Department Newsletter

Second Half 2022

Artificial Intelligence Machine Learning Department

SIES Graduate School of Technology, Nerul

Dr. Varsha Patil

(HOD)

Artificial Intelligence Machine Learning Department

FROM THE HOD's DESK

Department of Artificial Intelligence Machine Learning of SIES GST started in the year 2022 offers undergraduate programmed in AI and Machine Learning where students are exposed to concepts AI and Machine Learning. The department aims to develop competent and socially responsible engineers in the domain of Artificial Intelligence & Machine Learning for noteworthy contributions to the society. The motive of department is to make student ready for industry with excellent practical exposure in AIML.

ARTIFICIAL INTELLIGENCE MACHINE LEARNING DEPARTMENT

SIES GRADUATE SCHOOL OF TECHNOLOGY, NERUL

VOLUME **1**, ISSUE **1**

MISSION

- To provide students with a comprehensive education to prepare them for the rigors in the domain of AI
- To establish a platform for academics, innovation, professional growth, and social interaction.
- To encourage the capacity for lifelong learning necessary for career advancement.
- To help build relationships with alumni and industry for the betterment of students' overall growth.

VISION

Impart prime content education to develop technically proficient and socially responsible engineers in the emerging branches of AI.

FACULTY PROFILE

No	Name	Qualification	Designation	Area of Interest
1.	Dr. Varsha Patil	B.E, M.E (CE), Ph.D	Associate Professor	Image Processing, Data Mining, Machine Learning, Natural Language Processing
2.	Ms. Sneha Tapre	B.E, M.E (CE)	Assistant Professor	Machine Learning, Data Structure
3.	Ms. Archana Arudkar	B.E (CSE), M.E (CE)	Assistant Professor	Database, Network & Security
4.	Ms. Jyoti Chavhan	B.E (CSE), M.E(CE), Ph.D*	Assistant Professor	Machine Learning, Natural Language Processing, Artificial Intelligence

NON TEACHING STAFF

No	Name
1.	Mr. Prasad Tambe

CLASS STRENGTH

Year	Total No of students	Boys	Girls
S. E.	**69**	**52**	**17**

STUDENTS ACHIEVEMENTS

NO.	EVENT	NAME OF STUDENT	YEAR / SEM	ACHIEVEMENT (CURRICULAR, CO- CURRICULAR & EXTRA-CURRICULAR)
1	Inspect Element 2.0 Web design competition.	Deepak Chaudhary	SE/III	**2**nd Runner up
2	Startup Poster Presentation	Omkar shivarkar	SE/III	Received **1**st Prize
3	Intercollege Cricket Tournament	Vedant kupekar	SE/III	1st prize (received best batsman award)
4	Box cricket	Vedant Kupekar	SE/III	**3rd** runner up of (championship trophy)
5	BUGSQUASH 2022	Nivedha N Vellaipandi	SE/III	**3rd** Prize
6	TECHNOPRENEU (organised by IEEE SIES GST)	Noor sayed zakir	SE/III	Winner

NO	EVENT	NAME OF STUDENT	YEAR / SEM	ACHIEVEMENT (CURRICULAR, CO-CURRICULAR & EXTRA-CURRICULAR)
7	Ideation Poster Presentation (organized by IEEE SIES GST)	Omkar Shivarkar	SE/III	**2nd** Prize
8	Cognition Project Presentation	Atharva Ranawade	SE/III	**1st** Prize
9	Cognition Project Presentation	AbIit Surve	SE/III	**1**st Prize
10	Cognition Project Presentation	Suyash Utekar	SE/III	**1st** Prize
11	Cognition Project Presentation	Sanket Shitole	SE/III	**1st** Prize

INTERNSHIP

Students are always proactively participating in the online and offline internship programs. College also provides internship opportunities through various student development programs on recent technologies. Internship is provided on Software Design Skills, Web Development Technologies.

NAME OF STUDENT	INTERNSHIP PROGRAMME
Yakshit Chippa	React JS Intern

STUDENT TOPPERS

S.E. - SECOND HALF 2022 (Semester III)

Rank	Name of student	CGPI
1	SAYED NOOR ZAKIR ZAKIRA	9.35
2	ARADHYA CHANDRAKANT DANGE	8.96
3	UTEKAR SUYASH SMITA	8.83
4	NARALE UDAYRAJ MUKTA	8.83

Subject wise Topper

Sr. No.	Roll No.	Name of Student	Subject	Marks
1	121A9063	VEDIKA BRIJMOHAN MISHRA POONAM	EM-III	79
2	121A9026	MAHADIK SHREYAS SANJAY SWATI	DSGT	84
	121A9033	NARALE UDAYRAJ MUKTA		
	121A9062	UTEKAR SUYASH SMITA		
3	121A9051	SAYED NOOR ZAKIR ZAKIRA	DS	92
	121A9062	UTEKAR SUYASH SMITA		
4	121A9051	SAYED NOOR ZAKIR ZAKIRA	DLCOA	69
5	121A9051	SAYED NOOR ZAKIR ZAKIRA	CG	85

"A.I & robotics" a bigger threat than nukes?

Artificial Intelligence (AI) and robotics are two connected fields that have revolutionized colourful aspects of our lives. AI refers to the development of intelligent machines able of performing tasks that would generally bear mortal intelligence. Conversely, robotics involves designing and constructing physical machines or robots to interact with and manipulate their terrain. Together, AI and robotics have converted diligence, bettered effectiveness, and opened up new possibilities for robotization and mortal-machine collaboration.

World's richest man Elon Musk once said that AI is more dangerous than nukes. It is very difficult to say which of them is a bigger threat as both are very different in working and have different aspects of risks. A nuclear weapon can potentially destroy a whole city, its geography and its environment, it can cause a large number of casualties and can drastically decline a country's economy. Whereas AI and robotics are not destructive, they can impact humanity in the long run if not managed properly or get misused.

AI with robotics possesses the following threats:

1.Job losses due to AI automation.
2.Social manipulation through AI algorithms.
3.Social surveillance with AI technology.
4.Autonomous weapons powered by artificial intelligence.
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And they could lead to the unintended detriment or vicious use if AI systems with independent decision-making capabilities are developed without acceptable safeguards

The pitfalls of AI and robotics can be avoided by prioritising safety and ethics in exploration and development, establishing clear guidelines and norms for responsible AI and robotics, implementing robust regulatory frameworks and international cooperation, ensuring safety measures and secure data handling, fostering human-machine collaboration and augmentation, promoting education and public mindfulness, continuously monitoring and evaluating societal impact and risks and encouraging responsible use and adherence to ethical principles.

In conclusion, comparing the relative troubles of AI and nuclear munitions is complex. While nuclear munitions retain immediate and ruinous destructive power, AI presents more nuanced and long-term pitfalls. Nuclear munitions pose direct empirical trouble, while the enterprises girding AI revolve around unintended consequences and abuse. Both AI and nuclear weapons bear rigorous governance, responsible exploration, and global cooperation to ensure safety and alleviate pitfalls. It's pivotal to address the implicit troubles associated with AI and nuclear munitions, feting their distinct nature and taking applicable measures to guard humanity's well-being in an ever-evolving technological geography.

Editor: Noor Sayed

EDITORIAL BOARD

Prof. Sneha Tapre

Editorial Board:

- Dr. Varsha Patil [HOD]
- Prof. Sneha Tapre [Assistant Professor]
- Student Members: Noor Sayed

Editorial board is glad to release the current issue of our Department Newsletter July 2022. We appreciate the efforts taken by the editorial board in compiling useful information & activities by department. The contribution and dedication of faculty members, students is continuously helping the newsletter in stepwise manner for achieving new milestone.

Newsletter divulge that the department is trying hard to achieve various dimensions such as academic, co-curricular and extra co-curricular activities.