**SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY**
**(Autonomous)**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

# CIRCULAR

**Date: 25-11-2024**

It is hereby informed that our department is planned to organize an Online Seminar to all the students of IT department on the topic **"AI Technologies and the Future of Work"** on **30-11-2024**. All the students are instructed to use this opportunity and attend the same without fail.

**HOD - IT**

**Copy to:**

1. Principal sir for kind information
2. Circulate among the faculty
3. Circulate among the students

**Sri Venkateswara College of Engineering and Technology**

**(Autonomous)**

**R V S Nagar, Chittoor, Andhra Pradesh, 517127 India**

**Department of Information Technology in Association with**
**SIE Cell SVCET & ACM student chapter**

Cordially invite you for the Online Seminar

**"AI Technologies and The Future of Work"**

Resource Person

**Mr. Bishnu Kumar Bhagat, Technical Lead at Veri Park,**

**Hamburg, Germany.**

Date: **30-11-2024**


Event Coordinator

Mr.S.R.Rajkumar, Prof/IT

HOD – IT

(Dr. J.Velmurugan)

# SRI VENKATESWARA COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous)
Accredited by NBA (Tier-1) & NAAC with 'A+' Grade, Approved by AICTE & Affiliated to JNTUA, Anantapuramu
R.V.S Knowledge District, Chittoor - 517127, AP

## ALUMNI CONNECT

ORGANISED
BY
SIE CELL IN ASSOCIATION
WITH
DEPARTMENT OF INFORMATION TECHNOLOGY

## "AI TECHNOLOGIES AND THE FUTURE OF WORK"

Resource Person
Mr. Bishnu Kumar Bhagat
Technical Lead at Veripark
Hamburg, Germany

Online (Google Meet)

Date
30th November 2024

Time
02:30 PM to 03.30 PM

Co-Coordinator
Mr.S.Raj Kumar M.Tech.,
Professor, Dept.of IT

Dean, SIE Cell
Dr.T. Raja Reddy

Co-Patrons
Dr.M. Mohan Babu
Principal, SVCET

# Seminar Report

**Title:** AI Technologies and The Future of Work
**Date:** November 30, 2024
**Mode:** Online
**Venue:** SVCET
**Audience:** Students of the IT Department, SVCET
**Coordinator:** Mr. S.R. Rajkumar and IT Department Faculty Members
**HoD-IT:** Dr. J. Velmurugan

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The Department of Information Technology at SVCET hosted a seminar titled *"AI Technologies and The Future of Work"* on November 30, 2024. The event was conducted online and featured Mr. Bishnu Kumar Bhagat, Technical Lead at Veri Park, Hamburg, Germany, as the distinguished resource person. The seminar was attended by enthusiastic IT students, guided by the faculty team, and coordinated by Mr. S.R. Rajkumar under the leadership of Dr. J. Velmurugan, HoD of IT.

## Objective of the Seminar

The primary aim of the seminar was to provide students with an in-depth understanding of the evolving landscape of artificial intelligence (AI) and its transformative impact on the future of work. The session was designed to bridge the gap between academic knowledge and practical industry insights, preparing students for upcoming trends in the IT industry.

## Highlights of the Seminar

1. **Introduction to AI Technologies:**
   Mr. Bhagat began by explaining the fundamental concepts of AI, including machine learning, deep learning, natural language processing, and computer vision. He emphasized how these technologies are reshaping industries and automating complex tasks.
2. **Emerging Trends in AI:**
   He detailed the latest advancements in AI, such as generative AI, edge computing, AI in the cloud, and ethical considerations in AI deployment. Case studies from Veri Park were shared to illustrate real-world applications.

3. **Impact on the Future of Work:**
    - Mr. Bhagat highlighted how AI is redefining roles across various sectors, from healthcare and finance to education and logistics.
    - He discussed the creation of new job roles, such as AI ethicists, AI trainers, and data annotators, alongside the automation of repetitive tasks.
    - Students were advised to focus on developing critical thinking, problem-solving, and creativity to stay relevant in an AI-driven workplace.
4. **Skill Development and Career Guidance:**
   Mr. Bhagat shared tips on skills that IT professionals should cultivate, including programming in Python, understanding AI frameworks like TensorFlow and PyTorch, and staying updated with trends in data science and AI ethics. He encouraged students to embrace continuous learning and experimentation.
5. **Interactive Q&A Session:**
   The seminar concluded with an engaging Q&A session where students asked insightful questions about AI trends, its ethical implications, and career opportunities. Mr. Bhagat provided practical advice and motivated students to embrace challenges in this dynamic field.

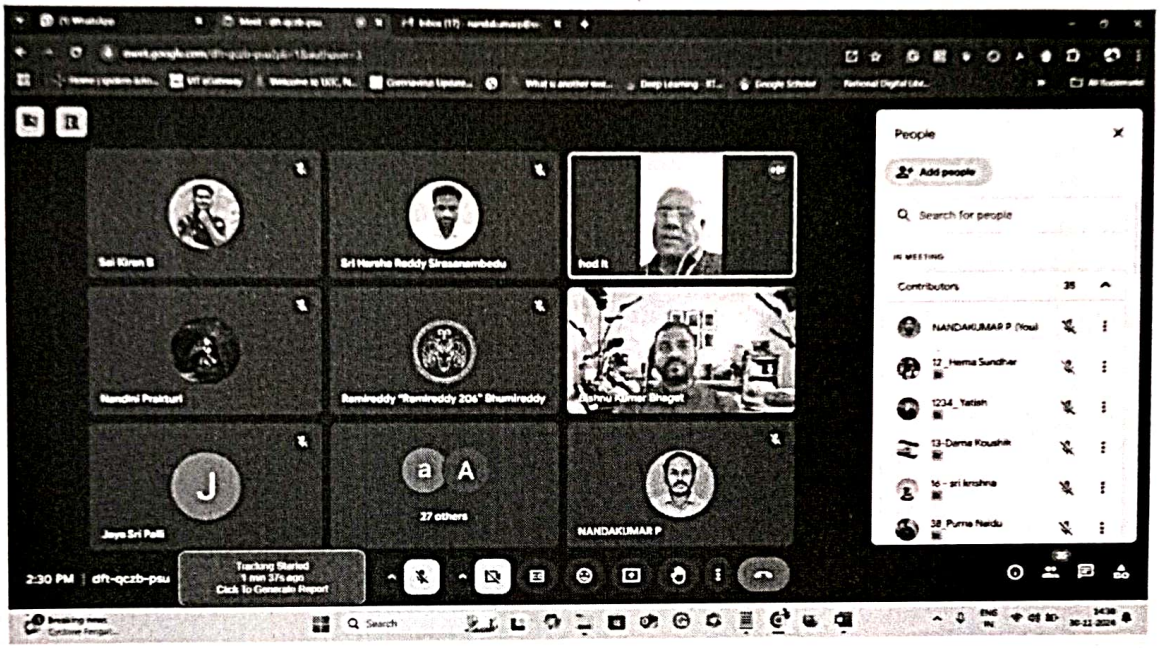
## Conclusion

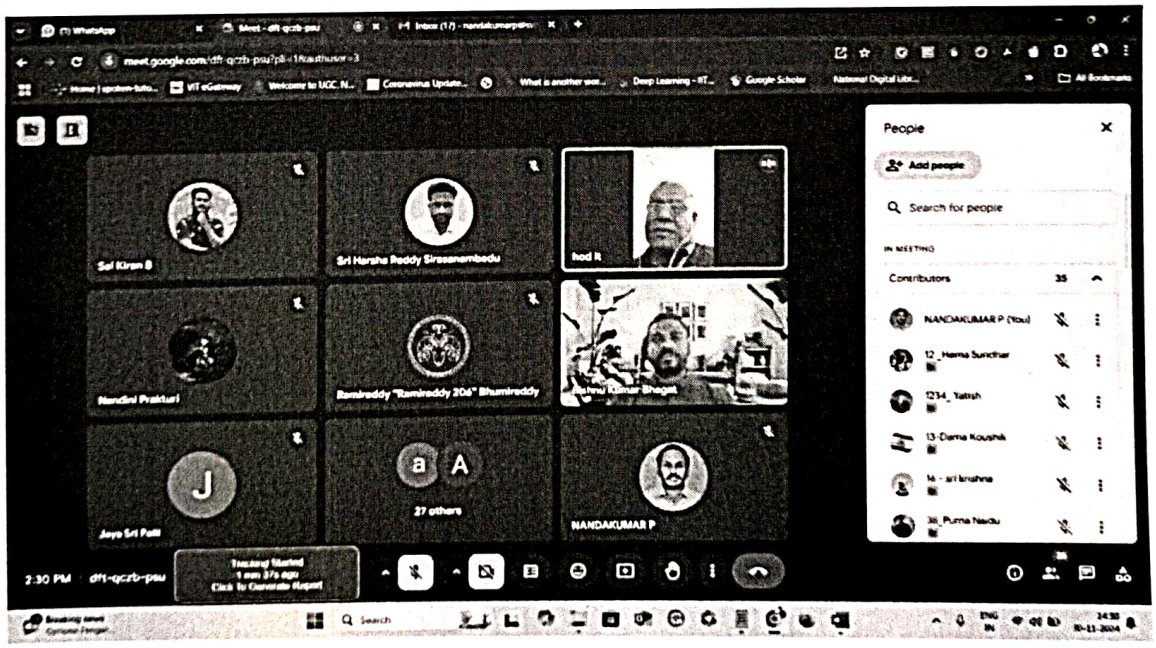
The seminar was an immense success, offering students a valuable perspective on the intersection of AI technologies and the future of work. The practical insights shared by Mr. Bhagat were deeply appreciated by the audience.

Dr. J. Velmurugan, HoD of IT, delivered the vote of thanks, expressing gratitude to Mr. Bhagat for his enlightening session and the organizing team for their efforts. The seminar served as a significant step in empowering IT students to prepare for the challenges and opportunities in the rapidly evolving tech landscape.

**Feedback:**
The participants highly praised the seminar, noting that it broadened their understanding of AI and inspired them to explore its potential in their academic and professional pursuits.

# Screenshots




Bishnu Kumar Bhagat (Presenting)
AI Technologies & The Future of Work
Bishnu Kumar BHAGAT
Saturday, 30 Nov 2024
SVCET, Chittoor
Jaya Sri Palli
Syed Sameer
Nandini Prakturi
Aaimayed Syed
34 others
NANDAKUMAR P
2:34 PM | dft-qczb-psu
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5 min 18s ago
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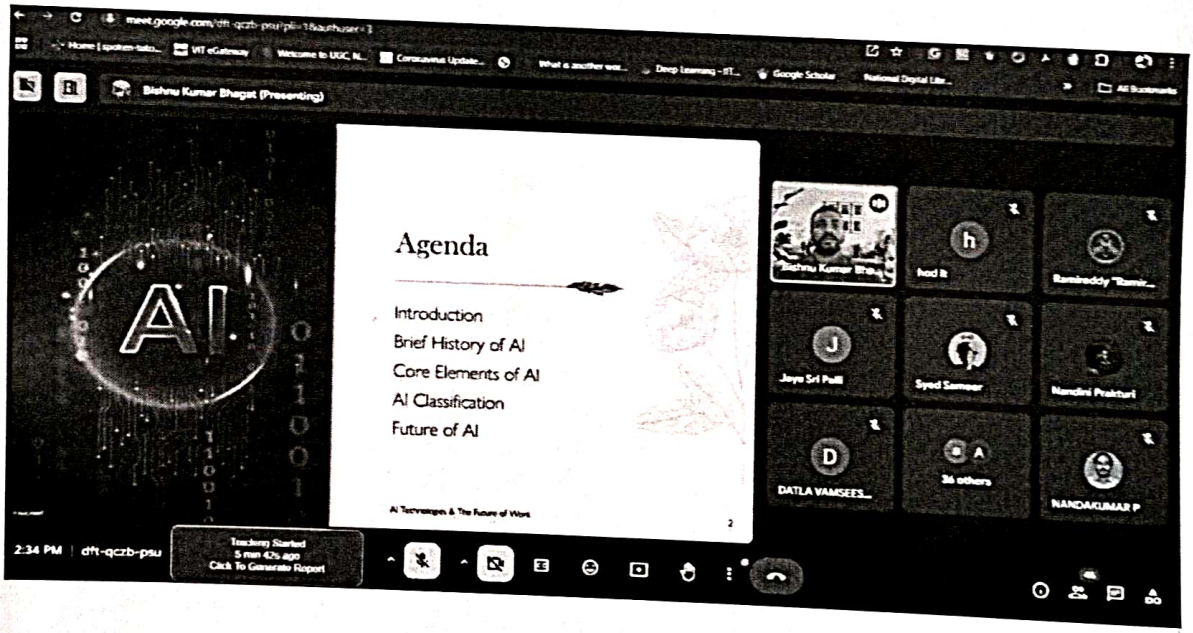
Bishnu Kumar Bhagat (Presenting)
AI
Agenda
Introduction
Brief History of AI
Core Elements of AI
AI Classification
Future of AI
AI Technologies & The Future of Work
2
Jaya Sri Palli
Syed Sameer
Nandini Prakturi
DATLA VAMSEES...
36 others
NANDAKUMAR P
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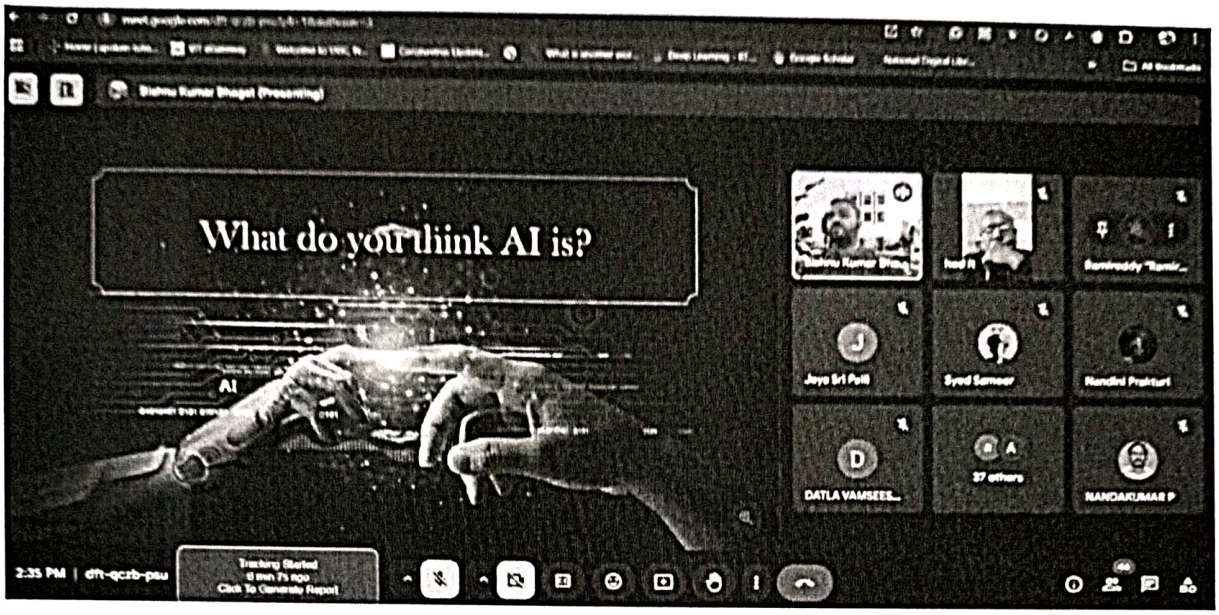
Bishnu Kumar Bhagat (Presenting)
What do you think AI is?
AI
Jaya Sri Patil
Syed Sameer
Nandini Prakturi
DATLA VAMSEES...
37 others
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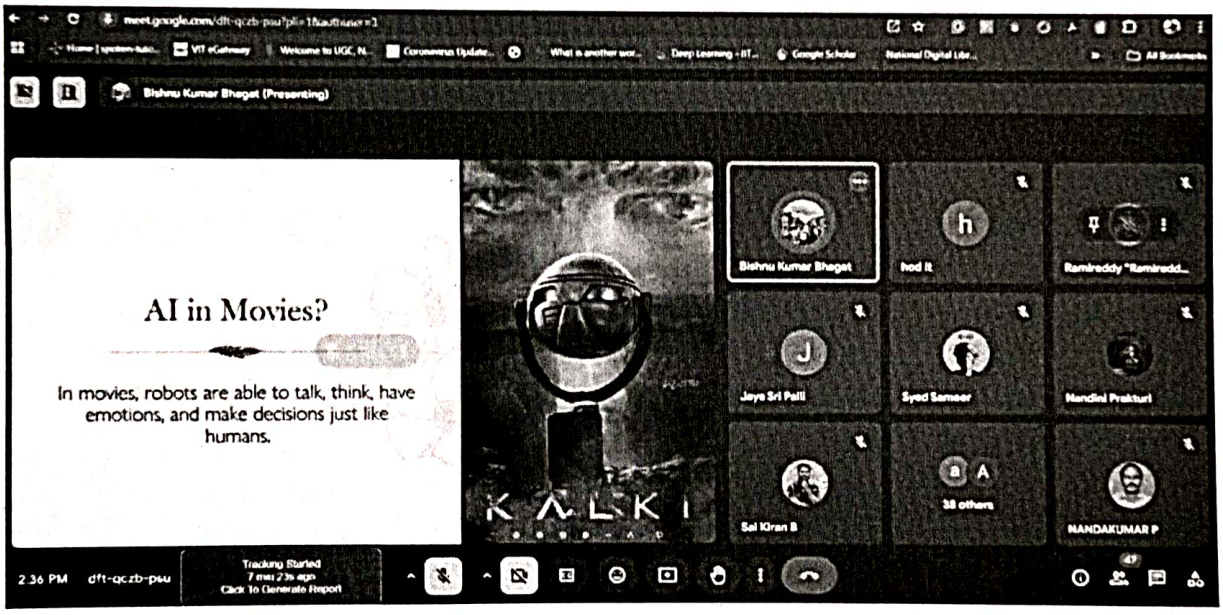
Bishnu Kumar Bhagat (Presenting)
AI in Movies?
In movies, robots are able to talk, think, have emotions, and make decisions just like humans.
KALKI
Bishnu Kumar Bhagat
hod it
Jaya Sri Patil
Syed Sameer
Nandini Prakturi
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38 others
NANDAKUMAR P
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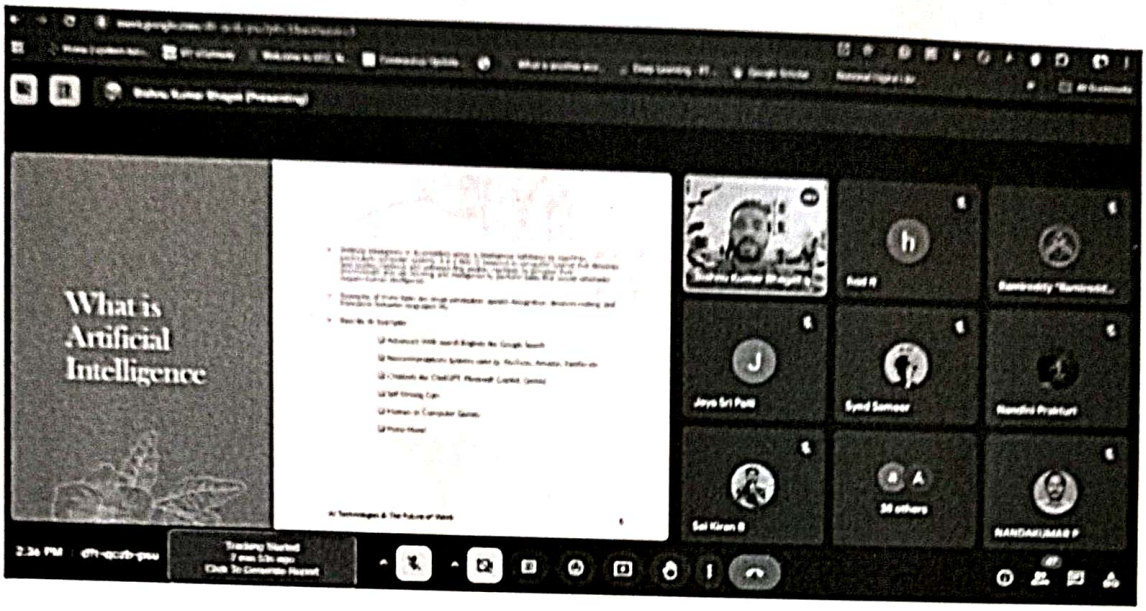
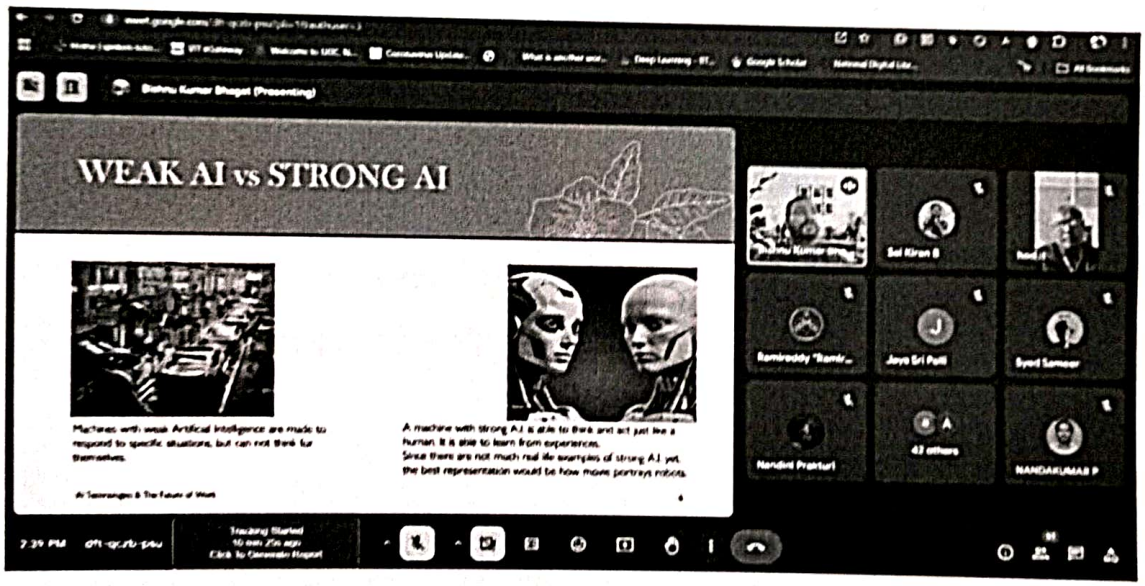
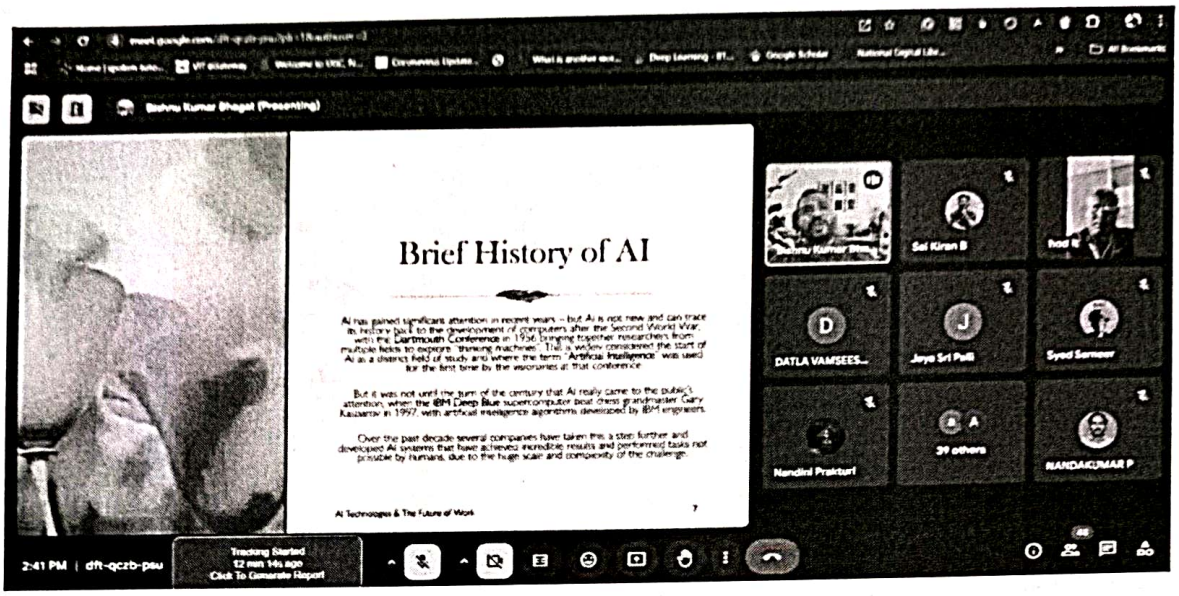

What is Artificial Intelligence


WEAK AI vs STRONG AI
Machines with weak Artificial Intelligence are made to respond to specific situations, but can not think for themselves.
A machine with strong A.I is able to think and act just like a human. It is able to learn from experiences.
Since there are not much real life examples of strong A.I yet, the best representation would be how movie portrays robots.


Bishnu Kumar Bhagat (Presenting)
Brief History of AI
AI has gained significant attention in recent years – but AI is not new and can trace its history back to the development of computers after the Second World War, with the Dartmouth Conference in 1956, bringing together researchers from multiple fields to explore "thinking machines". This is widely considered the start of AI as a distinct field of study and where the term "Artificial Intelligence" was used for the first time by the visionaries at that conference.
But it was not until the turn of the century that AI really came to the public's attention, when the IBM Deep Blue supercomputer beat chess grandmaster Garry Kasparov in 1997, with artificial intelligence algorithms developed by IBM engineers.
Over the past decade several companies have taken this a step further and developed AI systems that have achieved incredible results and performed tasks not possible by humans, due to the huge scale and complexity of the challenge.
AI Technologies & The Future of Work
7
Sai Kiran B
DATLA VAMSEES...
Jaya Sri Palli
Syed Sameer
Nandini Prakturi
39 others
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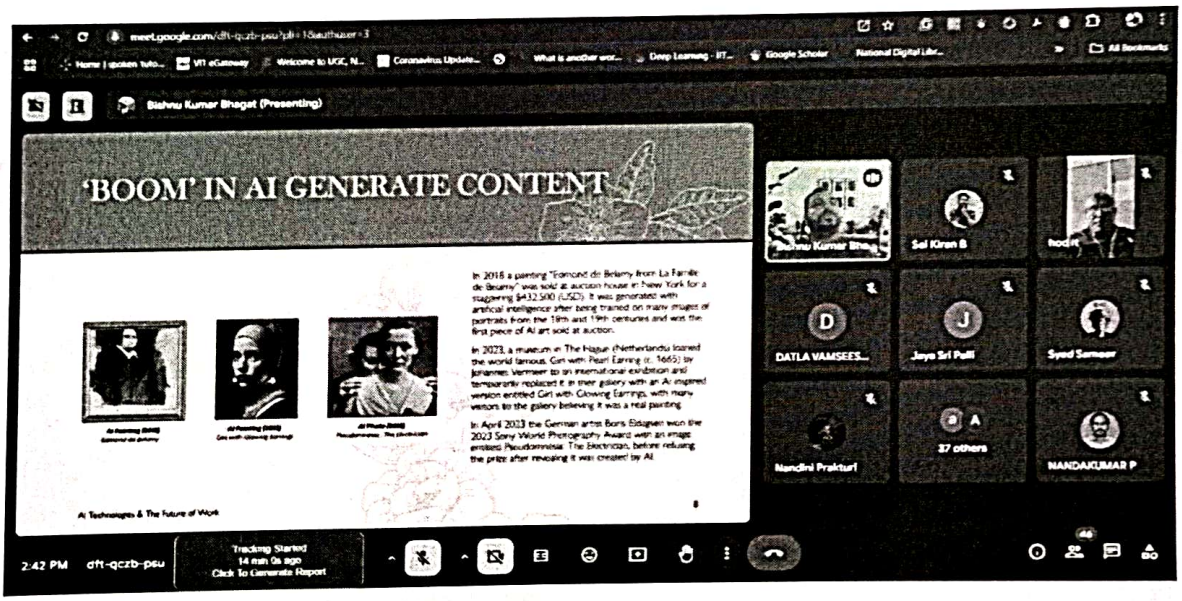
Bishnu Kumar Bhagat (Presenting)
'BOOM' IN AI GENERATE CONTENT
In 2018 a painting "Edmond de Belamy from La Famille de Belamy" was sold at auction house in New York for a staggering $432,500 (USD). It was generated with artificial intelligence after being trained on many images of portraits from the 18th and 19th centuries and was the first piece of AI art sold at auction.
In 2023, a museum in The Hague (Netherlands) loaned the world famous, Girl with Pearl Earring (c. 1665) by Johannes Vermeer to an international exhibition and temporarily replaced it in their gallery with an AI inspired version entitled Girl with Glowing Earrings, with many visitors to the gallery believing it was a real painting.
In April 2023 the German artist Boris Eldagsen won the 2023 Sony World Photography Award with an image entitled Pseudomnesia: The Electrician, before refusing the prize after revealing it was created by AI.
AI Technologies & The Future of Work
8
Sai Kiran B
DATLA VAMSEES...
Jaya Sri Palli
Syed Sameer
Nandini Prakturi
37 others
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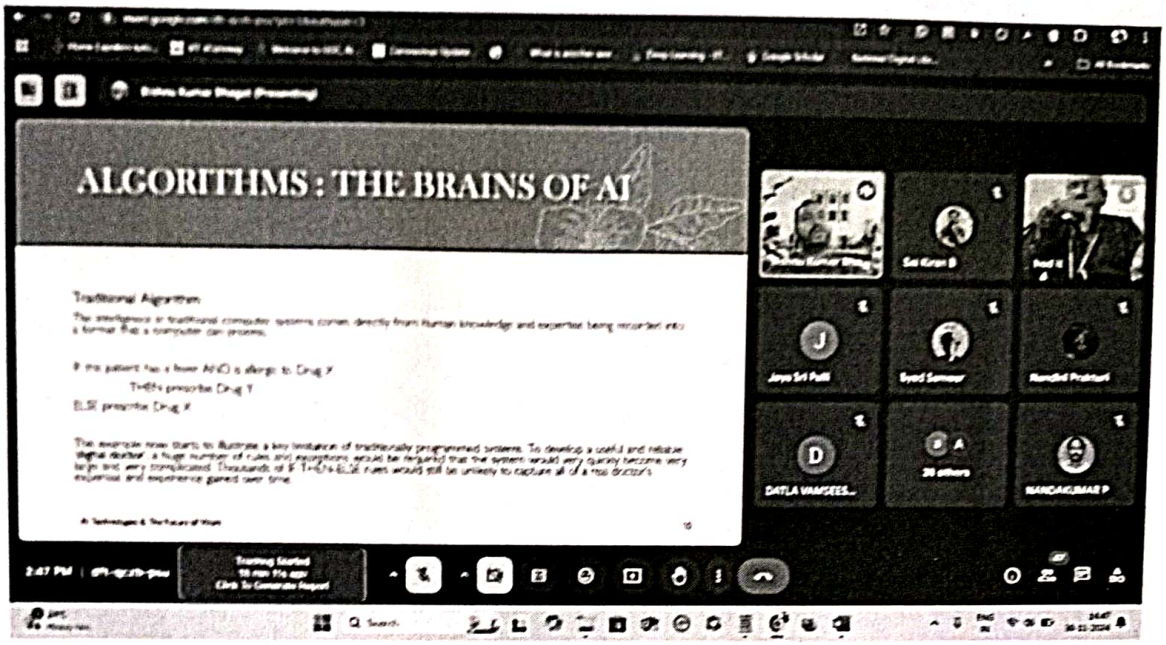
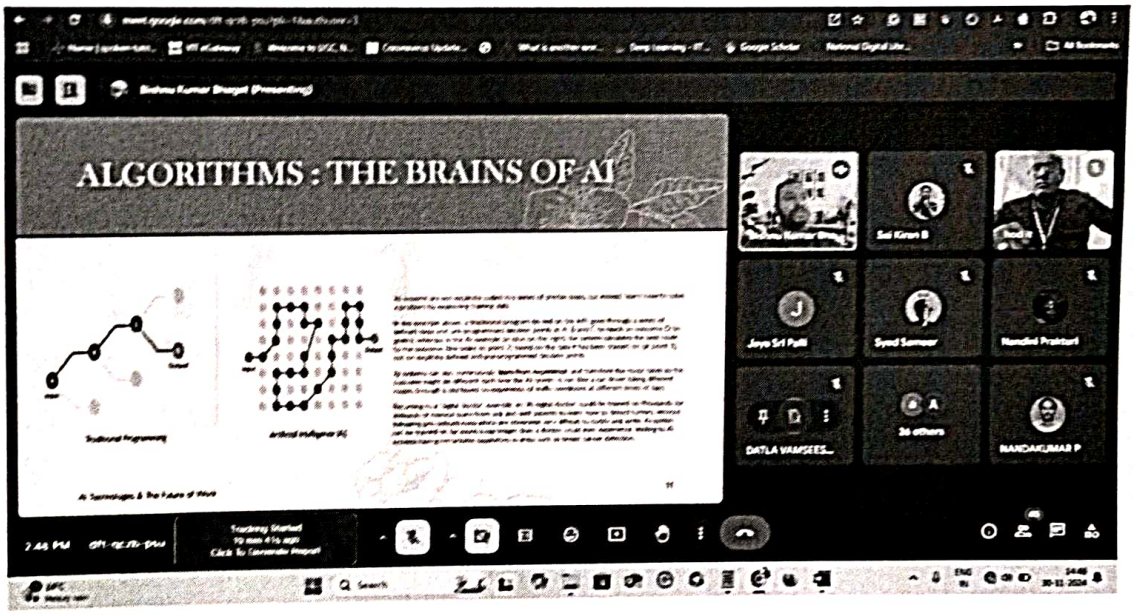

ALGORITHMS : THE BRAINS OF AI
Traditional Algorithm
Joyo Sri Putli
Syed Sameer
Nandini Prakash
DATLA VAMSEES...
36 others
NANDAKUMAR P


ALGORITHMS : THE BRAINS OF AI
Joyo Sri Putli
Syed Sameer
Nandini Prakash
DATLA VAMSEES...
36 others
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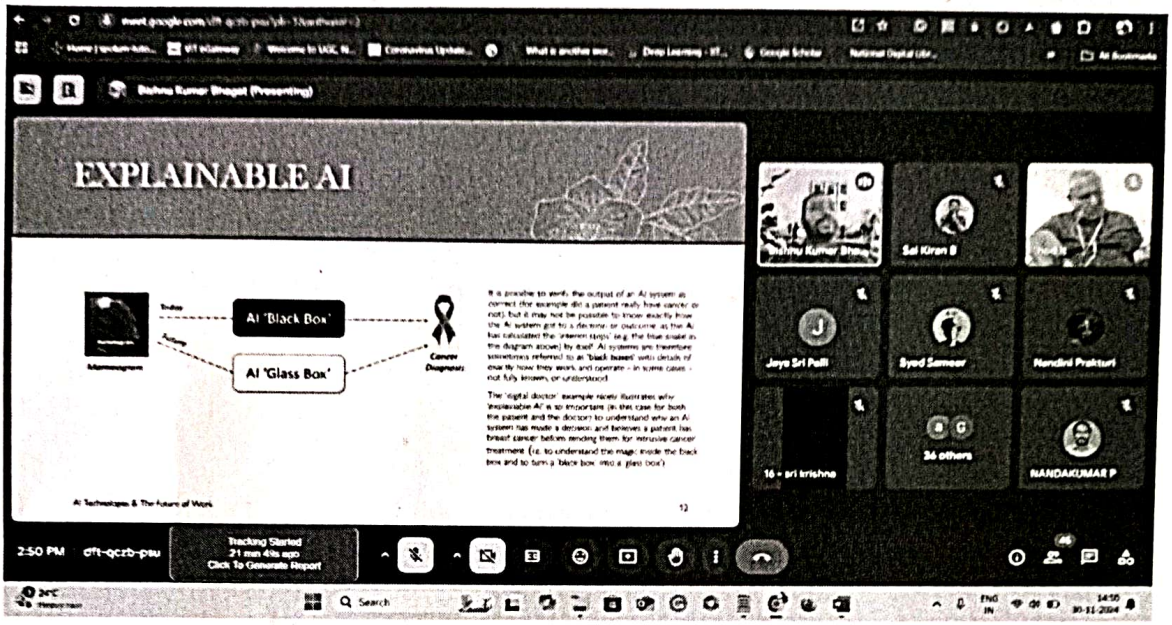
Bishnu Kumar Bhagat (Presenting)
EXPLAINABLE AI
AI 'Black Box'
AI 'Glass Box'
Cancer Diagnosis
AI Technologies & The Future of Work
12
Sai Kiran B
Jaya Sri Palli
Syed Sameer
Nandini Prakturi
16 - sri krishna
36 others
NANDAKUMAR P
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Bishnu Kumar Bhagat (Presenting)
TRAINING AI
Artificial Intelligence
Machine Learning
Deep Learning
AI Technologies & The Future of Work
13
Sai Kiran B
Jaya Sri Palli
Syed Sameer
Nandini Prakturi
DATLA VAMSEES...
37 others
NANDAKUMAR P
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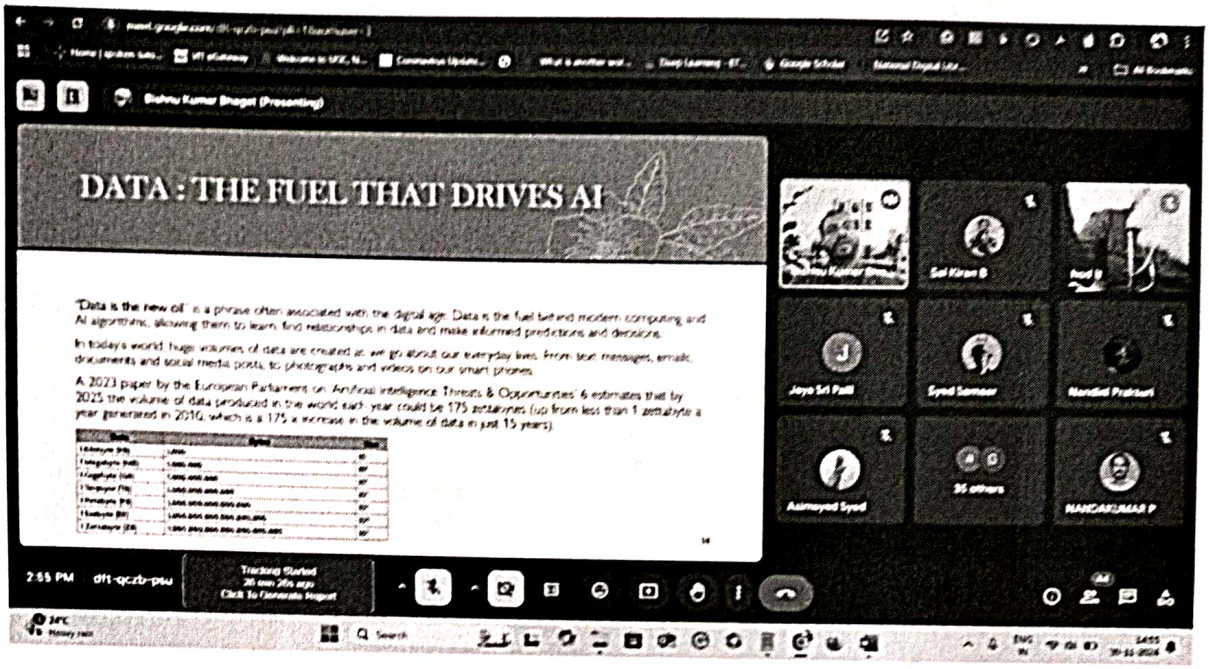
Bishnu Kumar Bhagat (Presenting)
DATA : THE FUEL THAT DRIVES AI
"Data is the new oil" is a phrase often associated with the digital age. Data is the fuel behind modern computing and AI algorithms, allowing them to learn, find relationships in data and make informed predictions and decisions.
In today's world, huge volumes of data are created as we go about our everyday lives, from: text messages, emails, documents and social media posts, to photographs and videos on our smart phones.
A 2023 paper by the European Parliament on 'Artificial Intelligence Threats & Opportunities' 6 estimates that by 2025, the volume of data produced in the world each year could be 175 zettabytes (up from less than 1 zettabyte a year generated in 2010, which is a 175 x increase in the volume of data in just 15 years).
Sai Kiran B
Jaya Sri Patil
Syed Sameer
Nandini Prakruti
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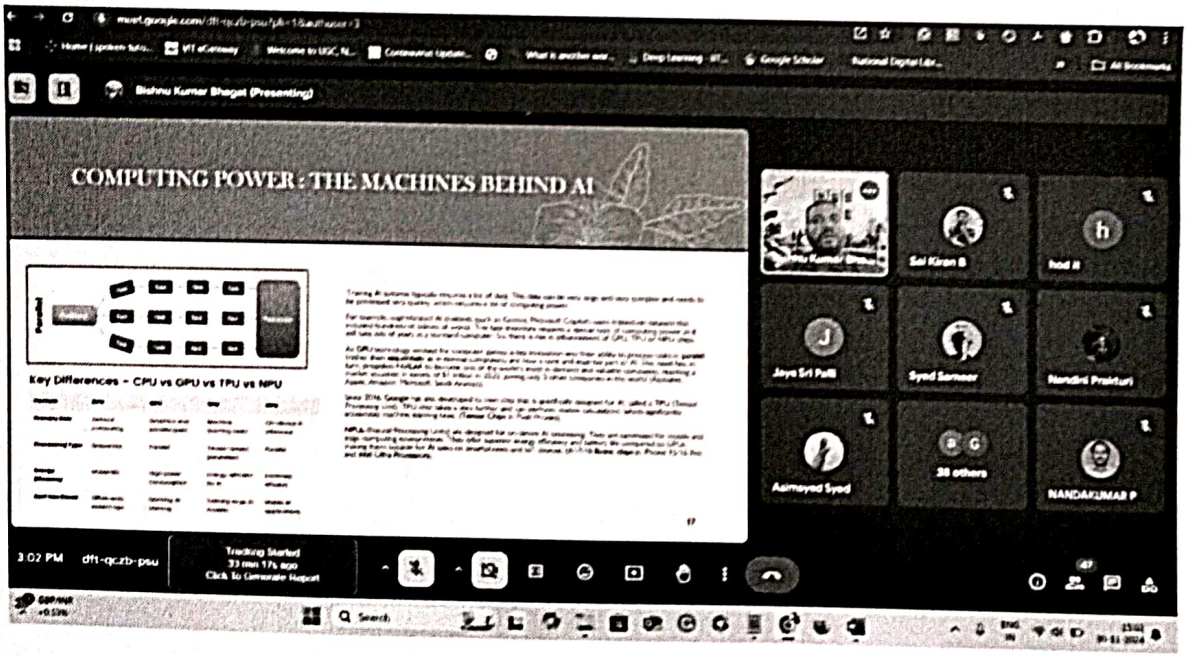
Bishnu Kumar Bhagat (Presenting)
COMPUTING POWER : THE MACHINES BEHIND AI
Key Differences - CPU vs GPU vs TPU vs NPU
Sai Kiran B
Jaya Sri Patil
Syed Sameer
Nandini Prakruti
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38 others
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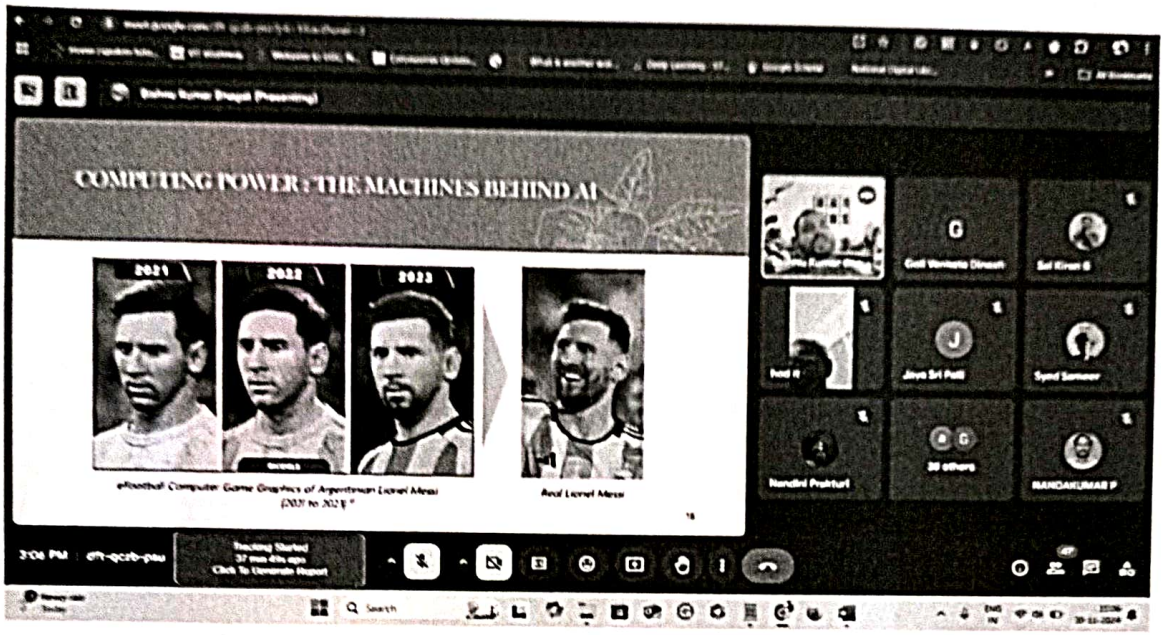
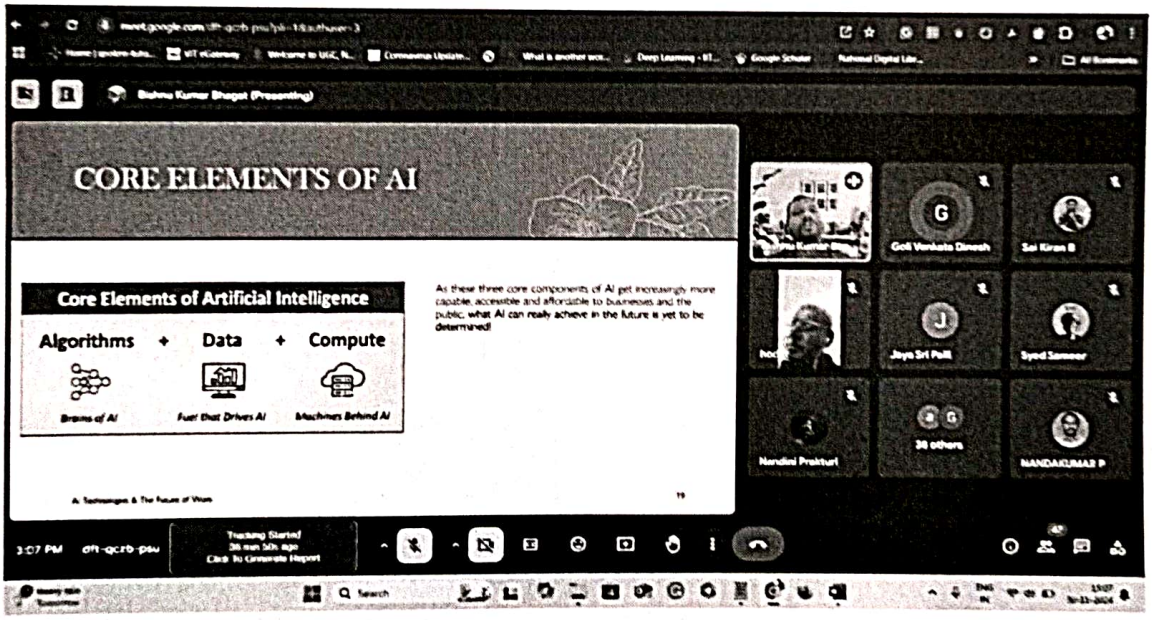
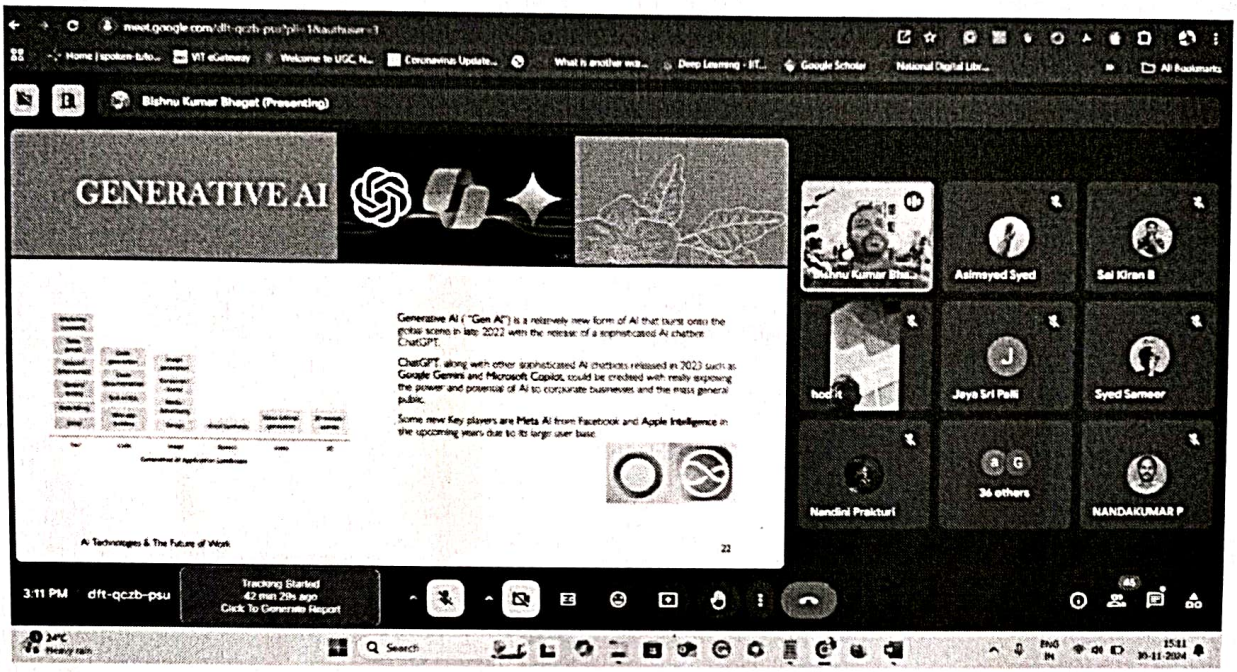

COMPUTING POWER : THE MACHINES BEHIND AI
2021
2022
2023
eFootball Computer Game Graphics of Argentinean Lionel Messi (2021 to 2023)
Real Lionel Messi


CORE ELEMENTS OF AI
Core Elements of Artificial Intelligence
Algorithms + Data + Compute
Brains of AI
Fuel that Drives AI
Machines Behind AI
As these three core components of AI get increasingly more capable, accessible and affordable to businesses and the public, what AI can really achieve in the future is yet to be determined!


Bishnu Kumar Bhagat (Presenting)
GENERATIVE AI
Generative AI ("Gen AI") is a relatively new form of AI that burst onto the global scene in late 2022 with the release of a sophisticated AI chatbot, ChatGPT.
ChatGPT, along with other sophisticated AI chatbots released in 2023 such as Google Gemini and Microsoft Copilot, could be credited with really exploring the power and potential of AI to corporate businesses and the mass general public.
Some new Key players are Meta AI from Facebook and Apple Intelligence in the upcoming years due to its large user base.
AI Technologies & The Future of Work
22
Aaimayed Syed
Sai Kiran B
hod it
Jaya Sri Palli
Syed Sameer
Nandini Prakturi
36 others
NANDAKUMAR P
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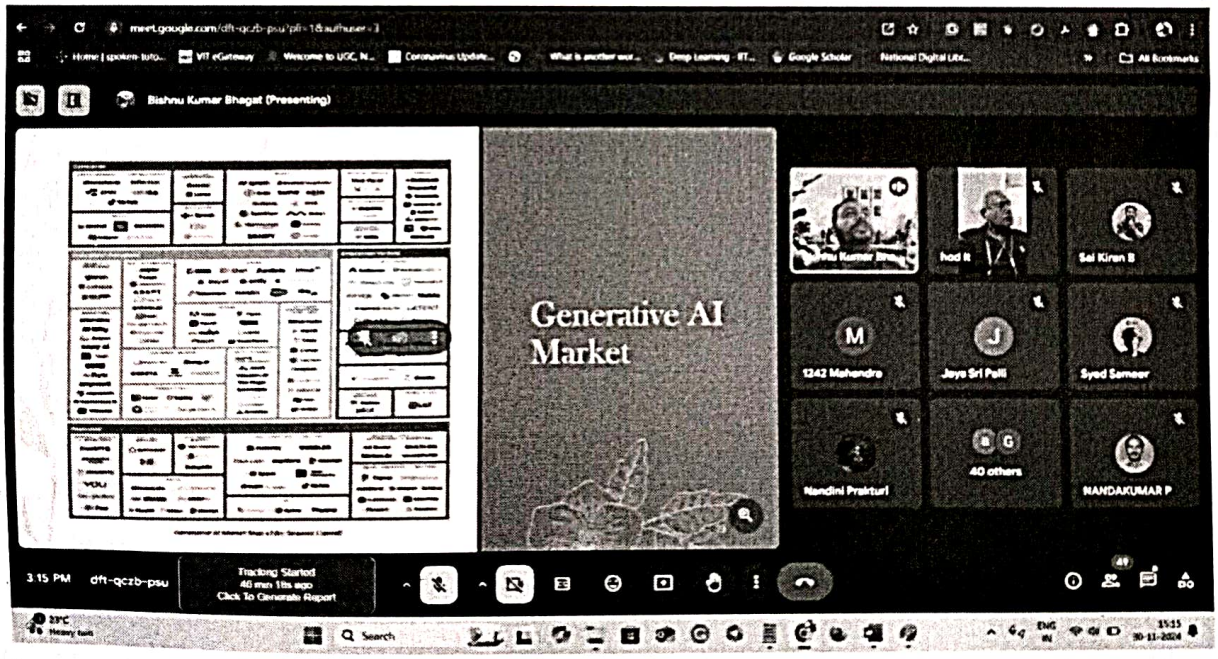
Bishnu Kumar Bhagat (Presenting)
Generative AI Market
hod it
Sai Kiran B
1242 Mahendra
Jaya Sri Palli
Syed Sameer
Nandini Prakturi
40 others
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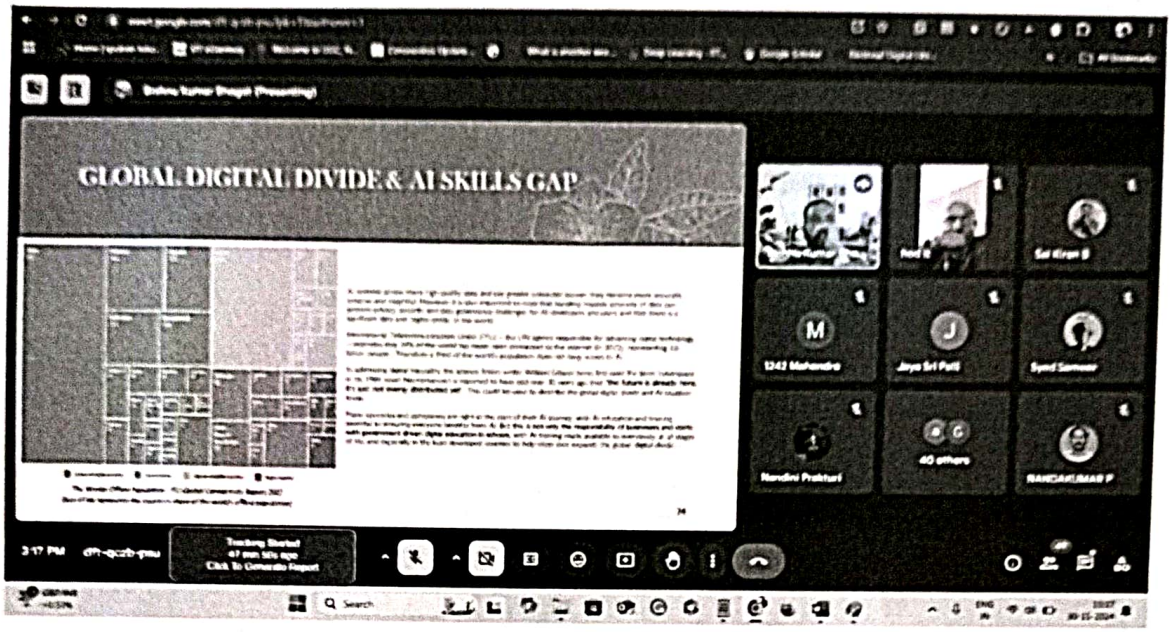
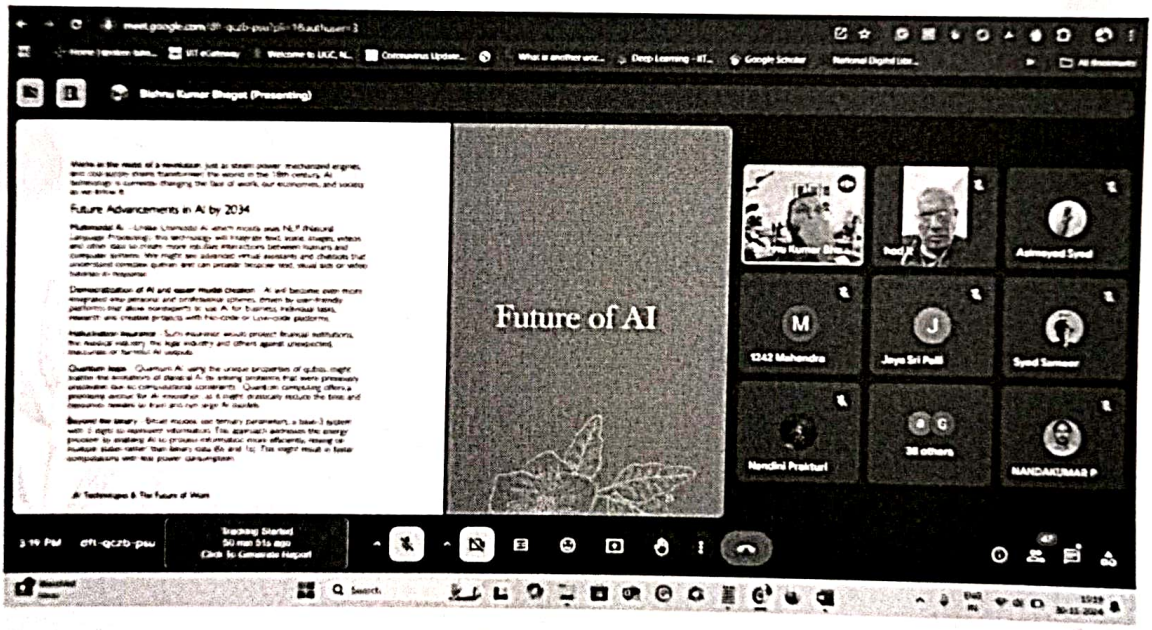
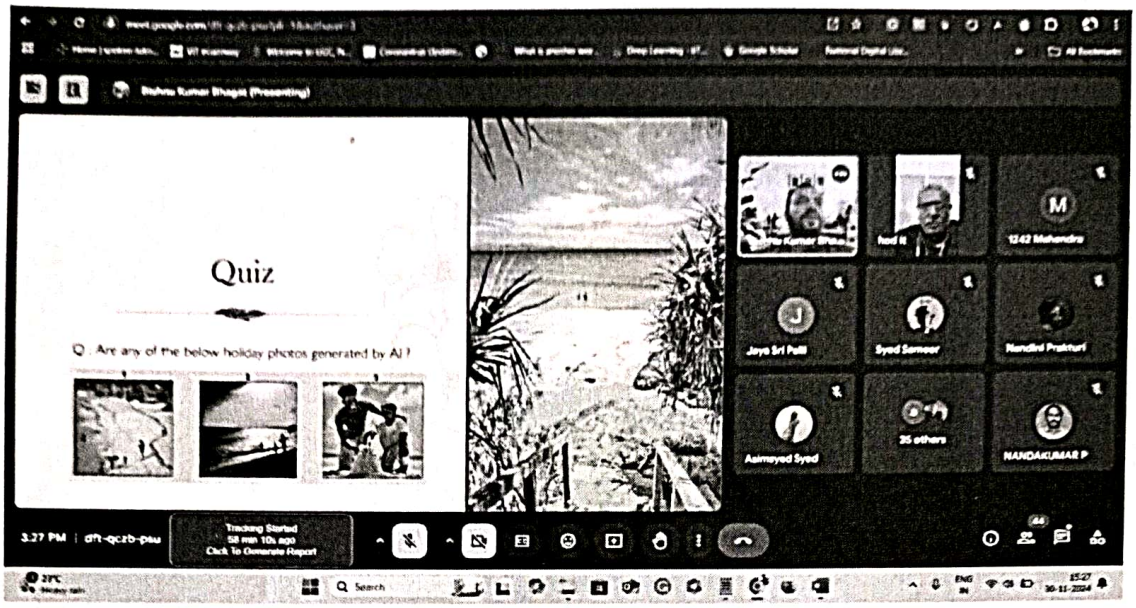

GLOBAL DIGITAL DIVIDE & AI SKILLS GAP


Future Advancements in AI by 2034
Future of AI


Bishnu Kumar Bhagat (Presenting)
Quiz
Q . Are any of the below holiday photos generated by AI ?
Jaya Sri Palli
Syed Sameer
Nandini Prakruti
Aaimayed Syed
25 others
NANDAKUMAR P
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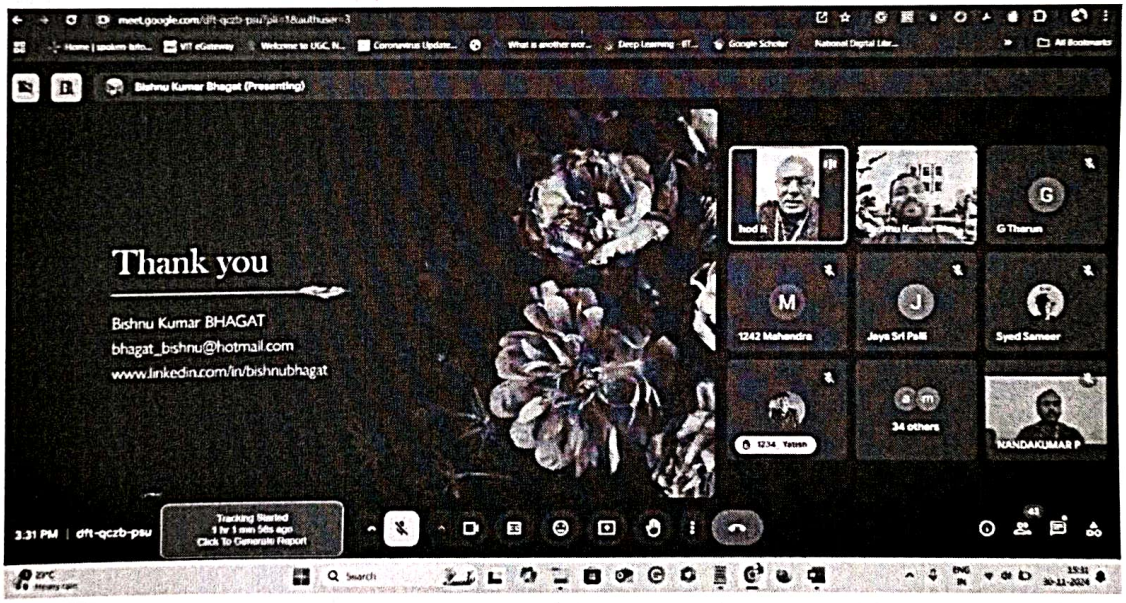
Bishnu Kumar Bhagat (Presenting)
Thank you
Bishnu Kumar BHAGAT
bhagat_bishnu@hotmail.com
www.linkedin.com/in/bishnubhagat
G Tharun
1242 Mahendra
Jaya Sri Palli
Syed Sameer
34 others
NANDAKUMAR P
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HoD-IT

**Sri Venkateswara College of Engineering & Technology (Autonomous)**
**R.V.S Nagar Chittoor - 517127**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**Event: Online Seminar on "AI Technologies and The Future of Work"**
**Date: 30.11.2024**

| SNo | Roll No. | Name | Signature |
|---|---|---|---|
| 1 | 23781A1201 | AKKUPALLI THULASIRAM | |
| 2 | 23781A1202 | AKUMALLA ADI NARAYANA | |
| 3 | 23781A1204 | AYYA HIMA VARSHINI | |
| 4 | 23781A1205 | B ADHARSH KUMAR | |
| 5 | 23781A1206 | B DHANUSH CHOWDARY | |
| 6 | 23781A1207 | BANDARU INDU | |
| 7 | 23781A1208 | BASI REDDY SREE SAI SATHISH KUMAR REDDY | |
| 8 | 23781A1209 | BUGGANNAGARI ARJUN | |
| 9 | 23781A1210 | CHALL MAHENDRA | |
| 10 | 23781A1211 | CHALLA KRISHNA | |
| 11 | 23781A1212 | CHALLA VARUN KUMAR | |
| 12 | 23781A1213 | CHARALA GANESH | |
| 13 | 23781A1214 | CHEEMALA GANGA MYTHRESH | |
| 14 | 23781A1215 | CHETURI NAZEER | |
| 15 | 23781A1216 | CHEVVU LOHITHA | |
| 16 | 23781A1217 | CHIKATLA ANAND PAUL | |
| 17 | 23781A1224 | DONNAPATI VENKATESWARI | |
| 18 | 23781A1225 | DUDEKULA MAHAMMED ASIF | |
| 19 | 23781A1226 | EDAGOTTU MARUTHI | |
| 20 | 23781A1227 | ERIKALA CHANDRASEKHAR | |
| 21 | 23781A1228 | G RAJESH | |
| 22 | 23781A1229 | G VINAYAKA | |
| 23 | 23781A1230 | GADDAM CHANDRAKALA | |
| 24 | 23781A1231 | GAJJALA SHASHI KUMAR REDDY | |
| 25 | 23781A1232 | GANGIREDDYGARI SASIREKHA | |
| 26 | 23781A1233 | GODUGUCHINTA REDDY MUNI | |
| 27 | 23781A1234 | GOLLA DIVYA | |
| 28 | 23781A1235 | GUMMADISANI NIKHIL KUMAR REDDY | |
| 29 | 23781A1236 | JILAJARLA JYOTHI | |
| 30 | 23781A1237 | JOGIREDDY VENKATA RAVITEJA REDDY | |
| 31 | 23781A1238 | KASINENI MANASA | |
| 32 | 23781A1251 | MANDA SINDHU | |
| 33 | 23781A1252 | MANDADI PRASANNA LAKSHMI | |
| 34 | 23781A1253 | MASAGANI REDDY BABU | |
| 35 | 23781A1254 | MEDASANI ASWANI | |
| 36 | 23781A1255 | MEKALA MANOJ KUMAR | |
| 37 | 23781A1256 | MITTE SHANKARA | |
| 38 | 23781A1257 | MUDDAM RAVINDRA | |
| 39 | 23781A1258 | MULA YERRANNA GARI TIRUMALA REDDY | |
| 40 | 23781A1259 | MURUKUTI SUMANTH KUMAR REDDY | |
| 41 | 23781A1260 | NAAMINI MOHITH | |
| 42 | 23781A1262 | NALAPAREDDY YAGNASREE | |

| 43 | 23781A1263 | P S G MOTHISHIMMULLA SHAH | |
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| 45 | 23781A1265 | PALA SHASHIDHAR | |
| 46 | 23781A1266 | PALAGRI MOHAMMAD SAMEER | |
| 47 | 23781A1267 | PANCHANGAM SREEJA | |
| 48 | 23781A1268 | PANDI KARTHIK | |
| 49 | 23781A1269 | PASUPULETI ASIF | |
| 50 | 23781A1270 | PEDDYREDDYGARI SAGAR | |
| 51 | 23781A1272 | RAMA UDAYKIRAN | |
| 52 | 23781A1273 | RAMACHANDRAYAPALLE GURUPRAVEEN | |
| 53 | 23781A1275 | RAYACHOTY VENKATAPATHI | |
| 54 | 23781A1276 | S LOHITH | |
| 55 | 23781A1277 | SAKE SRI SAI VARDHAN | |
| 56 | 23781A1278 | SANNAPANENI YASHMITHA | |
| 57 | 23781A1279 | SEATHUGARI PUSHPA LATHA | |
| 58 | 23781A1280 | SHAIK ABDUL SAMEER | |
| 59 | 23781A1282 | SHAIK MAHAMMAD KAIF | |
| 60 | 23781A1283 | SINGAMALA HARSHAVARDHAN REDDY | |
| 61 | 22781A1279 | POLAGANI VENKATA RAMANA | |
| 62 | 22781A1280 | POOJITHA NALLAMADUGU | |
| 63 | 22781A1281 | POSA NAVEEN | |
| 64 | 22781A1282 | R BALACHANDRA | |
| 65 | 22781A1283 | RUDRARAJU VASANTH KUMAR RAJU | |
| 66 | 22781A1284 | SARIPIRALLA CHANDANA | |
| 67 | 22781A1285 | SHAIK ABDUL SADIK | |
| 68 | 22781A1286 | SHAIK AMAL | |
| 69 | 22781A1287 | SHAIK ARSHIYA TASLEEM | |
| 70 | 22781A1288 | SHAIK MAHAMMAD FAJIL | |
| 71 | 22781A1289 | SHAIK MAZEED MAHAMMAD | |
| 72 | 22781A1290 | SOMALA REDDY PRANATHI | |
| 73 | 22781A1291 | SYED MOHAMMAD ASIM | |
| 74 | 22781A1292 | TADIPARTHI PRAVEEN KUMAR REDDY | |
| 75 | 22781A1293 | TATIREDDY BHARATH SIMHA REDDY | |
| 76 | 22781A1294 | TELLAKULA SOMASEKHAR | |
| 77 | 22781A1295 | THIPPANNA GARI NARAYANA REDDY | |
| 78 | 22781A12A5 | YEPURI GURU SAI | |
| 79 | 22781A12A6 | YETURI VENKATA SUDHARSHAN | |
| 80 | 22781A12A7 | AASHISH SINGH | |
| 81 | 22781A12A8 | JIGYASHA KUMARI YADAV | |
| 82 | 22781A12A9 | CHHOTU KUMAR | |
| 83 | 23785A1201 | JEEREDDY PRASANNA KUMAR REDDY | |
| 84 | 23785A1202 | JUTURU MANOHAR | |
| 85 | 23785A1203 | KARNATI SUNKUGARI TEJASWINI DEVI | |
| 86 | 23785A1204 | MODDUPATI THILAK KUMAR | |
| 87 | 23785A1205 | PERIKALA RAVI KUMAR | |
| 88 | 23785A1206 | SINGANABOYINA SASI KUMAR | |

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