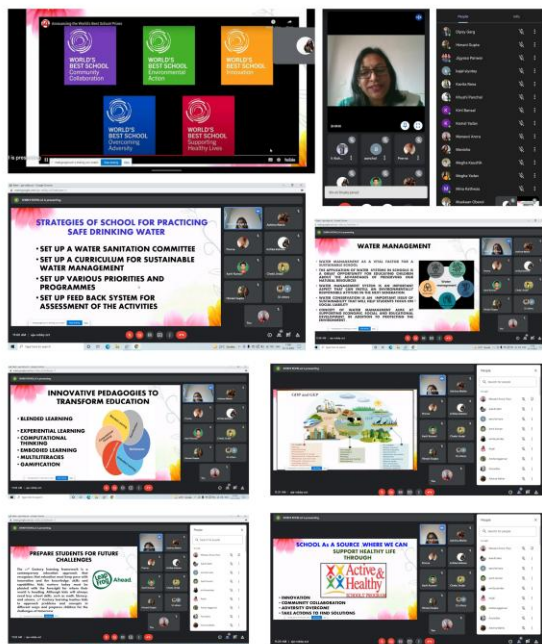




# GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING ROHINI, DELHI-110085

## EXTENSION LECTURE “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT”



EXTENSION LECTURE

## **SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT**

**Saturday, November 13  
11:00 AM to 12:00 PM  
VIA GOOGLE MEET**

**Our Speaker**

**Ms. Shikhi Rohilla**

PGT Biology with Renowned  
CBSE Senior Secondary  
School, Delhi



In today's time, we have realized that health is wealth. School is an important source where we can support healthy life through various innovations, community collaborations and by taking actions. At school, students are nurtured in a way to make them responsible citizens of tomorrow who are ready to face all the challenges. Since water is a vital resource and waste management is necessary for a healthy life, school practices play an important role to develop required skills in students.

To train the future teachers in nurturing students in aspect of these skills, Gitarattan Institute Of Advanced Studies and Training organized an extension lecture on “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT” on virtual platform. The guest speaker for this lecture was Ms. Shikhi Rohilla. Mam shared with us the importance of schools and education in nurturing students as future citizens who will be ready to face any challenges thrown at them tomorrow. Innovative pedagogies are being introduced to transform education keeping in mind the aspect of drinking water and waste management.

Water management is a vital factor for a sustainable school. It provides opportunity for educating students about advantages of preserving our natural resources and instill in them environmentally responsible attitude. Various strategies that can be adopted by school are setting up water sanitation committee, curriculum for sustainable water management, various activities and motivational programmes and feedback system for them. Waste management at school is very necessary and participation of students should be ensured. Waste management programmes need to be initiated like composting, activities and lessons, waste stream audits, waste reduction initiatives, green teams of students, etc.



# GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING ROHINI , DELHI-110085

## EXTENSION LECTURE “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT”

The extension lecture was quite interesting, informative and helpful for us as future teachers who will be a part of initiating school practices. Such school practices will definitely bring out a change and prepare students for challenges in life.

The screenshot shows a Google Meet interface. The main content is a presentation slide with the following text:

**SCHOOL As A SOURCE ,WHERE WE CAN  
SUPPORT HEALTHY LIFE  
THROUGH**

**Active & Healthy  
SCHOOLS™ PROGRAM**

- INNOVATION
- COMMUNITY COLLABORATION
- ADVERSITY OVERCOME
- TAKE ACTIONS TO FIND SOLUTIONS

The slide also features a logo with four stylized human figures in red, yellow, green, and blue. The Meet interface includes a 'People' list on the right with names like Manasvi Arora, Aakriti Seth, and Ashima Wahie. The bottom of the screen shows the Windows taskbar with the time 11:20 AM and date 13-11-2021.



# GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING

## ROHINI, DELHI-110085

### EXTENSION LECTURE


## “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT”

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### PREPARE STUDENTS FOR FUTURE CHALLENGES

The 21<sup>st</sup> Century learning framework is a contemporary education approach that recognizes that education must keep pace with innovation and the knowledge, skills and capabilities kids nurture today must be planted with the foresight for where their world is heading. Although kids will always need key school skills, such as math, literacy, and science, 21<sup>st</sup> Century learning teaches kids to approach problems and concepts in different ways and prepares children for the challenges of tomorrow.



People

In call


- Manasvi Arora (You)
- Aakriti Seth
- aanchal rana
- Aarti Kumari
- amita pandey
- Anjali
- Ankita Aggarwal
- Anuradha
- Ashima Wahie

11:22 AM | aja-nddq-zct

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### GDP and GEP



**For example:**

- Mining
- Manufacturing
- Construction
- Transportation & storage
- Information & communication
- Wholesale and retail trade
- Financial, insurance, and real estate service
- Public administration

**For example:**

- Agriculture
- Forestry
- Fishing
- Recreation & tourism
- Hydropower

**For example:**

- Water retention
- Flood mitigation
- Soil retention
- Sandstorm prevention
- Pollution
- Carbon sequestration
- Mental health
- Air purification
- Water purification
- Climate regulation

People

In call

- Manasvi Arora (You)
- Aakriti Seth
- aanchal rana
- Aarti Kumari
- amita pandey
- Anjali
- Ankita Aggarwal
- Anuradha
- Ashima Wahie

11:31 AM | aja-nddq-zct





# GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING ROHINI , DELHI-110085

## EXTENSION LECTURE “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT”

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### INNOVATIVE PEDAGOGIES TO TRANSFORM EDUCATION

- BLENDED LEARNING
- EXPERIENTIAL LEARNING
- COMPUTATIONAL THINKING
- EMBODIED LEARNING
- MULTILITERACIES
- GAMIFICATION

11:35 AM | aja-nddq-zct

SHIKHI ROHILLA, Ashima Wahie, Perna, kritika kishore, Aarti Kumari, Chelsi Jindal, Himani Gupta, 52 others, You

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### WATER MANAGEMENT

- WATER MANAGEMENT AS A VITAL FACTOR FOR A SUSTAINABLE SCHOOL
- THE APPLICATION OF WATER SYSTEMS IN SCHOOLS IS A GREAT OPPORTUNITY FOR EDUCATING CHILDREN ABOUT THE ADVANTAGES OF PRESERVING OUR NATURAL RESOURCES
- WATER MANAGEMENT SYSTEM IS AN IMPORTANT ASPECT THAT CAN INSTILL AN ENVIRONMENTALLY RESPONSIBLE ATTITUDE IN THE NEXT GENERATION.
- WATER CONSERVATION IS AN IMPORTANT ISSUE OF SUSTAINABILITY THAT WILL HELP STUDENTS FOCUS ON SOCIAL LIABILITY
- CONCEPT OF WATER MANAGEMENT AIMS AT SUPPORTING ECONOMIC, SOCIAL, AND EDUCATIONAL DEVELOPMENT, IN ADDITION TO PROTECTING THE ENVIRONMENT .

11:38 AM | aja-nddq-zct

SHIKHI ROHILLA, Ashima Wahie, Perna, kritika kishore, Aarti Kumari, Chelsi Jindal, Himani Gupta, 52 others, You



# GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING ROHINI , DELHI-110085

## EXTENSION LECTURE “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT”

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### STRATEGIES OF SCHOOL FOR PRACTICING SAFE DRINKING WATER

- SET UP A WATER SANITATION COMMITTEE
- SET UP A CURRICULUM FOR SUSTAINABLE WATER MANAGEMENT
- SET UP VARIOUS PRIORITIES AND PROGRAMMES
- SET UP FEED BACK SYSTEM FOR ASSESSMENT OF THE ACTIVITIES

11:40 AM | aja-nddq-zct

The screenshot shows a Google Meet window. The main content is a presentation slide with a blue header and a list of four bullet points. The participants list on the right includes Shikhi Rohilla, Ashima Wahie, Prerna, kritika kishore, Aarti Kumari, Chelsi Jindal, Himani Gupta, and 52 others. The bottom of the window shows the meeting controls and a system tray with the time 11:40 AM and temperature 22°C.

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### WATER SANITATION COMMITTEE

ENSURE WATER IS SAFE      INCREASE ACCESS      PROMOTE WATER

11:41 AM | aja-nddq-zct

This screenshot is similar to the one above but shows a different slide. The slide title is 'WATER SANITATION COMMITTEE' and it features three blue boxes with the text 'ENSURE WATER IS SAFE', 'INCREASE ACCESS', and 'PROMOTE WATER'. The participants list and meeting controls are identical to the previous screenshot, with the time now at 11:41 AM.



# GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING

## ROHINI, DELHI-110085

### EXTENSION LECTURE

## “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT”

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### WATER MANAGEMENT AS A CURRICULUM

- PROBLEM BASED CURRICULUM
- INTEGRATED AND ADVANCE CURRICULUM
- APPLICATION BASED CURRICULUM
- ACTION ORIENTED CURRICULUM
- TIME TO TIME UPGRADATION OF CURRICULUM

11:47 AM | aja-nddq-zct

SHIKHI ROHILLA, Ashima Wahie, Perna, kritika kishore, Manisha, Chelsi Jindal, Himani Gupta, 52 others, You

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### RAIN WATER HARVESTING SYSTEM IN SCHOOLS

11:48 AM | aja-nddq-zct

SHIKHI ROHILLA, Ashima Wahie, Perna, kritika kishore, Manisha, Chelsi Jindal, Himani Gupta, 52 others, You





# GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING ROHINI, DELHI-110085

## EXTENSION LECTURE “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT”

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### VARIOUS MOTIVATIONAL PROGRAMMES

- WEEKLY AND MONTHLY ACTIVITIES
- CLEAN DRIVES
- GREEN DRIVES
- PROGRAMMES RELATED TO CURRENT AND FUTURE CHALLENGES
- DEBATES AND DISCUSSIONS
- SEMINARS AND WORKSHOPS
- ARTIFACTS

SHIKHI ROHILLA, Ashima Wahie, Perna, kritika kishore, Manisha, Chelsi Jindal, Himani Gupta, 52 others, You

11:48 AM | aja-nddq-zct

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### WASTE MANAGEMENT AT SCHOOL

*If you see a mess... Pitch in and clean it!*

*Let's keep our school clean and tidy.*

SHIKHI ROHILLA, Ashima Wahie, Perna, kritika kishore, Manisha, Chelsi Jindal, Himani Gupta, 52 others, You

11:49 AM | aja-nddq-zct



# GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING ROHINI, DELHI-110085

## EXTENSION LECTURE “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT”

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### Eco-Schools – An Introduction to Garbage Management at School

meet.google.com is sharing your screen [Stop sharing](#) [Hide](#)

11:49 AM | aja-nddq-zct

SHIKHI ROHILLA, Ashima Wahie, Perna, kritika kishore, Manisha, Chelsi Jindal, Himani Gupta, 52 others, You

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### WASTE AWARENESS EDUCATION

meet.google.com is sharing your screen [Stop sharing](#) [Hide](#)

11:49 AM | aja-nddq-zct

SHIKHI ROHILLA, Ashima Wahie, Perna, kritika kishore, Manisha, Chelsi Jindal, Himani Gupta, 52 others, You





# GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING ROHINI, DELHI-110085

## EXTENSION LECTURE “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT”

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### THE WASTE HIERARCHY

Most Preferred

Least Preferred

Prevention

Re-use

Recycling

Recovery

Disposal

11:50 AM | aja-nddq-zct

SHIKHI ROHILLA, Ashima Wahie, Perna, kritika kishore, Manisha, Chelsi Jindal, Himani Gupta, 52 others, You

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### SCHOOL ZERO WASTE MANAGEMENT PROGRAMMES

- **Composting** (food scrap collection)
- **Educational Activities and Lessons**
- **School Solid Waste Scorecard**
- **Waste Stream Audits**
- **Faculty/Staff Training & Education**
- **Technical Assistance & Troubleshooting**
- **School Zero Waste Grant Program**
- **Waste Reduction Initiatives**
- **Student involvement – Green Teams**

11:54 AM | aja-nddq-zct

SHIKHI ROHILLA, Ashima Wahie, Perna, kritika kishore, Manisha, Chelsi Jindal, Himani Gupta, 52 others, You



# GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING ROHINI, DELHI-110085

## EXTENSION LECTURE “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT”

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### Recycling Activities & Lessons

- **In-Class Lessons**
  - Intro to Composting (K)
  - Why Should I Recycle? (Grade 2)
  - Take out the Trash (Grade 4)
  - Solid Waste from a Historical Viewpoint (MS/HS)
  - Anatomy of a Landfill (MS)
  - 3R's Lessons (3 parts)
  - Recycle Relay & Compost Tag
  - Individualized lessons:
    - Electronics & E-waste
    - Papermaking

11:56 AM | aja-nddq-zct

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### Waste Stream Audits

- Helps determine what areas school needs to work on (composting, recycling, etc.)
- Great hands on activity for students/Green Team
- Schools can create report with findings and suggestions for next steps
- Schools often complete a waste audit at beginning and end of the year to track progress

11:58 AM | aja-nddq-zct



# GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING ROHINI, DELHI-110085

## EXTENSION LECTURE “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT”

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### Eco-Schools Programme

- Many Eco-Schools have received Green Flag as showing a commitment to environmental improvement and sustainability.
- Pupils are encouraged to take action on areas they see as high priority. These may include: Litter, Waste reduction, Safe routes to school, Waste-free lunches, Energy saving and Conservation.
- Eco-Schools encourages pupils to identify local support to ensure that targets are met.

11:58 AM | aja-nddq-zct

Meet - aja-nddq-zct - Google Chrome  
meet.google.com/aja-nddq-zct?authuser=1

SHIKHI ROHILLA is presenting

### DUSTBIN FREE CLASS

- Encourage students and teachers to pack a waste-free lunch.
- Encourage teachers to use an overhead projector or blackboard to reduce the amount of paper distributed in class.
- Encourage teachers and staff to communicate with parents using email when possible instead of sending home paper communication.
- Encourage teachers to make double-sided copies when possible.
- Encourage students to write on both sides of paper before recycling.
- Designate a box in the classroom for scrap paper, fabric, and other objects that can be reused for projects.
- Encourage students to collect reusable supplies for art projects such as ~~egg cartons~~ ~~magazines~~ milk cartons, paper grocery bags, etc.

12:02 PM | aja-nddq-zct





# GITARATTAN INSTITUTE OF ADVANCED STUDIES & TRAINING ROHINI , DELHI-110085

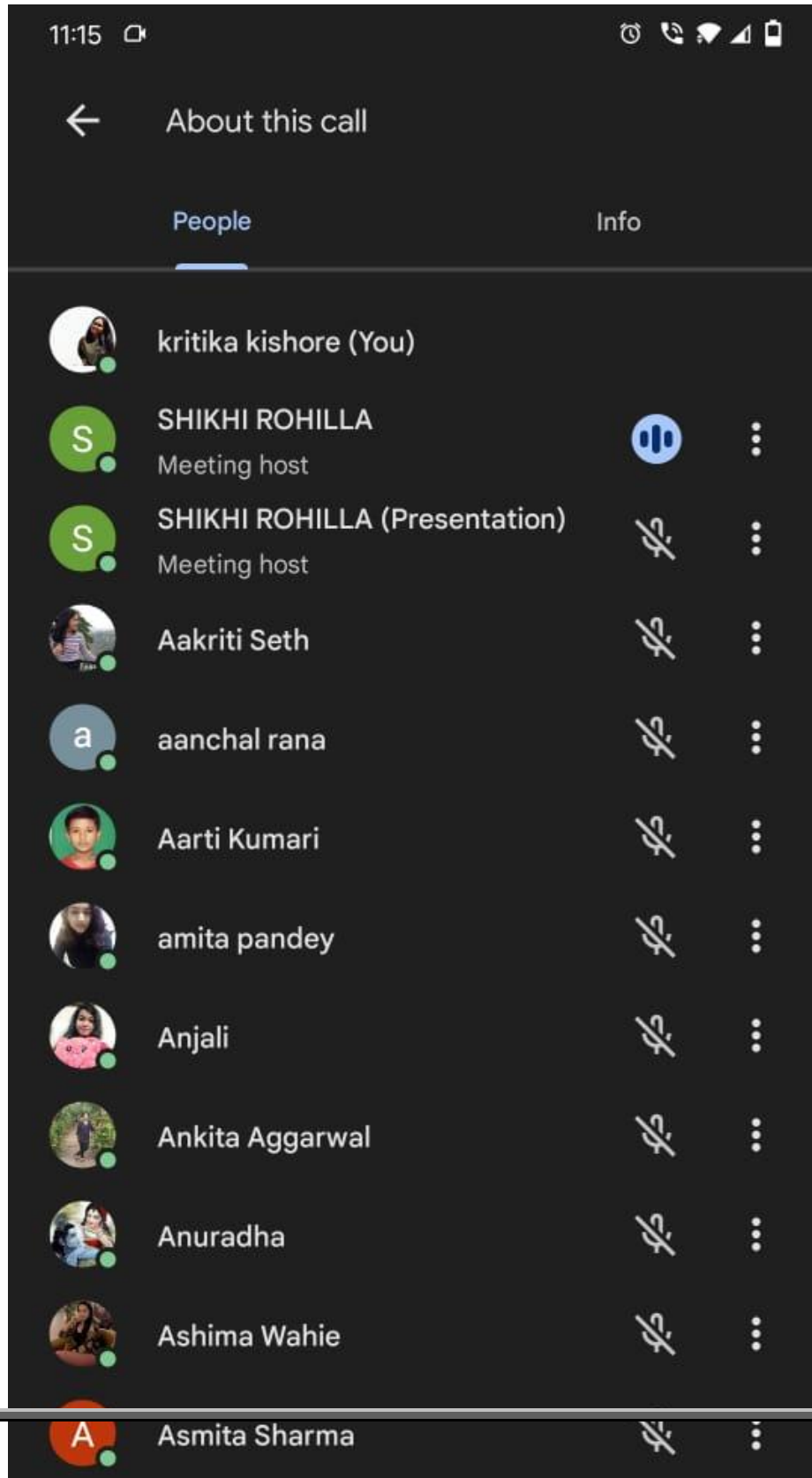
## EXTENSION LECTURE “SCHOOL PRACTICES: DRINKING WATER AND WASTE MANAGEMENT”





**GITARATTAN INSTITUTE OF ADVANCED STUDIES  
& TRAINING  
ROHINI , DELHI-110085**

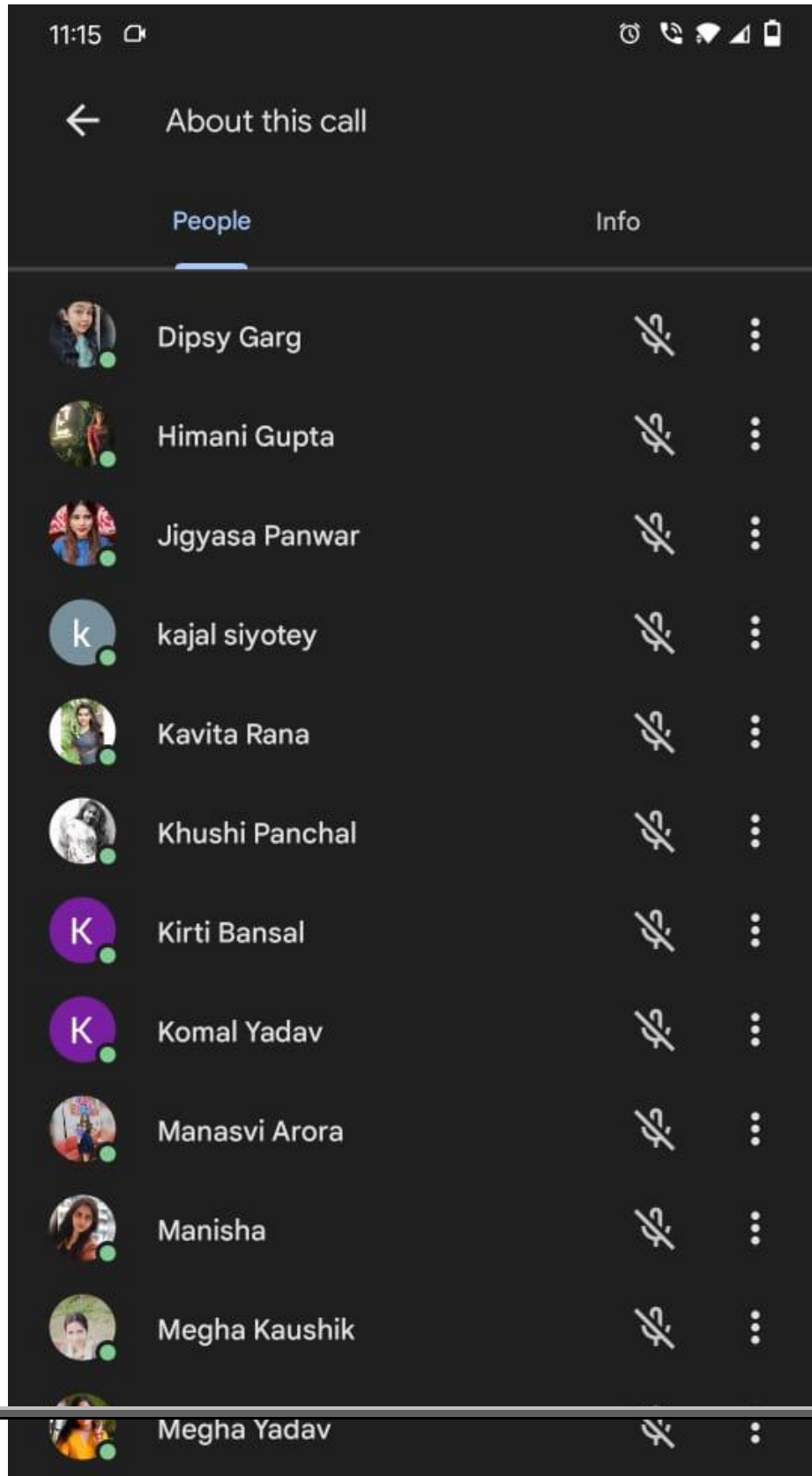
**EXTENSION LECTURE  
“SCHOOL PRACTICES: DRINKING WATER AND WASTE  
MANAGEMENT”**





**GITARATTAN INSTITUTE OF ADVANCED STUDIES  
& TRAINING  
ROHINI , DELHI-110085**

**EXTENSION LECTURE  
“SCHOOL PRACTICES: DRINKING WATER AND WASTE  
MANAGEMENT”**

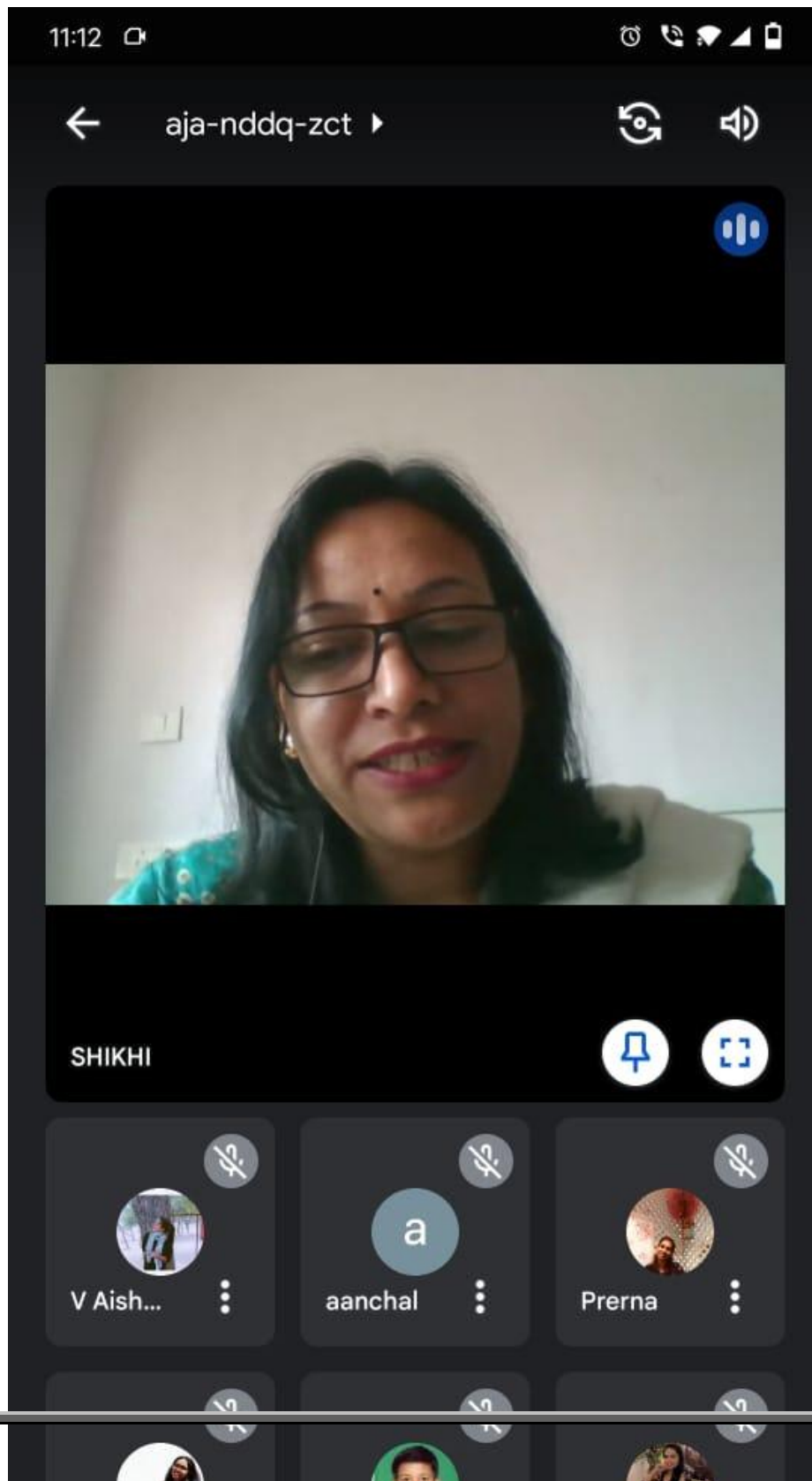






**GITARATTAN INSTITUTE OF ADVANCED STUDIES  
& TRAINING  
ROHINI, DELHI-110085**

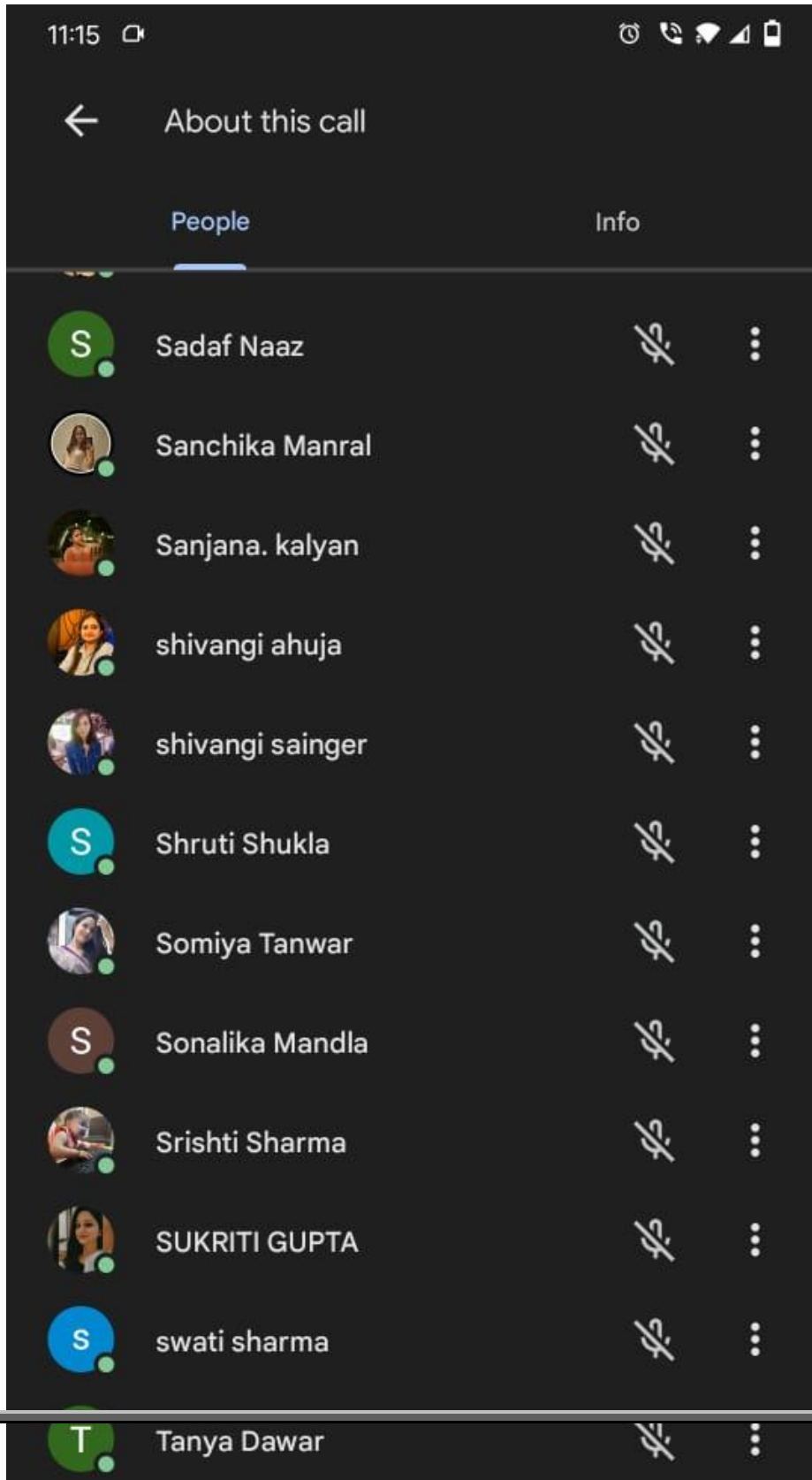
**EXTENSION LECTURE  
“SCHOOL PRACTICES: DRINKING WATER AND WASTE  
MANAGEMENT”**





**GITARATTAN INSTITUTE OF ADVANCED STUDIES  
& TRAINING  
ROHINI , DELHI-110085**

**EXTENSION LECTURE  
“SCHOOL PRACTICES: DRINKING WATER AND WASTE  
MANAGEMENT”**





**GITARATTAN INSTITUTE OF ADVANCED STUDIES  
& TRAINING  
ROHINI , DELHI-110085**

**EXTENSION LECTURE  
“SCHOOL PRACTICES: DRINKING WATER AND WASTE  
MANAGEMENT”**

