



# PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY & CSE(CYBER SECURITY)

Date:01-04-2026

## CIRCULAR

It is hereby informed to all the Students of II & III B. Tech that Department of Information Technology & CSE(Cyber Security) organizing a guest lecture on “**The Next Cognitive Revolution: Engineering Machines That Think with AGI**” on 04-04-2026. The students who are interested should participate through online. Please go through the attached poster for details.

**Mode:** Online

**Time:**10:00 AM to 11:30 AM

  
FACULTY CO-ORDINATOR



**DEPARTMENT OF INFORMATION TECHNOLOGY & CSE (CYBER SECURITY)**

in association with



**Organizes a Guest Lecture on**

**“The Next Cognitive Revolution: Engineering Machines That Think with AGI”**

by

**Sandhya A**

*Industry Expert*

**on**

**04-04-2026**

**Mode: Online (Microsoft Teams)**



**Pragati Engineering College**  
(Autonomous)





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## REPORT:

Artificial General Intelligence (AGI) is a type of AI that can:

- Understand, learn, and apply knowledge across multiple domains
- Perform any intellectual task that a human can do
- Adapt to new situations without explicit programming

Unlike current AI (called Narrow AI), which excels in specific areas (like chatbots, recommendation systems, or image recognition), AGI would have general intelligence.

### Core Technologies Behind AGI

#### 1. Deep Learning & Neural Networks

- Inspired by the human brain
- Used in speech recognition, vision, and language models

#### 2. Reinforcement Learning

- Machines learn through **trial and error**
- Used in robotics and game-playing AI

#### 3. Cognitive Architectures

- Simulate human thinking patterns (memory, reasoning)

#### 4. Multimodal Learning

- Combines text, image, audio, and video understanding

### Engineering Machines That Think

Building AGI involves integrating several human-like abilities:

#### Perception

- Understanding the environment through sensors (vision, sound)

#### Learning

- Continuous learning without retraining from scratch

#### Reasoning

- Logical thinking and problem-solving



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## Decision-Making

- Choosing optimal actions in uncertain situations

## Language Understanding

- Communicating naturally with humans

## Applications of AGI

If achieved, AGI could transform nearly every field:

- **Healthcare:** Diagnose diseases better than doctors
- **Education:** Personalized AI tutors for every student
- **Industry:** Fully autonomous production systems
- **Climate Science:** Solve complex environmental problems
- **Research:** Accelerate scientific discoveries

## Challenges & Concerns

### 1. Technical Challenges

- True reasoning and common sense are still difficult
- Data efficiency and generalization remain unsolved

### 2. Ethical Issues

- Bias and fairness
- Privacy concerns

### 3. Control & Safety

- Ensuring AGI aligns with human values
- Preventing unintended consequences

### 4. Economic Impact

- Job displacement vs new opportunities

## The Future of AGI

Experts believe AGI could emerge within the next few decades, but timelines are uncertain. Organizations like OpenAI, Google DeepMind, and Anthropic are actively working toward this goal.



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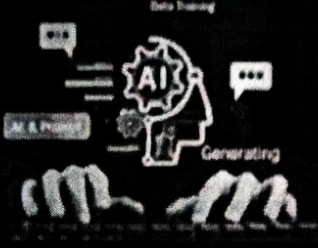

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**TechAR Innovations** Pvt. Ltd.  
Where Imagination Meets Innovation

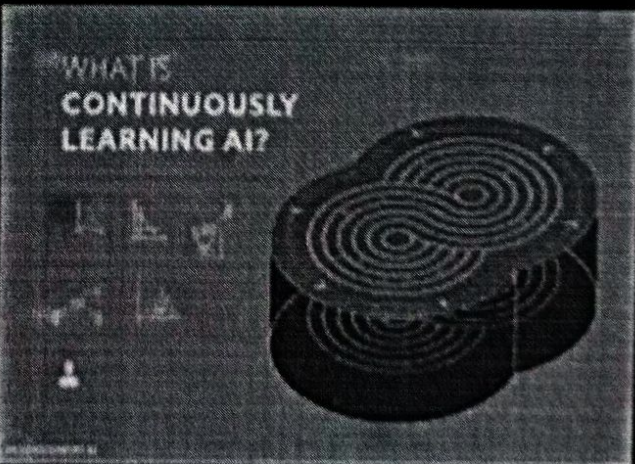
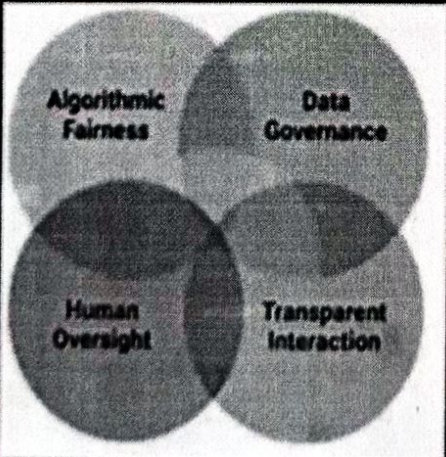
## JOBS THAT WILL GROW

1. AI / ML Engineer
2. Prompt Engineer
3. Prompt Engineer



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## SELF-LEARNING SYSTEMS





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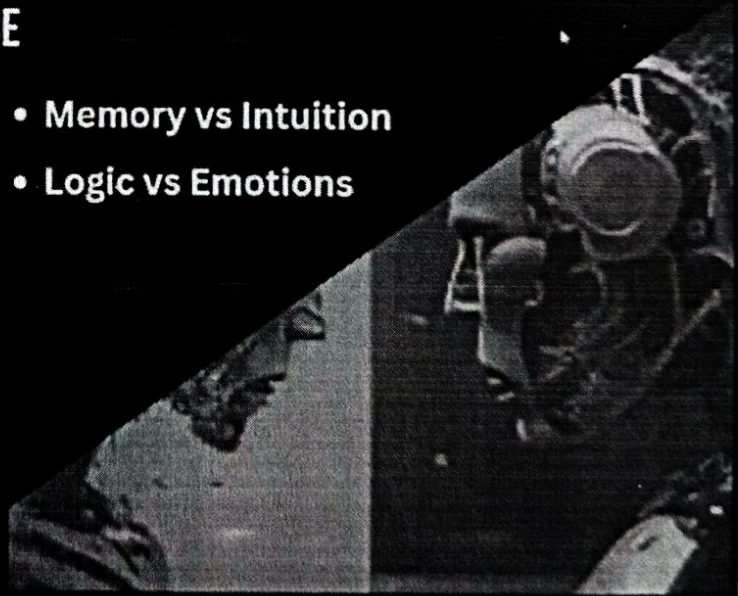
## Real-World Applications of AGI

- Healthcare (Diagnosis)
- Autonomous Vehicles
- Education (Personal Tutors)
- Robotics
- Research & Innovation

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## AGI VS HUMAN INTELLIGENCE

- Speed vs Creativity
- Memory vs Intuition
- Logic vs Emotions
- Logic vs Emotions





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## WHAT IS AI VS AGI?

**Artificial Intelligence (AI):**  
AI refers to machines designed to perform specific tasks intelligently. This is also called Narrow AI because it focuses on one particular problem.  
Examples include chatbots, recommendation systems, and image recognition tools. These systems are powerful but limited to their training datasets.

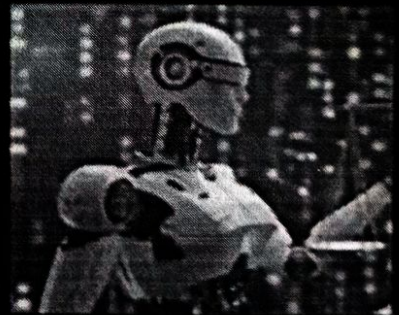
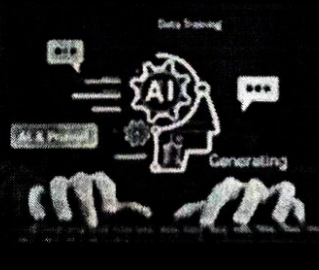

**Artificial General Intelligence (AGI):**  
AGI is a more advanced concept where machines can think, learn, and understand like humans. Unlike AI, AGI can perform any intellectual task, adapt to new situations, and apply knowledge across different domains without retraining.



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## JOB'S THAT WILL GROW

1. AI / ML Engineer
2. Prompt Engineer
3. Prompt Engineer





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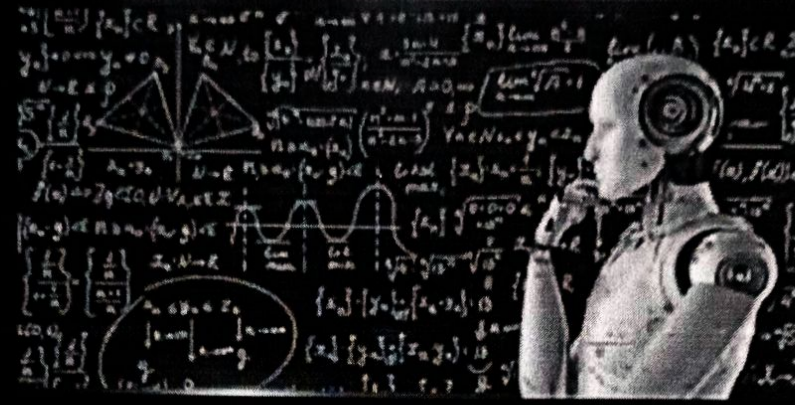
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## AGI IN EDUCATION



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## SKILLS YOU MUST LEARN

- Problem solving
- Communication
- AI tools
- Creativity





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Photos:

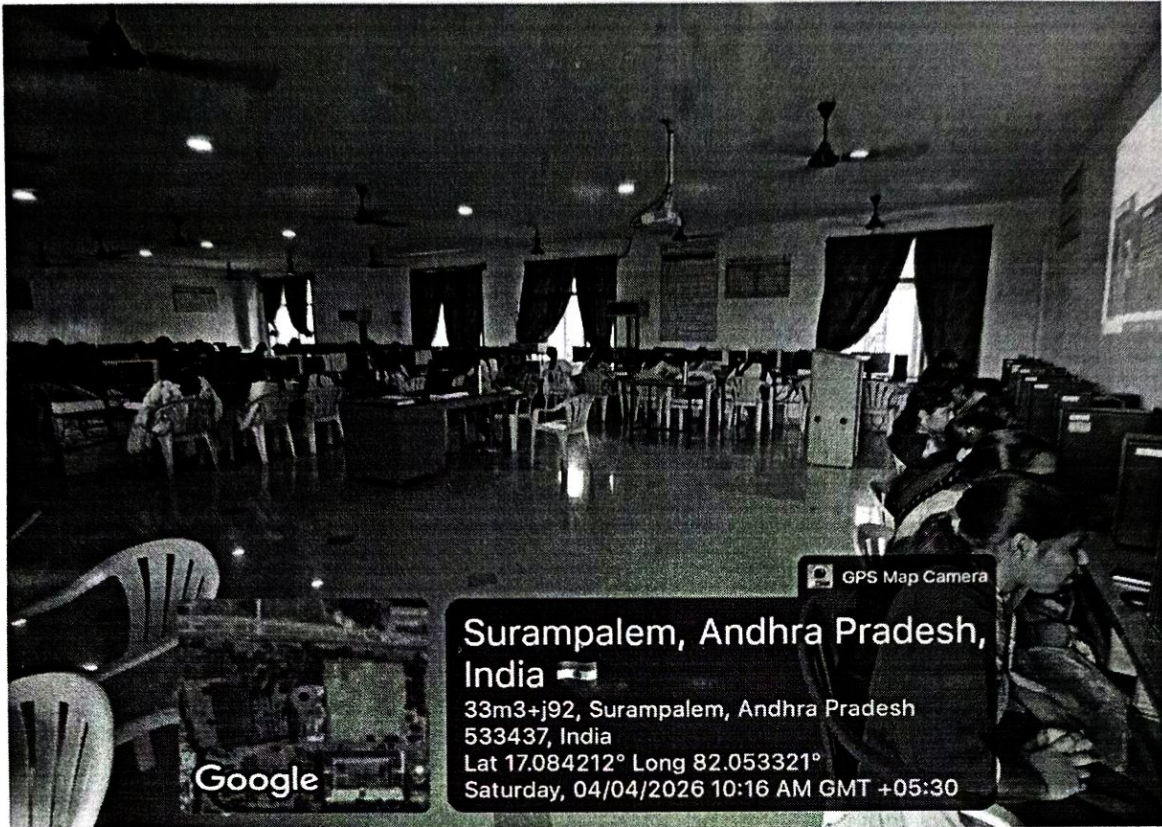




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GPS Map Camera

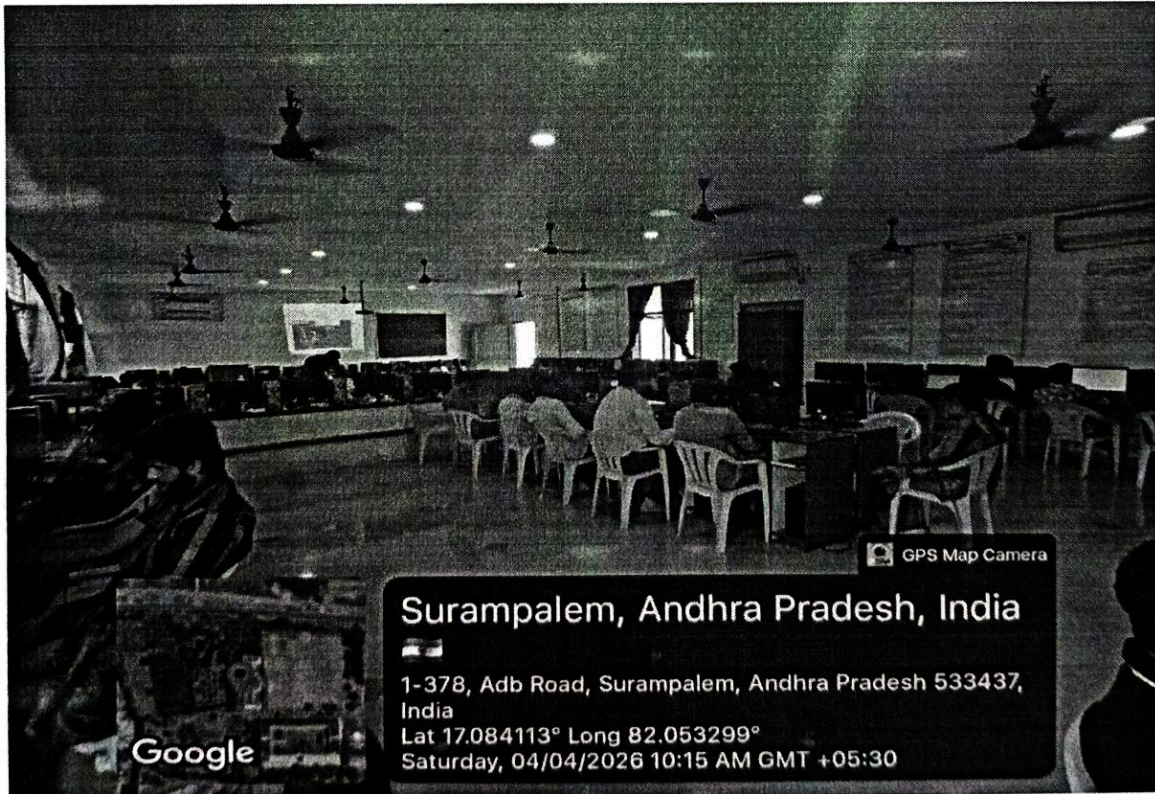
Surampalem, Andhra Pradesh, India

33m3+j92, Surampalem, Andhra Pradesh 533437, India

Lat 17.084212° Long 82.053321°

Saturday, 04/04/2026 10:16 AM GMT +05:30

Google



GPS Map Camera

Surampalem, Andhra Pradesh, India

1-378, Adb Road, Surampalem, Andhra Pradesh 533437, India

Lat 17.084113° Long 82.053299°

Saturday, 04/04/2026 10:15 AM GMT +05:30

Google

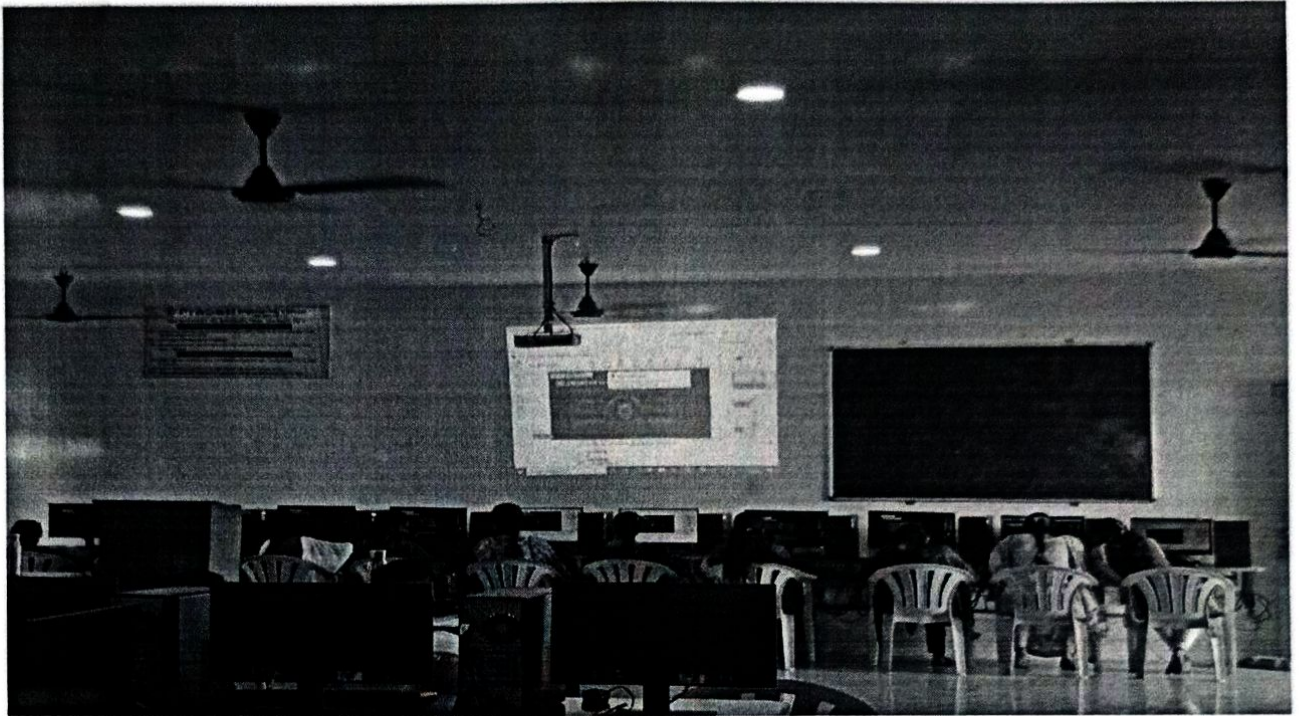


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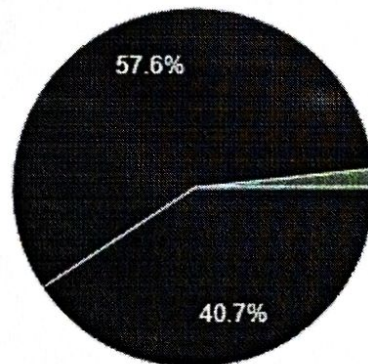
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<https://forms.gle/a33tmLv2V2fHA613A>

## Feedback Analysis Report:



- Excellent
- Good
- Average
- Poor

S. No	Roll number	Name of the student	Department	Year	Feedback
1	24A31A4611	G.Purni Sasi Kala Devi	CSE (Cyber Security)	II Year	Excellent
2	24A31A1220	Lakshmi Chaitanya Pidugu	IT	II Year	Good
3	24A31A4614	Akshaya Keerthi.kali	Cs	II Year	Good
4	25A35A4601	K.Sri Aditya Vaishnavi	Cybersecurity	II Year	Excellent
5	25A35A1204	boddani Atchi Raj kumar	IT	II Year	Excellent
6	24A31A1207	Rama Lakshmi Suhitha Gandhi	IT	II Year	Good
7	24A31A4662	Varshith	Cyber security	II Year	Excellent
8	24A31A1228	Vanaparathi Kavya Sri	Information Technology	II Year	Good
9	24A31A1227	Temmanaboina Sirisha	Information Technology	II Year	Good
10	24A31A4626	Divya sree peruri	Cyber security	II Year	Excellent
11	25A35A4602	P. Papa	Cs	II Year	Good



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12	24a31a1212	K.l.pavani	Information technology	II Year	Excellent
13	24A31A1218	Sathwika pati	Information technology	II Year	Excellent
14	24A31A4621	M.Sireesha	Cyber security	II Year	Good
15	24A31A1261	S Guru Murali	IT	II Year	Good
16	24a31a1229	Meghana	It	II Year	Good
17	25A35A1201	Vetsa.sri.pushpa	Information technology	II Year	Good
18	24A31A4616	K.Ramadevi	Cybersecurity	II Year	Excellent
19	24A31A4636	Dangeti Venkata Durga Vara Prasad	CSE-CS	II Year	Good
20	24A31A4629	T.Janaki	Cyber security	II Year	Excellent
21	24A31A1251	NANDIGAM VENKATA PHANI SATYA SRI RAM CHARAN	IT	II Year	Excellent
22	24A31A1215	Maddela Anitha	Information Technology	II Year	Excellent
23	24A31A4603	B.Bhargavi	Cyber security	II Year	Good
24	24A31A1211	KOMALI PAVANI NAGA MANI	Information Technology	II Year	Excellent
25	24A35A1211	Tanagala Tarak Sai	Information technology	III Year	Good
26	24A31A1214	Mallavarapu Gayathri	Information technology	II Year	Good
27	24A31A1248	Vijay Manukonda	Information Technology	II Year	Good
28	24A31A1257	PINJALA VENKATESH	IT	II Year	Good
29	25A35A1202	P.Pravalika	IT	II Year	Excellent
30	24A31A4615	Padmini Karnuri	CS	II Year	Good
31	24A31A4610	Gollapalli Sri Naga Sai Durga Mani	Cyber security	II Year	Good
32	24A31A4604	Abilashya.B	CSE cyber security	II Year	Good
33	24A31A1203	Bezawada Naga Ramya Harshitha	IT	II Year	Excellent
34	24A31A1204	B.L.L.MANI DURGA	Information Technology	II Year	Excellent
35	24A31A1223	Sabbineedi Anjali Devi	It	II Year	Excellent
36	24A31A1228	Vanaparathi Kavya Sri	IT	II Year	Good
37	24A31A1230	Varada V L B V Kamakshi	IT	II Year	Good
38	24A31A4653	Papineni sai manikanta srinivas	Cs	II Year	Excellent
39	23A31A1207	G.Harichandana	IT	III Year	Good
40	24A31A4617	Kolli.Bharathi	Cyber security	II Year	Good
41	24A31A1238	GUBBALA PAVAN KUMAR	Information technology	II Year	Good



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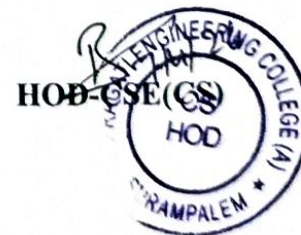
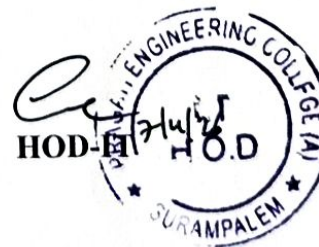
42	25A35A1203	Dilleswari	Information Technology	II Year	Excellent
43	24A31A1258	Ganesh Ponnamanda	IT	II Year	Good
44	24A31A4664	V.Harsha vardhan	Cse-cyber security	II Year	Good
45	24A31A4618	K.Pravalika	Cs	II Year	Excellent
46	24A31A1201	Sai Narasimhalakshmi Akula	Information Technology	II Year	Excellent
47	24A31A4613	I.chinni	Cs	II Year	Excellent
48	24A31A1213	Praneetha	Information technology	II Year	Excellent
49	24A31A1233	B Mahendra babu	IT	II Year	Good
50	24a31a1234	C Yogendraa	IT	II Year	Average
51	24A31A1224	Kavya Varshini Gayatri Sankuru	Information Technology	II Year	Good
52	24a31a1240	G Prem kumar	IT	II Year	Good
53	24a31a1241	J Ajay	IT	II Year	Good
54	24a31a1243	K Anil Rajesh	IT	II Year	Excellent
55	24a31a1244	K karthik	IT	II Year	Good
56	24a31a1246	L Achyuth	IT	II Year	Good
57	24a31a1254	P Nookesh	IT	II Year	Good
58	24a31a1256	P subba rao	IT	II Year	Good

We collected feedback from all the students via online. We have designed a feedback form for this.

Student's feedback on the event is presented below:

FEEDBACK	NO OF STUDENTS
Excellent	23
Good	34
Average	01
<b>Total</b>	<b>58</b>

  
FACULTY CO-ORDINATOR





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DEPARTMENT OF INFORMATION TECHNOLOGY

Guest Lecture: The Next Cognitive Revolution: Engineering Machines That Think with AGI

Date: 4/4/26

S.No.	Roll Number	Name Of The Student	Branch	Signature
1.	24A31A1228	V. Kavya Sri	IT	V. Kavya Sri
2	24A31A1229	N. Meghana	IT	N. Meghana
3	24A31A1214	M. Gayathri	IT	M. Gayathri
4.	24A31A127	T. Sirisha	IT	T. Sirisha
5.	25A35A1203	S. Dilleswari	IT	S. Dilleswari
6	24A31A1211	K.P. Naga Mani	IT	K.P. Naga Mani
7.	24A31A1215	M. Anitha	IT	M. Anitha
8.	25A35A1202	P. Pravalika	IT	P. Pravalika
9.	24A31A1230	V. Vaishnavi	IT	V. Vaishnavi
10.	24A31A1218	P. Sathwikha	IT	P. Sathwikha
11	24A31A1212	K.L. Pavani	IT	K.L. Pavani
12.	25A35A1201	V. Sri pushpa	IT	V. Sri pushpa
13.	24A31A1231	B. Charan Kumar	IT	B. Charan Kumar
14.	24A31A1238	G. Pavan Kumar	IT	G. Pavan Kumar
15	24A31A1237	T. Sai Ram	IT	T. Sai Ram
16	25A35A1204	B.A. RAJKUMAR	IT	B.A. RAJKUMAR
17	24A31A1261	S. GURUMURALI	IT	S. GURUMURALI
18	24A31A1251	N.V.P.S. Srisam Charan	IT	N.V.P.S. Srisam Charan
19	24A31A1257	P. Venkatesh	IT	P. Venkatesh
20	24A31A1248	M. Vijay	IT	M. Vijay
21.	24A31A1207	G.R.L. Subitha	IT	G.R.L. Subitha
22	24A31A1223	S. Anjali Devi	IT	S. Anjali Devi
23	24A31A1203	B.N.R. Harshitha	IT	B.N.R. Harshitha
24	24A31A1204	B.L.L. Mani Ariga	IT	B.L.L. Mani Ariga
25.	23A31A1205	D. Pujitha	IT	D. Pujitha
26.	23A31A1206	D. Lakshmi	IT	D. Lakshmi
27.	23A31A1207	G. Harichandana	IT	G. Harichandana
28	23A31A1245	K. Radhamaani Teja	IT	K. Radhamaani Teja





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DEPARTMENT OF CSE(CYBER SECURITY)

Guest Lecture: The Next Cognitive Revolution: Engineering Machines That Think with AGI

Date: 4/4/26

S.No.	Roll Number	Name Of The Student	Branch	Signature
1.	24A31A4603	B. Bhargavi	CS	B. Bhargavi
2.	24A31A4621	M. Sireekha	CS	M. Sireekha
3	24A31A4610	G.S.N.S. Dwiga Mani	CS	G. Dwiga Mani
4	24A31A4604	Abilashya B	CS	Abilashya B
5.	24A31A4615	Padmini K	CS	Padmini K
6.	24A31A1204	B.L.L. Mani Durga	IT	B.L.L. Mani Durga
7.	24A31A1203	B.N.R. Harshitha	IT	B.N.R. Harshitha
8.	24A31A1207	G.R.L. Seetha	IT	G. Seetha
9.	24A31A1223	S. Anjali	IT	S. Anjali
10.	25A35A4601	K. Sri Aditya Vaishnavi	CS	K. Vaishnavi
11.	25A35A4602	P. Papa	CS	P. Papa
12.	24A31A4617	K. Bharathi	CS	K. Bharathi
13.	24A31A4616	K. Ramadevi	CS	K. Ramadevi
14.	24A31A4629	T. Janaki	CS	T. Janaki
15.	24A31A4614	k. Akshaya keerthi	CS	k. A. keerthi
16.	24A31A4611	G. Purni sarikala Dewi	CS	G. Purni
17.	24A31A4626	P. Divyavree	CS	P. Divya
18.	24A31A4632	B. Amar Sai Teja	CS	B. Amar
19.	24A31A4653	P. S. M. Srinivas	CS	P. S. M.
20.	24A31A4635	ch. siva swaya	CS	ch. siva swaya
21.	24A31A4651	P. Ashwin	CS	P. Ashwin
22.	24A31A4659	Sathwick	CS	Sathwick
23.	24A31A4657	S. Sunny	CS	S. Sunny
24.	24A31A4643	G. Abhinav	CS	G. Abhinav
25.	24A31A4659	T. Krishna Reddy	CS	T. Krishna Reddy
26.	24A31A4655	P. V. N. Mahesh	CS	P. V. N. Mahesh
27.	24A31A4636	D. V. D. Vaya Prasad	CS	D. V. D. V. Prasad
28.	24A31A4662	V. R. S. Varshith	CS	V. R. S. Varshith

