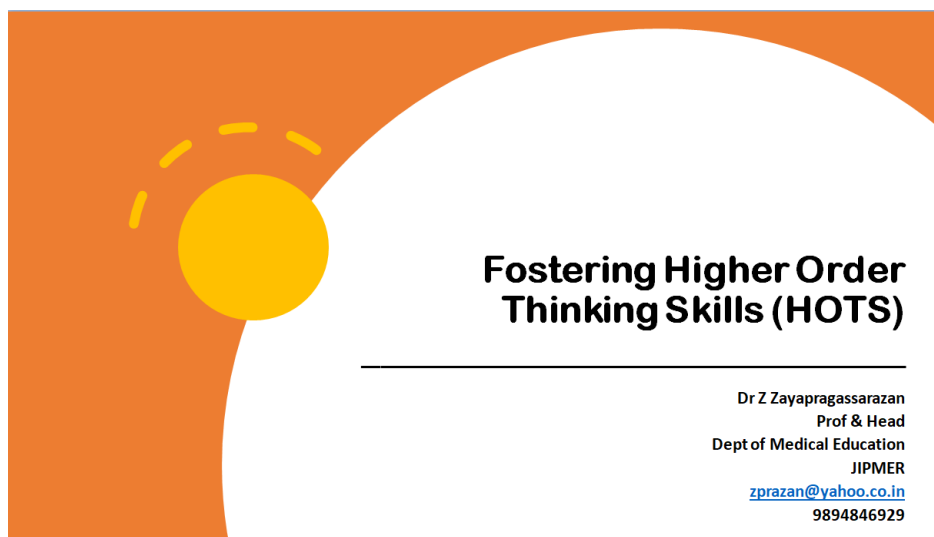
**The SDG-4 Inaugural started at 11:00am in Mini Hall-1 with the august presence of Dr. Dr.Zayaprakasasrassan, Dean and Deputy Dean of the Faculty of Science and Humanities. The session on “Fostering HOTS” followed the brief inaugural ceremony.**



*Inaugural Ceremony-Welcoming the Guest with Bouquet*

## Keynote Speaker Sessions

### DAY-1 Nov 1, 2023 – Forenoon Session



#### Session 1 on HOTS at Mini Hall-1

On Nov 1, 2023 at MiniHall-1, Dr.T.P.Ganesan Auditorium, a mind blowing half a day ForeNoon Session packed with activity based workshop was conducted by the Resource Person Dr.Zayaprakasarrasan, Head, Medical Education JIPMER for both faculties and students. The workshop was based on the theme “Fostering HOTS” to enhance Quality Education. Attended by around 25 faculties and 300+ PG students and 35 B.Ed Students of the FSH was a remarkable event. Activities like Think, Pair and Share made the audience engaged and staying tuned to the rhythm of the Speaker.

Impactful and Thought Provoking Learning of the session includes,

- LOTS Vs HOTS
- Cone of Learning Experiences
- Passive and Active Learning
- Blooms Taxonomy of CAP
- Framework for Competence Based education
- Psychomotor Learning

- Scenario Based Teaching & Learning
- Simulation based Teaching & Learning
- Peer Assisted Learning
- TPACK – Technological Pedagogical Content Knowledge




*Interaction with the Speaker for the activity “Think Pair and Share”*

#### **DAY-1 Nov 1, 2023 – AfterNoon Session**

On the same day, an Online Session 2 was on “Technology in Quality Education” delivered by Dr.Moussa Mahamat Boukar, Dean, Faculty of Computing and Professor of the Department of CS, Nile University of Nigeria. The session was attended by around 150+ students and faculty members of the Faculty of Science and Humanities.





**SYMPOSIUM ON  
SYNERGY OF TECHNOLOGY IN EDUCATION  
01 & 03 November 2023**



**NILE  
UNIVERSITY  
OF NIGERIA**  
HONORARY UNITED UNIVERSITIES

## The Role of digital Technologies in Education


### Keynote Speaker

By Prof. Moussa .M.Boukar,  
Dean, Faculty of Computing

*Snapshots of the Online Session by Dr.Mousa M. Boukar*

### Types of 21st century reimagined educational models

1. Project-based learning
2. Blended learning
3. Flipped classroom
4. Competency-based learning
5. Outdoor learning
6. Personalized learning
7. Engaging learning
8. Relevant learning



**REIMAGINING  
THE HIGHER  
EDUCATION ECOSYSTEM**



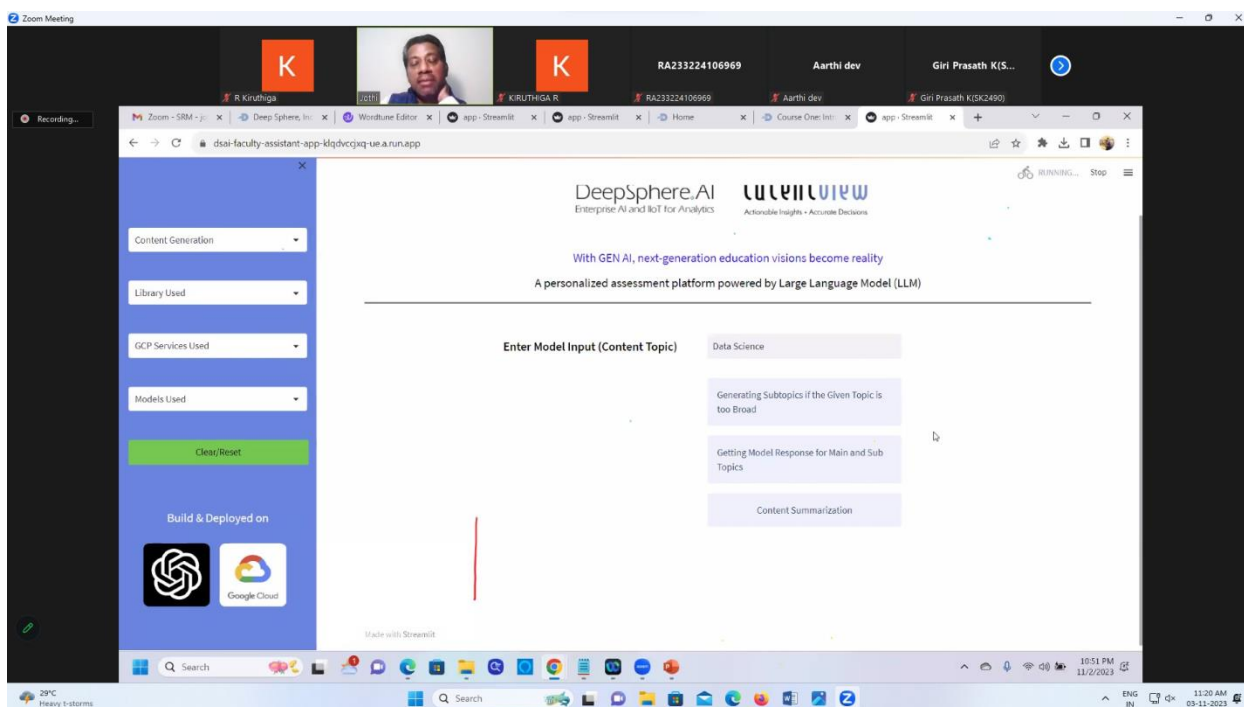
00:09:40 00:24:15

Impactful and Thought Provoking Learning of the session includes,

- Flipped Classrooms
- Project-Based Learning
- Competency-based Learning
- Blended Learning

## **DAY-2 Nov 3, 2023 – Forenoon Session**

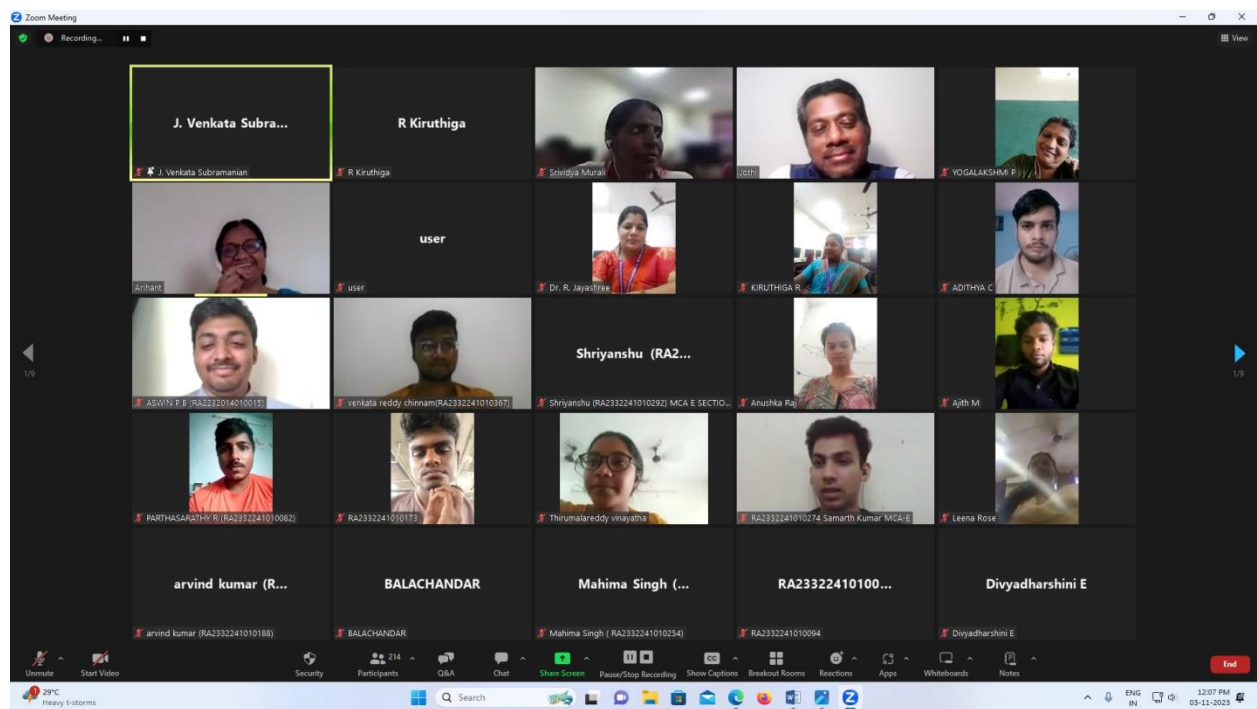
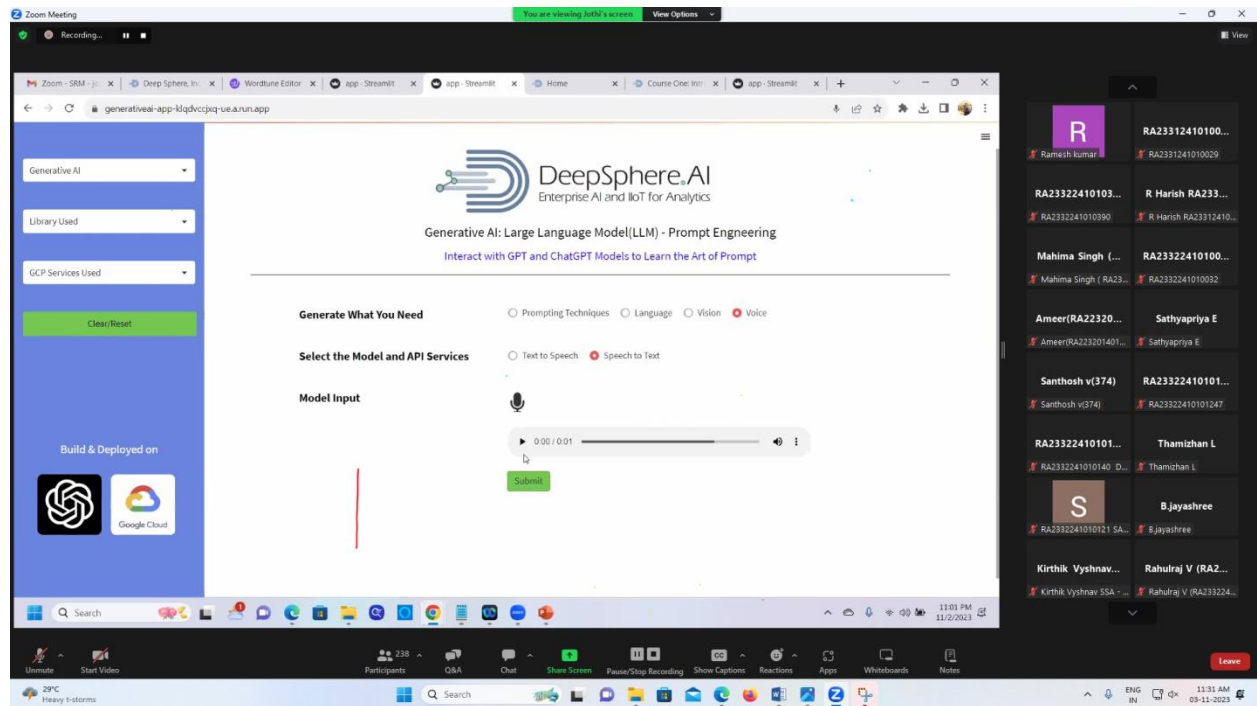
The third key note session was by Mr. Jothi Periasamy, Founder, Deepsphere.ai, & Board Member, University of California, AI Researcher , IBM Watson ,who discussed the Evolution of Generative AI – Past, Present and Future Trends. The session was a real attention grabber and helped around 300 + audience.



### ***Evolution of Generative AI- Founder-Deepsphere.ai***



2<sup>nd</sup> International Conference on Higher Education Institute Challenges Solutions for Sustainable Development Goals 2023 (ICSDG 2023)  
SDG4 : Quality Education - Symposium On Synergy of Technology in Education



Audience on a Happy Note and Interaction with the Speaker

The screenshot shows a Zoom meeting window. The main content is a presentation slide titled "Large language model (LLM)". The slide compares "Traditional Natural Language Processing (NLP)" with "Current Natural Language Processing (NLP)".

Traditional Natural Language Processing (NLP)	Current Natural Language Processing (NLP)
1. Classifying words (for example, checking for profanity)	1. Analyzing a doctor-patient conversation (ex: medical transcript)
2. Prediction of the next word or the previous word	2. Generating learning content (e.g., assessments, quizzes, assignments)
3. Identifying customer sentiment by analyzing individual words	3. Classification of content (not just text, instead a paragraph or a book)
	4. Work order analysis for energy technicians - planning and forecasting

The Zoom interface shows a grid of participants on the right, including Srividya Murali, R Kiruthiga, YOGALAKSHMI P, KIRUTHIGA R, JACK, RA23322410102..., and TAMILARASI T. The bottom of the screen shows the Windows taskbar with the time 11:41 AM on 09-11-2023.

### BUZZ of the Day – LLM's

Impactful and Thought Provoking Learning of the session includes,

- ➔ From Predictive AI to Generative AI
- ➔ Leveraging LLM's for Educational Purpose

### SDG-4 Commitment Wall

SDG -4 Commitment Wall was set up digitally to spread awareness with hashtag #SDG-4 for wide spread publicity on Sustainability & Quality Education

We present the Commitment taken by the students and faculty members of FSH.

<https://padlet.com/ramlam/icsdg23-sustainable-development-goal-4-quality-education-3z0ddz0o9vvse0ms>

Padlet

RAMLA M + 27 • 9d

## ICS DG23: Sustainable Development Goal-4 : Quality Education

SDG-4 Commitment Wall #SDG4CommitmentWall

**Mrs.M.Ramla, Assistant Prof/CA, SRM IST**

I commit to give each and every one of my students an inclusive, high-quality education.

21

Add comment

**Asvin 3rd BCA DS**

I will make commitment to lifelong learning and self improvement setting an example for others.

1

Add comment

**Dr.S.Lakshmi,Asst.Professor,SRMIST**

I pledge to spur upon my students to acquire their skills to thrive in their jobs as well as to contribute back to the society .

3

Add comment

**Niharika Setia, III BCA DS, SRM KTR**

I commit to promoting progressive learning and contributing to my environment through quality education and assisting others in learning new skills and values.

3

Add comment

**Shivadarshini S,**

Quality education encompass improved knowledge, critical thinking, and problem-solving skills. They lead to enhanced opportunities, reduced inequalities, and societal development. These outcomes are crucial for individual prosperity and a thriving society. #SDG 🌟

4

Add comment

**D Janani-BCA-Data Science 2nd year**

As a student, I commit to promoting lifelong learning and fostering a love for education among individuals of all ages. I will actively support initiatives that enhance educational opportunities, bridge the learning gap, and empower communities through knowledge. Let's work together to ensure quality education for a brighter and more equitable future!

2

Add comment

**Giri Prasath k,**

As a tech student, I would like to screw up the awareness on the harmful hazards of over usage and misuse of technology and save human life and mother earth

3

Add comment

**D.Sunantha-2nd BCA-Data Science**

"As a student, I will share my knowledge and available resources to help others gain knowledge. Education is a powerful tool for empowerment and sustainable development. Let's work together to make a positive impact on education! 🌍"

2

Add comment

**Vishal M.sc IT Clubs inferno Department of Computer Science**

It's right thing At right time it's boosting the Students learning Interest

1

Add comment

**Abin J - III BCA DS**

I will share my knowledge, skills, and resources with others to help them access quality education.

4

Add comment

**Dr.J.Anita Smiles**  
Assistant Professor,Dept.of CA

I commit myself to nurture every individual's personal values and help each one of them to grasp and master their interests .

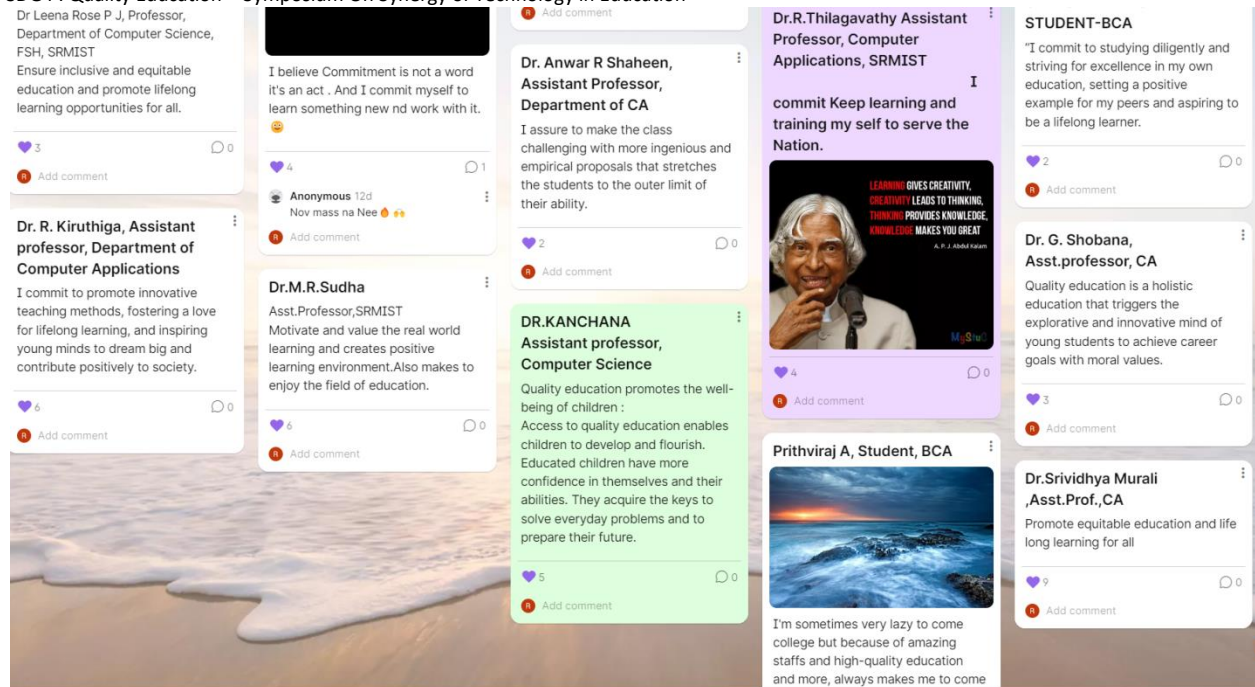
1

Add comment

**Venkataraman P - II BCA Data Science**

As a student of BCA-Data Science, I commit to promoting digital literacy, volunteering for educational initiatives, advocating for inclusive education, supporting open educational resources, reducing my environmental

Learning in life is the



Snapshot of the SDG-4 Commitment Wall

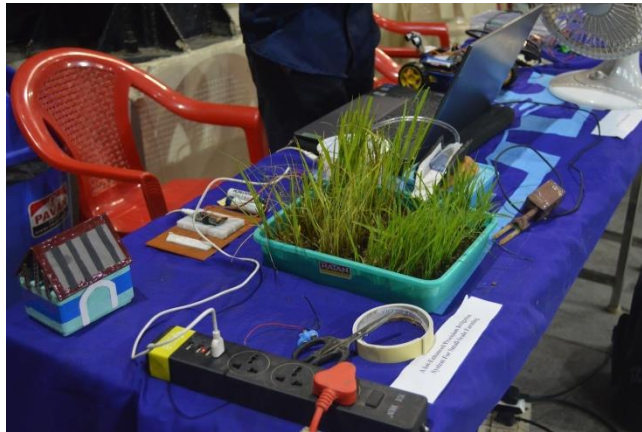
## Mega Project Expo

We also conducted a mega project expo that invited Interdepartmental Projects from different disciplines. An array of around

- 15 IoT Minimum Viable Prototype Projects
- 5 Garments Design projects from FD
- 5 Photography projects from JMC
- 5 miniature projects from Visual Communication

Were displayed for students to walk around and learn. The Projects were displayed at Major Dhyan Chand , Indoor Stadium,







*Glimpse of the Projects displayed in the indoor stadium*

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## **Inter-School Students Competition**

We also went extra miles to invite School students for an Inter-School Competition. Infusing Gamification in Education was the theme. Events like Buzzer Bottle, Beyond the Charts, Talk Tango, Lyrical Showdown, Curtain Chronical and Ethnic Euphoria was conducted in the grand indoor stadium in a dynamic and memorable way. Around 300 participants from 6 schools participated.



2<sup>nd</sup> International Conference on Higher Education Institute Challenges Solutions for Sustainable Development Goals 2023 (ICSDG 2023)  
SDG4 : Quality Education - Symposium On Synergy of Technology in Education





*The Grand Valedictory of SDG-4 at Major Dyan Chand Indoor Stadium*



## **Closing Thoughts**

The Grand gala of 2 days event conducted by the Department of Computer Applications and the Department of Computer Science, FSH for SDG-4 concluded leaving behind lot of memories, learning and opportunities to enhance.

To achieve SDG 4 by 2030, it will require sustained efforts, investments, and global collaboration.

***“Quality Education is the need of the Hour  
Let’s strive for it with all Our Vigor.”***