



LOYOLA COLLEGE OF EDUCATION

Accredited (3rd Cycle) at 'A' Grade by NAAC
Recognized by NCTE & Affiliated to TNTEU
Nungambakkam, Chennai, Tamil Nadu, India - 600 034

2024 - 2025

FACULTY DEVELOPMENT PROGRAMME REPORT

30, JUNE 2025 TO 03 JULY 2025

Name of the Teacher Educator: Dr. C. Beulah Jayarani

Department: Biological Science Education

Signature of the Staff

Signature of the Principal

FACULTY DEVELOPMENT PROGRAMME:

30, JUNE 2025 TO 03 JULY 2025

Attended four days **Faculty Development Programme** with Biological Science students on “Accessible STEM Education in Schools: Lessons from Grassroots,” jointly organized by the Accessibility Research Centre and the Teaching Learning Centre, IIT Madras from 30, June 2025 to 03 July 2025.



9:41



8.88 KB/s



69



Registration

We request you to register for the FDP by 27.06.2025
Please visit our website to register, and get more information.

Link: <https://forms.gle/8yPcjxghaXCrydw5>

Who can Register:
Science and Maths School Teachers
from Inclusive Schools and Mainstream Schools



Contact us

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TEACHING
LEARNING
CENTRE

THE ACCESSIBILITY RESEARCH CENTRE, IIT MADRAS
&
TEACHING LEARNING CENTRE, IIT MADRAS

Faculty Development Programme
**ACCESSIBLE STEM EDUCATION IN SCHOOLS:
LESSONS FROM GRASSROOTS**

📅 30 June 2025 - 03 July 2025

📍 Venue: Classroom Complex (CRC),
Room 102, Ground Floor, IIT Madras



About the ARC

The Accessibility Research Centre (ARC) at IIT Madras is a leading forum for conversations concerning universal accessibility with all its global variations. It focuses on improving accessibility and inclusivity in education through innovation and technology. The ARC was established with the mission to reform learning environments, both in Schools and universities, by developing solutions that go beyond individually oriented assistive technology solutions. While tools like screen readers can be helpful, they do not address the systemic nature of disability exclusion. The ARC envisions a future where accessibility is deeply integrated into the core of every academic life.

About the TLC

The Teaching Learning Centre (TLC), at IIT Madras, which was established in 2011, emerged from the realization that conscious and continuous efforts are needed for improving the teaching learning activities in higher education institutes in order to enhance the efficiency and effectiveness of course based education for new generation learners. TLC conducts faculty development workshops through active learning strategies and assists faculty members to develop suitable pedagogy/andragogy in their respective disciplines. More information about the centre is available at <https://tli.iitm.ac.in/>

About the FDP

Numerous grassroots initiatives are in place so as to render STEM education accessible for learners with disabilities in Schools. However, there is a pressing need to consolidate this knowledge. Such a move may prevent teachers and learners alike from reinventing the wheel. Insights from teachers, NGOs, and assistive technology experts must be brought together to drive academic activism in STEM accessibility. This time, we do this from the point of view of visually impaired learners. We hope to work on learners with other conditions as we continue our engagements with School learning. The big idea is that we all strive so as to alter popular imagination concerning contributions of disabled learners to STEM education.

The proposed Faculty Development Programme (FDP) may explore:

1. Archive key learnings from grassroots initiatives concerning accessible STEM education at School level
2. Gather in one place narratives concerning methods, approaches, and community entrepreneurship that shape such initiatives.
3. Discuss possibilities of preparing a digital compendium of best practices concerning STEM education in Schools.
4. Begin to ask what universities and colleges can learn from above grassroots accessible STEM education initiatives.

As you know already, accessibility work is a fine art amenable to trials and errors of everyday living. Naturally, during our FDP, we can possibly explore how insights from disciplines allied to art and culture can be transplanted to accessible STEM education. Such an approach, we hope may enrich accessible STEM learning across Schools.

Key Resource Persons

Mr. Kartik Sawhney
Co-Founder, I-STEM, United States

Dr. Holger Wiedler

Dr. Alex Hadwen-Bennett
Senior Lecturer in Inclusion and STEM Education, King's College London, United Kingdom (Online Session)

Panelists

Prof. P.V. Madhusudhan Rao
Professor, Department of Design and Mechanical Engineering
IIT Delhi

Prof. A. ...
Professor, ...
Convener, Centre for Accessibility in the Global South



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Annotate

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All

Time	Name of the Resource Person	Designation & Affiliation	Topic
	Day 1 - 30/06/2025		
8:45 AM - 9:30 AM	Registration of Participants	N/A	N/A
9:30 AM -10:30 AM	Inauguration of FDP	N/A	N/A
10:30 AM - 11:00 AM	Cultural Programme by Jyoti Kalaiselvi	N/A	N/A
11:00 AM - 11:30 AM	Tea & Snacks Break		
11:30 AM-1:00 PM	Mr.Kartik Sawhney	Co-Founder, I-STEM, United States	STEM and Higher Education
1:00 PM - 2:30 PM	Lunch Break		
2:30 PM - 4:00 PM	Hritika Bhowmick & Sarbani Bannerjee Belur; Mr. R Parameswaran	Graduate Teaching Assistant, BITS Pilani, Hyderabad	Lab technology for accessible STEM education
4:00 PM -4:30 PM	Tea & Snacks Break		
	Day 2 - 01/07/2025		
09:00 AM- 10:30 AM	Dr Piyush Chanana	Mentor - Raised Lines Foundation (RLF)	Accessible STEM Pedagogy
10:30 AM - 11:00 AM	Tea & Snacks Break		

