



POORNIMA

COLLEGE OF ENGINEERING

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

A Report on 5-days Faculty Development Program

- ♦ **TITLE AND DURATION:** “Artificial Intelligence N-Dimension Perspectives, AI Ethics February 24-28, 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:**

The main objective of this Five Days Online 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 R Studio on important terminologies of AI were also taught. Now a days India covered the ongoing applications of AI with respect to Central and State Governments in India. AI Ethics and Government Regulations are usage of citizen’s data and AI audit. Its main focus was on Ethical aspects of AI and how culture, language, region play a significant role while developing a framework for AI Ethics.

- ♦ **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)

BROCHURE / POSTER / LEAFLET / FLYER:

Centre of Excellence in AI and Big Data
is organizing
Five Days Online Training Program
on
Artificial Intelligence N-Dimension Perspectives, AI Ethics

February 24-28, 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

Artificial Intelligence (AI) is gaining grounds not only in technical arena but managerial aspects in industry and academia. This program aims at discerning knowledge of Artificial Intelligence theoretically as well as in real world applications with demonstration using Python & R Studio.

Salient features of the Training Program are:

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

ABOUT CENTRE OF EXCELLENCE

The creation of Centre of Excellence aims at building the workforce 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 internships at industry partners
- Online certification program
- Industry academia 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 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 glimpses of PCE:

- Highly recognized and renowned affiliated technical institution all over Rajasthan with built up area more than 3.5 less 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 at PG level (CS & VLSI)
- The only institution permitted by RTU to admit RAIPOR/Gulf students & designated as centre of excellence by IBM

ABOUT DEPARTMENT

The Department of Computer Engineering was established in July 2000. It administers bachelor's 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 quench 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/kai3ajNjHe0XNAG5>

Registrations are open till **February 24, 1:00 pm.**

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

NEFT DETAIL

- A/C NAME - POORNIMA COLLEGE OF ENGINEERING
- BANK NAME - HDFC BANK LTD
- BANK A/C NO. 30200024936188
- IFSC CODE - HDFC0003873
- BANK MICR CODE - 302240028
- BANK CODE - 3873
- BRANCH NAME - SITAPURA, JAIPUR

PATRONS

Dr. Mahesh Bundeale
Director,
Poornima College of Engineering

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

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

PROGRAM CO-CHAIR
Mr. Manish Dubey
Dy. H.O.D. CSE

COORDINATOR
Mrs. Snehal Moghe
Assistant Professor, CSE, PCE

CO-COORDINATOR
Mrs. Barkha Narang
Assistant Professor, CSE, PCE

RESOURCE PERSONS

Dr. Emmanuel R. Goffi is the Co-Director and Co-Founder of the Global AI Ethics Institute in Paris. Dr. Goffi is an AI Ethics consultant, as well as a research member with the 2-Inspection @ Initiative Frankfurt, Germany. He is pioneer of AI Ethics and influences Government decisions on AI Regulation and Audit.

Jibu Elias is an AI Researcher and one of the leading experts on India's AI ecosystem. Jibu is the Research & Content Head of INDIAAI - The National AI Portal of Govt of India. He also reviews AI Ethics Journal (Springer)

Dr. Niharika Singh has completed her PhD 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. M.Tech Artificial Intelligence (Batch 2014) and research interests are Machine Learning, Expert System. Also supervises Software Development initiatives of Engineering Students.

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.

Virtual platform:
Microsoft teams

RSVP

Mrs. Snehal Moghe
✉ : snehal.moghe@poornima.org
☎ : +91-9630041244

Mrs. Barkha Narang
✉ : barkha.narang@poornima.org
☎ : +91-9930682605

PROGRAM SCHEDULE:



Five Days Online Training Program

On

“Artificial Intelligence N-Dimension”

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

Q-Sheet Inaugural Session

Date: 24th February 2022

Time: 10:00 A.M. TO 10:30 A.M

Platform: MS Teams

Registration Link: <https://forms.gle/kai3ajNjhHeQXNM6>

To start with the Series of Training Programme for Academic Year 2021-22, the Centre of Excellence Artificial Intelligence and Big Data, Department of Computer Engineering, Poornima College of Engineering, Jaipur, organized a Five Days Online Training Program on “Artificial Intelligence N-Dimension” from February 24th, 2022 to 28th February 2022.

The main objective of this Five Days Online 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 R Studio on important terminologies of AI were also taught.

Mr. Jibu Elias, Research and Content Head, NASSCOM, India covered the ongoing applications of AI with respect to Central and State Governments in India. He discussed how youth, children, elder citizens can benefit from these innovative initiatives and he discussed the ease of technology usage and its scalability.

Dr. Emmanuel R Goffi, Co-Founder Global AI Ethics Institute Paris, covered AI Ethics and Government Regulations for usage of citizens data and AI audit. His main address was on Ethical aspects of AI and how culture, language, region play a significant role while developing a framework for AI Ethics.

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.

Moreover, this program was interdisciplinary. Attendees benefitted not only from curated sessions but group activity as well, involving discussing a case study (prior provided) and write its solutions. Students of Maths, Science, Engineering streams 1st year onwards, and Management Students and Alumni of Poornima fraternity_____ joined the event. Also, this was a skill enhancement Program for Faculties, in school or College, Management or Engineering domain.

Salient features of the Training Program were:

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

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.

♦ **INAUGURAL SESSION:**

Date: 24th February 2022

Time: 10:00 A.M. TO 10:30 A.M

Platform: MS Teams

Registration Link: <https://forms.gle/kai3ajNjhHeQXNM6>

S. No.	Activity	Duration	Time
1.	<p>Welcome of Dignitaries and Introduction of Five Days Online Training Program by Mrs. Barkha Narang, Co-Coordinator, Poornima College of Engineering</p> <ul style="list-style-type: none"> • Dr. Mahesh Bunde, Director & Principal, Poornima College of Engineering • Dr. Emmanuel R. Goffi, Co-Director and Co-Founder of the Global AI Ethics Institute in Paris • Jibu Elias, Research & Content Head , INDIAai -The National AI Portal of Govt of India. • Dr. Niharika, Assistant Professor, University of Petroleum and Energy Studies, Dehradun • Mr. Pankaj Dhemla, 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 • Mrs. Snehal Moghe, Chief Coordinator, COE AI & BD ,Assistant Professor, CSE, Poornima College of Engineering 	03 min	10.00 am-10.03 am
2	Welcome Address by Dr. Mahesh Bunde , Director & Principal, Poornima College of Engineering, Jaipur	05 min	10.03 am to 10.08 am
3	Felicitation of Resource Persons	5 min	10.08am to 10.13 am
4	Vote of Thanks by Mrs. Snehal Moghe, Assistant Professor, PCE	5 min	10.13 am to 10.18 am
5	Digital Photograph	2 min	10.18 am to 10.20 am
		Total: 20 min (approx.)	

♦ DETAILS OF RESOURCE PERSONS:

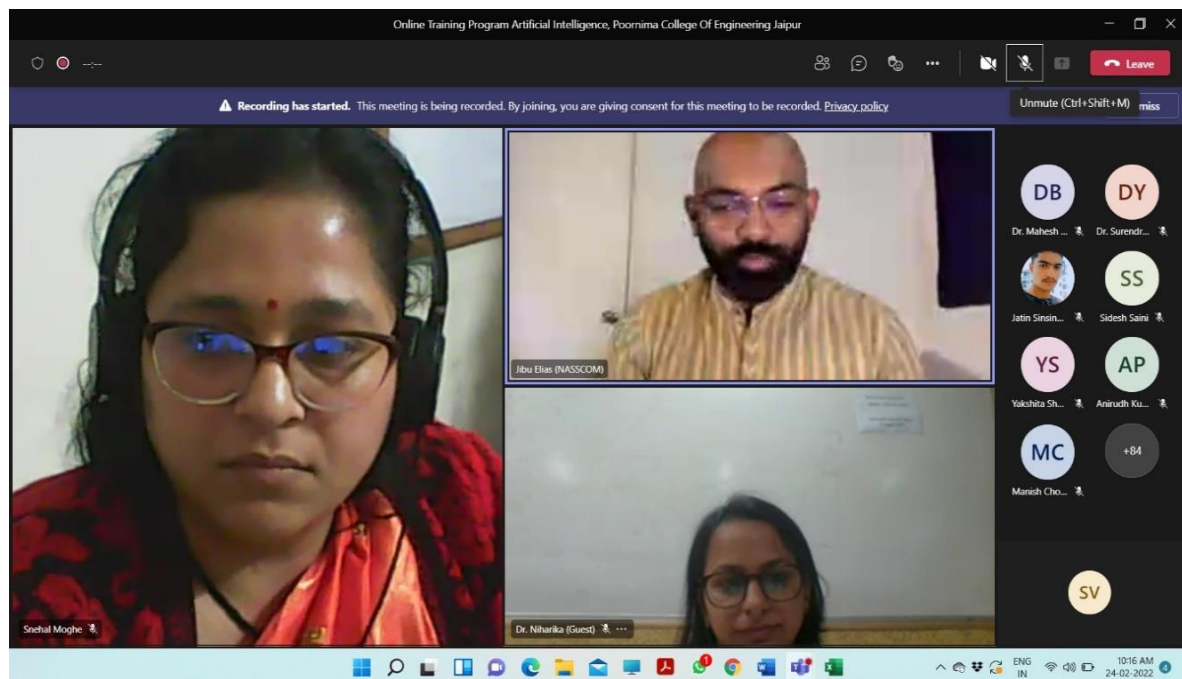
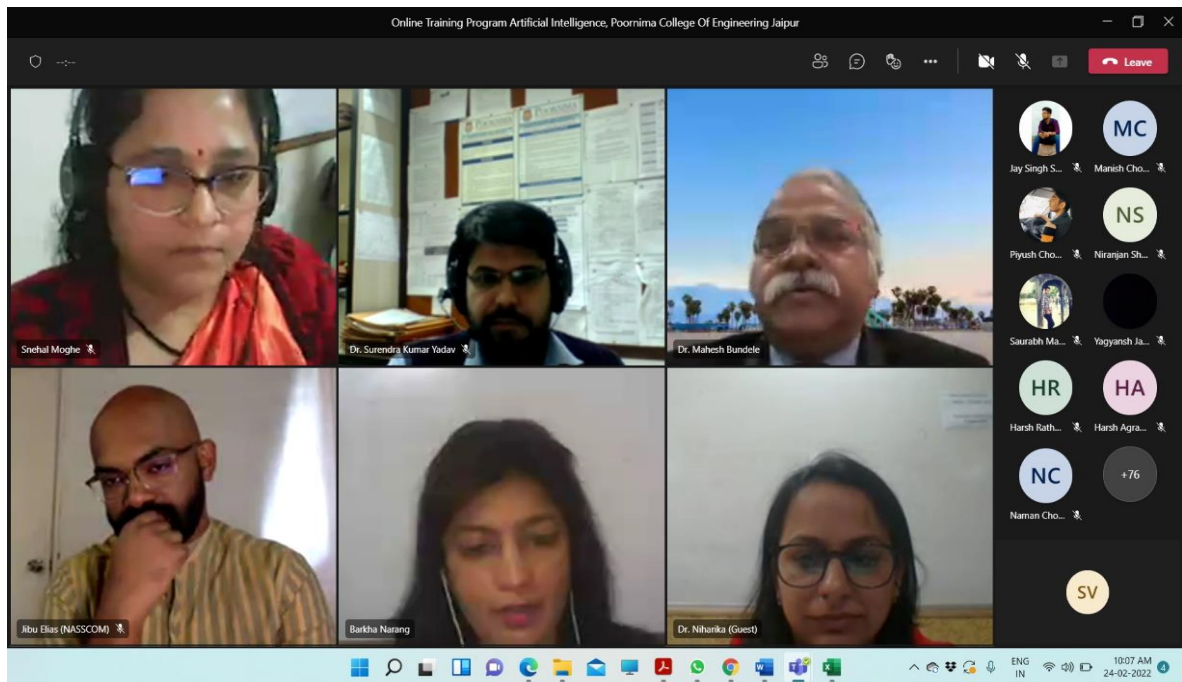
- Dr. Emmanuel R. Goffi who is the Co-Director of the Global AI Ethics Institute in Paris
- Mr. Jibu Elias is an AI Researcher and one of the leading experts on India's AI ecosystem
- Dr. Niharika Singh who is Ph. D from University of Petroleum and Energy

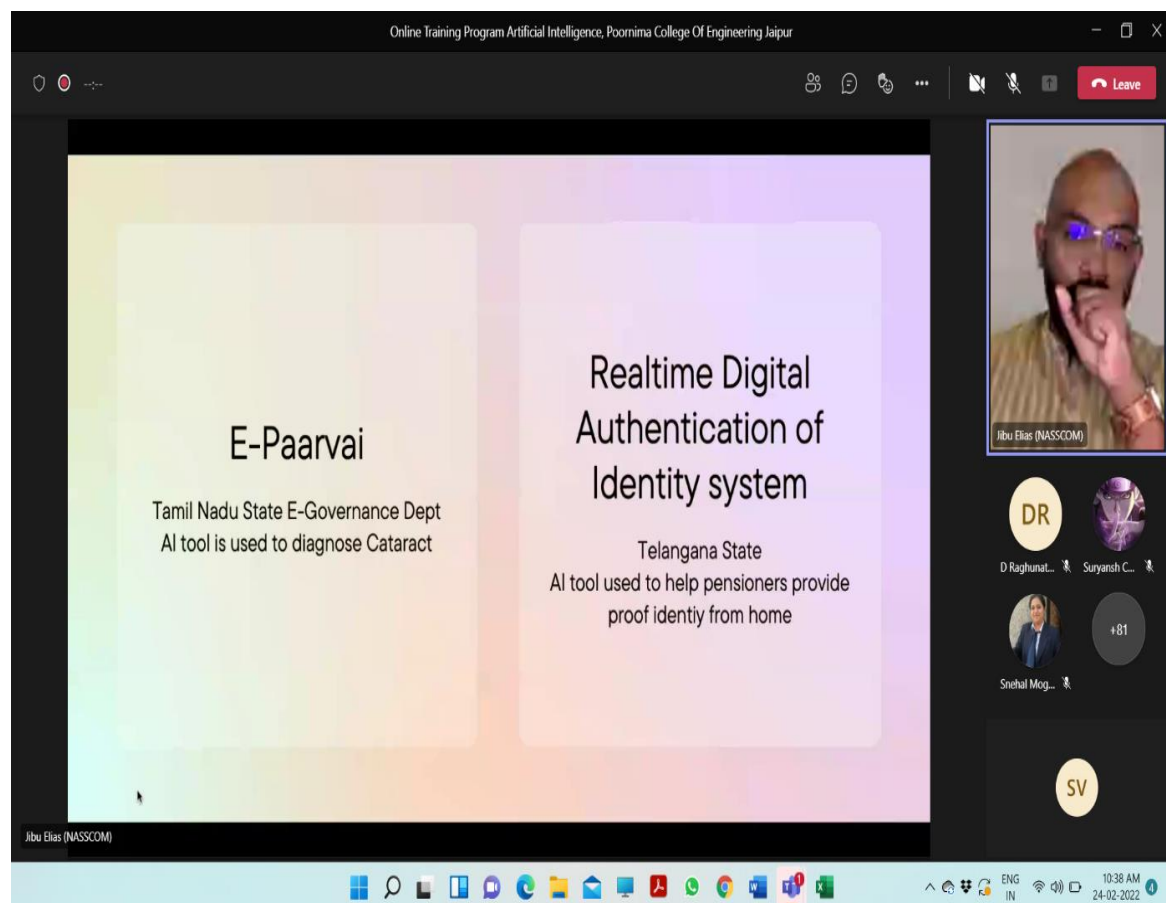
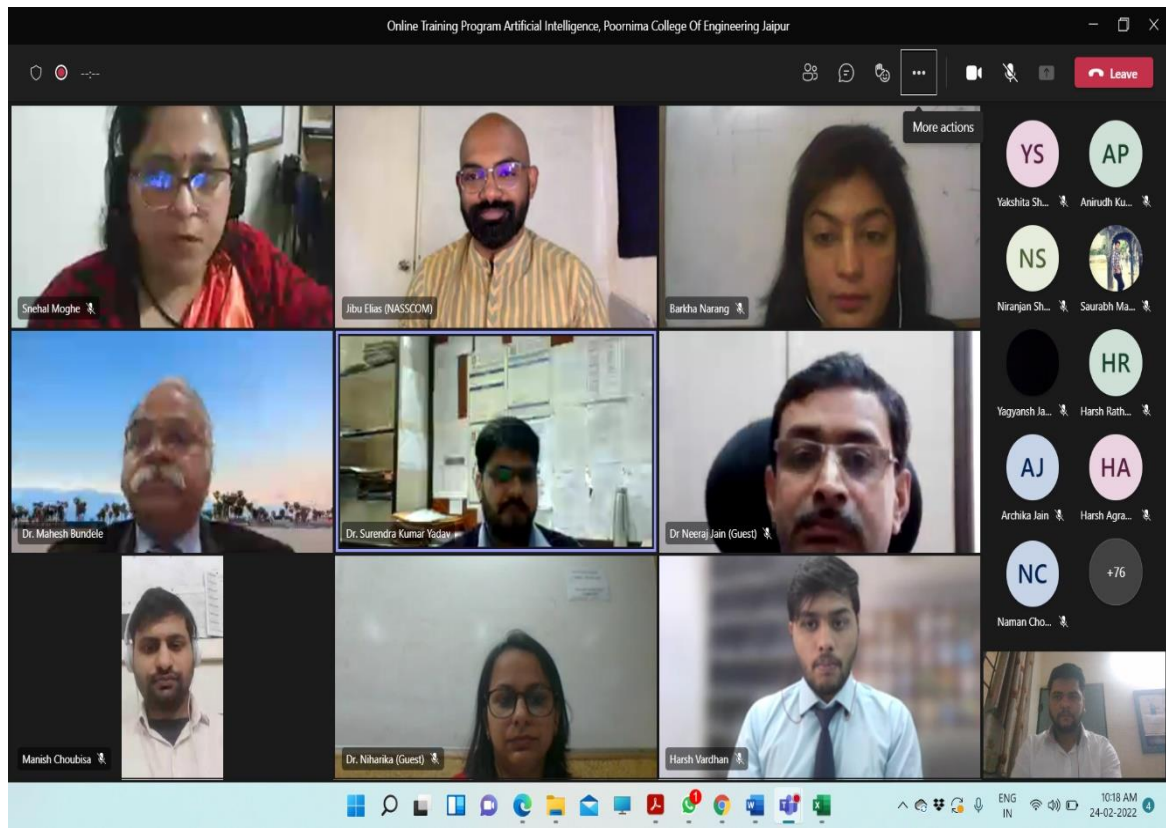
Poornima College of Engineering - Activity Report – 2021-22

Dehradun

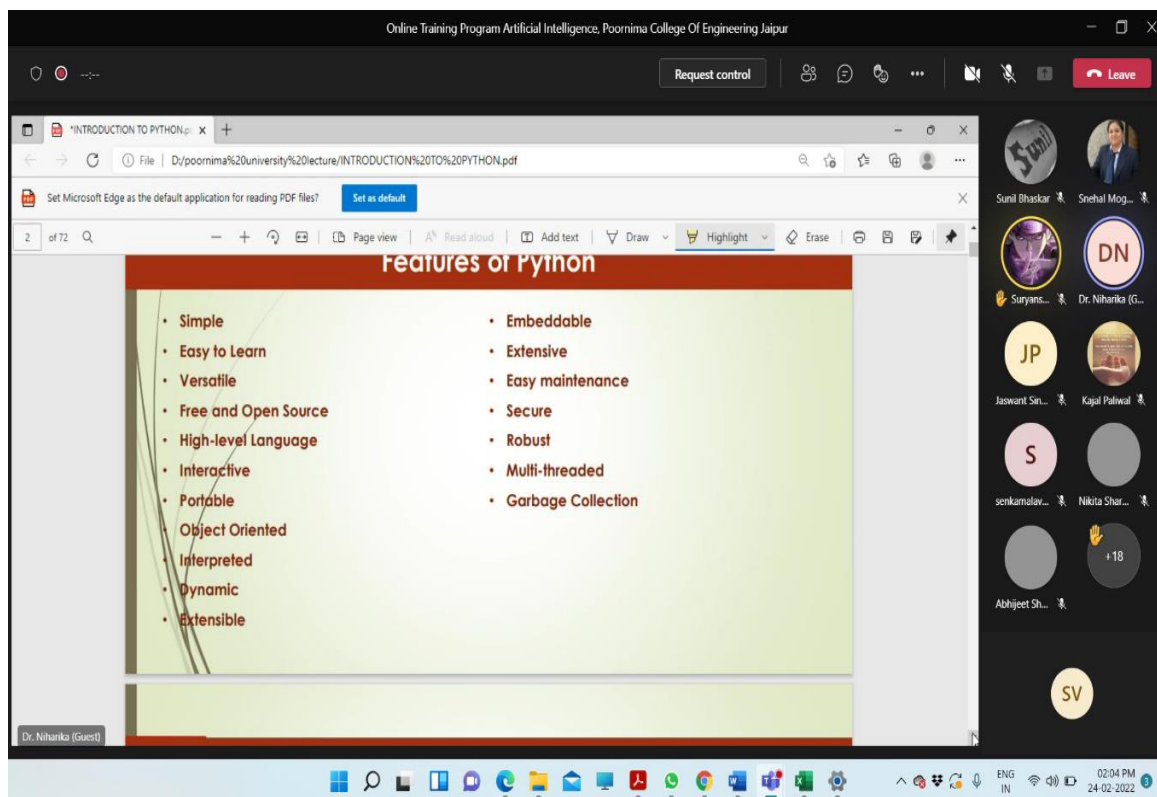
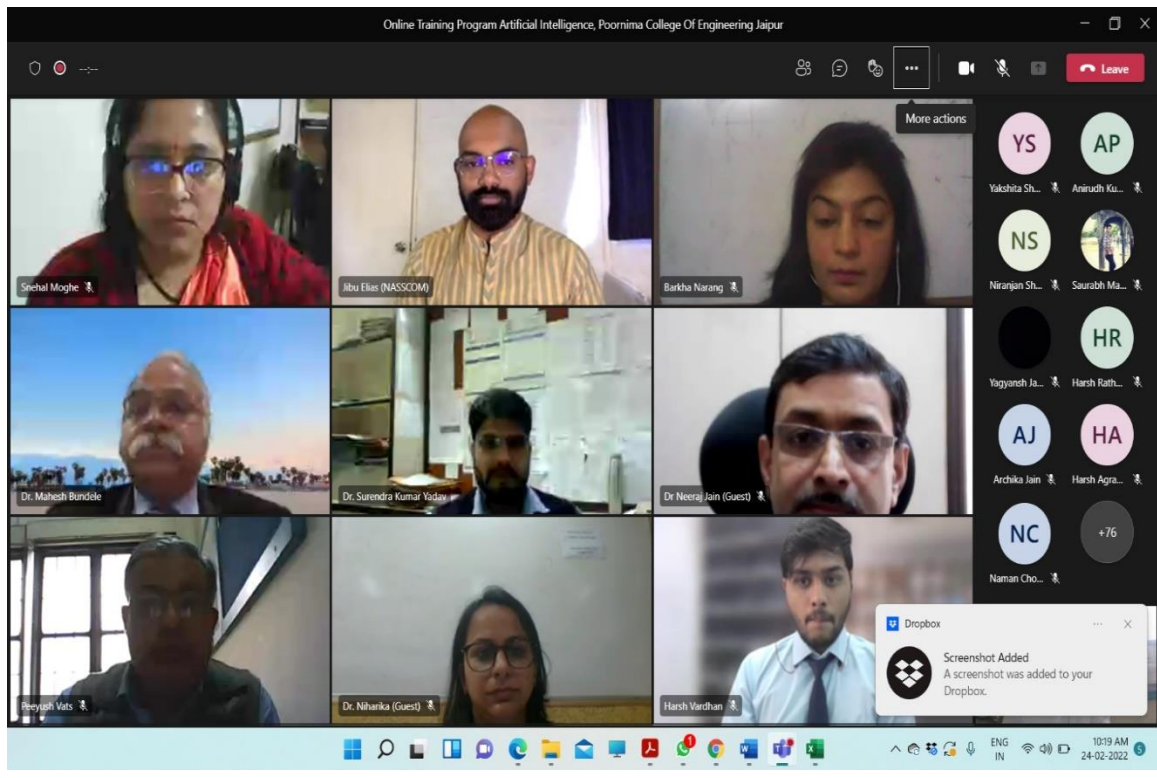
- Mrs. Snehal Moghe, Assistant Professor Computer Science Department at PCE. Jaipur.

GLIMPSES OF CONDUCTION:





Poornima College of Engineering - Activity Report – 2021-22



Online Training Program Artificial Intelligence, Poornima College Of Engineering Jaipur

Request control

INTRODUCTION TO PYTHON

Set Microsoft Edge as the default application for reading PDF files? Set as default

1 of 72

INTRODUCTION TO PYTHON

Dr. Niharika Singh,
Assistant Professor (Senior Scale)
UPES, Dehradun

Dr. Niharika (Guest)

DN DP

Dr. Niharika... DEVESH SO...

Suryansh C... Snehal Mog...

Kajal Pathwal... senkamalav...

Heena Kous... Shalendra ...

Nisha Bhati... +29

SV

ENG IN 02:51 PM 24-02-2022

Online Training Program Artificial Intelligence, Poornima College Of Engineering Jaipur

Governing AI Through Biased Ethics: A Cure Worse Than The Disease

GAIEI

Dr. Emmanuel R. Goffi
Co-founderr & co-Director
Global AI Ethics institute

February 25, 2022

POORNIMA COLLEGE OF ENGINEERING & TECHNOLOGY

SV

ENG IN 10:02 AM 25-02-2022

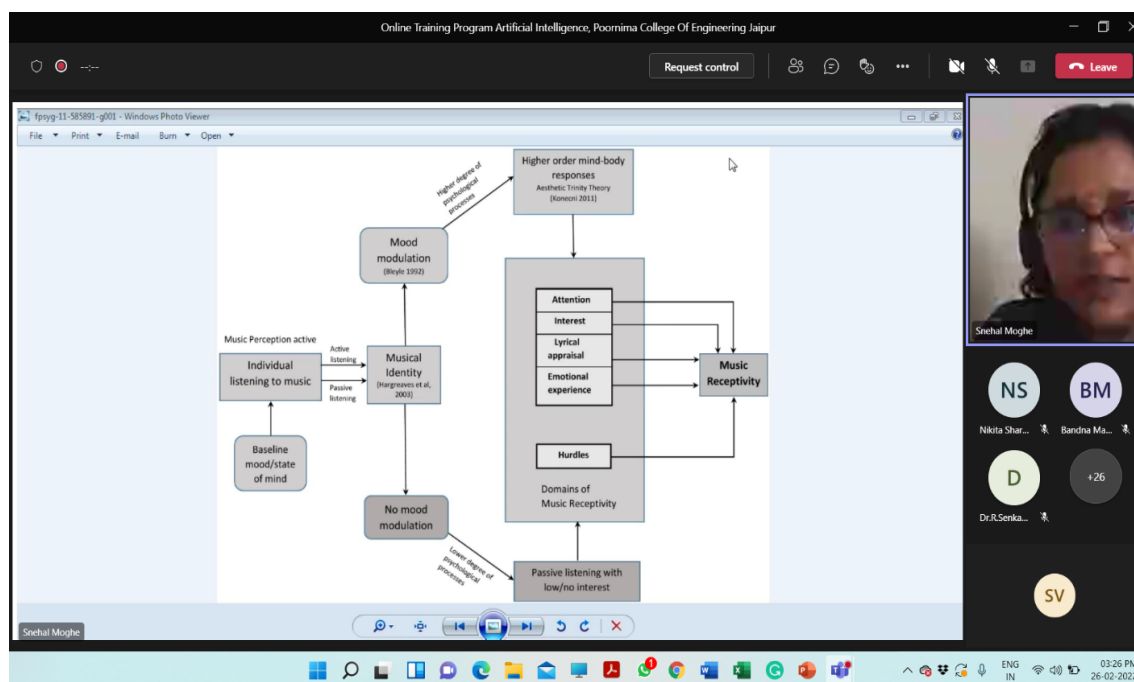
CONTENT DELIVERY / PRACTICAL SESSIONS:

- 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.

VALEDICTORY SESSIONS:

Felicitatation of Resource Persons and Vote of Thanks by Mrs. Snehal Moghe, Assistant Professor, PCE and then the photographs were taken.

LIST OF PARTICIPANTS:




S.No.	Full Name	Email id	Organization
1	Sumit Srivastava	srivastavasumit0204@gmail.com	Shambhunath Institute and Engineering Technology
2	Nisha Bhati	nishabhati8190@gmail.com	Poornima University
3	Kritesh Srivastava	skritesh66@gmail.com	Shambhunath Institute and Engineering Technology
4	Deepak Sharma	2021pceedeepak007@poornima.org	Poornima college of engineering
5	Ayushi Sahu	ayushisahu982@gmail.com	Shambhunath Institute and Engineering Technology
6	Ajay Sukhraj Gupta	ajaygupta91392@gmail.com	Shambhunath Institute of Management
7	Hemanshi kothari	ethera.hreieqi@gmail.com	Isim

Poornima College of Engineering - Activity Report – 2021-22

8	Rishabh Kumar	rishabhkumar71110@gmail.com	Shambhunath Institute of Engineering and Technology
9	Priyanshu Soni	2021pceecpriyanshu013@poornima.org	Poornima college of engineering Jaipur
10	Kashmi Choudhary	2021pceekashmi510@poornima.org	Poornima College of Engineering
11	Priyanshu soni	2021pceecpriyanshu013@poornima.org	Poornima college of engineering
12	Jaswant Singh Parihar	2021btechajdsjaswant9432@poornima.edu.in	Poornima university
13	Sunil Bhaskar	2021btechajds9926@poornima.edu.in	Poornima University
14	Abhishek Anjana	2020pgiadabhishek02@poornima.org	Poornima group of institutions
15	Shivani devi	2021pcecssshivani508@poornima.org	Poornima college of engineering
16	Ayushi Sharma	2021pceitaayushi511@poornima.org	Poornima College of engineering
17	Shivani Devi	2021pcecssshivani508@poornima.org	Poornima college of engineering
18	RAJESHWARI MODI	2021mtechrajeshwari9501@poornima.edu.in	Poornima univercity
19	Yogesh Bhandari	2021csyogesh10256@poornima.edu.in	Poornima University
20	Surender Kumar mahawar	2021cssurender9877@poornima.edu.in	Poornima University
21	Harsh Vardhan	2020pgicaharsh44@poornima.org	Poornima group of institutions
22	Mohd Saif	mohdsaif.fa@gmail.com	Shambhunath institute of engineering and technology
23	Shailendra Soni	2020pietadshailendra50@poornima.org	Poornima institute of engineering and technology
24	Sibghat Ali Khan	2020pcecssibghat211@poornima.org	Poornima college of engineering
25	Shubhi Rastogi	shubhirastogi1997@gmail.com	S.I.E.T.
26	Prajakta Kisan Suryawanshi	suryawanshiprajakta18@gmail.com	Laxman Devram Sonawane College, Kalyan(W) Maharashtra
27	Suryansh chaudhary	2020pgicasuryansh37@poornima.org	Poornima group of institutions
28	Kajal Paliwal	2020pgicakajal18@poornima.org	Poornima group of institutions
29	Sindhu B	sindhubangaru11@gmail.com	Adikavi Nannaya University
30	Akshaya D. Shetty	akshaya926@gmail.com	Mangalore Institute of Technology and Engineering, Moodbidri
31	Ankit Rana R	ar560084@gmail.com	East Point College of Engineering and Technology
32	Vipin Pandey	vipinpandey7065@gmail.com	Shambhunath Institute of Management ,Jhalwa ,prayagraj
33	Sumukh verma	sumukh27042001@gmail.com	Shambhunath Institute of management

Poornima College of Engineering - Activity Report – 2021-22

34	Bandna Maurya	mauryavandana0777@gmail.com	Sambhunath institute of engineering & technology
35	Nikita Sharma	2021mtechnikita10663@poornima.edu.in	Poornima University
36	Hemant Dadhich	2020pietadhemant17@poornima.org	Poornima Institute of Engineering and Technology
37	Yamini jaiswal	jais.yamini25@gmail.com	Shambhunath institute of engineering and technology
38	Tanya sinha	sinhatanya2000@gmail.com	SIET
39	Sakshi Tiwari	tsakshi984@gmail.com	Shambhunath Institute of Management
40	Manav Kumar	2020pietadmanav29@poornima.org	Poornima institute of engineering and technology
41	Santosh Kumawat	santoshkumawat2022@gmail.com	Poornima University
42	Divya U H	divya.uh@eastpoint.ac.in	East Point College of Engineering and Technology, Bangalore
43	R. Senkamalavalli	senkamalavalli.raja@gmail.com	East Point College of Engineering
44	Dr. Heena Kousar	hkheenakousar73@gmail.com	East Point College of Engineering and Technology
45	Manimegalai A	manimegalai.a@eastpoint.ac.in	East Point College of Engineering and Technology
46	Deepakfranklin P	frankece@gmail.com	Sriram engineering college
47	Prajakta Kisan Suryawanshi	suryawanshiprajakta18@gmail.com	Laxman Devram Sonawane College, Maharashtra
48	Mohit Soni	2021pceadmohit032@poornima.org	Poornima college of engineering
49	Parth Soni	2021pceadparth037@poornima.org	Poornima college of engineering
50	Deepakfranklin P	frankece@gmail.com	Sriram Engineering College
51	Emilin Shyni	shyniedwin@gmail.com	East Point College of Engineering and Technology
52	Santosh Kumawat	santoshkumawat2022@gmail.com	Poornima University
53	Sandhya Santosh Jawale	sandhyajawale06@gmail.com	Tilak Maharashtra Vidyapeeth
54	Jagadevi Bakka	jagadevi.bakka@gmail.com	East point College of Engineerin
55	Mamatha S	mamatha.ise@cambridge.edu.in	Cambridge Institute of Technology
56	Divya U H	divya.uh@eastpoint.ac.in	East Point College of Engineering and Technology
57	Anjali jain	2021csccloudanjali9996@poornima.edu.in	Poornima university
58	Pankaj Sevata	2021cspankaj10133@poornima.edu.in	Poornima University
59	Tanuj sharma	2021btechaidstanuj9788@poornima.edu.in	Poorn


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

Poornima College of Engineering - Activity Report – 2021-22

60	Mariyaprinicy A	princymariya92@gmail.com	St. Joseph college of engineering
61	Nithya P	pnithyacse@gmail.com	Ksr Institute For Engineering And Technology
62	Raj Sethi	2021csraj9253@poornima.edu.in	Poornima University
63	Nishmitha	nishmithadevadiga96@gmail.com	Mangalore Institute of Technology and Engineering Moodabidri
64	Kattela Siva Prasad	ksivaprasad286@gmail.com	GMR Institute of Technology
65	Kirti Kumar	2021kirtiaids9752@poornima.edu.in	Poornima University,jaipur
66	Kirti Kumar	2021btechaidskirti9752@poornima.edu.in	Poornima University, jaipur
67	Archna Ojha	2020bcaaiaarchna9137@poornima.edu.in	poornima university
68	Simran tahseen	simrantahseen@gmail.com	Shambhunath institute of Management
69	Praveen	praveenm@yit.edu.in	YIT
70	Abhishek Patwa	abhishekatwa@821gmail.com	Pce
71	Vimlesh Kumar Tiwari	tiwarivimlesh46@gmail.com	Shambhunath institute and engineering technology
72	Siddhi harsh	2020pgicssiddhi77@poornima.org	Poornima group of institutions
73	R.Geeths	geetha2312@gmail.com	Cambridge Institute of technology
74	Mohit kumar	2021btechaidsmohit9984@poornima.edu.in	Poornima university
75	Banti saini	sainibantiggc@gmail.com	Poornima College of Engineering
76	Abhijeet Sharma	abhijeetssharma8181@gmail.com	S.I.E.T.
77	Akhilesh Mishra	mishraakhileshrpr@gmail.com	SIET
78	Swastik kumar	iswastik07@gmail.com	East point college of engineering and technology
79	Praveen m	praveenm@yit.edu.in	YIT moodabidri
80	Gulshan Yadav	royroa143@gmail.com	Poornima college of engineering
81	Lovenit Sharma	2021csccloudlovenit9281@poornima.edu.in	Poornima university
82	Aashish saini	2021csaashish10381@poornima.edu.in	Poornima university
83	Bhanu pratap singh gehroli	2021btechaidsbhanu9898@poornima.edu.in	Poornima University
84	Devesh Soni	2021pceaddevesh011@poornima.org	Poornima College Of Engineering
85	Gulshan yadav	royroa143@gmail.com	Poornima college of engineering
86	Prateek Soni	2020pietcsprateek139@poornima.org	Piet
87	Fahad Muhammad Ali	2020pietcsfahad67@poornima.org	Poornima Institute of Engineering and Technology
88	Pankaj gupta	2021pceadpankaj035@poornima.	Poornima college of engineering

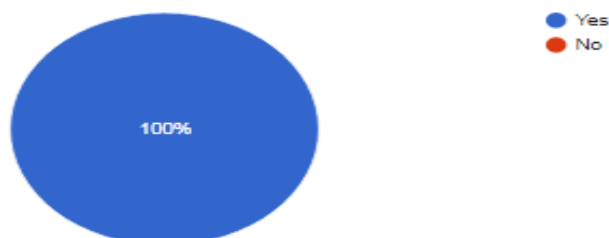
		org	engineering
89	Aryan Rana	2020pcecsaryan32@poornima.org	Poornima College of Engineering
90	Monika kumari	2015pietecmonika@gmail.com	Poornima
91	Antima Jain	2021pceadantima062@poornima.org	Poornima college of engineering
92	Kritesh Srivastava	skritesh66@gmail.com	shambhunath institute of engineering and technology
93	Gulshan Yadav	royroa143@gmail.com	Poornima college of engineering

♦ 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.

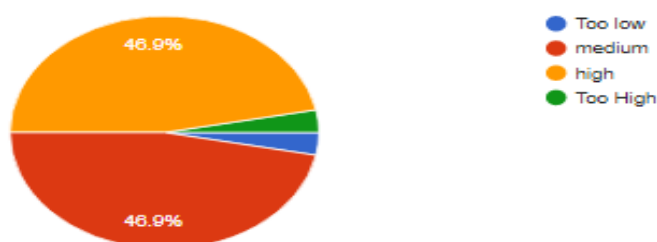
Were objectives of the course clear to you ?

32 responses



The level of the course was

32 responses

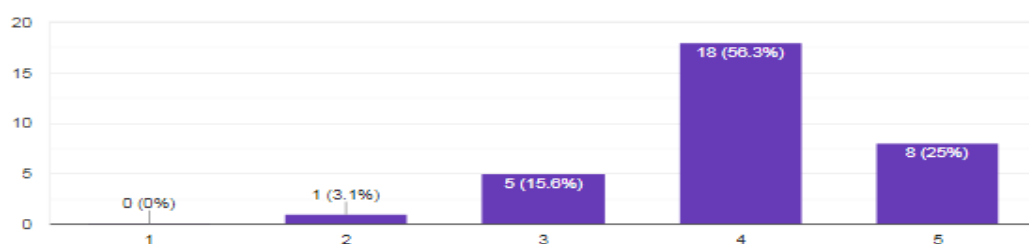


Poornima College of Engineering - Activity Report – 2021-22

Will you recommend this course to your colleagues?

 Copy

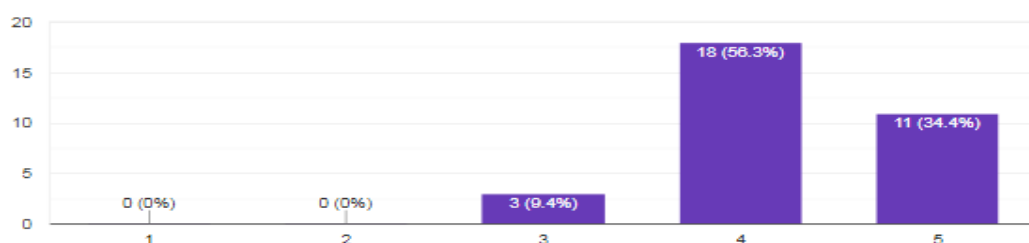
32 responses



The lectures were clear and easy to understand

 Copy

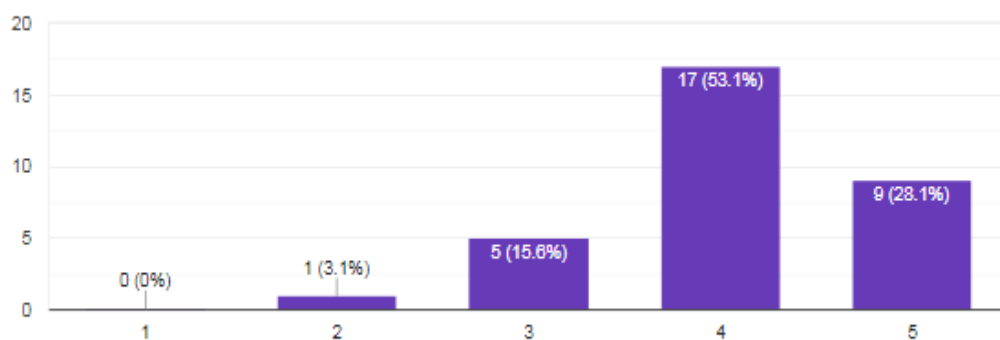
32 responses



The course contents met with your expectations

 Copy

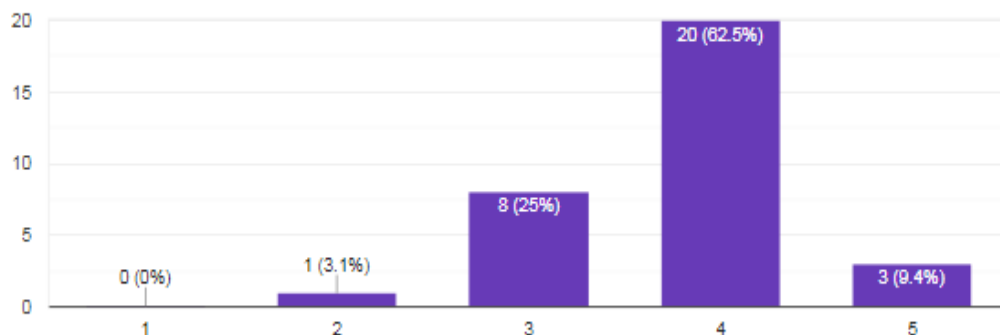
32 responses



The course content compared with your expectations

 Copy

32 responses



♦ **SWOT ANALYSIS:**

- It promotes student-centered learning and collaboration.
- Lessons and Contents are more accessible
- It can more efficient
- It relies on preparation and trust
- There is significant work on the front end.
- This is more about proper planning and includes any iteration required for the purpose of highly building highly scalable software.

♦ **BUDGET & ACTUALS: N/A**