Report on Knowledge Manthan, 2022 Held on 26th Feb 2022

Date of Event	**26th Feb 2022**
Name and Type of Event	1. Prof. Syed Rashid Anwar on the topic "Software Defined Networking". 2. Prof Maniranjan Kumar on the topic "Groundwater Contamination"
Conducted by	Dr. Anupam Kumari
Number of Participants	**28**

The Resource person Prof. Syed Rashid Anwar and Prof Maniranjan Kumar are Assistant Professor of the School of Engineering and IT, ARKA JAIN University, Jamshedpur.

The speaker gave informative and illuminating lecture with valuable content. The session was very valuable for Faculties, Researcher and Students. Software-Defined Networking (SDN) is an emerging architecture that is dynamic, manageable, cost-effective, and adaptable, making it ideal for the high-bandwidth, dynamic nature of today's applications. This architecture decouples the network control and forwarding functions enabling the network control to become directly programmable and the underlying infrastructure to be abstracted for applications and network services. This model differs from that of traditional networks, which use dedicated hardware devices (i.e., routers and switches) to control network traffic. SDN can create and control a virtual network – or control a traditional hardware – via software. While network virtualization allows organizations to segment different virtual networks within a single physical network, or to connect devices on different physical networks to create a single virtual network, software-defined networking enables a new way of controlling the routing of data packets through a centralized server.

Groundwater contamination occurs when man-made products such as gasoline, oil, road salts and chemicals get into the groundwater and cause it to become unsafe and unfit for human use. Materials from the land's surface can move through the soil and end up in the groundwater. For example, pesticides and fertilizers can find their way into groundwater supplies over time. Road salt, toxic substances from mining sites, and used motor oil also may seep into groundwater.

In addition, it is possible for untreated waste from septic tanks and toxic chemicals from underground storage tanks and leaky landfills to contaminate groundwater. Drinking contaminated groundwater can have serious health effects. Diseases such as hepatitis and dysentery may be caused by contamination from septic tank waste. Poisoning may be caused by toxins that have leached into well water supplies. Wildlife can also be harmed by contaminated groundwater. Other long term effects such as certain types of cancer may also result from exposure to polluted water.

About the Speaker:-

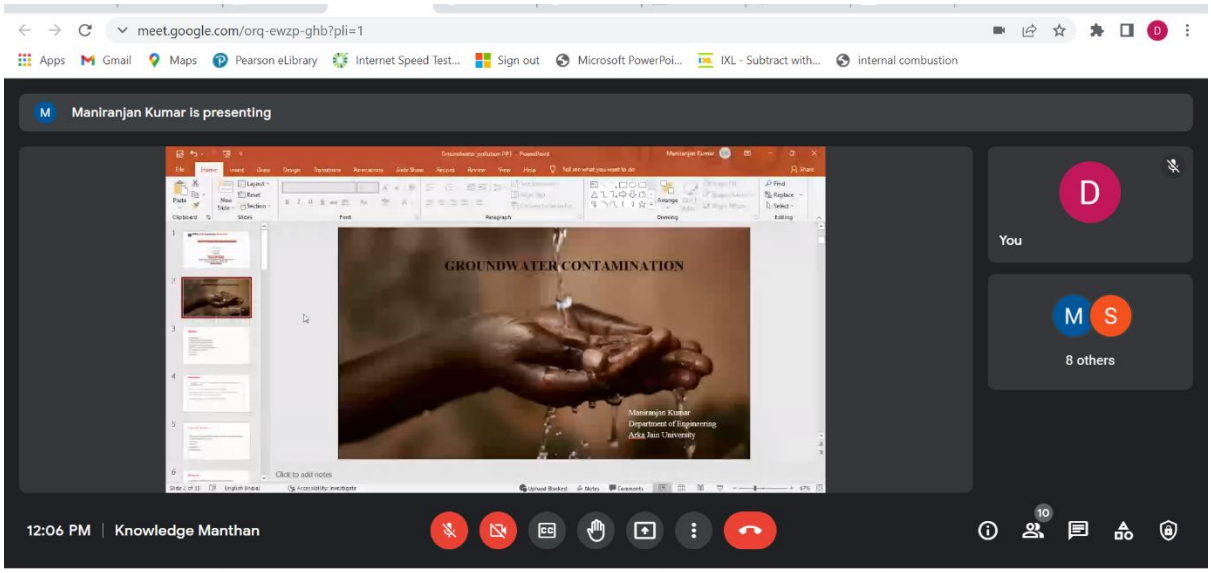
Prof. Syed Rashid Anwar and Prof Maniranjan Kumar are Assistant Professor of the Dept of Engg, School of Engineering and IT, ARKA JAIN University, Jamshedpur.

Venue and Participants:-

Knowledge Manthan was conducted online on Google Meet Platform. Total participants attended were 28.

EventPoster

Event Pics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Maniranjan Kumar is presenting
GROUNDWATER CONTAMINATION
Maniranjan Kumar
Department of Engineering
Arka Jain University
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8 others
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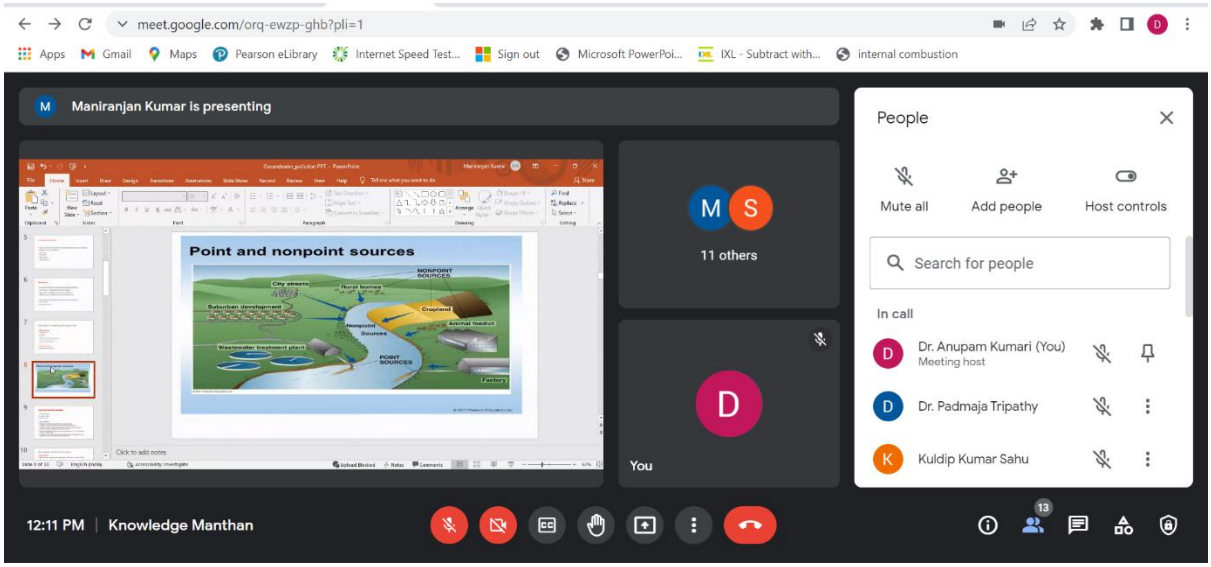
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Maniranjan Kumar is presenting
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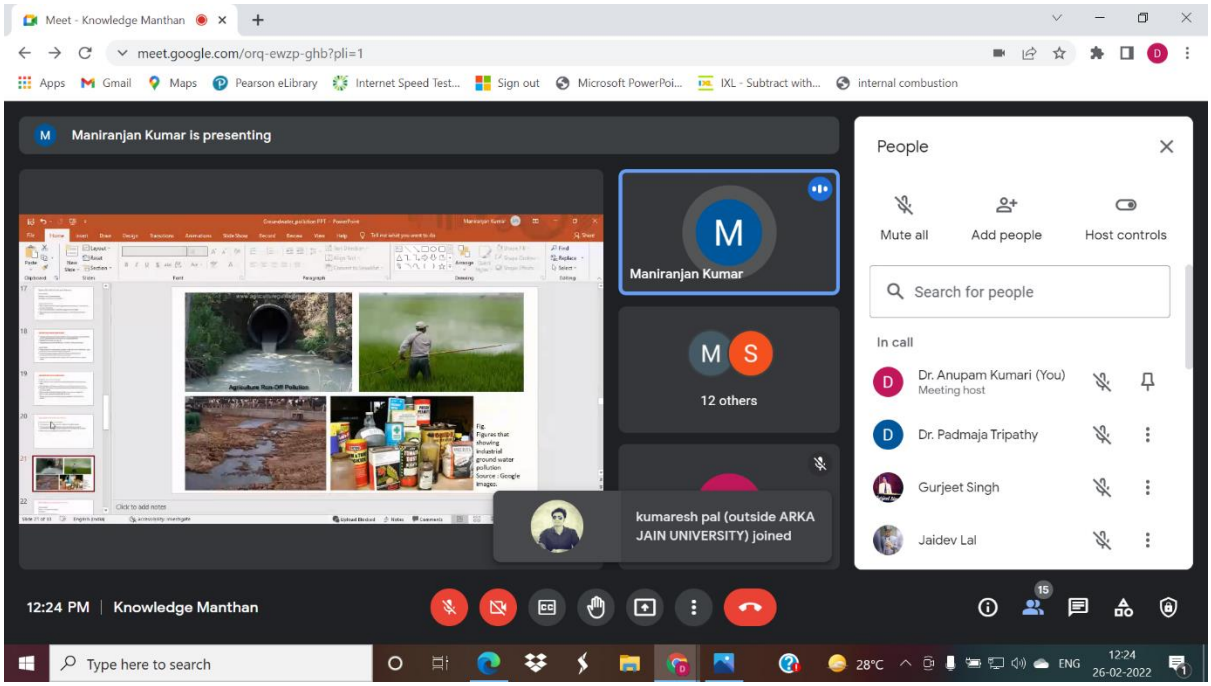
In call
Dr. Anupam Kumari (You)
Meeting host
Dr. Padmaja Tripathy
Kuldip Kumar Sahu
12:11 PM | Knowledge Manthan


Meet - Knowledge Manthan
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Maniranjan Kumar is presenting
Maniranjan Kumar
12 others
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Dr. Anupam Kumari (You)
Meeting host
Dr. Padmaja Tripathy
Gurjeet Singh
Jaidev Lal
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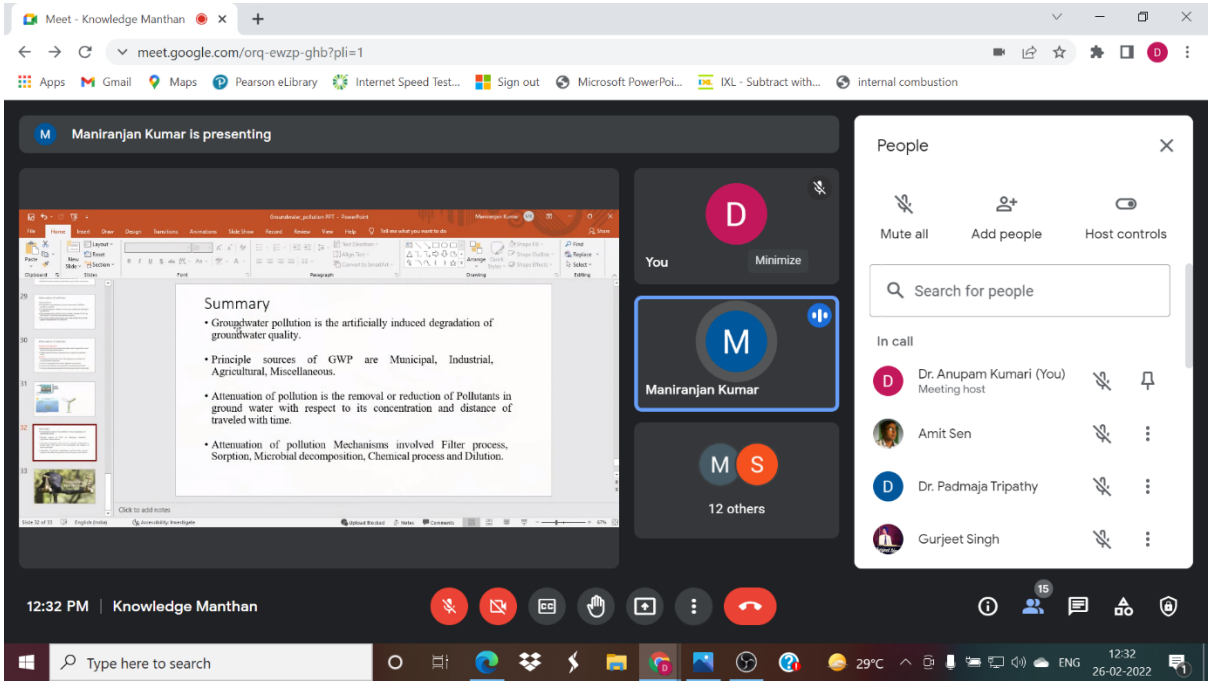
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Maniranjan Kumar is presenting
Summary
• Groundwater pollution is the artificially induced degradation of groundwater quality.
• Principle sources of GWP are Municipal, Industrial, Agricultural, Miscellaneous.
• Attenuation of pollution is the removal or reduction of Pollutants in ground water with respect to its concentration and distance of traveled with time.
• Attenuation of pollution Mechanisms involved Filter process, Sorption, Microbial decomposition, Chemical process and Dilution.
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Minimize
Maniranjan Kumar
12 others
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Dr. Anupam Kumari (You)
Meeting host
Amit Sen
Dr. Padmaja Tripathy
Gurjeet Singh
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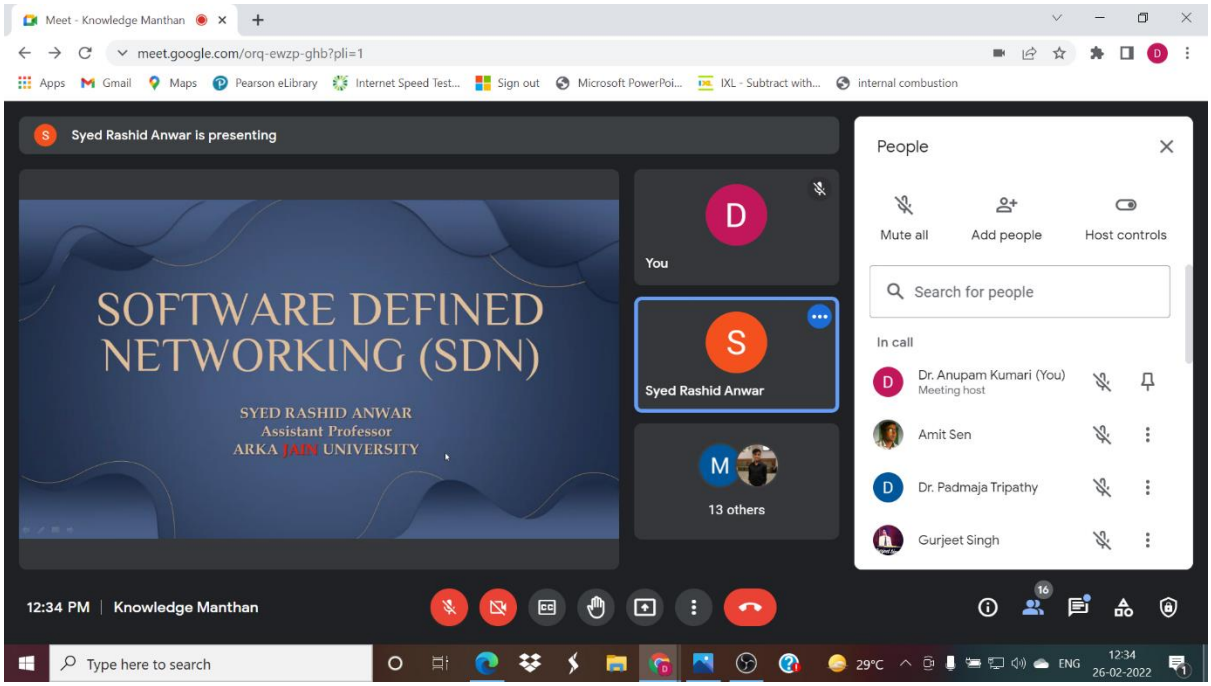
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internal combustion
Syed Rashid Anwar is presenting
SOFTWARE DEFINED NETWORKING (SDN)
SYED RASHID ANWAR
Assistant Professor
ARKA JAIN UNIVERSITY
You
Syed Rashid Anwar
13 others
People
Mute all
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In call
Dr. Anupam Kumari (You)
Meeting host
Amit Sen
Dr. Padmaja Tripathy
Gurjeet Singh
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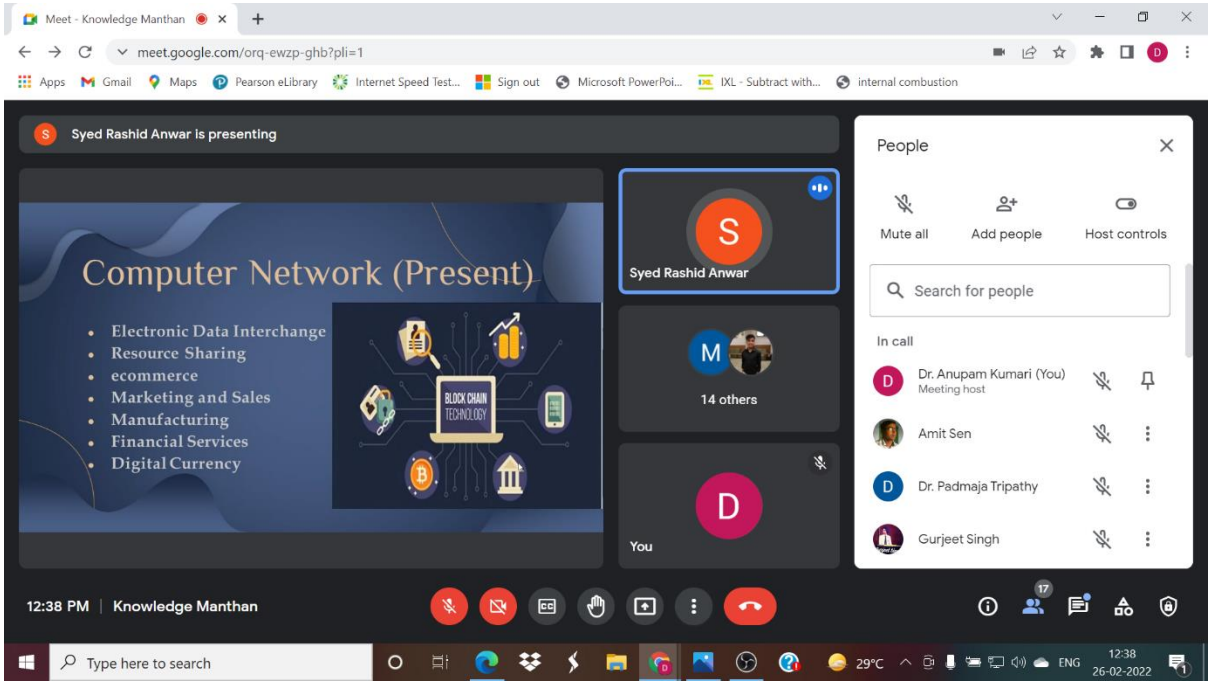
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IXL - Subtract with...
internal combustion
Syed Rashid Anwar is presenting
Computer Network (Present)
Electronic Data Interchange
Resource Sharing
ecommerce
Marketing and Sales
Manufacturing
Financial Services
Digital Currency
BLOCK CHAIN TECHNOLOGY
Syed Rashid Anwar
14 others
You
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Dr. Anupam Kumari (You)
Meeting host
Amit Sen
Dr. Padmaja Tripathy
Gurjeet Singh
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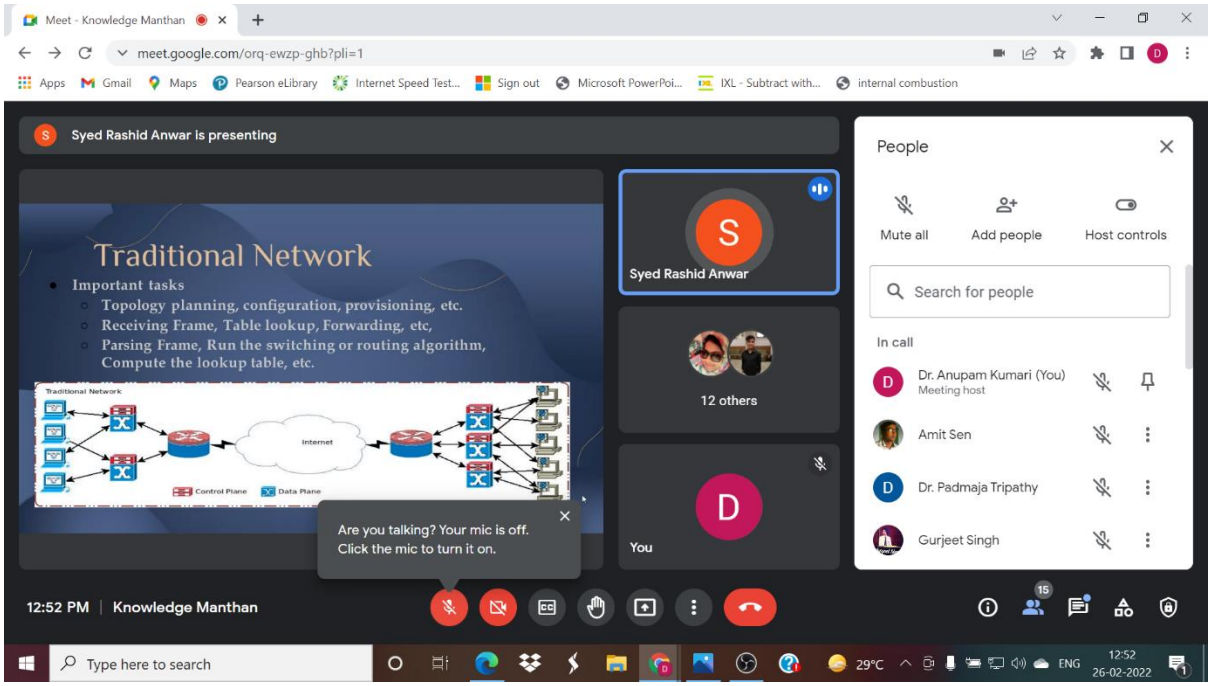
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internal combustion
Syed Rashid Anwar is presenting
Traditional Network
Important tasks
Topology planning, configuration, provisioning, etc.
Receiving Frame, Table lookup, Forwarding, etc,
Parsing Frame, Run the switching or routing algorithm, Compute the lookup table, etc.
Internet
Control Plane
Data Plane
Are you talking? Your mic is off.
Click the mic to turn it on.
Syed Rashid Anwar
12 others
You
People
Mute all
Add people
Host controls
Search for people
In call
Dr. Anupam Kumari (You)
Meeting host
Amit Sen
Dr. Padmaja Tripathy
Gurjeet Singh
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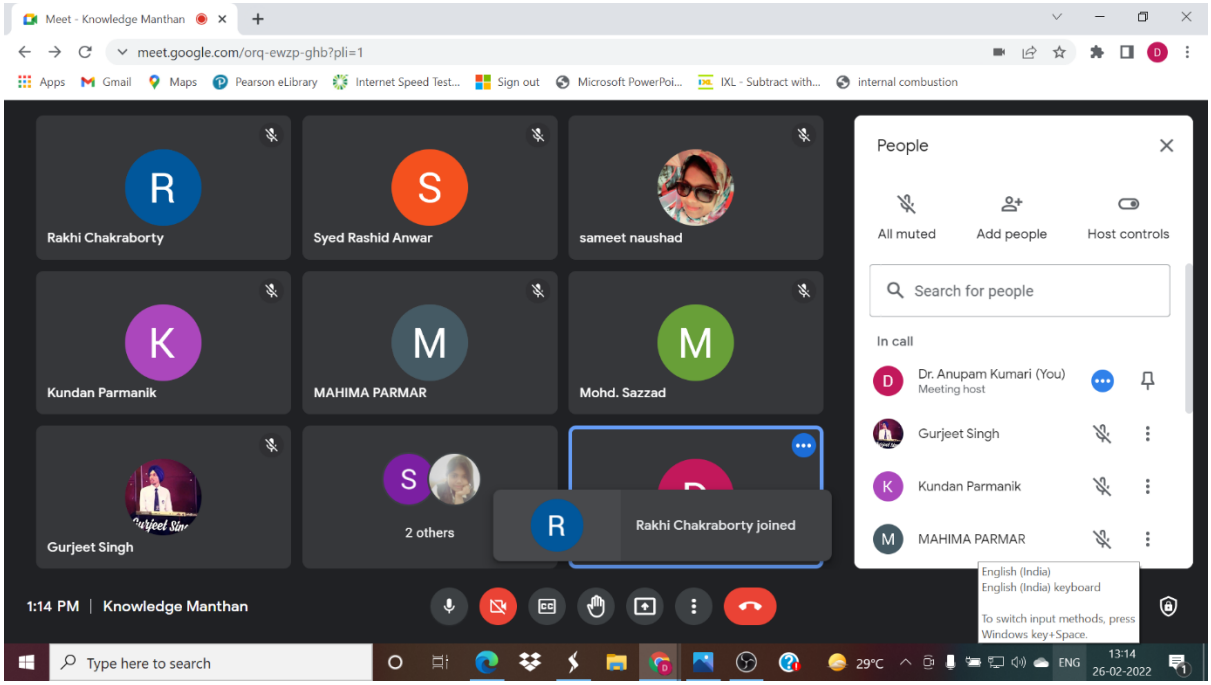
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internal combustion
Rakhi Chakraborty
Syed Rashid Anwar
sameet naushad
Kundan Parmanik
MAHIMA PARMAR
Mohd. Sazzad
Gurjeet Singh
2 others
Rakhi Chakraborty joined
People
All muted
Add people
Host controls
Search for people
In call
Dr. Anupam Kumari (You)
Meeting host
Gurjeet Singh
Kundan Parmanik
MAHIMA PARMAR
English (India)
English (India) keyboard
To switch input methods, press Windows key+Space.
1:14 PM | Knowledge Manthan
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