REPORT

PRAGATI ENGINEERING COLLEGE

(ApprovedbyAICTE,PermanentlyAffiliatedtoJNTUK,KAKINADA&AccreditedbyNBA)

1-378,A.D.B.Road,Surampalem,NearPeddapuram-533437

“Generative AI”

Date: 07-01-2026

Day: Wednesday

Turing Club organised by the Dept. of CSE – AI&ML of Pragati Engineering College in association with Career Guidance Cell is organizing a seminar on “**Generative AI”** as part of Industry 4.0.

Attendance list :

PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

Learning is Supreme Deity

DEPARTMENT OF CSE (Artificial Intelligence & Machine Learning)

TURING CLUB

EVENT NAME: Generative AI
DATE: 7-01-2026
SPEAKER NAMES: Dr. N. Ramakrishnaiah

The list of students attended for this event.

S.No	Roll No.	Name of the Student	Year	Signature
1.	23A31A42E3	K. Navya Jyothi	III	K. Navya.
2.	23A31A42D4	B. Hari Deepika	III	B. H. Deepika.
3.	23A31A42F7	T. chandra kranthi	III	T. kranthi
4	23A31A4231	Y. Rama Tulasi	III	Y. Ramatulasi
5.	23A31A4221	P. Madhuri Teja	III	P. Madhuri teja
6.	23A31A4207	K. Lalitha Kumari	III	K. Lalitha kumari
7.	23A31A4212	K. Bhavyasri	III	K. Bhavyasri
8	23A31A4277	K. Chandini	III	K. Chandini
9.	23A31A4279	K. Suganya	III	K. Suganya
10.	23A31A4283	M. L. Apoorva	III	M. L. Apoorva
11.	23A31A4294	T. Kavya	III	T. Kavya.
12.	23A31A4210	K. Monika	III	K. Monika
13	23A31A4215	M. Srilaya	III	M. Srilaya
14	23A31A4226	V. Sahitya	III	V. Sahitya
15.	23A31A42F4	R. Kusuma	III	R. Kusuma

K. Suganya (23A31A4279)
Student coordinator

Faculty Coordinator

A. Radha Krishna
HoD-CSE (AI&ML)

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S.No	Roll No.	Name of the Student	Year	Signature
16.	23A31A42E9 N. Dhanya	N. Dhanya	III	N. Dhanya
17.	23A31A42E8	M. Kousalya	III	M. Kousalya
18.	23A31A42E2	K. Anjani	III	K. Anjani
19.	23A31A42D8	D. Tejaswini	III	D. Tejaswini
20.	23A31A42F6.	T. Renuka	III	T. Renuka
21	23A31A4223	P. Tejasri	III	P. Tejasri
22	23A31A4227	V. Navya Sri	III	V. Navya Sri
23	23A31A4216	M. Harshitha	III	M. Harshitha
24	23A31A4219	P. Tejasri	III	P. Tejasri
25	23A31A4217	M. Abhilasya	III	M. Abhilasya
26	23A31A4295	T. Renuka	III	T. Renuka
27	23A31A4268	B. Anurithika	III	B. Anu
28.	23A31A4288	P. Supriya	III	P. Supriya
29.	23A31A4284	Md. Asma	III	Md. Asma
30.	23A31A4275	J. Charishma	III	J. Cha

K. Anuganya (23A31A4279)
Student Coordinator

Faculty Coordinator

A. Radha Krishna
HoD-CSE (AI&ML)

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TURING CLUB

EVENT NAME: Generative AI

DATE: 7th Jan 2026

SPEAKER NAMES: Dr. N. Ramakrishnaiah

The list of students attended for this event.

S.No	Roll No.	Name of the Student	Year	Signature
1	23A31A42I3	N. Jaya Aashik	III	Aashik
2	23A31A42I2	N.V. Poosrachandrasharma	III	Sharma
3.	23A31A42G9	G.D.E. Ashok	III	G.D.E. Ashok
4.	23A31A42J0	T. Syamkumar	III	T. Syamkumar
5	23A31A42G4	B chandrasekharswamy	III	B.C.S.swamy.
6	23A31A42I8	S.S.ch.L narayana	III	S.S.ch.L narayana
7	23A31A42H8	L. BENNY HIN	III	L. Benny Hin
8.	23A31A42G3	A.V. Tarun	III	A.V.Tarun
9.	23A31A42G6	D. Ravi Narayan	III	D. Ravi.
10	23A31A42G7	D. AJAYKUMAR	III	D. AJAY. kumar
11	23A31A42I6	SK. Nadeem	III	SK. Nadeem
12	23A31A42F1	K. deepak	III	K. deepak
13	23A31A42B8	M.J. Vamsidhar	III	M.J. Vamsidhar
14	23A31A42B3	K. Prudhvi	III	K.P.V.V. krishna
15.	23A31A42C0	M. Naveen	III	M. Naveen

K. Suganya
Student coordinator

A. Radha Krishna
HoD-CSE (AI&ML)

Faculty Coordinator

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The list of students attended for this event.

S.No	Roll No.	Name of the Student	Year	Signature
16	23A31A4254	P. Sudheer	III	P. Sudheer
17	23A31A4241	E.P.V.V. Adithya	III	E.P.V.V. Adithya
18	23A31A4249	M. Shyam Sundar	III	M. Shyam Sundar
19	23A31A4264	Y. Manikanta	III	Y. Manikanta
20	23A31A42B7	M. Bhanu Praveen	III	M. Bhanu Praveen

K. Suganya
Student coordinator

Faculty Coordinator

A. Radha Krishna
HoD-CSE (AI&ML)

FEED BACK ANALYSIS

ID	Name	Roll Number	Speaker Communication	Content Delivery
1	K. Navya Jyothi	23A31A42E3	4	4
2	B. Hari Deepika	23A31A42D4	5	4
3	T. Chandra Kranthi	23A31A42F7	4	5
4	Y. Rama Tulasi	23A31A4231	4	4
5	P. Madhuri Teja	23A31A4221	5	5
6	K. Lalitha Kumari	23A31A4207	4	4
7	K. Bhavyasri	23A31A4212	5	4
8	K. Chandini	23A31A4277	4	5
9	K. Suganya	23A31A4279	5	5
10	M. L. Apoorva	23A31A4283	4	4
11	T. Kavya	23A31A4294	4	5
12	K. Monika	23A31A4210	4	4
13	M. Sailaja	23A31A4215	3	4
14	V. Sahitya	23A31A4226	4	4
15	R. Kusuma	23A31A42F4	3	3
16	N. Jaya Aashik	23A31A4213	4	4
17	N. V. Poornachandrarao	23A31A4212	5	4
18	G. D. E. Ashok	23A31A4269	4	5
19	T. Syam Kumar	23A31A4250	4	4
20	B. Chandrasekharaswamy	23A31A4264	5	4
21	S. S. Ch. L. Narayana	23A31A4218	4	4
22	L. Benny Hin	23A31A42H8	5	5
23	A. V. Tarun	23A31A42G3	4	4
24	D. Ravi Nayan	23A31A42G6	4	4
25	D. Ajay Kumar	23A31A42C7	5	4
26	Sk. Nadeem	23A31A4216	4	4
27	K. Deepak	23A31A42B1	4	4

28	M. J. Vamsidhar	23A31A4288	5	5
29	K. Prudhvi	23A31A42B3	4	4
30	M. Naween	23A31A42C0	4	4
31	N. Dhanya	23A31A42E9	4	4
32	M. Kousalya	23A31A42E8	5	4
33	K. Anjani	23A31A42E2	4	4
34	D. Tejaswini	23A31A42D8	5	5
35	T. Renuka	23A31A42F6	4	4
36	P. Tejasri	23A31A4223	4	4
37	V. Navya Sri	23A31A4227	5	4
38	M. Harshitha	23A31A4216	4	4
39	P. Tejasri	23A31A4219	5	5
40	M. Abhilasya	23A31A4217	4	4
41	T. Ronuka	23A31A4295	4	4
42	B. Anurithika	23A31A4268	5	4

Overall rating: **Good**

Content Delivered in the Event:

1. Introduction

Artificial Intelligence (AI) is one of the most rapidly growing fields in computer science. Among its various branches, **Generative Artificial Intelligence (Generative AI)** has gained significant attention in recent years. Generative AI refers to a class of AI systems that are capable of generating new content such as text, images, audio, video, and code that closely resembles human-created data.

With the advancement of deep learning techniques and increased computational power, Generative AI has become more accurate and practical. Technologies like ChatGPT, DALL·E, Midjourney, and Stable Diffusion are popular examples of Generative AI applications. These systems are transforming industries such as education, healthcare, entertainment, and software development.

2. What is Generative AI?

Generative AI is a type of artificial intelligence that learns patterns from existing data and generates new data with similar characteristics. Unlike traditional AI systems that only analyze or classify data, Generative AI **creates new content**.

Generative AI models are trained on large datasets using machine learning and deep learning techniques. Once trained, they can produce realistic and meaningful outputs based on user input or prompts.

3. Core Models Used in Generative AI

Several machine learning models are used in Generative AI. The most important ones are:

3.1 Generative Adversarial Networks (GANs)

GANs consist of two neural networks:

- **Generator** – Generates fake data
- **Discriminator** – Distinguishes between real and fake data

Both networks compete with each other, improving performance over time. GANs are widely used in image generation, image enhancement, and deepfake creation.

3.2 Variational Autoencoders (VAEs)

VAEs learn the probability distribution of the data and generate new samples from it. They are commonly used in image generation and anomaly detection.

3.3 Transformer-Based Models

Transformer models such as GPT (Generative Pre-trained Transformer) are widely used for text generation. These models use attention mechanisms to understand context and generate human-like text.

4. Applications of Generative AI

Generative AI is used in many real-world applications:

4.1 Education

- Automatic content generation
- Personalized learning materials
- Question paper and notes generation

4.2 Healthcare

- Medical image generation
- Drug discovery
- Patient report summarization

4.3 Software Development

- Code generation
- Bug fixing suggestions
- Documentation automation

4.4 Media and Entertainment

- Music and video generation
- Game character design
- Movie visual effects

4.5 Business and Marketing

- Chatbots and virtual assistants
- Advertisement content creation
- Customer behavior analysis

5. Advantages of Generative AI

- Saves time and effort
- Improves creativity and innovation
- Automates repetitive tasks
- Enhances productivity
- Provides personalized user experiences

6. Challenges and Ethical Issues

Despite its advantages, Generative AI also has challenges:

- Data privacy issues
- Generation of fake or misleading content
- Bias in generated outputs
- High computational cost
- Ethical and legal concerns

Responsible use of Generative AI is essential to minimize risks and ensure fairness.

7. Future Scope of Generative AI

The future of Generative AI is very promising. It is expected to play a major role in:

- Smart education systems
- Advanced healthcare solutions
- Human-like virtual assistants
- Creative industries
- Research and innovation

With proper regulations and ethical guidelines, Generative AI can significantly benefit society.

8. Conclusion

Generative Artificial Intelligence is a revolutionary technology that has the ability to transform how humans interact with machines. By generating realistic and meaningful content, it opens new opportunities in various fields. However, responsible development and ethical usage are crucial for its sustainable growth. Generative AI is not just the future—it is already shaping the present.

PHOTO:

Pragati Engineering College
(Autonomous)
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PATHUB
Pragati Advanced Technology Hub

Dept. of CSE (Artificial Intelligence & Machine Learning)

Organizes

a

IAENG

TURING CLUB

Guest Lecture
on
Generative AI
by

Dr. N. Ramakrishnaiah
Professor & Head
Department of CSE
UCEK – Jawaharlal Nehru Technological University Kakinada

7th January 2026

10.00 AM - 11.00 AM

@pragatiengineering

Pragati.ac.in

PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CSE (Artificial Intelligence & Machine Learning)

PEC / Admin / Circular / 2026 / Turing CLUB

Date: 05-01-2026

All the staff, Pragati Turing club coordinators, Third year Students are informed that a seminar on "**Generative AI"** is being organized by Turing club & IAENG in association with career Guidance cell. The details are given below.

Date: 07-01-2026
Time: 10:00 AM to 11:00 AM
Venue: AT LAB
Faculty Co-Ordinator: Mrs.L.Yamuna, Mrs.G.V.Rajeswari

Student Co-Ordinator: K SUGANYA (III -year CSE (AI&ML)-23A31A4279)

Speaker: Dr. N Ramakrishnaiah
Professor & Head Computer Science and Engineering
JNTUK.

Faculty coordinator **HoD-CSE (AI&ML)**

Copy to:

1) Chairman /All Directors / Vice President for kind information.
2) Vice Principal/Dean T&P for information.
3) All HoDs are requested to circulate among your staff members.
4) Convener-Career Guidance cell
5) Office File.