

**Activity Report: Academic Year 2023- 24**

Activity Name: COMMUNITY EXTENSION PROGRAMME "ONE DAY LED WORKSHOP FOR WOMEN CDS UNIT IN VALLICODE PANCHAYATH IN ASSOCIATION WITH IGNOU(SOUTH ZONE)

Department /Committee / Club : Physics			
Name of the Co-Ordinator	Venue	Day & Date	Time
Dr Soosen Samuel M	Vallicodu Panchayath	13/07/2023	9.30 am to 4.30 pm
Number of Participants 30 members	Nature: Outdoor/ Indoor/ Online Indoor	Type Of Activity: Academic/ Extension / Student Progression/ Student Support/ Environment/ Gender/ Days/ Enrichment/ Other (Specify): Community Extension Programme	
Scheduled/ Unscheduled	Funding Source: Self/ Sponsored /NGO /Industry/ Exchanges/Others. IGNOU		
Amount: 7000/-	Chief Guest: Panchayath President, IGNOU South Zone regional Director		

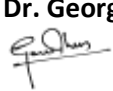
BRIEF INFORMATION ABOUT THE ACTIVITY

Topic/ Subject of the Activity	Work shop on "Assembling LED lamps and Tubes"
Objectives	Empowering women in Society and skill development.
Methodology	Hands on training
Outcomes	The LED bulb making workshop had a multifaceted positive impact on women participants by providing them with technical skills and empowerment.

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

Notice & Letters	List of Participants	Activity Report	Geo Tagged Photos	Feedback Form
Feedback Analysis	News Clip with details	Certificate	Any Other	

IQAC Document No: 03/PHY/2023-24	Criterion No:	NAAC Metric No:
Departmental File No: CCP-PHY-SSP-03	IQAC File No: CCP/IQAC/24	International/National/Regional Regional

Name of Teacher & Signature with Date	Name of Head/ Committee Incharge & Signature with Date	IQAC Coordinator (Seal & Signature)
Dr Soosen Samuel M	Dr. Dhanya I	Dr. George Thomas 



Indira Gandhi National Open University Regional Centre, Trivandrum



Unnat Bharat Abhiyan

Workshop on

“Manufacturing and Repair of LED Lamps”

In association with Vallicode Grama Panchayath and
Department of Physics, Catholicate College Pathanamthitta

Venue: Vallicode Panchayath Hall, Pathanamthitta

Date: 13th July 2023

PG & RESEARCH DEPARTMENT OF PHYSICS

COMMUNITY EXTENSION PROGRAMME

**WORKSHOP ON
MANUFACTURING AND REPAIR OF LED LAMPS**

*In association
with*

*Indira Gandhi National Open university ,Regional centre
and
Vallicode Grammapanchayath*

VENUE: VALLICODE PANCHAYATH HALL

**13 JULY
THURSDAY**

**TIME
9:30 AM**

**DR SENIL JACOB
PRINCIPAL**

**DR RENNY P VARGHESE
BURSAR**

**DR DHANYA I
HOD**

LED Workshop Organized by the Department of Physics in Association with Indira Gandhi National Open University (Southern Zone) for Women in Vallicode Panchayath

Date: July 13

Venue: Vallicode Panchayath, Pathanamthitta

Workshop Theme: Exploring LEDs and Sustainable Lighting Solutions
Introduction: The Department of Physics, in collaboration with IGNOU Southern Zone, organized a one-day LED workshop for women in Vallicode Panchayath on July 13. The workshop aimed to provide participants with valuable insights into light-emitting diodes (LEDs) and their applications, while also promoting the importance of community engagement through such educational initiatives.

Workshop Highlights: The workshop featured a comprehensive series of sessions, interactive discussions, and hands-on activities that emphasized the significance of LEDs in modern lighting solutions and energy conservation.

Energy conservation is a paramount concern in today's world, with dwindling natural resources and escalating environmental challenges. Embracing energy-efficient practices, such as promoting the widespread use of LED lamps, not only reduces electricity consumption but also significantly lowers greenhouse gas emissions. LED technology, renowned for its longevity and minimal energy consumption, has the potential to revolutionize lighting solutions, offering a sustainable alternative to traditional incandescent bulbs. By venturing into the entrepreneurial realm of LED manufacturing, individuals can not only contribute to global energy conservation but also tap into a burgeoning market that aligns with eco-conscious consumer preferences. Becoming an entrepreneur in LED manufacturing holds the dual promise of fostering environmental sustainability and fostering economic growth, creating a win-win scenario for both the planet and business aspirations.

Key Speakers:

1. Dr. Dhanya I - Head of the Physics Department, [University/Institution]
2. Dr. Soosen Samuel M - Program Coordinator, IGNOU Southern Zone

Workshop Sessions:

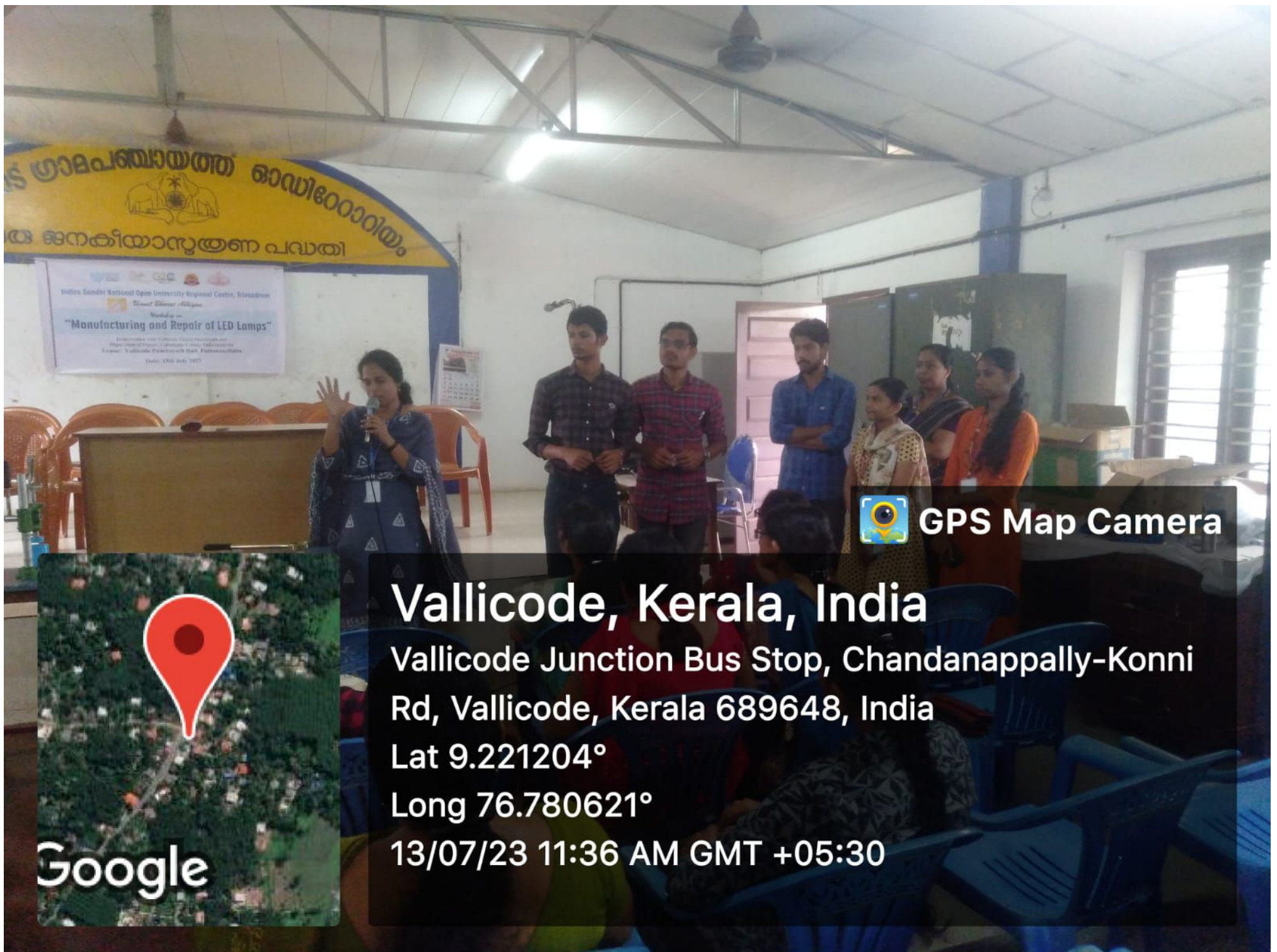
1. **Introduction to LEDs:** Dr. Dhanya I felicitate the workshop with an overview of LEDs, discussing their functioning, advantages, and applications in various fields.
2. **Sustainable Lighting Solutions:** Dr. Soosen Samuel M emphasized the importance of sustainable lighting and how LEDs contribute to energy efficiency and environmental conservation.
3. **Practical Demonstrations:** The workshop included practical demonstrations where participants had the opportunity to assemble and test LED circuits. Keerthilal, Allen Thomas and Nishad, from II MSc Physics led this session.
4. **Hands-On Activities:** The participants engaged in hands-on activities, such as designing and building LED-based lighting fixtures, which showcased the practical applications of LED technology. Shebin, Jerin, Blessy, Anjali from second BSc physics students handled this session.

Importance of the Workshop: The LED workshop held significant importance for both the participants and the community. It empowered women with knowledge about LEDs and sustainable lighting, encouraging them to adopt energy-efficient practices in their homes and communities. By partnering with IGNOU Southern Zone, the workshop exemplified the commitment to community extension programs and educational outreach.

Community Extension Program: The LED workshop was a part of the broader community extension program initiated by the Department of Physics and IGNOU Southern Zone. It aimed to bridge the gap between academic institutions and local communities, fostering a culture of learning and knowledge sharing.

Conclusion: The LED workshop organized by the Department of Physics, in collaboration with IGNOU Southern Zone, was a resounding success. It not only provided valuable insights into LED technology and its applications but also underscored the importance of community engagement and educational outreach. The active participation of both the organizers and the enthusiastic attendees made the workshop a meaningful and impactful event. As the Department of Physics continues to spearhead such initiatives, it further strengthens its commitment to knowledge dissemination and community enrichment.





GPS Map Camera

Vallicode, Kerala, India

Vallicode Junction Bus Stop, Chandanappally-Konni
Rd, Vallicode, Kerala 689648, India

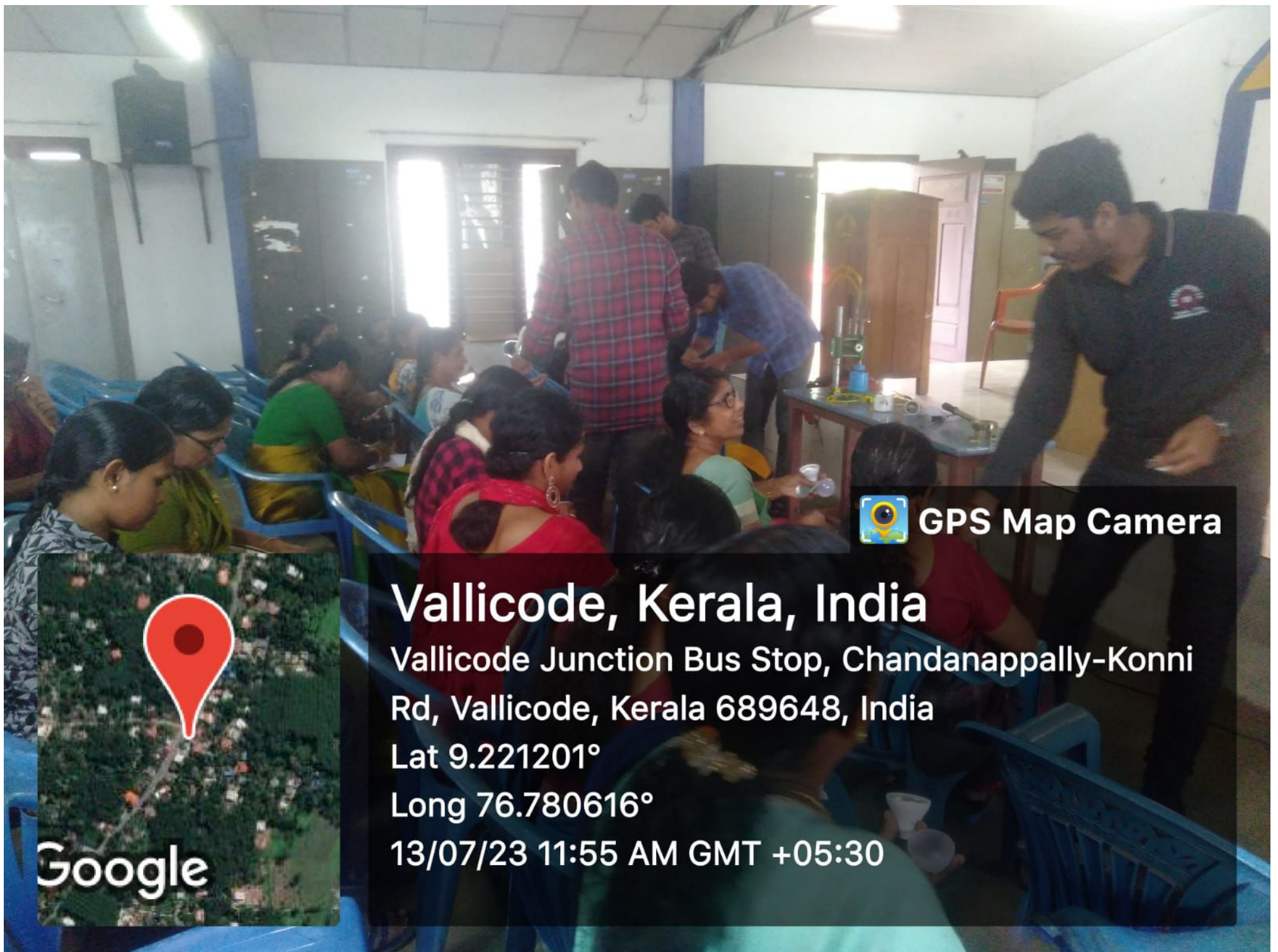
Lat 9.221204°

Long 76.780621°

13/07/23 11:36 AM GMT +05:30



Google



GPS Map Camera

Vallicode, Kerala, India

**Vallicode Junction Bus Stop, Chandanappally-Konni
Rd, Vallicode, Kerala 689648, India**

Lat 9.221201°

Long 76.780616°

13/07/23 11:55 AM GMT +05:30



Google