

 <p><b>SIES</b> Graduate School of Technology (Autonomous) RISE WITH EDUCATION NAAC A+</p>	<p align="center"><b>SIES Graduate School of Technology</b>  <b>Sri Chandrasekarendra Saraswati Vidyapuram</b>  <b>Sector V, Nerul, Navi Mumbai-400706</b></p>
<p align="center"><b>ARTIFICIAL INTELLIGENCE and MACHINE LEARNING</b></p>	

## Annual Report 2024-25

### Department Achievement:

- Copyright Registered for title a "Dimension Capture Uses Aruco Marker For Accurate, Cost-Effective Object Measurement, Supporting Single And Multiple Objects" on 27 February 2025 by Atharva Mahesh Kaskar , Yash Gangasagar Varma , Shrey Mahesh Mhatre, Dr. Varsha Santosh Patil, Dr. Arundhati Das.
- Copyright Registered for title a "Campus Edutrack, A Python Based Software Automating Student Data Management, Improving Accuracy, Reducing Time, And Promoting Ecofriendly Practices With Streamlined Processes" on 09 March 2024 by Atharva Abhijit Golwalkar, Dr. Varsha Santosh Patil, Nita Vitthal Patil, Atharva Mahesh Kaskar, Prathamesh Nitin Gajare, Dipak Shahaji Ghadge.

### Collaboration (MoUs)

- Prof. Archana Arundkar signed MoU with Celestelar on 28th August 2024.
- Prof. Jasmin Hirani signed MoU with VocSkills on 20th September 2024.

## Initiatives:

- Industry professionals and alumni were actively involved in the final year project review process, providing valuable insights, feedback, and real-world relevance to student projects.
- The AIML Department organized an Industrial Visit to Pralhad P. Chhabria Research Center on 11th March 2025. Total 16 students visited.



## Academic/Technical Achievements of Students:

SE, TE and BE AIML students actively participated in the Cognition'24 Project Competition held on 21st Sept 2024, judged by Dr. Arti Agrawal (VocSkill), Mr. Aekansh Agrawal (VocSkill), Mr. Samved Mantri (Markscape Pvt. Ltd.)

### S.E. AIML

Sr. No.	Project Name	Name	Result Position
1.	Learning App for Deaf And Mute	Saakshi Kale, Chhaya Gam, Riya Chaurasiya, Stuti Chilweri	1st Position
2.	Calling Based Fire Alarm System	Rohit Patil, Farheen Patel, Mayuresh Lonikar, Chaitanya Karole	2nd Position

### T.E. AIML

Sr. No.	Project Name	Name	Result Position
1.	Learning App for Deaf And Mute	Saakshi Kale, Chhaya Gam, Riya Chaurasiya, Stuti Chilweri	1st Position

2.	Calling Based Fire Alarm System	Rohit Patil, Farheen Patel, Mayuresh Lonikar, Chaitanya Karole	2nd Position
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## B.E. AIML

Sr.No	Project Name	Name	Result Position
1.	True Tone	Deepak Chaudhary, Suraj Kanojiya, Lokeshwar Nelwai	1st Position
2.	Voice Pathology Detection	Krishnan P.V., Sahil Brid, Omkar Shivarkar	2nd Position

- Ujjwal Rai and Nikhil Wandkade from Second Year AIML, have been selected for the fellowship under the “MSSU-AMRUT Entrepreneurship Scheme”, with a grant of ₹3 Lakh, on 4th September 2024.
- Harshkumar Pasi (BE) was invited as the speaker for Evolve 24 - New Delhi. Evolve is WhatsApp flagship event with Aisensy. He gave a talk on "How to build AI-First Agency businesses and their roadmap for first 5cr" on 4th October 2024.
- P. V. Krishnan, Sheshasai, and Yash Varma from the AIML department secured 2nd place in a Paper Presentation Competition at the National Student Conference on Emerging Trends and Technology, TechVision by Thakur College of Engineering and Technology on 4th October 2024.
- P.V. Krishnan, Sahil Brid, Sheshasai Dusa and Shravani Wani won the Zonal Round of Avishkar 2024, at Father Agnel, Vashi for their project “Voice Pathology” on 15th Dec 2024.
- Atharv Kaskar, Sainath Redekar, Yash Varma and SHrey Mhatre won the Zonal Round of Avishkar 2024, at Father Agnel, Vashi for their project “Dimension Capture” on 15th Dec 2024.
- Noor Sayyad received GSTIAN award at TML 2025 on 31st Jan 2025.
- Krishnan Venkiteswaran received Technical Excellence at TML 2025 on 31st Jan 2025
- Krishnan Venkiteswaran (BE AIML) and Sahil Brid (BE AIML) for their outstanding achievement in winning (First Rank) the "HackTU 6.0" at Thapar Institute of Engineering and Technology, Patiala on 9th Feb 2025
- Krishnan Venkiteswaran (BE AIML) and Yash Varma (TE AIML) for their outstanding achievement in winning the Datathon at K.J. Somaiya College of Engineering on 2nd Feb 2025.
- Krishnan Venkiteswaran (BE AIML) & Yash Varma (TE AIML), secured first prize (₹75,000) at the prestigious "The Great Bengaluru Hackathon." Collaborating with talented peers from other institutions, they demonstrated outstanding innovation, problem-solving skills, and technical expertise organized in the month on 16th March 2025 .
- Krishnan Venkiteswaran, Sahil Brid and Vaibhav Kachare won the Techxter National level paper presentation competition organised by IETE SIESGST. They presented their paper “BiLSTMs and Liquid state machines for computerised vocal health monitoring” on 21st March 2025.
- TE AIML Student Madan Muthuraj Nadar has secured Third Prize in the XR Hackathon for the Tourism track, organized during the Somaiya Innovation and Impact Festival on 5th March 2025.
- Atharva Sawant (TE-AIDS), Tushar Patil (SE-AIDS), Paras Kumbhar (TE-AIML), and Omkar Gorde (BE-IoT) won 2nd place at the AI Odyssey Hackathon held at Universal AI University, Karjat on 7th March 2025.
- Rajneel Chougule , Shravani Shinde secured the position as 2nd runner-up in the GEN AI Showdown hackathon at Pillai College of Engineering on 29th March 2025.

- Aradhya Dange BE AIML and team secured a spot in the top 10 and achieved 6th place in hackathon organized by the Government of India, public sector banks, and Union Bank of India, with K.J. Somaiya College serving as the event center on 21st March 2025.
- Himanshu Yadav BE Aiml have won 2nd prize in the project presentation competition organized by Fr. Agnel Vashi on 16th April 2025.
- Yash Varma TE AIML won 1st Prize at K.J. Somaiya Hackathon on 13th April 2025
- Alesha Bano (SE AIML) and Sadaf Shaikh (SE AIML) participated in ANVESHANA 2025, state level project competition, as the finalist.
- Rohit Patil (SE AIML) and Farheen Patel (SE AIML) participated in ANVESHANA 2025, state level project competition, as the finalist.
- Pratham Salgaokar (SE AIML) and Om Revenkar (SE AIML) participated in ANVESHANA 2025, state level project competition, as the finalist
- SE AIML student Alisha Bano Abdul Wahab represented Magic Bus India Foundation as a Guest Speaker at the prestigious Magic Bus Gala Event in Houston, USA. She engaged with global leaders and dignitaries, including Bollywood actress Bhumi Pednekar and Magic Bus Founder Mr. Mathew Spacie.
- Paras Kumbhar (TE AIML), Sahil Haldankar (TE IT) Rohan Prakasan (TE IT) team 'Segmentation Faults
- secured an AIR 14 in the DSA Competition held at IIT Kanpur, out of more than 650 teams from across India.

### **Faculty Awards & Achievements:**

- Dr. Arundhati Das have secured a top 2% rank in the "Deep Learning" subject conducted by NPTEL in November 2024.
- Prof. Jasmin Hirani have secured 60% in the "Deep Learning" subject conducted by NPTEL in November 2024.
- Dr. Varsha Patil from AIML department have secured a top 2% rank in the "Deep Learning" subject conducted by NPTEL in November 2024.
- Dr. Bhagyalakshmi completed an 8-week NPTEL course on “Data Mining”.
- Ms. Nita Patil completed an 12-week NPTEL course on “Cloud Computing”.
- Dr. Arundhati Das completed an 12-week NPTEL course on “Introduction to Machine Learning”.
- Dr. Varsha Patil completed an 12-week NPTEL course on “Cryptography and System Security” with top rank 1%.

### **Paper Publications by Students ad Faculties:**

- Dr. Varsha Patil, Mohit Paradkar, Nikhil Nair, Prem Rana, Tanmay Rewale have presented a paper entitled “SketchMate with AutoShape” in the 3rd International Conference on Data Science & Management (ICDSM-24) , Gandhi Institute for Education and Technology, Baniatangi, Bhubaneswar, Odisha, India during 13th and 14th December 2024, in association with Springer and in joint collaboration with SMIT, Majitar, East Sikkim and Reva University, Bengaluru.
- Dr. Varsha Patil, Sanskar Unkule, Varada Nakhate, Ananya Maurya, Aditi Maurya have presented a paper entitled “Information Retrieval using Evolutionary Algorithms”, in the 3rd International Conference on Data Science & Management (ICDSM-24) , Gandhi Institute for Education and Technology, Baniatangi, Bhubaneswar, Odisha, India during 13th and 14th December 2024, in association with Springer and in joint collaboration with SMIT, Majitar, East Sikkim and Reva University, Bengaluru.
- Dr. Varsha Patil, Krishnan Venkiteswaran, Sahil S.Brid, Yash G.Varma, Sheshasai A.Dusa have presented a paper entitled “Advanced Fake News Detection Using BERT and Ensemble Learning: A Performance Study”, in the 3rd International Conference on Data Science & Management (ICDSM-24) , Gandhi Institute for Education and Technology, Baniatangi, Bhubaneswar, Odisha, India during 13th and 14th December 2024, in association with Springer and in joint collaboration with SMIT, Majitar, East Sikkim and Reva University, Bengaluru.
- Dr. Varsha Patil, P.V. Krishnan, Sahil Brid, Onkar Shivarkar, Adhiraj More presented paper on the topic “Neuro Symbolic AI for Medical Image Diagnosis” at MulticonW25 , IC-ICN-2025 at Thakur College of Engineering and Technology on 21st February 2025.
- Dr. Varsha Patil, Suyash Utekar, Aditya Randive, Pranav Pillai presented paper on the topic “TransBioRetro: A Transformer-based Self-Correcting Beam Search Framework for Bio-Retrosynthesis Prediction ” at MulticonW25 , IC-ICN-2025 at Thakur College of Engineering and Technology on 21st February 2025.
- Prof. Jasmin Hirani, Aditi Patwardhan, Iram Mukri and Mitesh Mane presented paper on the topic “Diabetic Retinopathy Classification using Deep Learning” at MulticonW25, IC-ICN-2025 at Thakur College of Engineering and Technology on 21st February 2025.
- Prof. Jasmin Hirani, Zaid Chikte, Atharva Shinde, Vinit Joshi and Asil Salam presented paper on the topic “Heart Attack Prediction” at MulticonW25, IC-ICN-2025 at Thakur College of Engineering and Technology on 21st February 2025.
- Prof. Hemangi Dharav, Nivedh Anakakkil, Nikhil Ravariya, Shoaib Shaikh, Chandana Shastri

presented paper on the topic “Hybrid model for video enhancement” at MulticonW25 , IC-ICN-2025 at Thakur College of Engineering and Technology on 21st February 2025.

- Dr. Bhagyalakshmi published a paper on "Licence plate redaction algorithm: a privacy-preserving approach." in International Journal of Artificial Intelligence and Soft Computing 8, no. 3 (2024): 215-237.

### **Sports Achievement:**

- Mr. Selva Manikandan (SE) secured the Bronze medal in the International Silambam Championship in the Stick Fight category, Trivandrum, Kerala (4th to 6th September 2024)



- Mr. Paras Kumbhar (TE AIML) and team secured third place in the 4x100m relay discipline at the Mumbai University Thane Zonal Intercollegiate Athletics Championships held on 16th October 2024 at University Sports Pavilion, Marine Lines, Mumbai.



- Mr. Tanmay Mishale secured Runner Up in Mumbai University Tournament , B.K Birla , Kalyan (October 12 to 8 December, 2024)



- Mr. Tanmay Mishale secured 2nd place in the boys volleyball tournament hosted by VJTI Enthusia from January 31 to February 6, 2025.



### **Expert Lecture Seminars/Workshops:**

- Prof. Archana Arundkar organized two days workshop on “Introduction to Blockchain”
- Mr. Chinmay Chandak (CE Alumni 2020 Batch) Block End, on 13th & 14th July 2024
- Prof. Archana Arundkar organized Guest Lecture on “Full Stack Web Development”, on 24th July 2024 by Mr. Shabarish Ramaswamy (CE Alumni 2021 Batch), Connectwise.
- Prof. Nita Patil organized Expert Session on “Literature Survey”, on 8th August 2024 by Dr. Santosh Rane, Professor SPT, Mumbai
- Prof. Archana Arundkar organized Guest Lecture on “NLP Techniques”, on 28th August 2024 by Mr. Sahil Pandre, Founder of Celestelar.
- Prof. Jasmin Hirani organized Guest Lecture on “Deep Learning”, on 20th September 2024 by Mr. Zoheb Kazi of VocSkills for AIML & AIDS Department.
- Prof. Amruta Kothawade organized Guest Lecture on “ThinkSpeakCloud for IOT”, on 3rd September 2024 by Mr. Santosh Kamble of Saitronics Pvt. Ltd.
- Dr. Arundhati Das organized Guest Lecture on “How to build Successful product using Artificial Intelligence in Today’s time”, on 3rd October 2024 by Mr. Ayush Anand of Level Supermind
- Introduction to IET Students chapter on 4th Feb 2025 by Ms. Saudamini Dutta
- Dr. Varsha Patil organized a Expert talk for the subject CSS on the topic “Ethical Hacking” by Mr.

Siddhesh Vaidya, Hacktify, 14th Feb 2025.

- Prof. Jasmin Hirani organized a Expert talk for the subject AOA on the topic “Algorithmic Analysis”, Mr. Samprit Chaurasiya, CE ALumni 2023 Batch, Software Engineer, Cimpres, 14th Feb 2025.
- Dr. Arundhati Das organized aExpert talk for the subject ML on the topic “From Data to decisions: Machine Learning in Action” by Rithik Raj Vaishya, Founder & CEO, RV TechLearn on 17th Feb 2025.
- Dr. Bhagyalakshmi M. organized One Day Workshop for the subject AAI on the topic “GenAI and Data engineering” by Mr. Mrityunjay Kumar Pandey, Founder“Itidaksh Education” on 18th Feb 2025.
- Prof. Nita Patil from the AIML Department organized an expert talk on “Cloud Computing” on 18th March 2024, delivered by Mr. Ajit Kumar (CE Alumni, Batch 2015-19).
- Guest Lecture organized by AIML Department on “Internship Opportunities” for SE AIML Students on 7th March 2025.

### **Value Added Courses:**

- Dr. Varsha Patil and Prof. Jasmin Hirani organized and conducted 5 days session on “Deep Learning” from 8th Jan to 12th Jan 2025.
- Prof. Nita Patil and Prof. Dnyanada Khandagade organized and conducted 5 days session on “Crafting Intelligence: IoT and Data Visualization” from 06th Jan to 11th Jan 25.
- Dr. Arundhati Das and Dr. Varsha Patil orgalized and conducted 5 days session on “Computer Vision and Deep Learning: Concepts to Applications ” from 23th June to 27th June 2025.

### **Faculty Development Program (FDP):**

- Dr. Varsha Patil with Prof. Savita Lohiya organized Six Days ISTE Sponsered STTP on “Generative AI” from 9th Dec to 14th Dec 2024.
- AIML Faculty Members successfully completed the ISTE-approved Six Days ISTE Sponsered STTP on “Generative AI” from 9th Dec to 14th Dec 2024.