PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 13-09-2025

CIRCULAR

It is hereby informed to all the Students of II, III B. Tech that Seminar on **"Presentation on AI in Stock Trading"** will be conducted on 17-09-2025. This event is organized by **SPARKWIT** club of IT Department. The students who are interested should register their names with class teacher or faculty coordinator.

Venue: IT-LAB (ES-7)

Time: 3:00 PM to 4:00 PM

Mode: Offline

A.M.

FACULTY CO-ORDINATOR

HoD-IT

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DEPARTMENT OF INFORMATION TECHNOLOGY

EVENT BROUCHER

QR Codes:

For Registration:

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DEPARTMENT OF INFORMATION TECHNOLOGY

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EVENT NAME: SPARKWIT CLUB - PPT on AI in Stock Trading

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3.	23A31A1229	Vennela. N	IT	[illegible]
4.	23A31A1223	S. Sundari	IT	S. Sundari
5.	24A35A1203	P. Pavani Jyothi	IT	Pavani
6	23A31A1232	Y. Syamala	IT	Syamala
7.	23A31A1231	Y. Pravallika	IT	Pravallika
8.	23A31A1210	G. Akshaya	IT	Akshaya
9.	23A31A1213	G. Harika	IT	Harika
10.	23A31A1215	K. Rajitha	IT	Rajitha
11.	23A31A1227	N. Mounika	IT	Mounika
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13.	23A31A1207	G. Harichandana	IT	G. Chandana
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20	23A31A1237	G.V. Lokesh	IT	[illegible]
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22	23A31A1247	M. VAMSI	IT	M. Vamsi
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24.	24A35A1209	N. Vamsi Krishna	IT	Vamsi
30	23A31A1238	G.V. Rakesh	IT	Rakesh
31	24A35A1206	G. Pavan	IT	G. Pavan
32	23A31A1242	G. Vamsi	IT	G. Vamsi
33	23A31A1240	G. Siva	IT	G. Siva
34	23A31A1209	G. Revathi	IT	Revathi

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37	23A31A4624	A.V. Satyanarayana	CSE(CS)	[illegible]
38	23A31A4649	T. Koteswararao	CSE(CS)	[illegible]
39	23A31A4640	L. Harsha	CSE(CS)	[illegible]
40	23A31A4632	B. Prabhusurya.	CSE(CS)	[illegible]
41	23A31A4645	S. Tarun	CSE (CS)	S. Tarun
42	23A31A4633	B. Ashok kumar	CSE(CS)	[illegible]
43	24A35A4618	V. Subhakar	CSE(CS)	V. Subhakar
44	23A31A4638	J V Naveenkumar	CSE(CS)	[illegible]
45	24A35A4604	K. Janaki	CSE (CS)	[illegible]
46	24A35A4601	[illegible]	CSE (CS)	[illegible]
47	24A35A4605	A. N. Devi	CSE(CS)	N. Devi.
48	23A31A4608	M. Pravallika	CSE(CS)	M. Pravallika
49	23A31A4615	P. Bhargavi	CSE(CS)	P. [illegible]
50	23A31A4617	R. Ajwitha	CSE(CS)	Ajwitha
51.	23A31A4602	A. Sowmya	CSE(CS)	Sowmya
52.	23A31A4614	P. Ramyasri	CSE(CS)	Ramya
53	23A31A4618	S. Sruba Sri	CSE(CS)	S. Sruba
54.	23A31A4612	P. S. Harshitha	CSE (CS)	Psh
55	23A31A4605	G. R. Gayathri	CSE(CS)	Pline.
56	24A35A4606	P. Sruthi	CSE (CS)	P. [illegible]
57.	24A35A4607	S. Renuka Devi	CSE(CS)	[illegible]
58.	23A31A4609	M. L. Supriya	CSE(CS)	Supriya
59.	23A31A4607	M. Moulika	CSE (CS)	Moulika
60	23A31A4625	A. Raghu Ram	CSE(CS)	A. Raghuram

COORDINATOR

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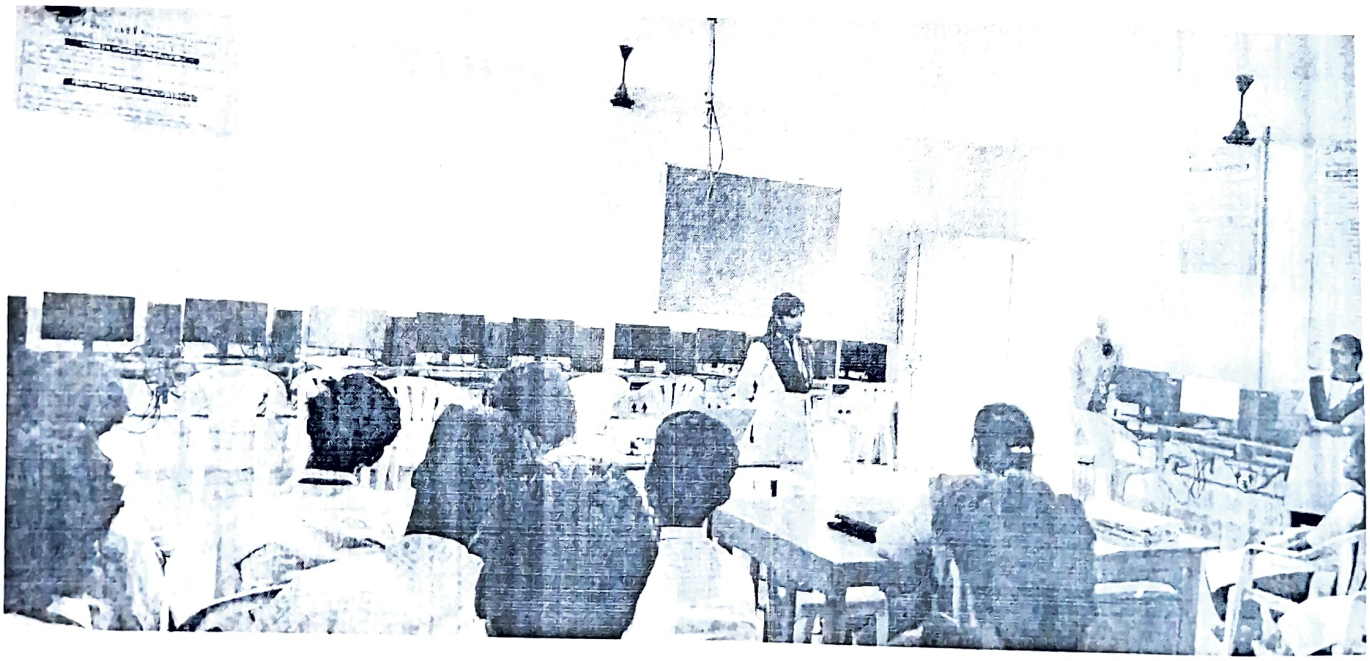
Seminar:



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Report:

Presentation Photos:

The AI Trading Revolution: From Algorithms to Alpha

AI-driven trading now analyzes millions of data points in real time, spotting complex patterns and subtle trends that humans typically miss. This advanced analytical capability provides a significant edge in volatile markets.

A groundbreaking Stanford study revealed that an AI analyst outperformed 93% of mutual fund managers by an astounding 600% over a 30-year period, underscoring its superior predictive power.

Crucially, AI removes emotional bias from decision-making, enabling faster, more objective, and emotion-free trading decisions, which are vital for consistent performance.

Market Scale & Investment Surge in AI Stocks

The AI sector is experiencing an unprecedented boom, drawing significant investment and capturing a large share of the global market.

[redacted] 52%

AI Deal Value Increase

AI deals saw a massive 52% increase in value, climbing from $86 billion in 2023 to $131.5 billion in 2024, now representing 35.7% of the global deal value.

[redacted] 46.4%

US Startup Capital to AI

Nearly half of all U.S. startup capital in 2024 flowed into AI companies, a dramatic rise from under 10% in 2014, showcasing a clear shift in investor focus.

AI-native firms are strategically prioritizing sustained Annual Recurring Revenue (ARR) growth and profitability, navigating volatile markets with a long-term vision.

Leading AI Stocks Driving the Market in 2025

These companies are at the forefront of AI innovation, shaping the future of technology and financial markets.

1

Quantum Computing Inc. (QUBT)

Achieved an astounding +2740% YTD, pioneering quantum hardware specifically designed for AI acceleration, promising exponential leaps in processing power.

2

Palantir Technologies (PLTR)

Its powerful AI platform is instrumental in powering critical operations for the U.S. military and providing advanced analytics for financial giants like Morgan Stanley.

3

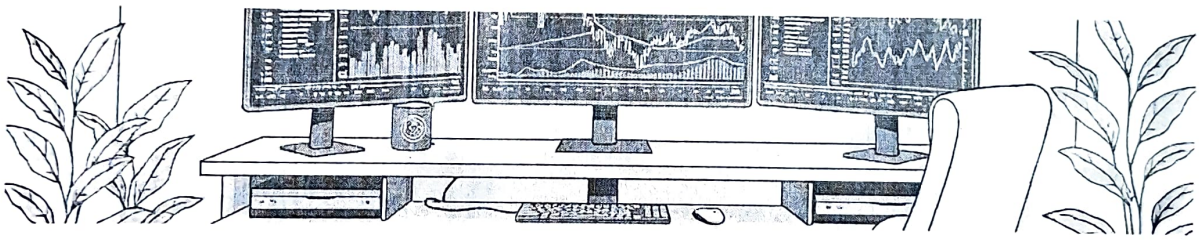
Nvidia (NVDA)

The undisputed GPU giant, fueling AI data centers worldwide and becoming the first semiconductor company to hit a $4 trillion market capitalization.

4

Cerence Inc. (CRNC)

Leading the way in automotive AI, with its conversational AI assistants integrated into over 400 million vehicles globally, enhancing the in-car experience.



How AI Transforms Trading Strategies Today

AI is not just optimizing, but fundamentally reshaping the way trading is conducted across the globe.

1

Automated Execution

AI bots automate trade execution 24/7, optimizing timing and prices across diverse global markets with precision.

2

Sentiment Analysis

Natural Language Processing (NLP) instantly analyzes news and social media sentiment, providing critical market insights.

3

Dynamic Rebalancing

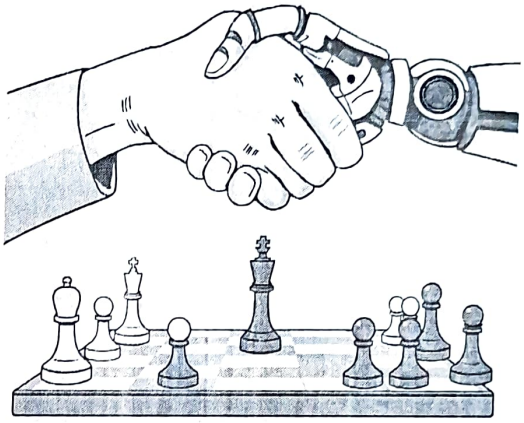
AI-driven portfolio rebalancing and risk management dynamically adjust strategies to real-time market shifts.

AI vs. Human Traders: The New Frontier

AI excels in raw data processing and identifying intricate patterns at speeds impossible for humans. However, human traders bring intuition, adaptability, and an understanding of qualitative factors that AI sometimes misses.

The most effective approach is often a hybrid model, combining the analytical power of AI insights with the nuanced judgment of human experts to achieve superior results.

Notably, AI hedge funds consistently report 3-5% higher annual returns compared to traditional funds, demonstrating the tangible benefits of this synergy.



Challenges & Risks in AI Stock Trading

While AI offers immense potential, it's crucial to acknowledge and mitigate its inherent challenges and risks.

Overfitting & Black Swans

AI models can overfit historical data, making them vulnerable to unpredictable "black swan" events or sudden geopolitical shocks.

Flash Crashes

The speed of algorithmic trading can trigger market volatility, leading to rapid and severe "flash crashes" if not carefully managed.

"AI Washing" Risks

There's a growing risk of "AI washing," where companies inflate valuations without possessing genuine AI substance or capabilities.

The Future: AI Inference & Edge Computing

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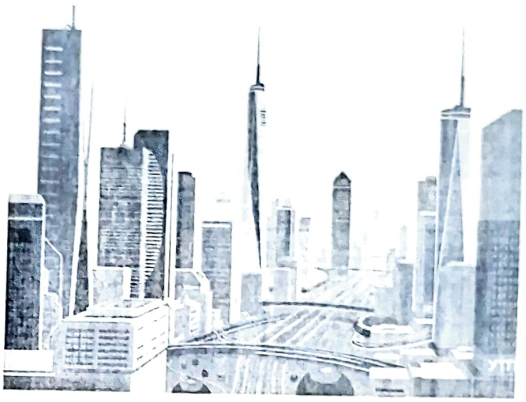
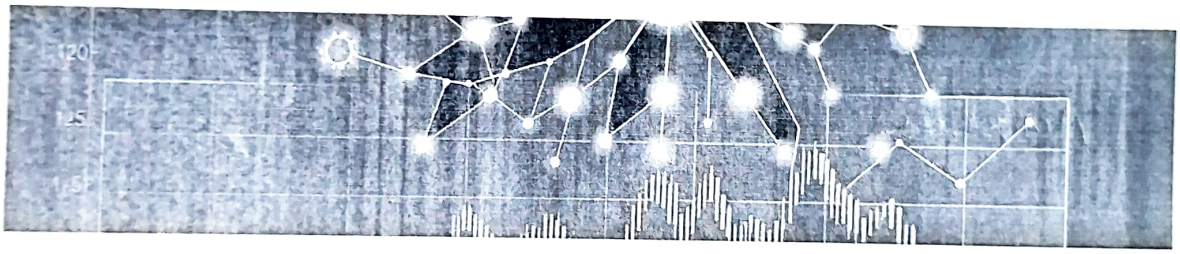
- [illegible]
- [illegible]





Conclusion: AI is Reshaping Stock Trading — Are You Ready?

> AI trading is no longer a distant future; it's the present driving unprecedented market efficiency and returns. Embrace this transformation to stay ahead.

- **Synergy is Key:** Combining AI's analytical power with human insight is the winning formula for investors seeking sustained success.
- **Stay Informed:** Continuously educate yourself, embrace innovation, and strategically position your investments for the AI driven market wave ahead.

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FEEDBACK COLLECTED FROM STUDENTS

Feedback Analysis Report:

FEEDBACK	NO OF STUDENTS
Excellent	40
Good	15
Average	5
Total	**60**

FACULTY CO-ORDINATOR

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