



POORNIMA

COLLEGE OF ENGINEERING

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

Report on 5-days STTP Program

- ♦ **TITLE AND DURATION:** Five Days Online Short Term Training Program On “Data Analytics using Artificial Intelligence” April 11-15, 2022.
- ♦ **SPONSORS:** Poornima College of Engineering
- ♦ **SUPPORTERS:** RTU Recognized Centre of Excellence in AI and Big Data.
- ♦ **ORGANIZERS:** Department of Computer engineering, Poornima College of Engineering, Jaipur.

♦ **OBJECTIVES:**

1. To learn how to organize the information in a logical manner.
2. To learn how to use Artificial Intelligence in the field of Data Analytics.
3. Its goal is to simplify things to the full extent of big data and come up with a specific goal and solution.
4. To gain Hands-on experience of Excel/Python of Data Analytics.
5. To learn use of statistic, analysis, prediction, modeling and Visualization of data using Excel/Python.

Target Audience:

1. Faculty
2. Students
3. Research Scholars
4. Industry Persons
5. Management Students
6. Alumni of Poornima fraternity


Dr. Mahesh Bunde
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Director
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ISI-0, RIIICO Institutional Area
Sitapura, JAIPUR

BROCHURE / POSTER / LEAFLET / FLYER:



**RTU recognized
Centre of Excellence in AI and Big Data
is organizing
Five Days Short Term Training Programme
(STTP)
on
Data Analytics Using Artificial Intelligence**

April 11-15, 2022



Department of Computer Engineering



**POORNIMA
COLLEGE OF ENGINEERING**

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

ABOUT THE PROGRAM

Data plays a crucial role in studying and predicting user behavior & patterns. It affects managerial decisions as well as acts as a game-changer by determining the competitiveness of a product or offering by any company and is used in various sectors/industries in various form and act as a benchmark for future purpose and research. In this Short Term Programme our objective is to analyse data using Python. You will learn how to prepare algorithms for data analytics with Python. Delivered through lectures, hands-on-labs, and group presentations along with learning to write research papers in AI.

Salient features of the Training Program are:-

- Import data sets
- Hands-on experience of Data Extraction
- Data Processing, Modelling & visualization
- Importance of AI in Data Analytics
- Learning to write reports/case study of Data Analytics

ABOUT CENTRE OF EXCELLENCE

The creation of Centre of Excellence aims at building the excellence of tomorrow in which 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 workshops of industry partners
- Online certification program
- Industry academic interactions on a regular basis
- Faculty Trainings 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, Trainings for external students and faculty members in AI & Big Data.

ABOUT INSTITUTE

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 eminence of success. Its accomplishments forecast its journey through the hardships and its triumph over them are 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 projects. Glorious glimpses of PCE

- Highly recognized and renowned affiliated technical institution all over Rajasthan with built up area more than 5.5 lacs square feet
- Affiliated to RTU, Kota & approved by AICTE, New Delhi
- The most performed NBA Accredited Engineering College with running of six specializations of Engineering at UG Level (CSE, ECE, EE, ME, IT, CIVIL) and two at PG Level (CS & VLSI)
- The only institution permitted by RTU to admit PNPQ/Out students & designated as centre of excellence by BBA

ABOUT DEPARTMENT

The Department of Computer Engineering was established in July 2000. It administers bachelors programs in Computer Engineering, as well as master's degree programs in Computer Science. The department is accredited by National Board of Accreditation for quality and outcome based education. The department's strengths include its high faculty-to-student ratio, state of the art facilities, renowned faculty, strong focus on undergraduate education balanced with leading-edge research, and emphasis on leadership, service and ethics. The Department aims at imparting quality education and strives to search the thirst for knowledge. The Department lays emphasis on theoretical and practical aspects of subjects taught viz. Computer Technologies, Data Structures, and Information Security, Programming Languages, Networking, Database Management, Software Engineering, Operating System and several other domains of computer engineering.

REGISTRATION PROCESS

Registration Link: <https://forms.gle/kh3p9d0d03MMMS>

Registrations are open till **April 09, 5:00 pm.**

Delegates	Regular Fee
For Faculties	₹ 400/-
For Students / Research Scholars	₹ 100/-
For Industry	₹ 400/-

NOTES:

- A/C NAME - POORNIMA COLLEGE OF ENGINEERING
- BANK NAME - HDFC BANK LTD
- BANK A/C NO. 56200004936188
- IFSC CODE - HDFC0003873
- BANK MICR CODE - 302240028
- BANK CODE - 3873
- BRANCH NAME - SITAPURA, JAIPUR

PATRONS

Dr. Mahesh Bunde
Director,
Poornima College of Engineering

Dr. Narayan Lal Jain
Vice-Principal,
Poornima College of Engineering

PROGRAM CHAIR
Dr. Surendra Kumar Yadav
Head of Department, CSE

PROGRAM CO-CHAIR
Mrs. Snehal Moghe
Assistant Professor, CSE, PCE

COORDINATOR
Ms. Neha Shrotriya
Assistant Professor, CSE, PCE

CO-COORDINATOR
Mr. Suresh Vyas
Assistant Professor, CSE, PCE

RESOURCE PERSONS

Hema Lakshmi is an entrepreneur, mentor, speaker and author of the book "Strategic Data Management for Successful Healthcare Outcomes". She is a contributor to FairCommunity and Data Steward for Data Health Collaborative. She is an expert in health AI and data governance, risk, and compliance. She is on several advisory boards for health startups.

Dr. Niharika Singh has completed her Ph.D from University of Petroleum and Energy Studies, Dehradun in 2021 and currently Assistant Professor, (SS). Her research interests are Artificial Intelligence, Machine Learning, Robotics and Data Science.

Snehal Moghe, Assistant Professor Computer Science Department at Poornima College of Engineering Jaipur Affiliated Artificial Intelligence (Btech 2014) and research interests are Machine Learning, Expert Systems. Also supervises Software Development initiatives of Engineering Students.



Suman Gupta
Associate Data Scientist
Central Technologies



Vijay Kumar
Associate BigData & EDW
Central Technologies



Anjali Singh
Associate BigData & EDW
Central Technologies



Kajal Shukla
Consultant BigData & EDW
Central Technologies

ALL ATTENDEES WILL GET THE CERTIFICATE

- E-Certificates will be provided after successful completion of Training Program
- After registration, the attendees will receive a confirmation email containing information about joining the lecture.

RSVP

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Five Days Online Short Term Training Programme

On

“Data Analytics Using Artificial Intelligence”

April 11-15, 2022

Organized by RTU Recognized Centre of Excellence in AI and Big Data

To start with the Series of Training Programme for Academic Year 2021-22, the Center of Excellence Artificial Intelligence and Big Data, Department of Computer Engineering, Poornima College of Engineering, Jaipur, organized a Five Days Online Short Term Training Program on “Data Analytics using Artificial Intelligence” from April 11th, 2022 to 15th February 2022.

The main objective of this Five Days Online Short Term Training Program was to cover the fundamentals of Artificial Intelligence (AI), its presence in various sectors, not only Technical but Managerial aspects and implementations. Also hands on coding in Python and Excel on important terminologies of AI were also taught.

Dr. Niharika Singh, Assistant Professor (Senior Scale) at University of Petroleum and Energy Studies Dehradun covered Introduction to AI, its usage, Introduction to Python, interdisciplinary use of AI in HR Analytics, Healthcare, etc. Also mini projects on AI and one full day end to end project on Data Science was covered.

Mrs. Snehal Moghe, Assistant Professor, Computer Science Department, Poornima College of Engineering Jaipur took sessions on probability, statistics used in AI, its implementation in Python. There was an awareness session on comparison of AI Ethics frameworks used globally. Also how to develop writing skills for AI mini cases.

Training Program Content

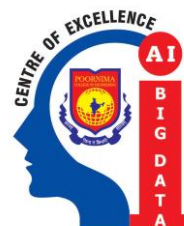
- Theme of Artificial Intelligence: Its role in designing Indian Government Strategies
- Governing AI through biased ethics: A cure worse than the disease
- Hands on coding for various Important concepts of AI & live project demonstration in Python
- Designing innovative case studies in A Introduction to Artificial Intelligence role in designing Indian Government's Strategies.

Expected outcomes:

- Gain Knowledge basics of Python, R , Hands on exercises using Python
- Introduction to AI Ethics. AI Ethics -Comparison of Global frameworks.
- Understanding dimensions of AI-various categories, Machine Learning and its types in detail
- Learn about Statistics in AI, understanding basic terminologies. Clustering and Data Visualization.
- Understand how to do Hands on exercise using Python (Mini project understanding)
- Understand K Means clustering using Python with examples, Project – Data Science,
- Case Studies in AI and General Management, HR Analytics, etc: discussion and group activity


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PROGRAM SCHEDULE:



Five Days Online Short Term Training Programme

On

“Data Analytics Using Artificial Intelligence”

April 11-15, 2022

Organized by RTU Recognized Centre of Excellence in AI and Big Data


Q-Sheet Inaugural Session

Date: 11th April 2022

Time: 10:00 A.M. TO

10:20 A.M Platform: MS Teams: <https://rb.gy/apwj3t>

S. No.	Activity	Duration	Time
1.	<p>Welcome of Dignitaries and Introduction of Five Days Online Training Program by Mrs. Neha Shrotriya, Co- Coordinator & Assistant Professor, Poornima College of Engineering</p> <ul style="list-style-type: none"> Dr. Mahesh Bunde, Director & Principal, Poornima College of Engineering Ms. Hema Lakkaraju, Author, Healthcare Analytics book, Entrepreneur, mentor, speaker, knowledge enthusiast, Founder, Hayag Corp, USA Dr. Niharika Singh, Assistant Professor CSE Department (Senior Scale), UPES, Dehradun Mr. Kalpit Dhaked, Consultant Big Data and Enterprise Data Warehouse, Celebal Technologies Ms. Aayushi Singhal: Associate Big Data and Enterprise Data Warehouse Celebal Technologies Mr. Sameer Gupta: Associate Data Scientist, Celebal Technologies Machine Learning, Deep Learning and NLP Mr. Vinayak Mathur Associate Big Data and Enterprise Data Warehouse Celebal Technologies 	03 min	10.00 am-10.03 am



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	<ul style="list-style-type: none"> • Mr. Shashank Gupta, Celebal Technologies • Mrs. Snehal Moghe, Assistant Professor Computer Engineering Department, Poornima College of Engineering • Dr. Narayan Lal Jain, Vice Principal, Poornima College of Engineering • Dr. Surendra Kumar Yadav, HOD, CSE, Poornima College of Engineering • Mr. Manish Dubey, Dy. H.O.D, CSE, Poornima College of Engineering 		
2	Welcome Address by Dr. Mahesh Bunde , Director & Principal, Poornima College of Engineering, Jaipur	05 min	10.03 am to 10.08am
3	Felicitation of Resource Persons	5 min	10.08am to 10.13 am
4	Vote of Thanks by Mrs. Snehal Moghe, Chief Coordinator, COE Artificial Intelligence & Big Data	5 min	10.13 am to 10.18am
5	Digital Photograph	2 min	10.18 am to 10.20am
		Total: 20 min (approx.)	

Details:

On April 11 to 15, 2022, Centre of Excellence in AI and Big Data, Poornima College of Engineering, Jaipur, Computer Engineering Department, conducted a Five days Online Short Term Training Program on “Data Analytics using Artificial Intelligence” for undergraduate and post graduate students of Maths, Science, Sociology, Engineering 1st year onwards, Management Students and Alumni of Poornima fraternity. This Programme was well received by different Private Universities like.

Also, as a skill enhancement Program for Faculties, in school or college, Management, Industry personnel also attended this and got benefited. At the start of the session, The Director, PCE, Dr. (Prof.) Mahesh Bunde welcomed the speakers with a memento followed by a welcome address of Prof. (Dr). Mahesh Bunde.


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Our esteemed speakers consisted of Ms. **Hema Lakkaraju** who is the Founder of Hayag Corp. USA, **Dr. Niharika Singh** who is assistant professor from University of Petroleum and Energy Studies, Mr. **Sameer Gupta** Associate Data Scientist, Mr. **Vinayak Mathur** Associate Bigdata & EDW, Ms. **Aayushi Singhal** Associate Bigdata & EDW, Mr. **Kalpith Dhaked** Consultant Bigdata & EDW Celebal Technologies, Mr. Shashank Gupta, Celebal Technologies and Mrs. Snehal Moghe, Assistant Professor Computer Science Department at PCE.

During the FDP, the speakers mentioned about how Artificial Intelligence (AI) is gaining grounds not only in technical arena but managerial aspects in industry and academia. In this program knowledge was discerned of theoretical Artificial Intelligence as well as in real world applications with demonstration using Python.

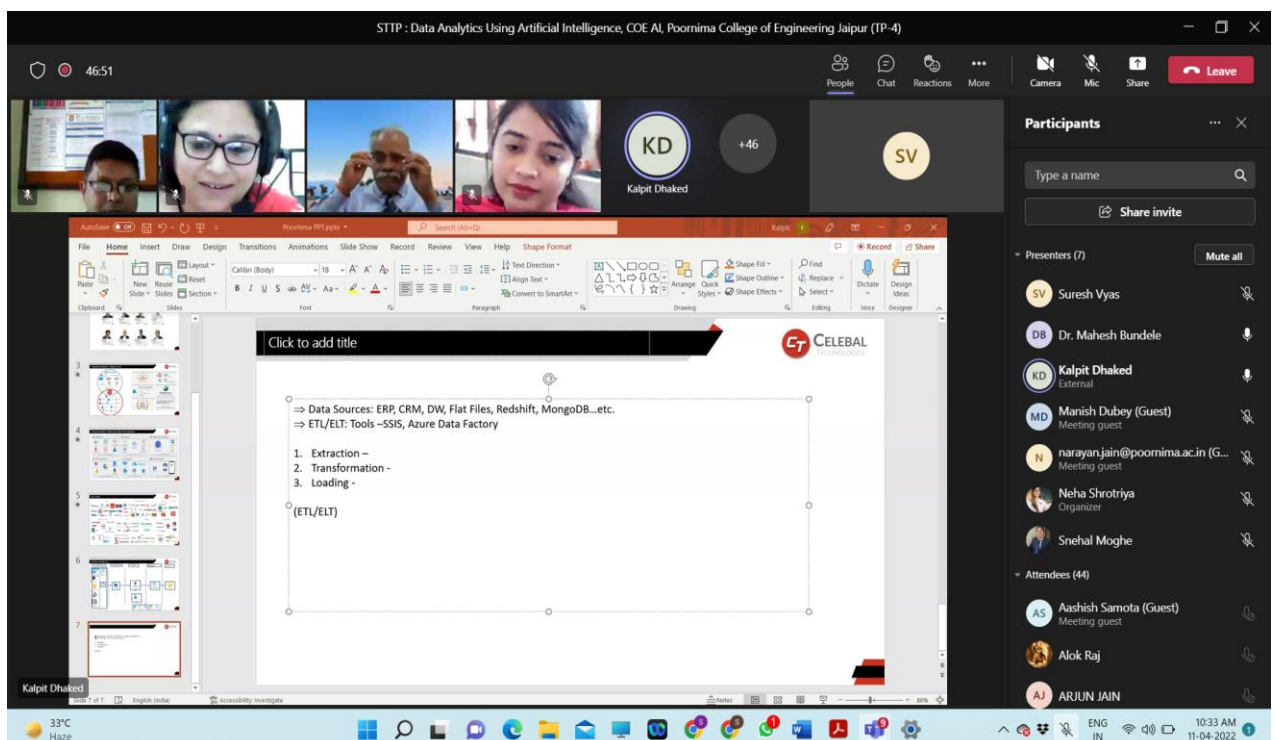
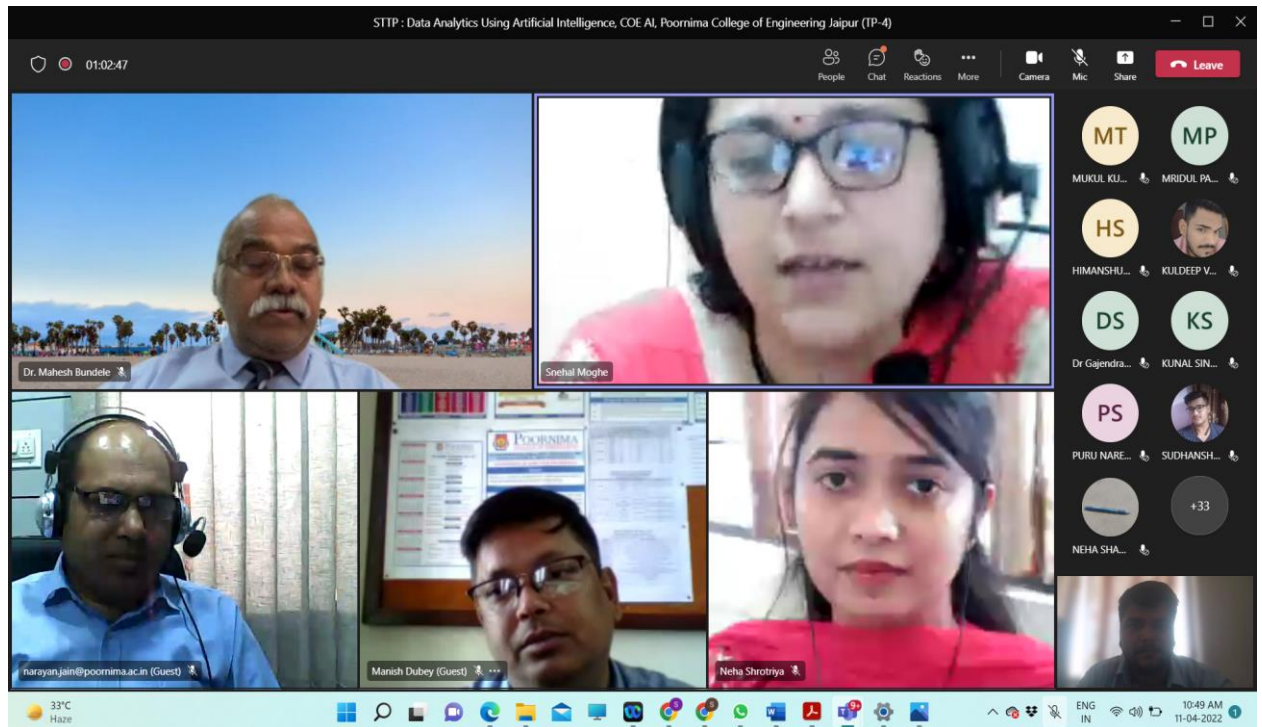
Salient features of the Training Program were:

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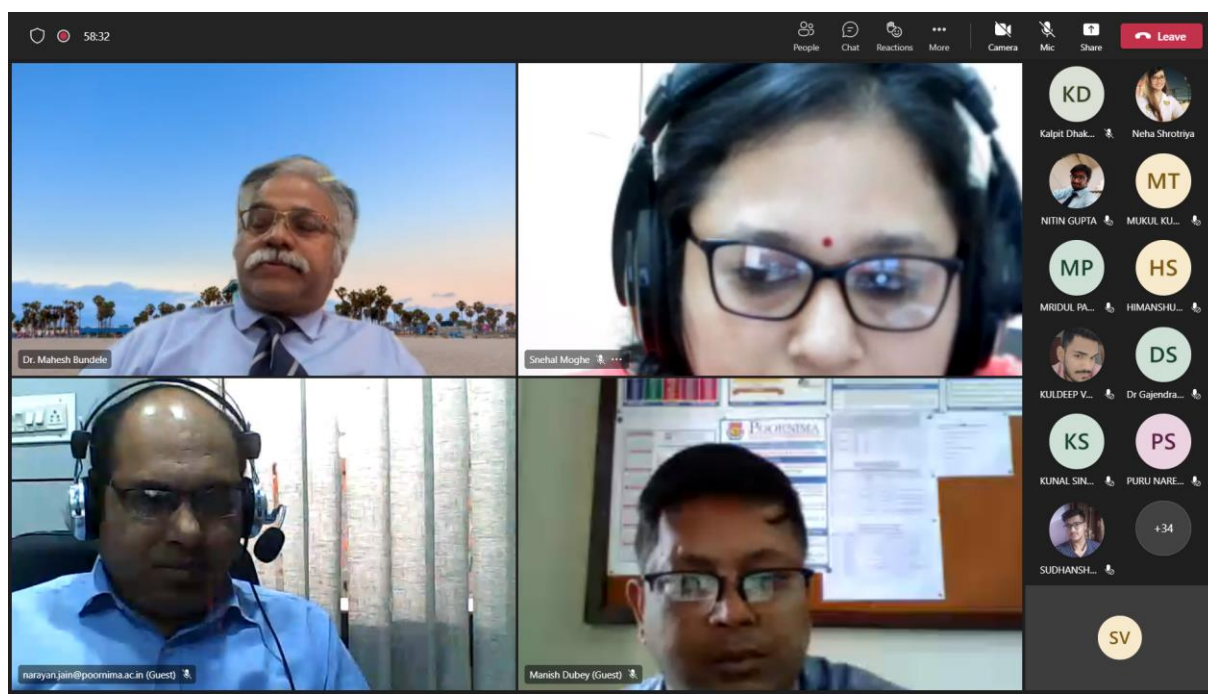
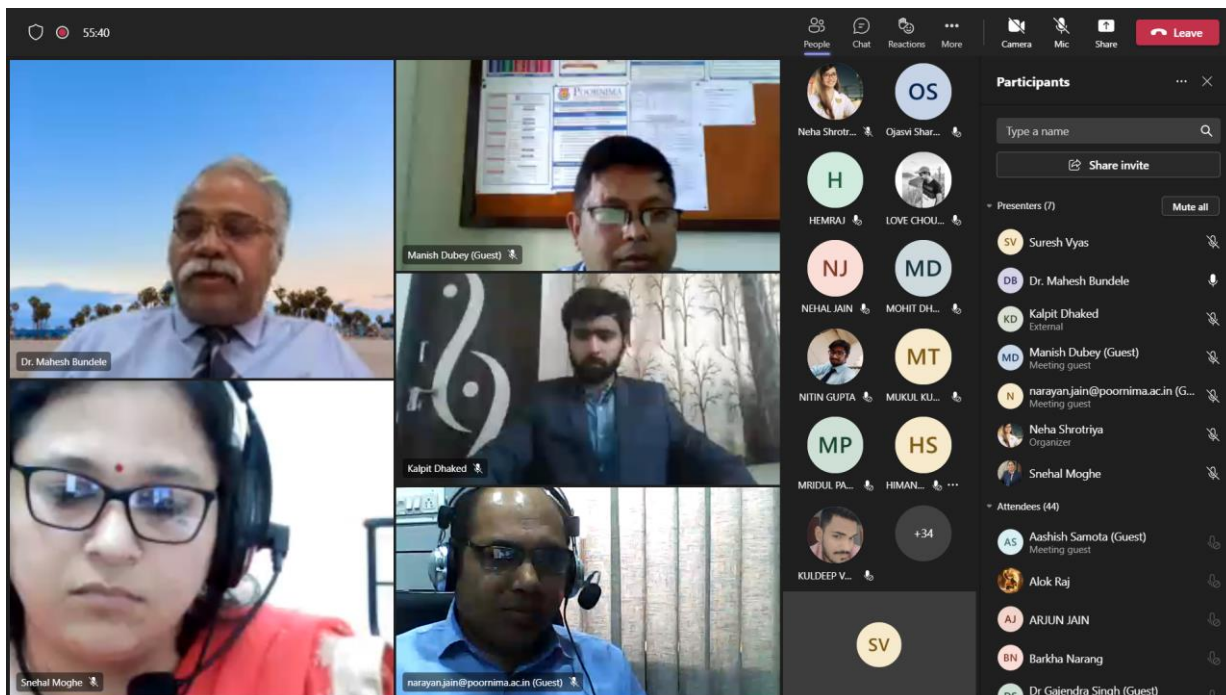
During the program many students asked various questions and query and all were addressed well by the speakers after each session. Artificial Intelligence is one of the most sought after emerging technologies and contributes in building India as digital talent nation. Technologies like AI, Machine Learning, Big Data, etc to come up with cutting edge substitutes of traditional processes with fast changing world. The training was very nice and informative, well received by participants and we are all looking forward for the positive outcomes of the learning and training.


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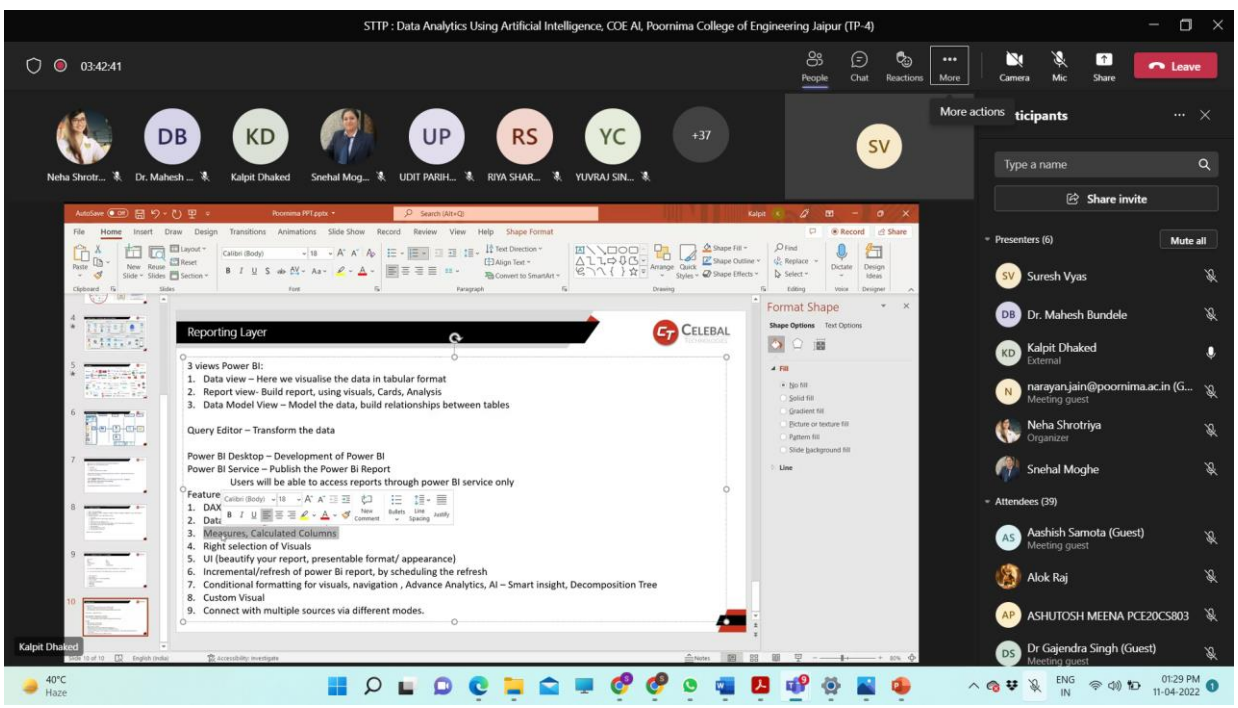
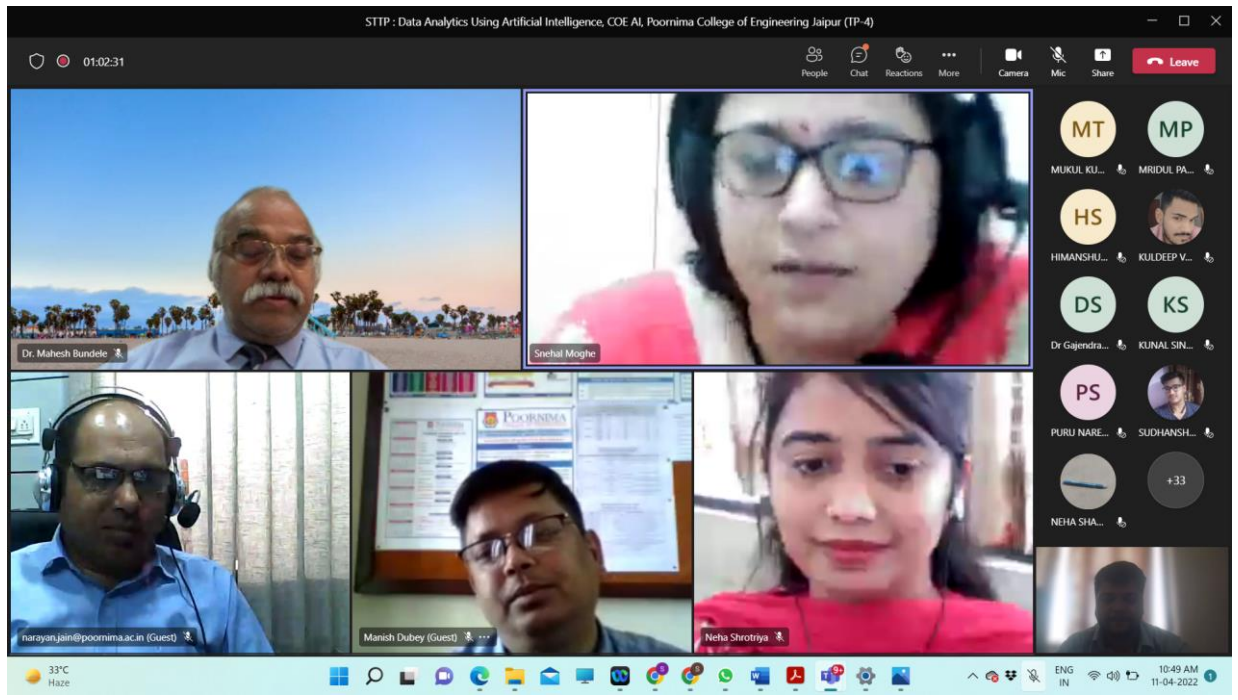
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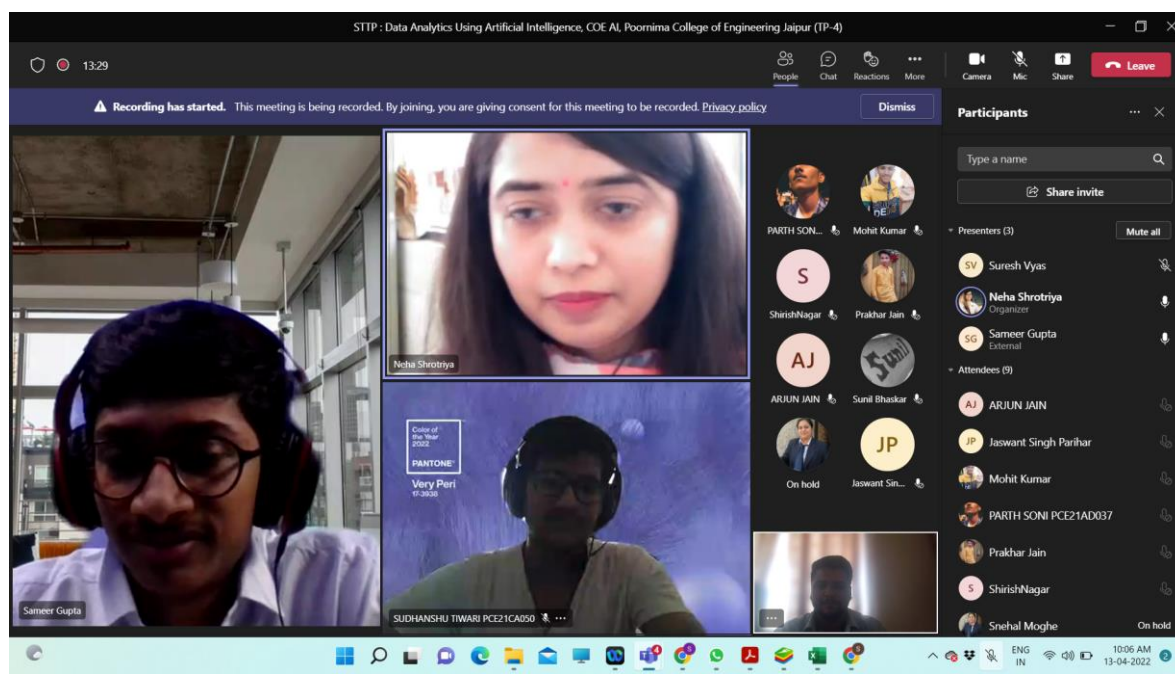
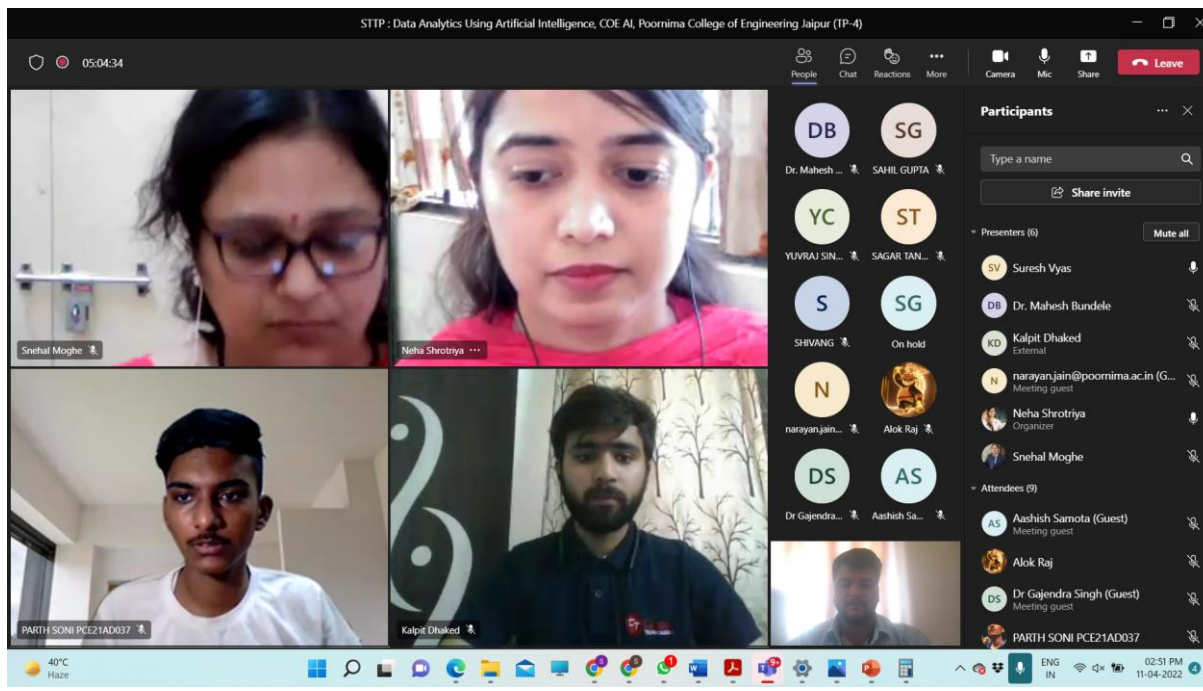


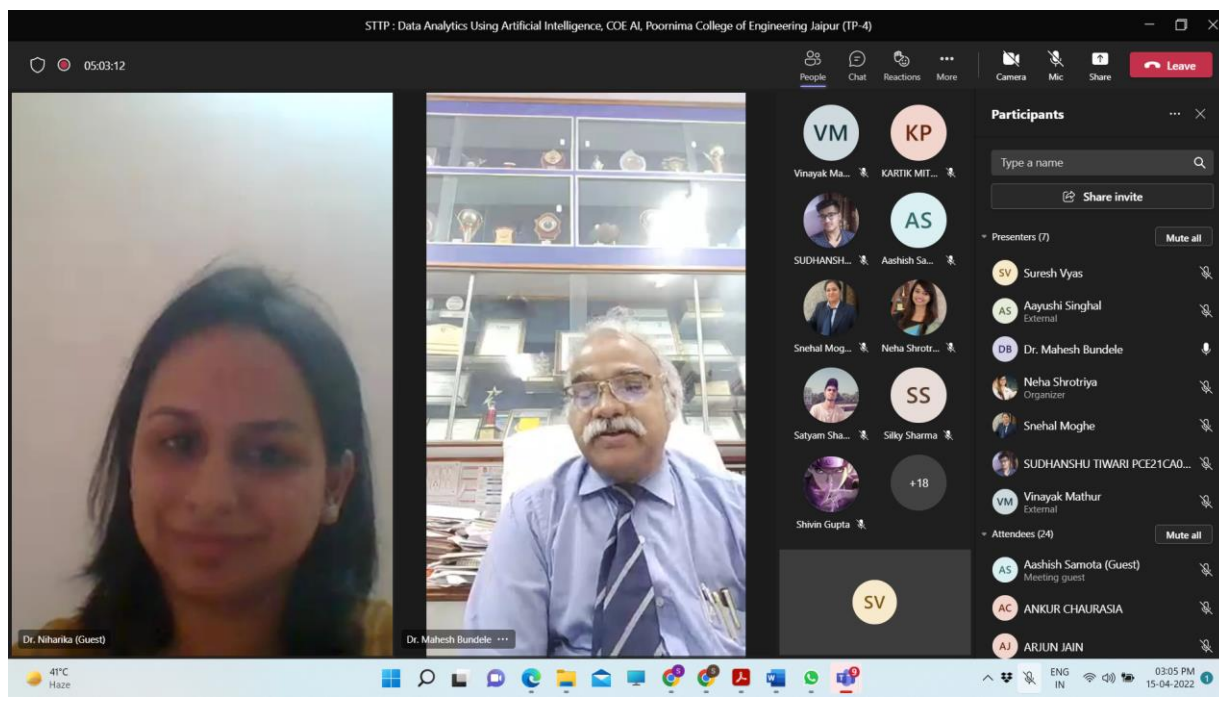

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♦ LIST OF PARTICIPANTS:

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Data Analytics Using Artificial Intelligence

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17	Praveen Kumar Yadav	8696934596	praveen yadav	Poornima College Of Engineering	Faculty
18	Shubham Kudesiya	7220914672	shubham kudesiya kudesiya	Pinnacle Infotech Solution	Industry Professional
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44	Aashish Samota	9680547851	samota aashish	Education	Student
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53	Ankit Khatri	9460857473	ankitkhatri0312@gmail.com	Poornima College of Engineering	Student

♦ FEEDBACK ANALYSIS:

Feedback and views shared by the participants revealed that all the Session Experts have successfully fulfilled the objectives. Participants has given positive remarks and shown their satisfaction. Lot many participants, both students and faculty cleared their doubts regarding the subject of the training. More than 70% respondents felt that the training Program solved their queries related to data analytics and it was an overall learning experience.

Q. Did the training content meet your expectations?



Q. Do you have any suggestions that can help us improve the training program?

Do you have any suggestions that can help us improve the training program?

23 responses

No it was good

I think practical experience is also introduced in training.

No suggestion

Nothing

It is a good initiative

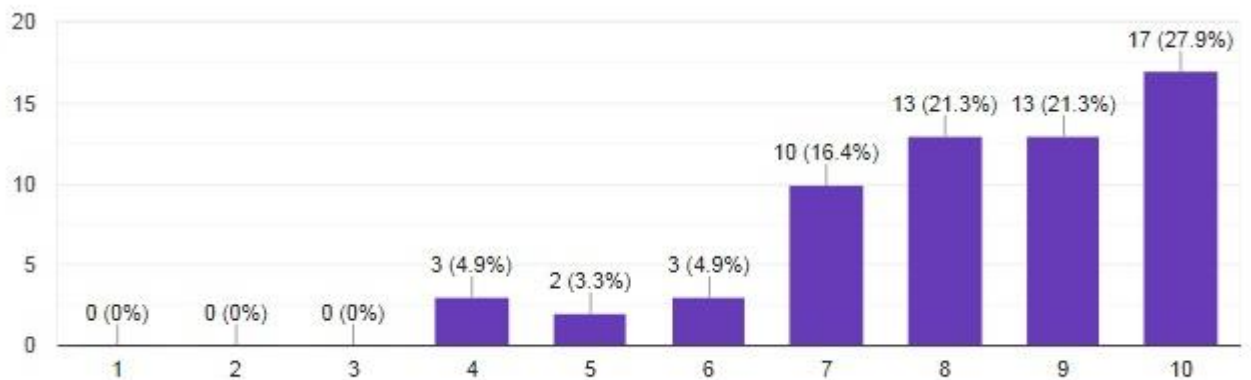
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No everything was good.

It was wonderful.

Analytics relies on existing information to find patterns that ultimately shape decisions.

Q. Would you recommend these trainings conducted by COE to your friends and colleges?




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Q. How would you rate the quality of the training out of 5?

