



POORNIMA

COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

Report on 7-days Short Term Training Program

- ♦ **TITLE AND DURATION:** “Artificial Intelligence & Cooperative Noma (5G) Network”
from December 21-27, 2021.
- ♦ **SPONSORS:** AICTE -ISTE
- ♦ **SUPPORTERS:** Nil.
- ♦ **ORGANIZERS:** Department of Electronics & Communication Engineering, Poornima College of Engineering, Jaipur.
- ♦ **OBJECTIVES:** The objective of general AI is to design a system capable of thinking for itself just like humans do. Currently, general AI is still under research, and efforts are being made to develop machines that have enhanced cognitive capabilities.
- ♦ **EXPECTED OUTCOMES:**
 1. Evaluate the advantages, disadvantages, challenges, and ramifications of human–AI augmentation.
 2. Design and develop symbiotic human–AI systems that balance the information processing power of computational systems with human intelligence and decision making.
 3. Explain the benefits, limitations, and tradeoffs of designing engaging and ethical conversational user interactions, including those supported by chatbots, smart speakers, and other AI-driven, voice-based technologies.
 4. Design and evaluate conversational interfaces for different users and contexts of use.


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-0, RICO Institutional Area
Sitapura, JAIPUR

♦ **BROCHURE / POSTER / LEAFLET / FLYER:**







AICTE-ISTE
ONE WEEK ONLINE REFRESHER PROGRAMME
on
Artificial Intelligence in
Cooperative Noma (5G) Network
December 21-27, 2021

Sponsored by

Organized by
Department of Electronics & Communication Engineering

POORNIMA
COLLEGE OF ENGINEERING

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NBA




Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-0, RIICO Institutional Area
Sitapura, JAIPUR



AICTE-ISTE SPONSORED ONE WEEK ONLINE REFRESHER PROGRAMME
ON
**ARTIFICIAL INTELLIGENCE IN
COOPERATIVE NOMA (5G) NETWORK**



December 21-27, 2021

Department of Electronics & Communication Engineering, Poornima College of Engineering
Cordially invite you to Inaugural Session



Dr. Pratapsinh Kakasaheb Desai
Chief Guest
Indian Society of for Technical (ISTE)
New Delhi



Prof. R. P. Yadav
Guest of Honor
Professor-HAG, MNIT, Jaipur



Dr. Mahesh M. Bunde
Director & Principal
PCE, Jaipur



Ar. Rahul Singhi
Director
Poornima Group, Jaipur



Mr. Pankaj Dhemia
Vice Principal
PCE, Jaipur

Resource Persons



Prof. Rajeevan Chandel
Professor
NIT, Hamirpur



Dr. Vimal Bhatia
Professor
IIT Indore



Dr. Mithilesh Kumar
Professor
RTU, Kota (Raj.)



Prof. Nidhi Goel
Professor & Head
IGDTUW, New Delhi



Dr. Priti Srinivas Sajja
Professor, Sardar Patel University
Vallabh Vidyanagar, Gujarat



Dr. M Lakshmi
Professor, SRM Institute of Science
and Technology, Tamil Nadu



Dr. Preetam Kumar
Associate Professor
IIT, Patna



Dr. Sandeep Kumar
Associate Professor
IIT Roorkee



Dr. Aniruddha Chandra
Associate Professor
NIT Durgapur



Prof. Prashant K. Jamwal
Associate Professor, Nazarbayev University
(NU), Astana, Kazakhstan



Dr. Neelakandan Rajamohan
Assistant Professor
IIT Goa



Dr. Himanshu B. Mishra
Assistant Professor
IIT Dhanbad



Dr. Rahul Pandya
Assistant Professor
IIT Dhanwad



Dr. Amit Kumar Garg
Assistant Professor
IIT Kota



Divya Mathur
AmazeHeads, Mumbai



Mukesh Kulothia
Director
Muskurudo, New Delhi

Organized by Department of Elect. & Comm. Engineering



POORNIMA
COLLEGE OF ENGINEERING

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NBA



Dr. Garima Mathur
Program Coordinator



Dr. Anila Dhinra
Program Co-Coordinator



Mr. Tarun Mishra
Assistant Prof. ECE,PCE


Dr. Mahesh Bunde
 B.E., M.E., Ph.D.
 Director
 Poornima College of Engineering
 ISI-0, RICO Institutional Area
 Sitapura, JAIPUR

SPEAKERS

- Prof. R. P. Yadav**
Professor-HAG, MNIT, Jaipur
- Prof. Rajeevan Chandel**
Professor, NIT, Hamirpur
- Dr. Vinod Bhatia**
Professor, IIT Indore
- Dr. Nilesh Kumar**
Professor, RTU, Kota (Raj.)
- Dr. M. Lalchimi**
Professor, SRM Institute of Science and Technology, Tamil Nadu
- Dr. Priti Srinivas Sajja**
Professor, Sardar Patel University, Vallabh Vidyanagar, Gujarat
- Dr. Sandeep Kumar**
Associate Professor, IIT Roorkee
- Dr. Preetam Kumar**
Associate Professor, IIT, Patna
- Dr. Aniruddha Chandra**
Associate Professor, NIT Durgapur
- Dr. Himanshu B. Mishra**
Assistant Professor, IIT Dharwad
- Dr. Rahul Pandya**
Assistant Professor, IIT Dharwad
- Dr. Neelakandan Rajamohan**
Assistant Professor, IIT Goa
- Dr. Amit Kumar Garg**
Assistant Professor, IIT Kota



PATRON

Dr. Mahesh Bunde
Principal & Director
Poornima College of Engineering, Jaipur

Mr. Pankaj Dhemla
Vice Principal, Poornima College of Engineering, Jaipur

PROGRAM COORDINATOR

Dr. Garima Mathur
Head of Department ECE, Poornima College of Engineering

CO-COORDINATOR

Dr. Anila Dhangra
Associate Professor,
ECE, PCE

Mr. Tarun Mishra
Assistant Professor
ECE, PCE

PCE ORGANIZING COMMITTEE

Dr. Payal Bansal
Mr. Amit Kumar Jain
Mr. Durgesh Kumar
Mr. Manish Sharma
Ms. Manisha Kumawat

Associate Professor, ECE
Assistant Professor, ECE
Assistant Professor, ECE
Assistant Professor, ECE
Assistant Professor, ECE

CONTACT FOR FURTHER INFORMATION

Dr. Garima Mathur
Head, Department Electronics & Communication Engineering,
Poornima College of Engineering, Jaipur
☎ : +91-9829393517
✉ : drg.mathur@poornima.org



AICTE-ISTE ONE WEEK ONLINE REFRESHER PROGRAMME on Artificial Intelligence in Cooperative Noma (5G) Network

December 21-27, 2021



Sponsored by



Organized by
Department of
Electronics & Communication Engineering



POORNIMA
COLLEGE OF ENGINEERING

THE INSTITUTION

Poornima College of Engineering (PCE), established as a brand of Technical Education in the year 2000, has its own glorious legacy of leading the young engineers to the mammoth sky of success. Its accomplishments forecast its journey through the hardships and its triumph over them one after another. PCE left no stone unturned since its establishment in turning the glorious vision into unbelievable reality providing the platform for knowledge and research and their practical implementations in different engineering professional prospects. Glorious glimpse of PCE:

- Highly recognized and renowned affiliated technical institution all over Rajasthan with built up area more than 3.5 lac square feet
- Affiliated to RTU, Kota & approved by AICTE, New Delhi
- The most preferred NBA Accredited Engineering College with running of six specializations of Engineering at UG Level (CSE, ECE, EE, ME, IT, CIV) and two PG level (CS & VLSI)
- The only institution permitted by RTU to admit FNPIQ/Gulf students & designated as centre of excellence by IBM
- An excellent institution building its rapport in all sectors of education, research and development

THE DEPARTMENT

The Department of Electronics and Communication Engineering (ECE) was established in year 2003. National Board of Accreditation (NBA) accredited the ECE department in the year 2009, 2016 & 2018 for subsequent three years. It has intake capacity of 180. It also offers M. tech in VLSI Design with intake capacity of 18 students. The department has highly qualified committed and research oriented faculty members. The department has laboratories as per Rajasthan Technical University Syllabus with State-of-the-Art facilities in diversified fields such as Electronic Circuits, VLSI Design, DSP (Digital signal processing), Embedded Systems, Advanced Wireless Communication and Microwave etc. Research is being carried out in the areas of Antenna Design and Wireless Communication, and VLSI design. The department also has to his credit three labs, (i) Microwave Engineering lab & (ii) Advance Antenna & Wireless Communication lab (iii) Advancement of Wireless and Optical Fiber Lab supported by MODROBS Grants of AICTE, New Delhi.

ISTE Student Forum (ISF) of the Department has been recognized as Most Active ISF for session 2016-17 by ISTE Rajasthan Center, Jaipur. The department also has state of the art lab facility for the value added IBM Career Education Programs for faculty members and students on emerging technologies such as IBM BlueMix for Cloud, IBM Cognos for Business Intelligence and IoT Application Development & Deployment using IBM BlueMix.

ABOUT CENTRE OF EXCELLENCE AI & BIG DATA

The creation of Centre of Excellence aims at building the workforce where each participant will learn about the principles of Artificial Intelligence, Machine Learning, AI programming using Python, Artificial Neural Network, Natural Language Processing with Lab, Computer Vision, Deep Learning, Intelligent Process Automation and many more. Some features are as following:

- Semester long internships at industry partners
- Online certification program
- Industry academia interactions on a regular basis
- Faculty Training and certification courses
- Student projects with beyond syllabus concept-project every semester
- Faculty members pursuing research projects, sponsored research and other works in AI & Big Data utilizing above resources.
- Conducting Workshops, Seminars, FDPs, Training for external students and faculty members in AI & Big Data.

AICTE

AICTE All India Council for Technical Education (AICTE) was setup in November 1945 as a national level Apex Advisory Body to conduct survey on the facilities on technical education and to promote development in the country in a coordinated and integrated manner. And to ensure the same, as stipulated in the National Policy of Education (1986), AICTE is bestowed with statutory authority for planning, formulation and maintenance of standards and norms, quality assurance through accreditation, funding in priority areas, monitoring and evaluation, maintaining parity of certification and awards and ensuring coordinated and integrated development and management of technical education in the country.



ISTE

The Indian Society for Technical Education (ISTE) is the leading National Professional Non-Profit, making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. The major objective of the ISTE are:



- Providing quality training programmes to teachers and administrators of technical institutions to update their knowledge and skills in their fields of activity.
- To assist and contribute in the production and development of top quality professional engineers and technicians needed by the industry and other organizations.
- Providing guidance and training to students to develop better learning skills and personality.

ABOUT THE PROGRAM

This multidisciplinary online faculty development program is being organized as an effort to inculcate scientific temper and to popularize the benefits of scientific knowledge and its practical application among the faculty members, general public and scientific institutions.

COURSE OBJECTIVE

Nowadays, large amount of data is available everywhere. Therefore, it is very important to analyze this data in order to extract some useful information and to develop an algorithm based on this analysis. This can be achieved through AI in NOMASIGN networks. Mobile Communication is an integral part of artificial intelligence, which is used to design algorithms based on the data trends and historical relationships between data. AI is used in various fields such as bioinformatics, intrusion detection, information retrieval, game playing, marketing, malware detection, image deconvolution and so on.

REGISTRATION FEE

There is no registration fee for the program. Preference will be given to ISTE members.

RESOURCE PERSONS

Resource Persons are experts from IITs/ NITs/ Industries/ Universities and Institutes of repute.

ELIGIBILITY

The program is open to all members of AICTE/UGC affiliated Institutes/Universities i.e. Faculty Members, Research Scholars.

SELECTION AND CERTIFICATION CRITERIA

Selection will be done based on first-cum-first-serve basis and the confirmed candidate will be notified on receipt of registration form latest by 15th December 2021. Attendance of 80% and score of minimum 60% marks in the tests compulsory for certification.
Important Date: Last date for submission of application - Dec. 10, 2021

HOW TO APPLY

The course is free of cost for eligible candidates. The participants have to submit duly filled registration form which is available on the link provided below on or before 10th December 2021. <https://tinyurl.com/3mjpzux9>

GUIDELINES

Coordinator decision will be final regarding the selection of participants. The certificates shall be issued to those participants who are registered on <https://tinyurl.com/3mjpzux9> and attend the program with minimum 80% attendance and score minimum 60% marks in the test.

Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RIICO Institutional Area
Sitapura, JAIPUR

♦ PROGRAM SCHEDULE:



POORNIMA
COLLEGE OF ENGINEERING



Affiliated to RTU, Kota Approved by AICTE & UGC under 2(f) Accredited by NBA
Department of Electronics & Communication Engineering

AICTE-ISTE Refresher Program on Artificial Intelligence in Cooperative Noma (5G) Network from December 21-27, 2021

	10:00 AM-10:30 AM	Session I- 10:30 AM – 12:00 Noon	Session II- 12:30 PM - 02:00 PM	Session III- 02:30 PM 04:00 PM	04:00 PM- 04:15 PM
Tuesday (21.10.21)	Inaugural Session Chief Guest: Dr. Pratapsinh Kakaso Desai, President, ISTE, New Delhi Guest of Honour: Prof. R. P. Yadav, Professor-HAG, MNIT Jaipur	5G Technology and Cooperative Relay in NOMA System Prof. R. P. Yadav, Professor-HAG, MNIT Jaipur	Advanced Optical Networks for 5G & Beyond Dr. Amit Kumar Garg, Assistant Professor, IIT Kota	Data in AI Networks: Applications & Algorithms Prof. Nidhi Goel, Professor & Head, IGDUTW, New Delhi	EXAM
		Session I- 09:30AM - 11:00 AM	Session II- 11.30AM – 01:00 PM	Session III- 01:30 PM – 03:00 PM	03:15 PM- 03:30 PM
Wednesday (22.10.21)		Introduction to NOMA in Beyond 5G Networks Dr. Vimal Bhatia, Professor, IIT Indore	Role of AI in Cooperative 5G Network Dr. M. Lakshmi, Professor, SRM Institute of Science and Technology, Tamil Nadu	Hybrid Beamforming & NOMA for mmWave Communication in 5G Dr. Neelakandan Rajamohan, Assistant Professor, IIT Goa	EXAM
Thursday (23.10.21)		Cache-Aided NOMA Networks Dr. Aniruddha Chandra, Associate Professor, NIT Durgapur	Enabling Technologies for 5G Dr. Preetam Kumar, Associate Professor, IIT, Patna	National Education Policy-2020 Prof. Rajeevan Chandel, Professor, NIT, Hamirpur	EXAM
Friday (24.10.21)		Spectral Efficient Channel Estimation Schemes for OTFS Based 6G Wireless Communication Systems Dr. Himanshu B. Mishra, Assistant Professor, IIT Dhanbad	Artificial Intelligence and Machine Learning Dr. Priti Srinivas Sajja, Professor, Sardar Patel University, Vallabh Vidyanagar, Gujarat	How to Hustle without Hassle Mukesh Kulothia, Founder & Director, Muskarado.com	EXAM
Saturday (25.12.21)		5G Antennas Design Dr. Mithilesh Kumar, Professor, RTU, Kota	Role of Artificial Intelligence & Network Communication in Digitization: Digital India Perspective Dr. Sandeep Kumar, Associate Professor, IIT Roorkee	Power BI: Overview & Hands-On Power BI Divya Mathur, Faculty Trainer, AmazeHeads, Mumbai	EXAM
		Session I- 09:30AM - 11:00 AM	Session II- 11.30AM – 01:00 PM	02:00 PM - 02:30 PM	02:30 PM- 03:30 PM
Monday (27.12.21)		Artificial Intelligence in Health Care Prof. Prashant K. Jamwal, Associate Professor, Nazarbayev University (NU), Astana, Kazakhstan.	6G Vision, Potential Technologies, & Challenges Dr. Rahul Pandya, Assistant Professor, IIT Dharwad	Valedictory Session (Followed by Exam) Chief Guest: Prof. Vijay D. Vaidya, Executive Secretary, ISTE, New Delhi	EXAM


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RICO Institutional Area
Sitapura, JAIPUR

♦ INAUGURAL SESSION:



AICTE-ISTE
One week Online Refresher Program
On
Artificial Intelligence in Cooperative Noma (5G) Network
December 21 - 27, 2021

Date: December 21, 2021

Time: 10:00 AM- 10:30 AM

Venue: Online- Program URL: <https://tinyurl.com/2y9wzky>

S. No	Activity	Duration	Time
1.	Welcome of Dignitaries and Introduction of Refresher Program by Dr. Anila Dhingra , Associate Professor ECE,PCE <ul style="list-style-type: none">• Dr. Pratapsinh Kakaso Desai, President, ISTE, NewDelhi (Chief Guest)• Prof. R. P. Yadav, Professor-HAG, MNIT Jaipur (Guest of Honor) <ul style="list-style-type: none">• Ar. Rahul Singhi, Director, Poornima Group• Dr. Mahesh Bunde, Director & Principal, PCE• Mr. Pankaj Dhemla, Vice Principal, PCE	02 Min	10:00 AM-10:02 AM
2.	e-Felicitation of Chief Guest & Guest of Honor with Welcome Address by Dr. Mahesh Bunde , Director &Principal, PCE	05 Min	10:02 AM-10:06 AM
3.	Motivational Words by Ar. Rahul Singhi , Director, Poornima Group	05 Min	10:06 AM-10:11 AM
4.	Address by Guest of Honor Prof. R. P. Yadav , Professor-HAG, MNIT Jaipur	06 Min	10:11 AM-10:17 AM
5.	Inaugural Address by Chief Guest Dr. Pratapsinh Kakaso Desai , President, ISTE, New Delhi	10 Min	10:17 AM-10:27 AM
6.	Vote of Thanks by Dr. Garima Mathur , Head & Professor, ECE, PCE	02 Min	10:27 AM-10:29 AM
7.	Group Photograph of Dignitaries -Virtual	01 Min	10:29 AM-10:30 AM


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-0, RICO Institutional Area
Sitapura, JAIPUR

♦ DETAILS OF RESOURCE PERSONS:



POORNIMA
COLLEGE OF ENGINEERING



Affiliated to RTU, Kota Approved by AICTE & UGC under 2(f) Accredited by NBA
Department of Electronics & Communication Engineering

AICTE-ISTE Refresher Program on Artificial Intelligence in Cooperative Noma (5G) Network from December 21-27, 2021

	10:00 AM-10:30 AM	Session I- 10:30 AM – 12:00 Noon	Session II- 12:30 PM - 02:00 PM	Session III- 02:30 PM 04:00 PM	04:00 PM-04:15 PM
Tuesday (21.10.21)	Inaugural Session Chief Guest: Dr. Pratapsinh Kakaso Desai, President, ISTE, New Delhi Guest of Honour: Prof. R. P. Yadav, Professor-HAG, MNIT Jaipur	5G Technology and Cooperative Relay in NOMA System Prof. R. P. Yadav, Professor-HAG, MNIT Jaipur	Advanced Optical Networks for 5G & Beyond Dr. Amit Kumar Garg, Assistant Professor, IIIT Kota	Data in AI Networks: Applications & Algorithms Prof. Nidhi Goel, Professor & Head, IGDUTW, New Delhi	EXAM
		Session I- 09:30AM - 11:00 AM	Session II- 11:30AM – 01:00 PM	Session III- 01:30 PM – 03:00 PM	03:15 PM-03:30 PM
Wednesday (22.10.21)		Introduction to NOMA in Beyond 5G Networks Dr. Vimal Bhatia, Professor, IIT Indore	Role of AI in Cooperative 5G Network Dr. M. Lakshmi, Professor, SRM Institute of Science and Technology, Tamil Nadu	Hybrid Beamforming & NOMA for mmWave Communication in 5G Dr. Neelakandan Rajamohan, Assistant Professor, IIT Goa	EXAM
Thursday (23.10.21)		Cache-Aided NOMA Networks Dr. Aniruddha Chandra, Associate Professor, NIT Durgapur	Enabling Technologies for 5G Dr. Preetam Kumar, Associate Professor, IIT, Patna	National Education Policy-2020 Prof. Rajeevan Chandel, Professor, NIT, Hamirpur	EXAM
Friday (24.10.21)		Spectral Efficient Channel Estimation Schemes for OTFS Based 6G Wireless Communication Systems Dr. Himanshu B. Mishra, Assistant Professor, IIT Dhanbad	Artificial Intelligence and Machine Learning Dr. Priti Srinivas Sajja, Professor, Sardar Patel University, Vallabh Vidyanagar, Gujarat	How to Hustle without Hassle Mukesh Kulothia, Founder & Director, Muskarado.com	EXAM
Saturday (25.12.21)		5G Antennas Design Dr. Mithilesh Kumar, Professor, RTU, Kota	Role of Artificial Intelligence & Network Communication in Digitization: Digital India Perspective Dr. Sandeep Kumar, Associate Professor, IIT Roorkee	Power BI: Overview & Hands-On Power BI Divya Mathur, Faculty Trainer, AmazeHeads, Mumbai	EXAM
		Session I- 09:30AM - 11:00 AM	Session II- 11:30AM – 01:00 PM	02:00 PM - 02:30 PM	02:30 PM-03:30 PM
Monday (27.12.21)		Artificial Intelligence in Health Care Prof. Prashant K. Jamwal, Associate Professor, Nazarbayev University (NU), Astana, Kazakhstan.	6G Vision, Potential Technologies, & Challenges Dr. Rahul Pandya, Assistant Professor, IIT Dharwad	Valedictory Session (Followed by Exam) Chief Guest: Prof. Vijay D. Vaidya, Executive Secretary, ISTE, New Delhi	EXAM

Inaugural Ceremony

Department of Electronics & Communication Engineering, Poornima College of Engineering, Jaipur organized one week AICTE- ISTE Online Refresher program on “Artificial Intelligence in Cooperative Noma (5G) Network” from December 21-27, 2021 in three sessions daily through online mode.

The objective of this refresher program is intended to impart knowledge and training on the fundamentals of AI & wireless Communication, its use in various domains viz medical, agricultural, public sector etc. On 21st December program was inaugurated by Chief Guest Dr. Pratapsinh Kakaso Desai, President, ISTE, New Delhi. Prof. R. P. Yadav, Professor-HAG, MNIT Jaipur was Guest of Honor of the program. Architect, Rahul singhi, Director. Poornima Group, Dr. Mahesh M. Bundeale, Director, PCE, Er. Pankaj Dheemla, Vice Principal, PCE and Dr. Garima Mathur, HOD, department of Electronics & Communication Engineering, PCE also graced the program. In this program more than 200 faculties from all over India got registered. 17 Technical Sessions were scheduled.

Dr. Mahesh Bundeale
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-06, RIIICO Institutional Area
Sitapura, JAIPUR

Eminent speakers from all over India gave their knowledge on the upcoming topics like 5G Technology and Cooperative Relay in NOMA System, Role of AI in Cooperative 5G Network, Enabling Technologies for 5G etc. Speakers also shared their thoughts that Artificial Intelligence research is leading to evolve in the area of Machine Learning, Deep Learning applications in Healthcare, Agriculture, Business and Security etc. AI is an emerging technology that shall be used almost all applications / technologies/ systems in one or other form.

Felicitation of Dignitaries

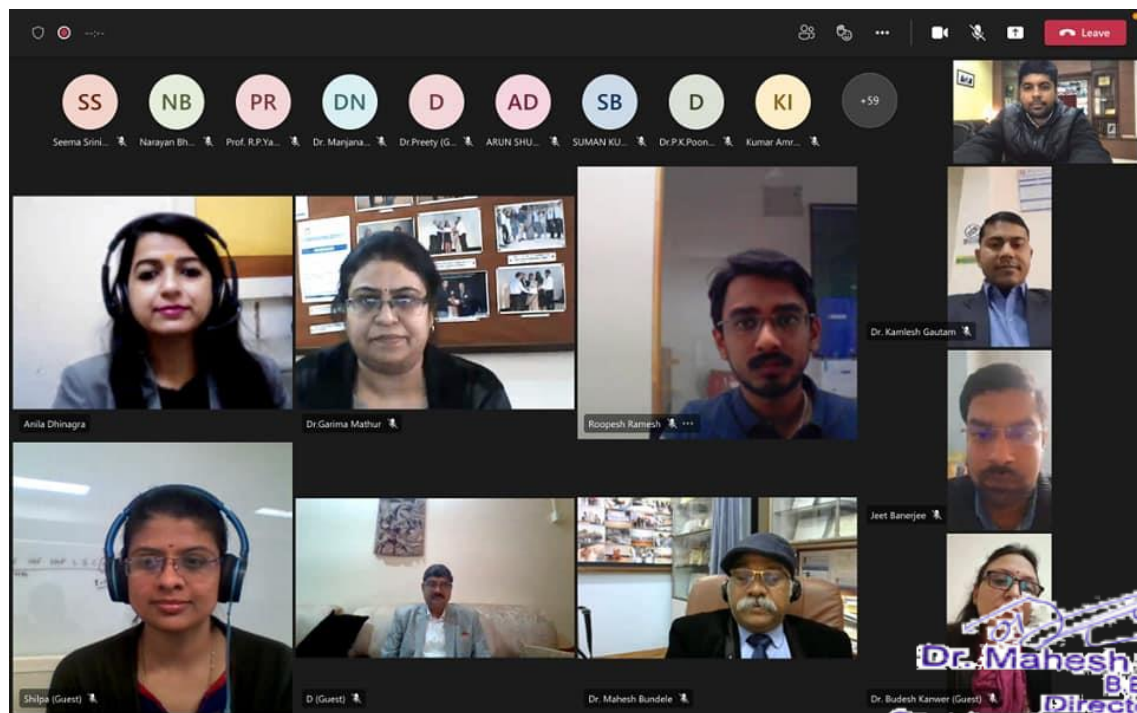


Felicitation of Chief Guest Prof. Dr. Pratapsinh Kaka Sahib Desai by Dr. Mahesh Bundeale



Felicitation of Guest of Honour Dr. R.P. Yadav by Dr. Mahesh Bundeale

Group Photograph



Day-1 21, December, 2021

Session -1

Title: 5G Technology and Cooperative Relay in NOMA System.

Speaker: Dr. R. P. Yadav, Professor-HAG, MNIT Jaipur.

The screenshot shows a Zoom meeting interface. The top bar includes a 'Leave' button and icons for chat, video, and audio. Below the bar, a row of participant avatars is visible, including JB, SS, PR, DB, S, and AD. The main window displays a PowerPoint presentation titled 'NOMA Based on Code Domain Multiplexing'. The slide content is as follows:

NOMA Based on Code Domain Multiplexing

Sparse Code Multiple Access

- Specifically, an N -dimensional complex constellation with M points (which is called the mother constellation) is first optimized to improve the shaping gain, and then some codebook-specific operations are performed to the mother constellation to generate the N -dimensional constellation for each codebook.
- Three typical operations are phase rotation, complex conjugate, and dimensional permutation of the constellation.
- In the generated N -dimensional constellations after codebook-specific operations, each N -dimensional constellation point is multiplied with a projection matrix to generate a K -dimensional codeword ($K \gg N$), which has N non-zero elements from the components of the N -dimensional constellation point. In this way, codebooks with M codewords can be obtained.

The right sidebar shows a list of participants, including Dr. Meenakshi Awasthi, Anila Dhinagra, AAHANA AWASTHI, Alamelu alias Rajasree S (Guest), Amit Kumar Jain, Antony Vijay J (Guest), Anupam Agrawal (Guest), and Anuradha sharma (Guest). The bottom status bar shows the time as 11:54 AM on 12/21/2021.

The screenshot shows a Zoom meeting interface, similar to the one above. The top bar includes a 'Leave' button and icons for chat, video, and audio. Below the bar, a row of participant avatars is visible, including JB, SS, PR, DB, S, and AD. The main window displays a PowerPoint presentation titled 'NOMA Based on Code Domain Multiplexing'. The slide content is as follows:

NOMA Based on Code Domain Multiplexing

Multi-User Shared Access

The slide features a diagram illustrating the multi-user shared access process. It shows a central 'Spreading' block connected to multiple 'User' blocks (User 1, User 2, User 3). Each user's symbols are spread by a specifically designed sequence. The spread symbols are then transmitted on some orthogonal resources. The diagram also shows a 'Spreading' block connected to a 'User' block, with a note indicating that each user's symbols are spread by a specifically designed sequence.

The right sidebar shows a list of participants, including Dr. Meenakshi Awasthi, Anila Dhinagra, AAHANA AWASTHI, Alamelu alias Rajasree S (Guest), Amit Kumar Jain, Antony Vijay J (Guest), Anupam Agrawal (Guest), and Anuradha sharma (Guest). The bottom status bar shows the time as 11:56 AM on 12/21/2021.

Day-1 21, December, 2021

Session-2

Title: Spectral Efficient Channel Estimation Schemes for OTFS Based 6G Wireless Communication Systems.

Speaker: Dr. Himanshu Bhusan Mishra, Assistant Professor, IIT Dhanbad.

Day-1 21, December, 2021

Session -3

Title: Data in AI Networks: Applications & Algorithms.

Speaker: Prof. Nidhi Goel, Professor and Head, Indira Gandhi Delhi Technical University

The image displays two screenshots of a Zoom meeting interface. The top screenshot shows the title slide of a presentation titled "AICTE-ISTE Refresher Program on Artificial Intelligence in Cooperative Noma (5G) Network" with an invited talk by Prof. Nidhi Goel, Department of E & C Engineering, Indira Gandhi Delhi Technical University for Women. The bottom screenshot shows a slide titled "Data Everywhere" with three bullet points:

- "Data is the new Oil, AI is the New Electricity, who is building the New Railroads?" – Andrew Ng.
- "Data is the new oil. It's valuable, but if unrefined it cannot really be used. It has to be changed into gas, plastic, chemicals, etc to create a valuable entity that drives profitable activity; so must data be broken down, analyzed for it to have value." — Clive Humby, 2006.
- "Information is the oil of the 21st century, and data analytics and AI are the combustion engine." — Peter Sondergaard, 2011

Day-2 22, December, 2021

Session -1

Title: Introduction to NOMA in Beyond 5G Networks.

Speaker: Dr. Vimal Bhatia, Professor, IIT Indore

Group Highlights

The SaSg research group is actively involved in R&D on:

- Performance Analysis of Beyond 5G Communication
- Adaptive/Machine/Deep Learning Algorithms for 6G and Biological Applications
- OFDM, MIMO, NOMA, Cognitive Radio
- Visible Light Communications for 5/6G and Beyond Networks
- Optical and Quantum Networks
- RADAR Signal Processing
- Solutions for Industry and Defence

Active collaborations with researchers from the UK, Ireland, Norway, Finland, Canada, South Africa, and US. External funding from DST, MeitY, UKIERI, AKA-Finland, IUSSTF and MHRD as PI/Co-PI/Coordinator 18 Crores. Currently executing projects with US (Quantum), UK (Wireless/Machine Learning), and Finland (Wireless)

- Peer-reviewed Journal: 138 (75+ IEEE and 26 IEEE Transactions)
- Peer-reviewed Conferences: 165
- Patents Filed: 13 (4 Granted)
- Book Chapters: 10
- 15 PhD thesis submitted
- Awards: Best conference papers (Lt Col. Siddharth Shukla, Anuj, Praveen and Upama) . Former PhD student from Military College of Telecom. Engg., faculties at IIT/NIT/IIT, and post-doc in UK/EU/Canada/Australia.

Research Pre- and Post-distorter for Visible Light Communication Systems

VLC to TV
VLC to PC (Internet)
VLC to Phone

Fig. 1. Performance comparison for 4-PAM in open office scenario

Fig. 2. Performance comparison for 4-PAM in office with reflective scenario

R. Mitra and V. Bhatia, "Pre-coded Chebyshev-NLMS based pre-distorter for nonlinear LED compensation in NOMA-VLC", IEEE Transactions on Communications, 2017.

R. Mitra and V. Bhatia, "Low complexity post-distorter for visible light communications", IEEE Communications Letters, 2017.

R. Mitra and V. Bhatia, "Unsupervised Multi-Stage Clustering based Hammerstein post-distortion for VLC", IEEE Photonics Journal, 2016.

R. Mitra and V. Bhatia, "Adaptive Sparse Dictionary Based Kernel Minimum Symbol Error Rate Post-Distortion for Nonlinear LEDs in Visible Light Communications", IEEE Photonics Journal, 2016.

R. Mitra and V. Bhatia, "Chebyshev polynomial based adaptive pre-distorter for nonlinear LED compensation in VLC", IEEE Photonics Technology Letters, 2016.

Day-2 22, December, 2021

Session -2

Title: Role of AI in Cooperative 5G Network.

Speaker: Dr. M. Lakshmi, Professor, SRM Institute of Science and Technology

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Big data as prerequisite for integrating AI in mobile networks". The slide content includes:

- The integration of intelligent algorithms and learning approaches requires the availability of big data sets, which represent the starting point.
- Classification of different big data sources - three pools of big data sets: general wireless data, social network-aware data, social data and cloud data

The slide footer reads "Role of AI in 5G networks" and "22-12-2021 17". The Zoom interface shows a top bar with "General", "Request control", and a "Leave" button. Below the top bar is a row of participant avatars: Dr. Garima, KK, DL, N, BO, MS, +58, and AD. On the right, the "Participants" panel lists 65 participants, including Anila Dhinagra, Tanuja Pande (Guest), Deepa Narayanasamy (Guest), Aarti Karande (Guest), Alamelu alias Rajasree S (Guest), Antony Vijay J (Guest), Anupam Agrawal (Guest), Anuradha sharma (Guest), and Anushka Kadage. The bottom of the screen shows a Windows taskbar with various application icons and a system clock showing 12:12 PM on 12/22/2021.

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Classes of big data in mobile network and their applications". The slide content includes a diagram illustrating the classes of big data and their applications:

- Broadband Access** and **Massive Connectivity** lead to **M2M Communication**, which causes **Social Data**. This data is derived from a **Radio Spectrum Map** and applied to **Proactive Resource Allocation** and **Wireless Security Surveillance**.
- Social Media** and **Streaming Media** lead to **Mobile social network**, which causes **Social context and Preference**. This data is derived from **Mobile social network** and applied to **Niche Market advertisement** and **User behavior Prediction**.
- P2P Download** and **Streaming Media** lead to **Cloud file Storage**, which causes **Cloud Data**. This data is derived from **Content Preference Distribution** and applied to **Wireless Caching** and **Content-oriented handover**.

The slide footer reads "Role of AI in 5G networks" and "22-12-2021 18". The Zoom interface shows a top bar with "General", "Request control", and a "Leave" button. Below the top bar is a row of participant avatars: Dr. Garima, KK, DL, N, BO, MS, +58, and AD. On the right, the "Participants" panel lists 65 participants, including Anila Dhinagra, Tanuja Pande (Guest), Deepa Narayanasamy (Guest), Aarti Karande (Guest), Alamelu alias Rajasree S (Guest), Antony Vijay J (Guest), Anupam Agrawal (Guest), Anuradha sharma (Guest), and Anushka Kadage. The bottom of the screen shows a Windows taskbar with various application icons and a system clock showing 12:13 PM on 12/22/2021.

Day-2 22, December, 2021

Session -3

Title: Hybrid Beam forming and NOMA for mm Wave Communication in 5G

Speaker: Dr. Neelakandan Raja Mohan, IIT Goa

General

Request control

Participants

Type a name

Share invite

In this meeting (53)

Mute all

Anila Dhinagra

Deepa Narayanasamy (Guest)

Alamelu alias Rajasree S (Guest)

Antony Vijay J (Guest)

Anupam Agrawal (Guest)

Anuradha sharma (Guest)

Anushka Kadage

B. Kursheed

BEENA A. O. (Guest)

SPATIAL MODULATION, BEAMFORMING AND NOMA IN 5G COMMUNICATION

Dr. Neelakandan R

School of Electrical Sciences
Indian Institute of Technology, Goa

December 22, 2021

General

Request control

Participants

Type a name

Share invite

In this meeting (53)

Mute all

Anila Dhinagra

Deepa Narayanasamy (Guest)

Alamelu alias Rajasree S (Guest)

Antony Vijay J (Guest)

Anupam Agrawal (Guest)

Anuradha sharma (Guest)

Anushka Kadage

B. Kursheed

BEENA A. O. (Guest)

CAPACITY IMPROVEMENT TECHNOLOGIES IN 5G

Required Capacity in 5G

Current Capacity

Transmission Bandwidth

Spectral Efficiency

- Massive MIMO Techniques
- Non-Orthogonal Multiple Access

Frequency Reuse

- Interference Cancellation
- Cooperation
- Connecting Massive Devices
- Traffic Load Prediction

- Ultra-Wide Band
- mmWave Communications
- Cognitive Radio

Day-3 23, December, 2021

Session -1

Title: Cache-Aided NOMA Networks

Speaker: Dr. Aniruddha Chandra, Associate Professor, NIT Durgapur

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "AI in Cooperative NOMA (5G) Network" and "Cache-aided NOMA Networks" by Aniruddha Chandra, Associate Professor, Electronics & Communication Engineering Department, National Institute of Technology, Durgapur. The slide includes logos of NIT Durgapur and a green footer with the text "NIT Durgapur". The Zoom window shows three participants in the top bar: a man, a woman, and a man with a microphone icon. The right sidebar shows a list of participants, including MANDAVA VENKATA SUBBA..., Mangal Singh, Manisha Kumawat, Mayank Sharma, Mohit Bajpai, Mr. SAI SUDHEER KOTTA (Gu...), mukesh chand (Guest), Narayan Bhadaniya (Guest), NV (Guest), and Pooja Chaturvedi (Guest). The bottom status bar shows the time as 11:42 and the date as 12/23/2021.

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "Multiple Access" with diagrams for FDMA, TDMA, OFDMA, and CDMA. The diagrams show frequency and time allocation for each access method. The Zoom window shows three participants in the top bar: a man, a woman, and a man with a microphone icon. The right sidebar shows a list of participants, including Anila Dhinagra, Alamelu alias Rajasree S (Gue...), Aniruddha Chandra, Antony Vijay J (Guest), Dr. Payal Bansal, ARUN SHUNMUGAM D (Guest), Dr. Payal Bansal, Dipra Mitra, Dr. Payal Bansal, Dr. Amrita rai (Guest), Dr. Payal Bansal, Dr. Kamlesh Gautam (Guest), and Dr. Meenakshi Awasthi (Guest). The bottom status bar shows the time as 18:52 and the date as 12/23/2021.

Day-3 23, December, 2021

Session -2

Title: Enabling Technologies for 5G.

Speaker: Dr. Preetam Kumar, Associate Professor, IIT Patna

The screenshot shows a Zoom meeting window. At the top, the title bar reads 'General'. Below it, there's a 'Request control' button and a 'Leave' button. The main area displays a presentation slide titled 'Enabling Technologies for 5G'. The slide content includes: 'AICTE-ISTE Refresher Program on Artificial Intelligence in Cooperative Noma (5G) Network, December 21-27, 2021', 'POORNIMA COLLEGE OF ENGINEERING', and 'Dr. Preetam Kumar, Associate Professor, Indian Institute of Technology Patna'. The slide is presented by 'Preetam Kumar'. On the right side, there's a list of participants: Anila Dhinagra, Alamelu alias Rajasree S (Guest), Antony Vijay J (Guest), Anupam Agrawal (Guest), ARUN SHUNMUGAM D (Guest), B. Kursheed, BEENA A. O. (Guest), Dipra Mitra, Dr. Amrita rai (Guest), Dr. Budesh Karwer (Guest), and Dr. Kamlesh Gautam (Guest). The bottom status bar shows the time as 11:38 AM on 12/23/2021.

The screenshot shows a Zoom meeting window. At the top, the title bar reads 'General'. Below it, there's a 'Request control' button and a 'Leave' button. The main area displays a presentation slide titled 'Introduction'. The slide content includes: 'Evolution of Wireless Cellular Communication', a graph showing 'Mobility/Coverage' vs 'Data Rate' with various network technologies (2G, 3G, 4G, 5G) plotted, and 'Indian Institute of Technology Patna'. The slide is presented by 'Preetam Kumar'. On the right side, there's a list of participants: Anila Dhinagra, Alamelu alias Rajasree S (Guest), Antony Vijay J (Guest), Anupam Agrawal (Guest), Anuradha sharma (Guest), ARUN SHUNMUGAM D (Guest), B. Kursheed, BEENA A. O. (Guest), Dipra Mitra, Dr. Amrita rai (Guest), Dr. Budesh Karwer (Guest), and Dr. Kamlesh Gautam (Guest). The bottom status bar shows the time as 11:39 AM on 12/23/2021.

Day-3 23, December, 2021

Session -3

Title: National Education Policy-2020

Speaker: Prof. Rajeev a Chandel, Professor from NIT Hamirpur

The screenshot shows a Zoom meeting in progress. The main window displays a presentation slide titled "National Education Policy-2020" with the subtitle "NEP-2020 in Engineering Education - Reforms, Impact & Some Case Studies". The speaker is identified as "Dr. (Mrs.) Rajeevan Chandel, Professor" from the "Electronics & Communication Engg. Dept., National Institute of Technology Hamirpur HP". The slide also mentions a program organized by DCEG, Poornima College of Engineering, Jaipur, Rajasthan, on 23rd Dec 2021 at 2:30pm. The Zoom interface shows several participants in the top bar, including "Dr B GAYATRI" and "+45". The right sidebar lists 49 participants, including "Anila Dhinagra", "Antony Vijay J (Guest)", "Anupam Agrawal (Guest)", "Anuradha sharma (Guest)", "ARUN SHUNMUGAM D (Guest)", "BEENA A. O. (Guest)", "Dipra Mitra", "Dr B GAYATHRI (Guest)", and "Dr. Budesh Kanwer (Guest)".

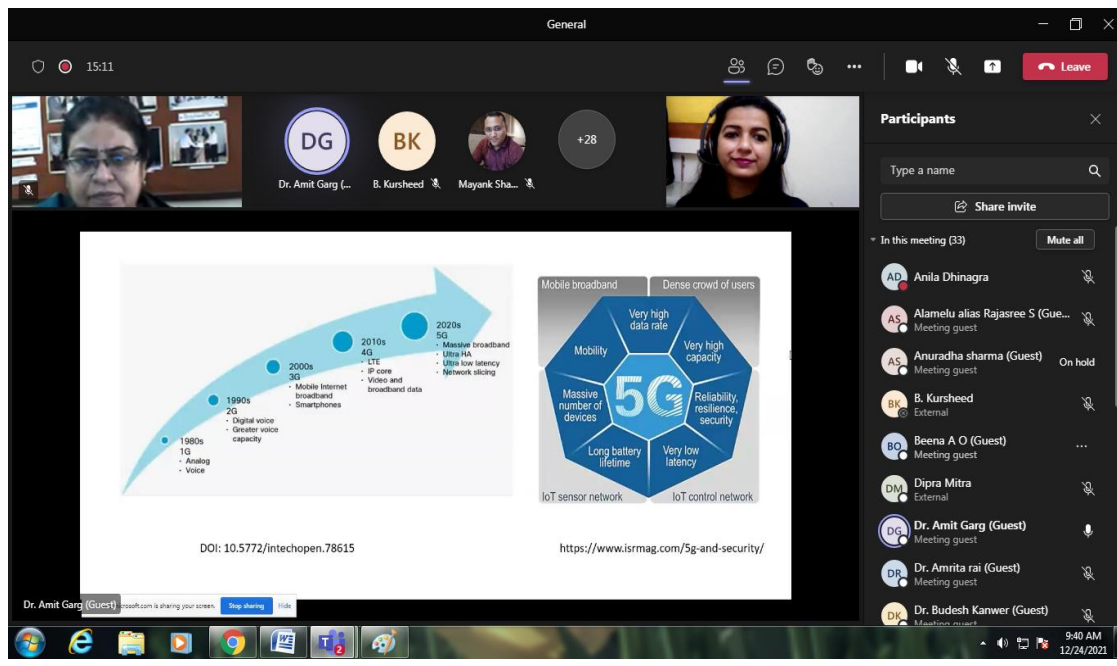
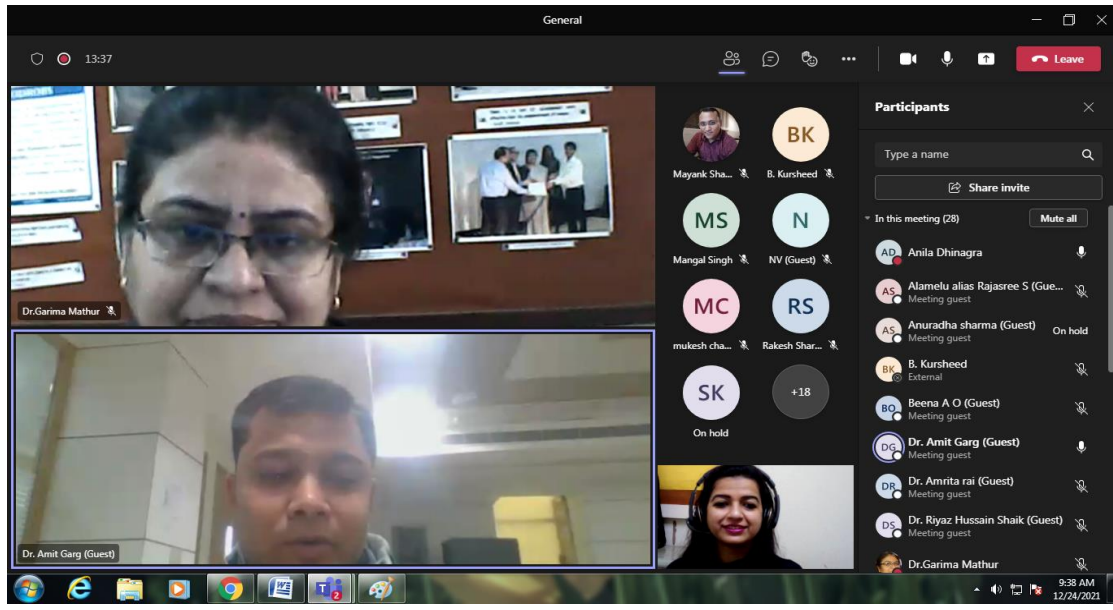
The screenshot shows a Zoom meeting in progress with a grid view of participants. The grid includes "Dr. Rajeevan Chandel", "uday kumar", "Dr. Meenakshi Awasthi (Guest)", "Dr. Garima Mathur", "ARUN SHUNMUGAM D (Guest)", "SNEHAL PATIL (Guest)", "Tanuja Pande (Guest)", "poonam gadge (Guest)", "SONU KUMAR (Guest)", and "Dr. Budesh Kanwer (Guest)". The right sidebar lists 63 participants, including "Anila Dhinagra", "Tanuja Pande (Guest)", "Alamelu alias Rajasree S (Guest)", "Antony Vijay (Guest)", "Antony Vijay J (Guest)", "Anuradha sharma (Guest)", "ARUN SHUNMUGAM D (Guest)", "BEENA A. O. (Guest)", and "Deepa Yerolkar (Guest)".

Day-4 24, December, 2021

Session -1

Title: Advanced Optical Networks for 5G and Beyond

Speaker: Dr. Amit Kumar Garg, Assistant Professor, IIIT Kota

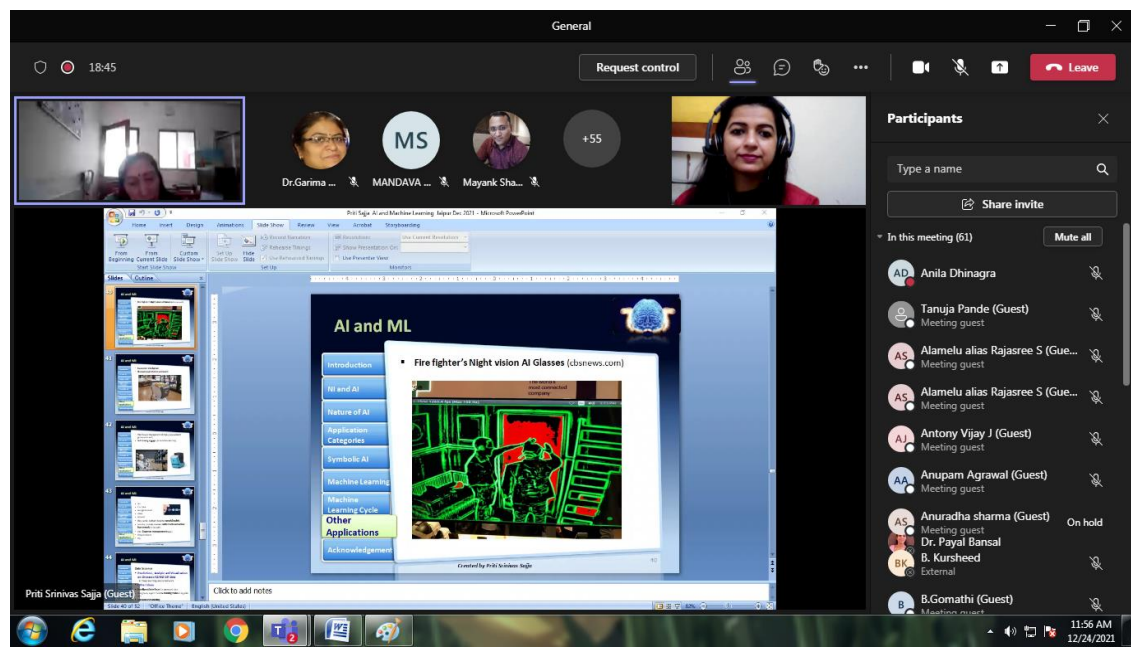
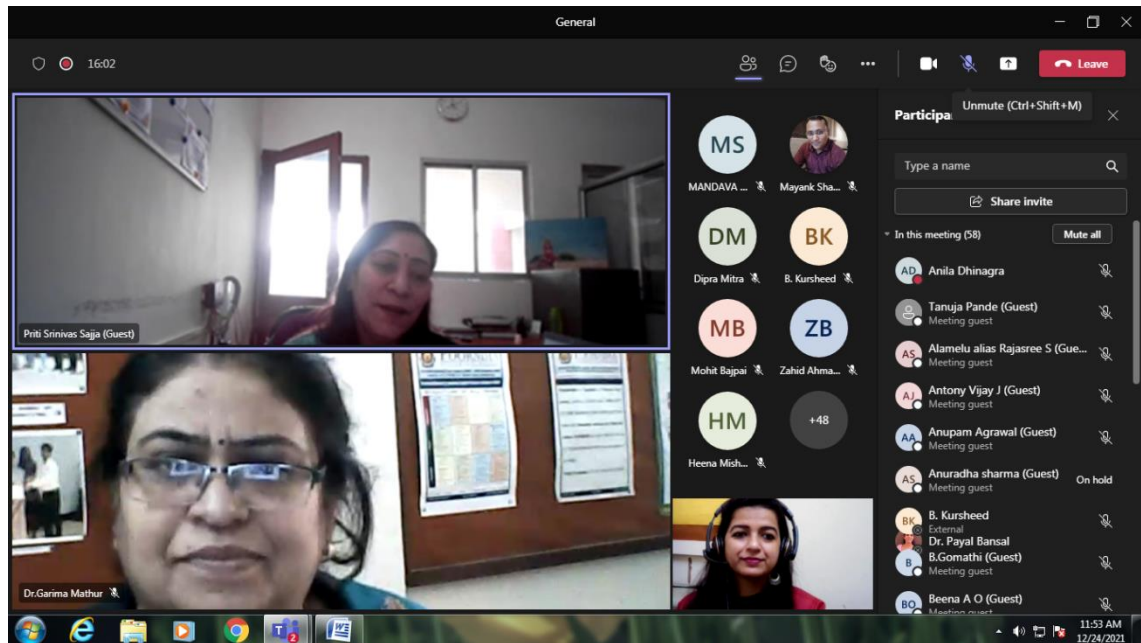


Day-4 24, December, 2021

Session -2

Title: Artificial Intelligence and Machine Learning.

Speaker: Dr. Priti Srinivas Sajja, Professor, Sardar Patel University

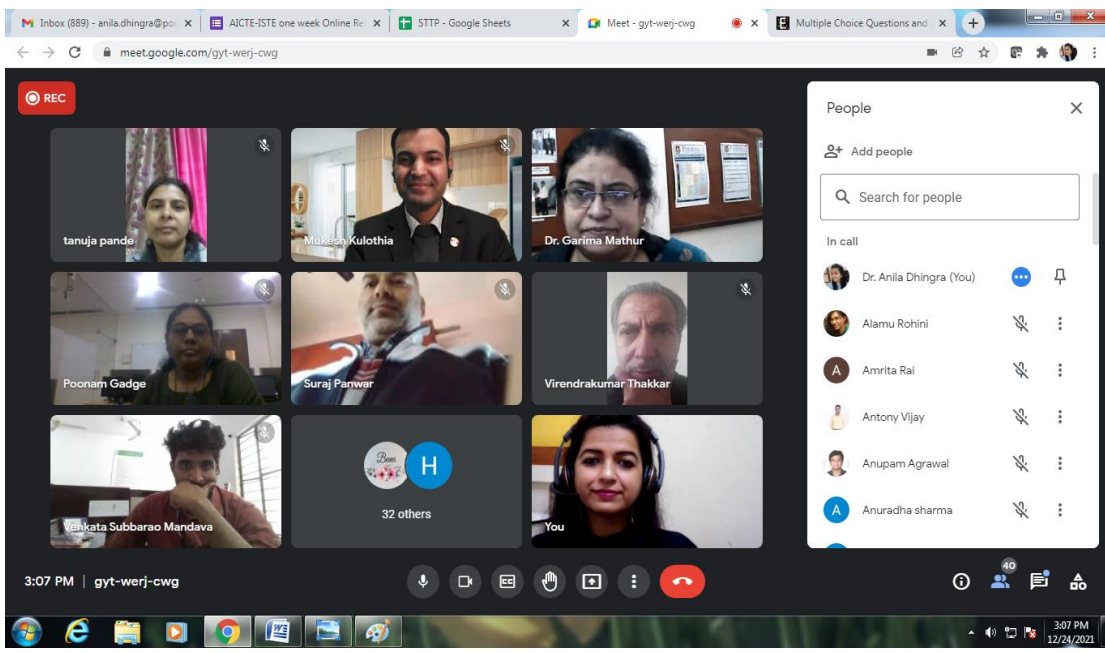
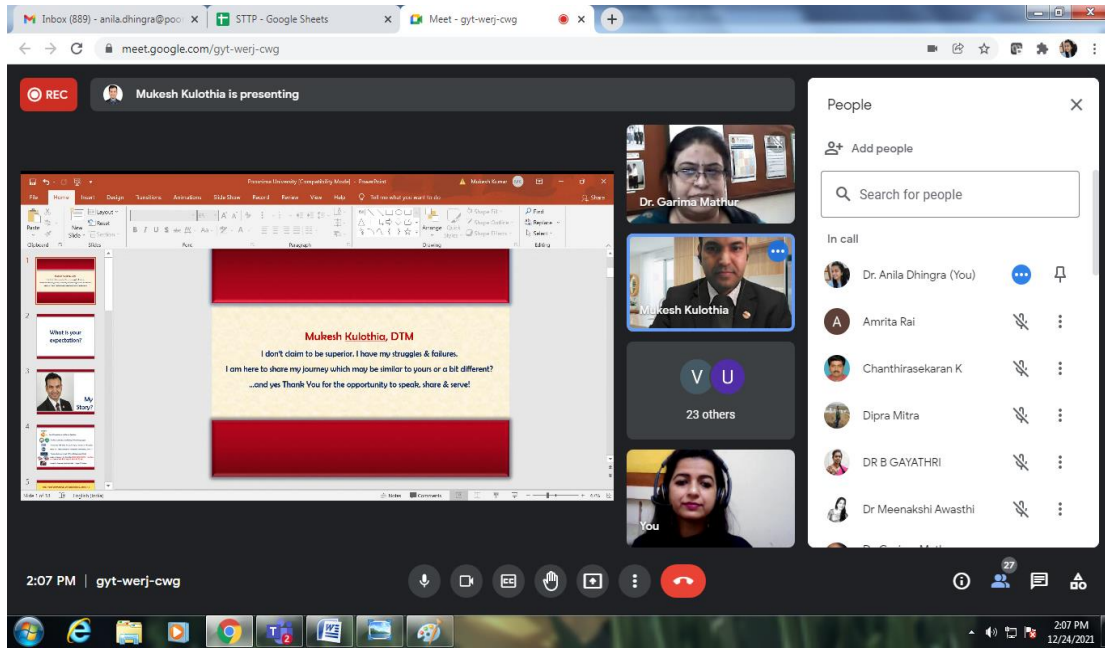


Day-4 24, December, 2021

Session -3

Title: How to Hustle without Hassle.

Speaker: Mr. Mukesh Kulothia, founder and Director from Muskurado.com



Day-5 25, December, 2021

Session -1

Title: 5G Antenna Design

Speaker: Dr. Mithilesh Kumar, Professor, RTU, Kota

The screenshot shows a Microsoft Teams meeting interface. The main window displays a presentation slide titled "Communication Technology" with the following bullet points:

- Communication Systems can be **Wired or Wireless** and the medium used for communication can be Guided or Unguided.
- In **Wired Communication**, the medium is a physical path like Co-axial Cables, Twisted Pair Cables and Optical Fiber Links etc.
- **Wireless Communication** doesn't require any physical medium but propagates the signal through space.

The slide footer indicates the date "25 December 2021" and the speaker "Mithilesh Kumar | Rail, Tech, Unlu, Kota". The right sidebar shows a list of participants under the heading "People", including Anila Dhinagra, Aarti Karande, Alamelu alias Rajasree S (Guest), Antony Vijay J (Guest), Anuradha sharma (Guest), ARUN SHUNMUGAM D (Guest), and BEENA AO EC. The bottom of the screen shows a row of participant avatars.

The screenshot shows a Microsoft Teams meeting interface with a video call in progress. The main window displays a grid of video feeds for several participants. The right sidebar shows a list of participants under the heading "People", including Anila Dhinagra, Tanuja Pande (Guest), Aarti Karande, Alamelu alias Rajasree S (Guest), Antony Vijay J (Guest), Anuradha sharma (Guest), and ARUN SHUNMUGAM D (Guest). The bottom of the screen shows a row of participant avatars. The meeting controls at the bottom indicate a duration of 01:54:46.

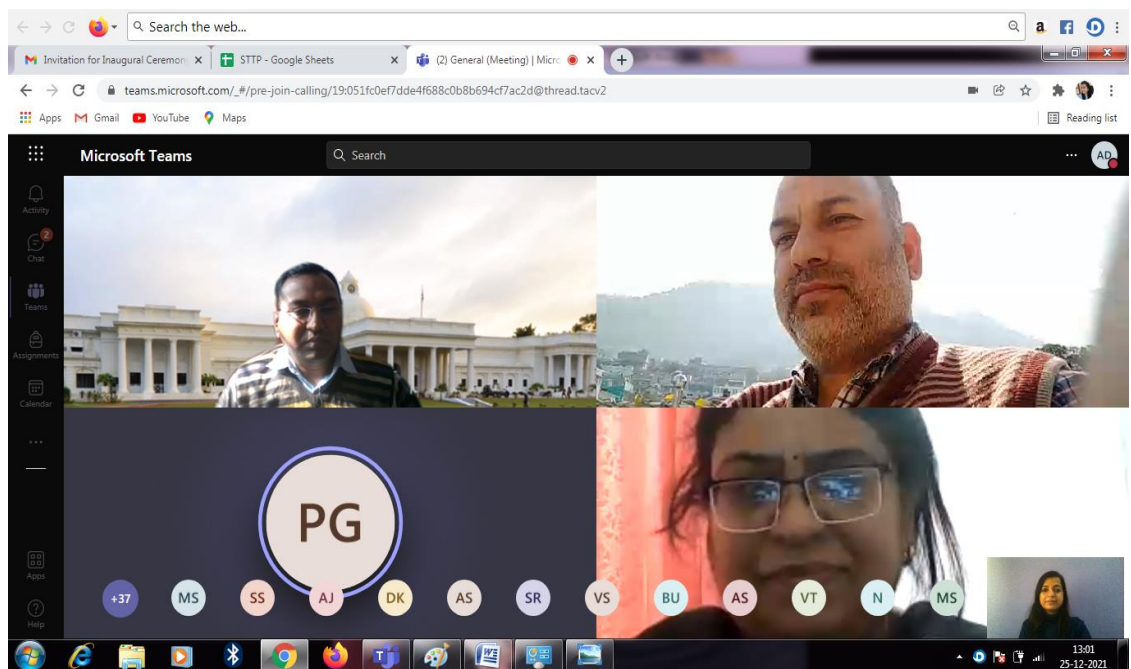
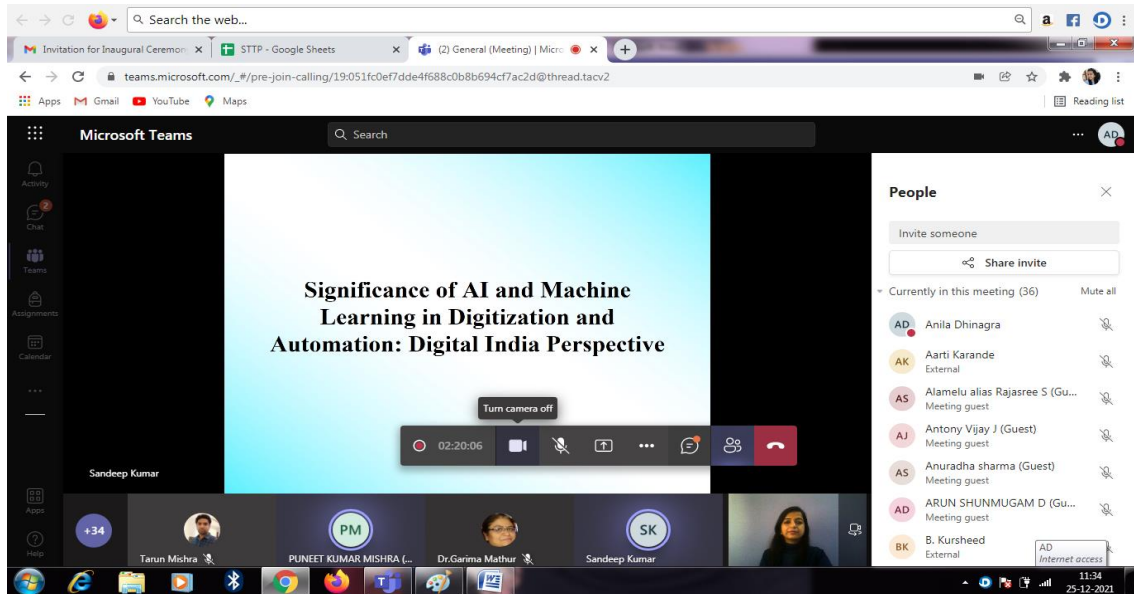

Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
131-0, PILCO Institutional Area
Sikapura, JAIPUR

Day-5 25, December, 2021

Session -2

Title: Role of Artificial Intelligence & Network Communication in Digitization: Digital India Perspective

Speaker: Dr. Sandeep Kumar, Associate Professor, IIT Roorkee

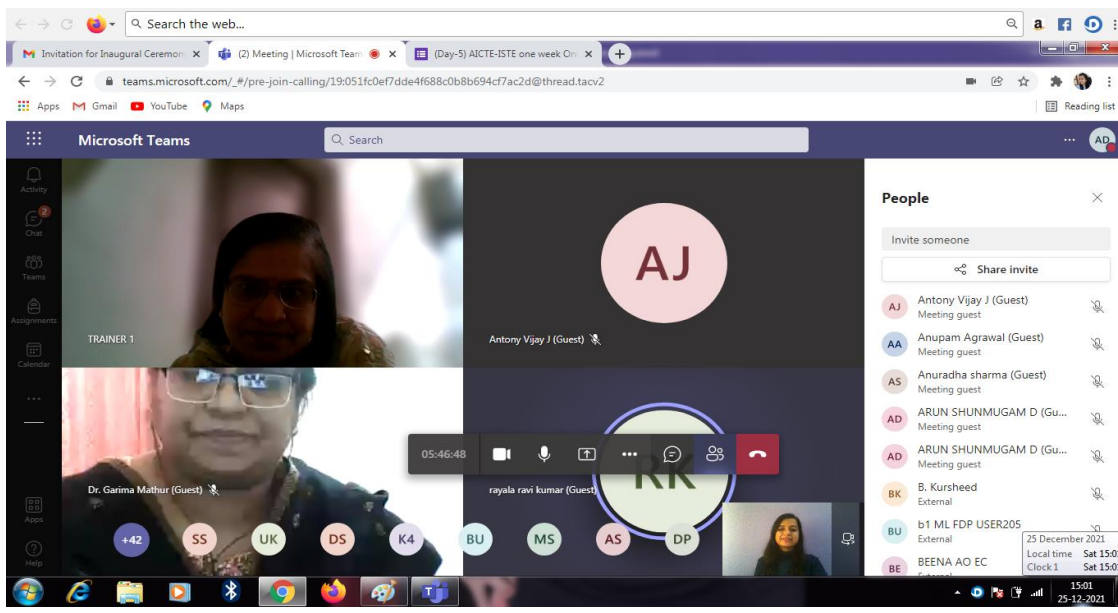
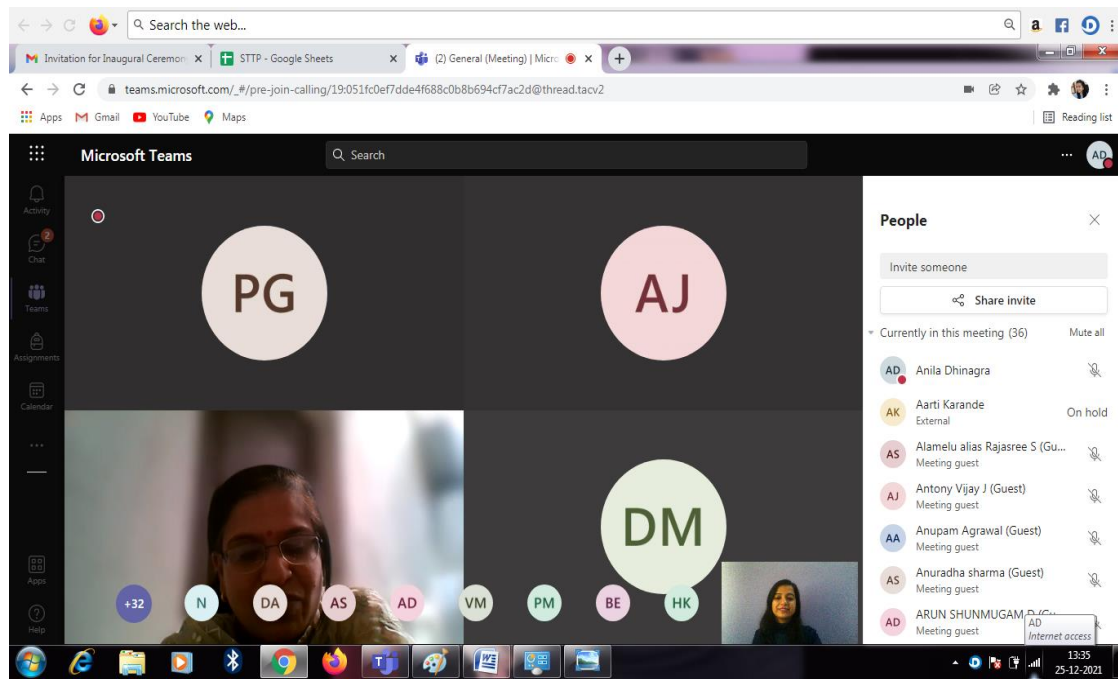


Day-5 25, December, 2021

Session -3

Title: Overview & Hands-On Power BI

Speaker: Divya Mathur, Faculty Trainer, Amaze Heads, Mumbai



Day-6 27, December, 2021

Session -1

Title: Artificial Intelligence in Health Care

Speaker: Prashant K. Jamwal, Associate Professor, Nazarbayev University (NU), Astana, Kazakhstan.

The screenshot shows a Microsoft Teams meeting interface. The main window displays a presentation slide titled "Process of Data Analytics". The slide features a flowchart with the following steps: Identification, Collection, Processing, Cleaning, Modelling, and Communicating. The date "27/12/2021" is visible in the bottom right corner of the slide. The right sidebar shows a list of participants: Anila Dhinagra, Tanuja Pande (Guest), Aarti Karande (External), Alamelu alias Rajasree S (Meeting guest), and Anuradha sharma (Guest). The top of the screen shows the browser tabs and the Teams application bar.

The screenshot shows a Microsoft Teams meeting interface with a video call in progress. The main window displays a video feed of a participant. The left sidebar shows the Teams application bar with icons for Activity, Chat, Teams, Assignments, and Calendar. The bottom of the screen shows a taskbar with various application icons. The right sidebar shows a list of participants: Anila Dhinagra, Aarti Karande (External), Alamelu alias Rajasree S (Meeting guest), Anuradha sharma (Guest), Dr Suganthi Santhanam (Meeting guest), Dr. Budesh Kanwer (Guest), and Dr. Kamlesh Gautam (Guest). The top of the screen shows the browser tabs and the Teams application bar.

Day-6 27, December, 2021

Session -2

Title: 6G Vision, Potential Technologies, & Challenges

Speaker: Dr. Rahul Pandya, Assistant Professor, IIT Dharwad

The screenshot shows a Microsoft Teams meeting interface. The main window displays a presentation slide titled "Comparison of 6G with 4G and 5G Communication Systems". The slide contains a table comparing various metrics for 4G, 5G, and 6G. The table is as follows:

Issue	4G	5G	6G
Per device peak data rate	1 Gbps	10 Gbps	1 Tbps
E2E latency	100 ms	10 ms	1 ms
Maximum spectral efficiency	15 bps/Hz	30 bps/Hz	100 bps/Hz
Mobility support	Up to 350 km/hr	Up to 500 km/hr	Up to 1000 km/hr
Satellite integration	No	No	Fully
AI	No	Partial	Fully
Autonomous vehicle	No	Partial	Fully
XR	No	Partial	Fully
Haptic Communication	No	Partial	Fully

The table is highlighted with a red border. The right sidebar shows a list of participants in the meeting, including Anila Dhinagra, Aarti Karande, Antony Vijay J (Guest), Anupam Agrawal (Guest), ARUN SHUNMUGAM D (Guest), BEENA AO EC, and Dipra Mitra. The bottom of the screen shows the Windows taskbar with various application icons.

The screenshot shows a Microsoft Teams meeting interface. The main window displays a video call with participants. The participants are shown in a grid layout. The participants are: VM (top right), KK (bottom left), and DA (bottom right). The bottom of the screen shows the Windows taskbar with various application icons. The right sidebar shows a list of participants in the meeting, including Anila Dhinagra, Tanuja Pande (Guest), Aarti Karande, Anupam Agrawal (Guest), B.Gomathi (Guest), BEENA AO EC, and Deepa Yerolkar (Guest). The bottom of the screen shows the Windows taskbar with various application icons.

Day-6 27, December, 2021

Valedictory Session



AICTE
Six Days Short Term Training Program
On
Artificial Intelligence & Cooperative Noma
(5G) Network
December 21 - 27, 2020



Organized by

Department of Electronics & Communication Engineering,

Poornima College of Engineering, Jaipur

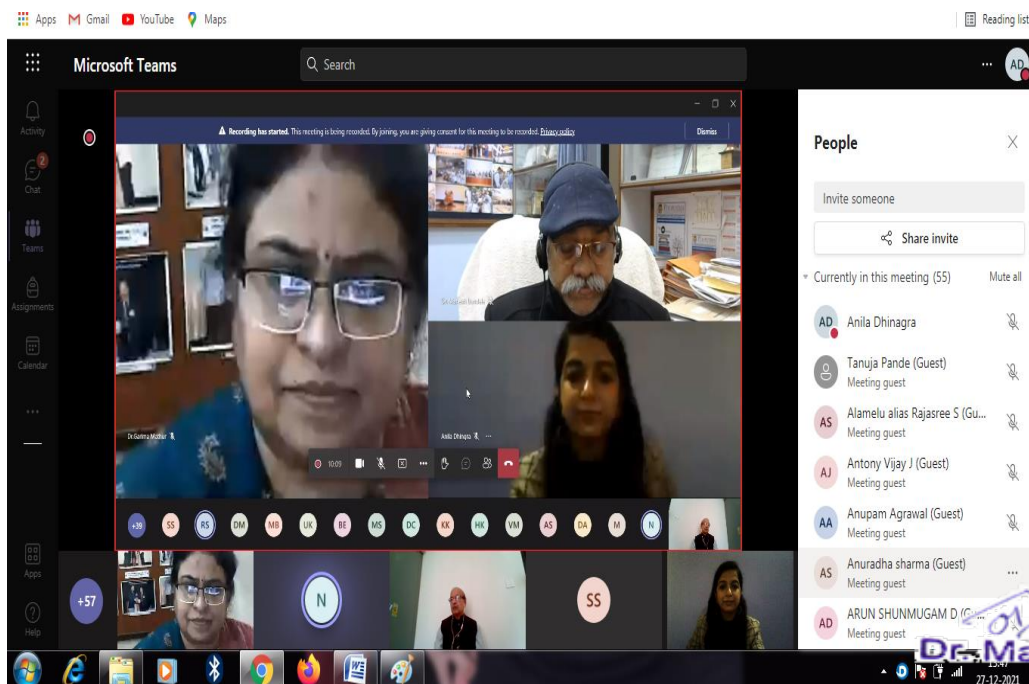
Date: October 27, 2020

Time: 03:30 PM - 04:00 PM

Venue: Online

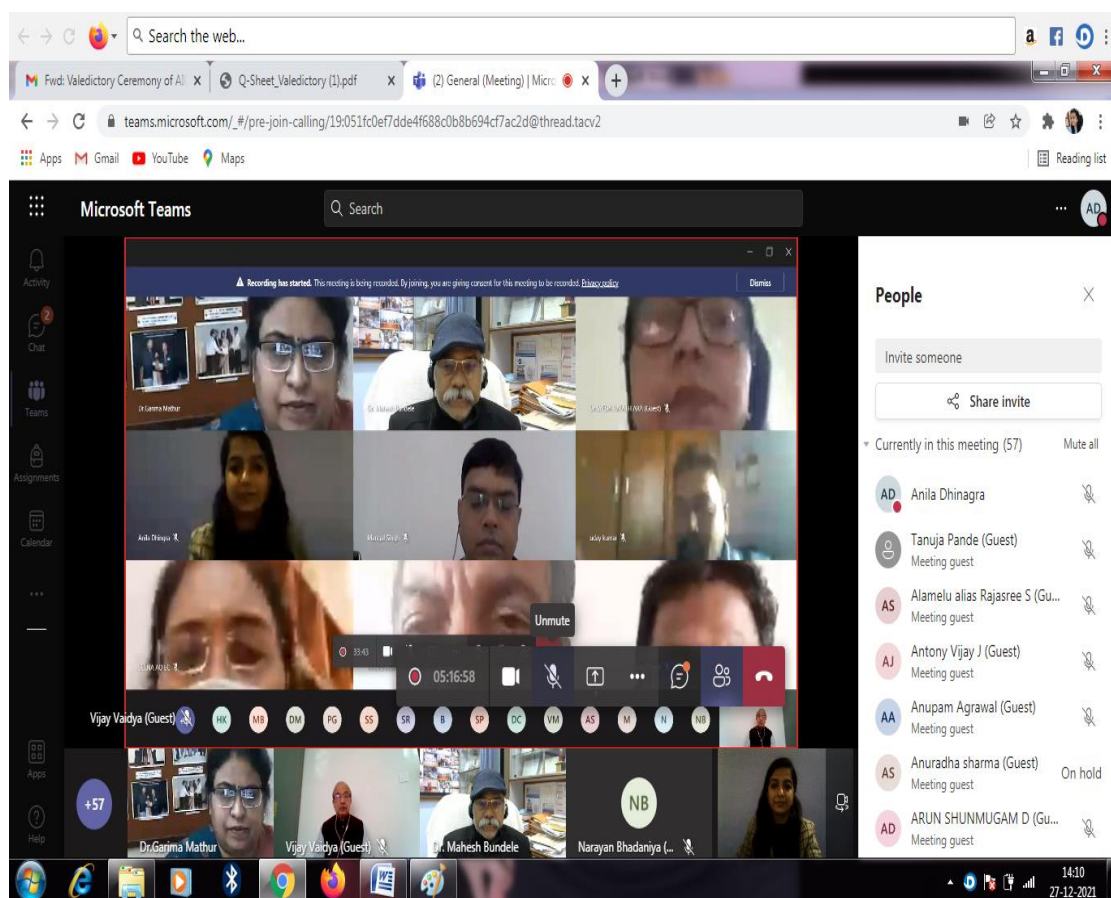
Q- Sheet Valedictory Session

S. No	Activity	Duration	Time
1.	Welcome of Dignitaries and Introduction of Refresher Program by Dr. Garima Mathur, Head & Professor ECE, PCE Dr. Pratapsinh Kakaso Desai, President, ISTE, (Chief Guest) Ar. Rahul Singhi, Director, Poornima Group Dr. Mahesh Bundeale, Director & Principal, PCE Mr. Pankaj Dhemia, Vice Principal, PCE	05 Min	03:30 PM - 03:35 PM
2.	Welcome address by Dr. Mahesh Bundeale, Director & Principal, PCE	05 Min	03:35 PM - 03:40 PM
3.	Motivational Words by Ar. Rahul Singhi, Director, Poornima Group	05 Min	03:40 PM - 03:45 PM
4.	Inaugural Address by Chief Guest Dr. Pratapsinh Kakaso Desai, President, ISTE.	10 Min	03:45 PM - 03:55 PM
5.	Vote of Thanks by Dr. Anila Dhingra, Associate Prof., ECE, PCE	05 Min	03:55 PM - 04:00 PM



Dr. Mahesh Bundeale
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
ISI-6, RICO Institutional Area
Sitapura, JAIPUR

Group Photograph



List of Participants:

Analysis of Assessments

S.No	Name	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6	Eligible for certificate
1	Aarti karande	11.00 / 15	11.00 / 15	11.00 / 15	8.00 / 15	12.00 / 15	39.00 / 50	Eligible
2	Alamelu alias Rajasree S	12.00 / 15	12.00 / 15	14.00 / 15	10.00 / 15	12.00 / 15	37.00 / 50	Eligible
3	Amrita Rai	Not Attempted	12.00 / 15	10.00 / 15	11.00 / 15	3.00 / 15	38.00 / 50	Eligible
4	ANTONY VIJAY J	14.00 / 15	13.00 / 15	14.00 / 15	13.00 / 15	14.00 / 15	48.00 / 50	Eligible
5	Anupam Agrawal	12.00 / 15	12.00 / 15	12.00 / 15	10.00 / 15	11.00 / 15	39.00 / 50	Eligible
6	Anuradha Sharma	12.00 / 15	13.00 / 15	13.00 / 15	11.00 / 15	13.00 / 15	44.00 / 50	Eligible
7	ARUN SHUNMUGAM D	11.00 / 15	11.00 / 15	13.00 / 15	10.00 / 15	12.00 / 15	36.00 / 50	Eligible
8	B.Kursheed	11.00 / 15	12.00 / 15	9.00 / 15	10.00 / 15	9.00 / 15	39.00 / 50	Eligible
9	BEENA A O	11.00 / 15	11.00 / 15	12.00 / 15	8.00 / 15	12.00 / 15	49.00 / 50	Eligible
10	Ch Manohar Kumar	Not Attempted	10.00 / 15	8.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Eligible
11	Chandrakala.K	11.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Attempted	Not Attempted	Not Eligible
12	Dipra Mitra	9.00 / 15	11.00 / 15	7.00 / 15	11.00 / 15	6.00 / 15	39.00 / 50	Eligible
13	Dr B GAYATHRI	5.00 / 15	4.00 / 15	5.00 / 15	6.00 / 15	5.00 / 15	20.00 / 50	Not Eligible
14	Dr Pooja Chaturvedi	7.00 / 15	7.00 / 15	8.00 / 15	6.00 / 15	8.00 / 15	42.00 / 50	Eligible
15	Dr Syeda Rafath Ara	7.00 / 15	10.00 / 15	11.00 / 15	11.00 / 15	11.00 / 15	42.00 / 50	Eligible

Dr. Mahesh Bundeale
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
131-0, P.O. Institutional Area
Sikapura, JAIPUR

Poornima College of Engineering - Artificial Intelligence & 5G Communication Technology


16	Dr. Anushka Deepak Kadage	5.00 / 15	12.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Attempted	Not Eligible
17	Dr. Budesh Kanwer	12.00 / 15	12.00 / 15	13.00 / 15	11.00 / 15	14.00 / 15	39.00 / 50	Eligible
18	Dr. Kamlesh Gautam	Not Attempted	12.00 / 15	13.00 / 15	8.00 / 15	13.00 / 15	40.00 / 50	Eligible
19	Dr. Kuldip Kumar	7.00 / 15	5.00 / 15	11.00 / 15	13.00 / 15	13.00 / 15	44.00 / 50	Eligible
20	Dr. Manjanaik. N	8.00 / 15	8.00 / 15	12.00 / 15	10.00 / 15	9.00 / 15	25.00 / 50	Not Eligible
21	Dr. Rajesh Bhatt	9.00 / 15	8.00 / 15	14.00 / 15	8.00 / 15	12.00 / 15	38.00 / 50	Eligible
22	Dr. Riyaz Hussain Shaik	15.00 / 15	13.00 / 15	14.00 / 15	13.00 / 15	14.00 / 15	47.00 / 50	Eligible
23	DR. SHALINI PURI	13.00 / 15	12.00 / 15	14.00 / 15	10.00 / 15	11.00 / 15	46.00 / 50	Eligible
24	Dr. Venkata Subbarao Mandava	13.00 / 15	13.00 / 15	11.00 / 15	12.00 / 15	15.00 / 15	50.00 / 50	Eligible
25	DR. VISHAL SHRIVASTAVA	7.00 / 15	8.00 / 15	8.00 / 15	12.00 / 15	11.00 / 15	42.00 / 50	Not Eligible
26	Dr.B.Gomathi	12.00 / 15	Not Attempted	14.00 / 15	10.00 / 15	12.00 / 15	42.00 / 50	Eligible
27	Dr.M.Ayyadurai	10.00 / 15	10.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Attempted	Not Eligible
28	GAJULA SRI VENKATA RAMA ABHISHEK	9.00 / 15	5.00 / 15	4.00 / 15	9.00 / 15	2.00 / 15	24.00 / 50	Not Eligible
29	Heena Mishra	12.00 / 15	12.00 / 15	12.00 / 15	10.00 / 15	10.00 / 15	39.00 / 50	Eligible
30	Hg	3.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Attempted	Not Attempted	Not Eligible
31	Hiren Kathiriya	15.00 / 15	12.00 / 15	14.00 / 15	11.00 / 15	13.00 / 15	44.00 / 50	Eligible
32	Jaya Dipti lal	12.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Attempted	Not Attempted	Not Eligible
33	K.Chanthirasekaran	13.00 / 15	13.00 / 15	14.00 / 15	9.00 / 15	12.00 / 15	38.00 / 50	Eligible
34	KALIYAPPAN R	13.00 / 15	13.00 / 15	8.00 / 15	9.00 / 15	10.00 / 15	40.00 / 50	Eligible
35	Kaustubh Ranjan Singh	Not Attempted	7.00 / 15	7.00 / 15	11.00 / 15	Not Attempted	26.00 / 50	Not Eligible
36	KUMAR AMRENDRA	12.00 / 15	12.00 / 15	13.00 / 15	11.00 / 15	13.00 / 15	27.00 / 50	Not Eligible
37	Mangal Singh	7.00 / 15	7.00 / 15	8.00 / 15	10.00 / 15	7.00 / 15	37.00 / 50	Not Eligible
38	Manisha Kumawat	Not Attempted	9.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Attempted	Not Eligible
39	Maria Christina Blessy A	12.00 / 15	14.00 / 15	14.00 / 15	10.00 / 15	15.00 / 15	45.00 / 50	Eligible
40	Meenakshi Awasthi	6.00 / 15	11.00 / 15	12.00 / 15	11.00 / 15	5.00 / 15	20.00 / 50	Not Eligible
41	Mohit Bajpai	8.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Attempted	47.00 / 50	Not Eligible
42	Mr. SAI SUDHEER KOTTA	14.00 / 15	11.00 / 15	14.00 / 15	12.00 / 15	13.00 / 15	49.00 / 50	Eligible
43	Mr.DHUPAM ARUN KUMAR	9.00 / 15	6.00 / 15	Not Attempted	7.00 / 15	12.00 / 15	44.00 / 50	Not Eligible
44	Mrs Poonam Gadge	Not Attempted	12.00 / 15	13.00 / 15	11.00 / 15	13.00 / 15	41.00 / 50	Eligible
45	Mrs.Deepa Manoj Patki	12.00 / 15	Not Attempted	14.00 / 15	10.00 / 15	Not Attempted	44.00 / 50	Eligible
46	Ms.Deepa Jivanrao Yerolkar	Not Attempted	12.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Attempted	Not Eligible
47	Munish Vijay	15.00 / 15	13.00 / 15	13.00 / 15	10.00 / 15	13.00 / 15	42.00 / 50	Eligible
48	Nandhini varadharajan	12.00 / 15	12.00 / 15	13.00 / 15	12.00 / 15	13.00 / 15	47.00 / 50	Eligible
49	Narayan Bhadaniya	12.00 / 15	10.00 / 15	10.00 / 15	12.00 / 15	12.00 / 15	47.00 / 50	Eligible
50	NARESH SURABU	11.00 / 15	10.00 / 15	10.00 / 15	12.00 / 15	11.00 / 15	42.00 / 50	Eligible
51	Pallavi Sapkale	8.00 / 15	6.00 / 15	8.00 / 15	Not Attempted	Not Attempted	36.00 / 50	Not Eligible
52	Partha Sarathi Padhy	7.00 / 15	Not Attempted	6.00 / 15	Not Attempted	Not Attempted	25.00 / 50	Not Eligible
53	Prasuna Kantamaneni	13.00 / 15	13.00 / 15	13.00 / 15	9.00 / 15	14.00 / 15	43.00 / 50	Eligible
54	Puneet Kumar Mishra	Not Attempted	12.00 / 15	10.00 / 15	11.00 / 15	Not Attempted	Not Attempted	Not Eligible
55	Rajesh Gupta	12.00 / 15	9.00 / 15	13.00 / 15	10.00 / 15	Not Attempted	41.00 / 50	Eligible
56	Rakesh Sharma	11.00 / 15	13.00 / 15	12.00 / 15	12.00 / 15	12.00 / 15	41.00 / 50	Eligible

Poornima College of Engineering - Artificial Intelligence & 5G Communication Technology

57	RAYALA RAVI KUMAR	11.00 / 15	9.00 / 15	14.00 / 15	12.00 / 15	9.00 / 15	39.00 / 50	Eligible
58	Reena Sharma	11.00 / 15	12.00 / 15	13.00 / 15	10.00 / 15	10.00 / 15	36.00 / 50	Eligible
59	RUCHI VARSHNEY	12.00 / 15	13.00 / 15	15.00 / 15	13.00 / 15	14.00 / 15	46.00 / 50	Eligible
60	S J Sreeram Pullakavi	14.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Attempted	Not Attempted	Not Eligible
61	seema srinivas	13.00 / 15	12.00 / 15	14.00 / 15	12.00 / 15	14.00 / 15	45.00 / 50	Eligible
62	Sheetal Ashokrao Wadhai	11.00 / 15	Not Attempted	9.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Eligible
63	Shivani Vora	7.00 / 15	Not Attempted	14.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Eligible
64	sneha	6.00 / 15	9.00 / 15	6.00 / 15	8.00 / 15	9.00 / 15	32.00 / 50	Not Eligible
65	SNEHAL PATIL	10.00 / 15	13.00 / 15	14.00 / 15	13.00 / 15	14.00 / 15	42.00 / 50	Eligible
66	SONU KUMAR	12.00 / 15	10.00 / 15	5.00 / 15	10.00 / 15	8.00 / 15	36.00 / 50	Eligible
67	Srinivas Ramacharya	11.00 / 15	13.00 / 15	9.00 / 15	13.00 / 15	10.00 / 15	37.00 / 50	Eligible
68	Srinivasa Yeshwanth G	7.00 / 15	13.00 / 15	Not Attempted	Not Attempted	Not Attempted	22.00 / 50	Not Eligible
69	Suganthi Santhanam	12.00 / 15	Not Attempted	Not Attempted	9.00 / 15	12.00 / 15	41.00 / 50	Eligible
70	Suman Kumar Biswas	12.00 / 15	11.00 / 15	13.00 / 15	10.00 / 15	9.00 / 15	34.00 / 50	Eligible
71	Suraj Singh Panwar	7.00 / 15	13.00 / 15	14.00 / 15	9.00 / 15	13.00 / 15	45.00 / 50	Eligible
72	Tanuja Pande	9.00 / 15	12.00 / 15	11.00 / 15	11.00 / 15	13.00 / 15	35.00 / 50	Eligible
73	UDAYA KUMAR AMBATI	13.00 / 15	13.00 / 15	14.00 / 15	13.00 / 15	14.00 / 15	47.00 / 50	Eligible
74	Vigneshwar Manoharan	12.00 / 15	12.00 / 15	13.00 / 15	12.00 / 15	13.00 / 15	48.00 / 50	Eligible
75	VIRENDRAKUMAR M. THAKKAR	13.00 / 15	13.00 / 15	12.00 / 15	9.00 / 15	12.00 / 15	44.00 / 50	Eligible
76	Vishakha Gaikwad	Not Attempted	12.00 / 15	13.00 / 15	11.00 / 15	Not Attempted	Not Attempted	Not Eligible
77	Zahid Ahmad Bhat	14.00 / 15	12.00 / 15	14.00 / 15	12.00 / 15	13.00 / 15	46.00 / 50	Eligible
78	Nagaraj M. Lutimath	Not Attempted	Not Attempted	14.00 / 15	Not Attempted	Not Attempted	Not Attempted	Not Eligible
79	Dr. Sasikumar Gurumoorthy	Not Attempted	Not Attempted	Not Attempted	4.00 / 15	2.00 / 15	16.00 / 50	Not Eligible

List of Eligible Candidates

S. NO	NAME	CERTIFICATE CRITERIA
1	AARTI KARANDE	ELIGIBLE
2	ALAMELU ALIAS RAJASREE S	ELIGIBLE
3	AMRITA RAI	ELIGIBLE
4	ANTONY VIJAY J	ELIGIBLE
5	ANUPAM AGRAWAL	ELIGIBLE
6	ANURADHA SHARMA	ELIGIBLE
7	ARUN SHUNMUGAM D	ELIGIBLE
8	B.KURSHEED	ELIGIBLE
9	BEENA A O	ELIGIBLE
10	DIPRA MITRA	ELIGIBLE
11	DR SYEDA RAFATH ARA	ELIGIBLE
12	DR. BUDESH KANWER	ELIGIBLE
13	DR. KAMLESH GAUTAM	ELIGIBLE
14	DR. KULDIP KUMAR	ELIGIBLE
15	DR. RAJESH BHATT	ELIGIBLE
16	DR. RIYAZ HUSSAIN SHAIK	ELIGIBLE
17	DR. SHALINI PURI	ELIGIBLE
18	DR. VENKATA SUBBARAO MANDAVA	ELIGIBLE


Dr. Mahesh Bunde
 B.E., M.E., Ph.D
 Director
 Poornima College of Engineering
 ISI-6, RICO Institutional Area
 Sitapura, JAIPUR

19	DR.B.GOMATHI	ELIGIBLE
20	HEENA MISHRA	ELIGIBLE
21	HIREN KATHIRIYA	ELIGIBLE
22	K.CHANTHIRASEKARAN	ELIGIBLE
23	KALIYAPPAN R	ELIGIBLE
24	MARIA CHRISTINA BLESSY A	ELIGIBLE
25	MR. SAI SUDHEER KOTTA	ELIGIBLE
26	MRS POONAM GADGE	ELIGIBLE
27	MRS.DEEPA MANOJ PATKI	ELIGIBLE
28	MUNISH VIJAY	ELIGIBLE
29	NANDHINI VARADHARAJAN	ELIGIBLE
30	NARAYAN BHADANIYA	ELIGIBLE
31	NARESH SURABU	ELIGIBLE
32	PRASUNA KANTAMANENI	ELIGIBLE
33	RAJESH GUPTA	ELIGIBLE
34	RAKESH SHARMA	ELIGIBLE
35	RAYALA RAVI KUMAR	ELIGIBLE
36	REENA SHARMA	ELIGIBLE
37	RUCHI VARSHNEY	ELIGIBLE
38	SEEMA SRINIVAS	ELIGIBLE
39	SNEHAL PATIL	ELIGIBLE
40	SONU KUMAR	ELIGIBLE
41	SRINIVAS RAMACHARYA	ELIGIBLE
42	SUGANTHI SANTHANAM	ELIGIBLE
43	SUMAN KUMAR BISWAS	ELIGIBLE
44	SURAJ SINGH PANWAR	ELIGIBLE
45	TANUJA PANDE	ELIGIBLE
46	UDAYA KUMAR AMBATI	ELIGIBLE
47	VIGNESHWAR MANOHARAN	ELIGIBLE
48	VIRENDRAKUMAR M. THAKKAR	ELIGIBLE
49	ZAHID AHMAD BHAT	ELIGIBLE

List of Non Eligible Candidates

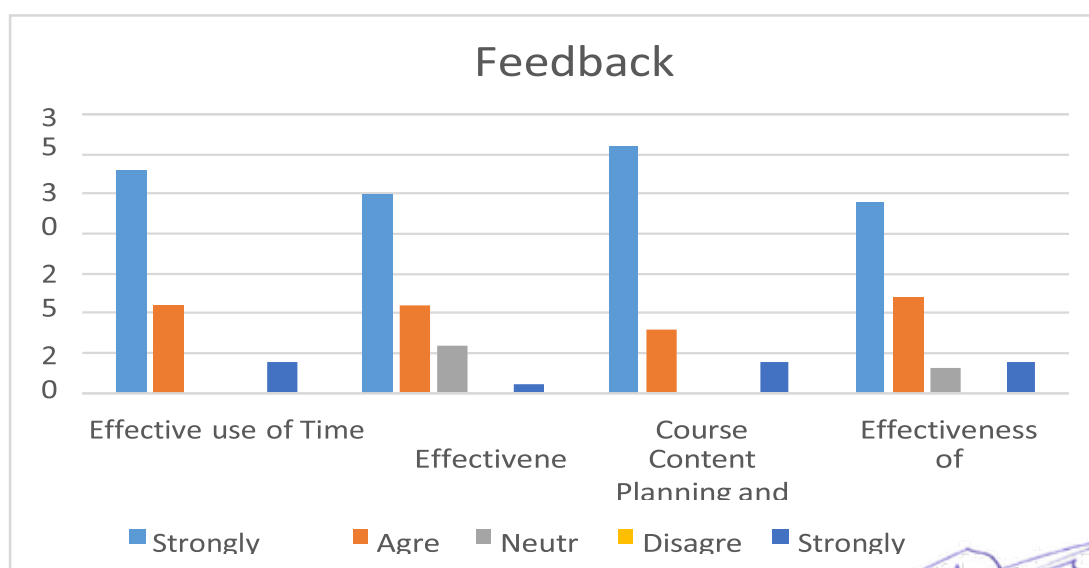
S.NO	NAME	CERTIFICATE CRITERIA
1	CH MANOHAR KUMAR	NOT ELIGIBLE
2	CHANDRAKALA.K	NOT ELIGIBLE
3	DR B GAYATHRI	NOT ELIGIBLE
4	DR POOJA CHATURVEDI	NOT ELIGIBLE
5	DR. ANUSHKA DEEPAK KADAGE	NOT ELIGIBLE
6	DR. MANJANAIAK. N	NOT ELIGIBLE
7	DR. VISHAL SHRIVASTAVA	NOT ELIGIBLE
8	DR.M.AYYADURAI	NOT ELIGIBLE
9	GAJULA SRI VENKATA RAMA ABHISHEK	NOT ELIGIBLE
10	HG	NOT ELIGIBLE
11	JAYA DIPTI LAL	NOT ELIGIBLE
12	KAUSTUBH RANJAN SINGH	NOT ELIGIBLE


Dr. Mahesh Bunde
B.E., M.E., Ph.D.
Director
Poornima College of Engineering
151-0, P.O. Institutional Area
Sitapura, JAIPUR

13	KUMAR AMRENDRA	NOT ELIGIBLE
14	MANGAL SINGH	NOT ELIGIBLE
15	MANISHA KUMAWAT	NOT ELIGIBLE
16	MEENAKSHI AWASTHI	NOT ELIGIBLE
17	MOHIT BAJPAI	NOT ELIGIBLE
18	MR.DHUPAM ARUN KUMAR	NOT ELIGIBLE
19	MS.DEEPA JIVANRAO YEROLKAR	NOT ELIGIBLE
20	PALLAVI SAPKALE	NOT ELIGIBLE
21	PARTHA SARATHI PADHY	NOT ELIGIBLE
22	PUNEET KUMAR MISHRA	NOT ELIGIBLE
23	S J SREERAM PULLAKAVI	NOT ELIGIBLE
24	SHEETAL ASHOKRAO WADHAI	NOT ELIGIBLE
25	SHIVANI VORA	NOT ELIGIBLE
26	SNEHA	NOT ELIGIBLE
27	SRINIVASA YESHWANTH G	NOT ELIGIBLE
28	VISHAKHA GAIKWAD	NOT ELIGIBLE
29	NAGARAJ M. LUTIMATH	NOT ELIGIBLE
30	DR. SASIKUMAR GURUMOORTHY	NOT ELIGIBLE

♦ FEEDBACK ANALYSIS:

	Effective use of Time	Effectiveness of Theoretical Session	Course Content Planning and Organization	Effectiveness of Hands on Sessions
Strongly Agree	28	25	31	24
Agree	11	11	8	12
Neutral	0	6	0	3
Disagree	0	0	0	0
Strongly Disagree	4	1	4	4



♦ SWOT ANALYSIS:

