



Shri Vile Parle Kelavani Mandal's
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING
(Autonomous College Affiliated to the University of Mumbai)
NAAC Accredited with "A" Grade (CGPA : 3.18)



DJS ACM Student Chapter

Special Interest Group on Artificial Intelligence

DJS ACM SIGAI – Students' Chapter

(For the A.Y 2023-24)

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DJSCE – ACM SIGAI ANNUAL REPORT 2023-2024

An official student chapter of the Association for Computing Machinery Special Interest Group on Artificial Intelligence at **Dwarkadas J. Sanghvi College of Engineering, Mumbai**. We are known for promoting erudition by organizing various events to supplement traditional learning practices & cater the fast-paced growing demand for rising talents. We are a group of like-minded students, with a common goal of creating an environment that is conducive to technological know-how while promoting creative and leadership skills.

Dwarkadas J Sanghvi's Association of Computing Machinery Special Interest Group on Artificial Intelligence (DJSCE – ACM SIGAI) Student chapter organized multiple events during this current academic year. To create a sense of community and increase outreach, DJSCE – ACM SIGAI's social media accounts constantly posted helpful content on Instagram, LinkedIn and Discord. The term has been a resounding success, as demonstrated by the reception of the following events.

With a total registrations of 1200+ across events from all around the country, we can proudly claim that the term has been a resounding success, as demonstrated by the reception of the following events.



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Members Information of DJSCE - ACM for year 2022-2023 :

Total Number of Chapter Members Student	123
Total Number of Chapter Members Professional	1



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Events organized by DJS ACM SIGAI from June, 2023 to April, 2024:

- **Expert Talk on Career Planning in AI and Data Science** – 23rd August 2023
- **ACM SIGAI Inauguration Seminar** - 6th September 2023
- **Membership Drive** – 4th October 2023 – 25th October 2023
- **Clockout 1.0** – 7th October 2023
- **SYN3RGY 1.0** - 24th February, 2024- 25th February, 2024
- **Industrial Visit** – 20th March 2024



Date: 23/08/2023

Expert Talk on Career Planning in AI and Data Science – 2023

Distinguished Speaker: Dr. Sunil Kumar Vuppala

On Wednesday, 23rd of August, a seminar was held by Dwarkadas J. Sanghavi College's SIGAI, Student Chapter of Artificial Intelligence and Machine Learning department. The seminar was regarding career planning in the field of AI and Data Science led by Dr. Sunil Kumar Vuppala, an AI thought leader with over 30 published papers and 40+ patents in the field. Dr. Sunil is working as the Director-Data Science and has 19+ years of industrial and research experience in the fields of Machine learning, Deep learning, Analytics, Internet of things and Automation.

The event began with a small introduction to the speaker given by Mr. Yash Palkar, the student representative of the chapter for the event, this was then followed by a flower bouquet presented to the speaker by Dr. Aruna Gawade. Dr. Sunil Kumar covered various topics during the course of the seminar. He explained the background of AI & DS and the world expectations from the field. He also broke certain common myths that students have in general and their myths regarding the subject. Overall, he guided the students through various professions that students could pursue in the field of AI, Data Science and Machine learning, he explained the various things that students could do to enhance their resume, one of which was attempting the GATE for the examination.

The seminar was a well-received with an overwhelming response of 100+ students. The audience held a majority of students from the AI & ML and AI & DS departments. Dr. Sunil Kumar ended his session with a Q&A round where students asked interesting questions regarding the topic of the session. The students indeed had a lot of things to take back from the seminar in terms of knowledge. The seminar gave students a clearer vision of what the future might look like. The seminar ended with a vote of thanks delivered by the student representative.





Date: 23/09/2023

Inauguration Ceremony – 2023

Distinguished Speaker: Dr. Biplap Banerjee

The "Inauguration Ceremony," held on the 6th of September at the Dwarkadas J. Sanghvi College of Engineering, was a landmark event marking the official establishment of DJS ACM SIGAI, the student chapter for Artificial Intelligence. With a remarkable attendance of over 120 students, the seminar's overarching goal was to foster a burgeoning interest in the field of computer vision (CV) while creating an environment conducive to learning and collaboration.

The highlight of the event was the insightful presentation by Dr. Biplap Banerjee, an esteemed Associate Professor at the prestigious Indian Institute of Technology (IIT) Bombay. Dr. Banerjee is a renowned authority in the domains of computer vision, machine learning, and deep learning. He shared his wealth of knowledge and experience with the eager audience, shedding light on the critical aspects of CV.

Throughout his presentation, Dr. Banerjee delved into the fundamental principles of computer vision, covering a wide array of topics within the discipline. He discussed image processing and enhancement, a crucial element in the CV pipeline, and highlighted how it contributes to improving the quality and interpretability of visual data. Feature extraction and object detection were also explained, showcasing their role in identifying and characterizing objects within images.

The audience left the seminar with a newfound appreciation for the complexities and potential of computer vision. Dr. Banerjee's engaging presentation not only provided a theoretical foundation but also offered practical insights into real-world applications. Attendees were inspired to further explore this dynamic field, recognizing the endless possibilities it presents.

Aside from the knowledge imparted, the event served as a networking platform, uniting students with a shared passion for AI and CV. DJS ACM SIGAI, now firmly established as a vibrant hub for AI enthusiasts, is set to play a pivotal role in shaping the future of AI education and exploration at the institution.

As we look ahead, the recommendations and action points for the chapter include continuing to organize events, workshops, and mentorship programs. These initiatives will further nurture the burgeoning interest in AI and CV, creating a supportive ecosystem for students to thrive in this dynamic field.

In conclusion, the Inauguration Ceremony was a resounding success. Dr. Biplap Banerjee's presentation not only set the stage for the chapter's future endeavours but also solidified the chapter's status as a driving force in the realm of Artificial Intelligence at Dwarkadas J. Sanghvi College of Engineering. The event was an inspiring beginning, and we eagerly anticipate the exciting journey that lies ahead.



DJS ACM Student Chapter **Special Interest Group on Artificial Intelligence**

DJSCE ACM SIGAI'S MEMBERSHIP DRIVE 2023

DJSCE ACM's SIGAI held its membership drive from 4th October to 25th October 2023 which saw engagement from over 500 students from departments varied as AI/DS, IOT, Data Science, Mechanical, EXTC, IT, Computers and without a doubt, AIML.

The membership fee for the students was rupees 400 and this membership allowed students to access the following perks:

- Free Access to Monthly Workshops which provided a deep insight into the field of Machine Learning (ML), Computer Vision (CV), Natural Language Processing (NLP), Deep Learning (DL), and Full Stack with ML integration.
- Member-Exclusive Seminars for career building, resume building and expert sessions to ready our members for the tech world.
- Priority in Hackathons
- Early access to Industrial Visits
- An opportunity to connect with seniors and alumni for professional networking through our official Discord server.
- Access to member-exclusive events
- Exclusive access to mock interviews to give the members industry grade feedback and prepare them for the internship fair.
- ACM Digital Library Access for academic and research work.
- Access to ACM TechNews and CareerNews Subscription to keep up with news, updates and advancements in the domain.
- Exclusive benefits, resources provided to members and concessions to SIGAI's future events.

Publicity for this membership drive was conducted through both online channels and on-campus activities. Our social media campaign included a variety of engaging broadcast messages, photos, and videos to highlight the world of SIGAI and the numerous benefits of becoming a member. This approach proved to be highly effective, reaching a wide audience across platforms such as WhatsApp, Instagram, Facebook, and LinkedIn.

Additionally, we set up a registration desk on the ground floor of our college, featuring an impressive technical exhibit that showcased our team's technical expertise. This exhibit attracted significant interest and provided a hands-on experience for potential members. To streamline the process, payments were accepted exclusively online, ensuring a smooth and efficient registration experience.



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The drive was an overwhelming success. Every participant received their membership receipts within 48 hours of payment, and their official SIGAI membership IDs were issued within 15 days. The swift processing and delivery were appreciated by all.

We are proud to report that our efforts were immensely successful, resulting in 101 new members joining SIGAI this year. This membership drive stands out as one of the most successful membership drive, we have organized thus far, thanks to the enthusiastic and positive response from students across our institution. The overwhelming support and participation underscore the strong interest in SIGAI and its activities.

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Date: 07/10/2023

CLOCKOUT 1.0 – A Journey Through Time and AI

DJS SIGAI's CLOCKOUT 1.0, held at Dwarkadas J. Sanghvi College of Engineering, on October 6, 2023, was a spectacular event that transported participants through a captivating narrative spanning centuries and delving into the enigmatic world of Artificial Intelligence (AI). Drawing over 30 teams, CLOCKOUT 1.0 was designed as an immersive experience, combining elements of mystery, technology, and teamwork.

The event began with an intriguing premise: a mysterious entity approached the military, delivering an official package that appeared to be legitimate but concealed deeper secrets. The participants were tasked with unravelling the true nature of AI while facing pivotal questions and puzzles. They were given three distinct choices, each leading to unique paths and challenges. Teams could opt to travel back in time to uncover the origins and evolution of AI, delving into the past for crucial insights. Alternatively, some teams embraced the mission of confronting the malevolent AI, determined to thwart its threats to the world. Finally, others chose to venture into the future, gaining a glimpse of how AI would shape the world and influence humanity in the years to come. As they navigated through the intricacies of the storyline, uncovered hidden clues, and charted different timelines, it was unveiled that the AI entity, which had initially appeared potentially malevolent, had, in fact, been benevolent throughout the journey, guiding and assisting participants on their quest.

CLOCKOUT 1.0 was a resounding success, offering a unique blend of intrigue, technology, and storytelling. It not only challenged participants but also inspired them by showcasing the dynamic potential of AI and its impact on our world.

The winners of this race against time were:

1st Place: DODS

2nd Place: ByteMe

3rd Place: Mavericks





SYN3RGY Hackathon Report

Dwarkadas J. Sanghvi College of Engineering's official student chapters DJS ACM SIGAI, DJS ISACA and DJS NSDC organized SYN3RGY, its first-ever 24-hour hackathon in on 24th and 25th February 2024. The event aimed to foster innovation, collaboration, and creativity among participants while addressing real-world challenges in the domain of GenAI, Web3, Web/App, Machine Learning and Cybersecurity. with a prize pool of ₹100,000/-.

The inauguration ceremony commenced with a ceremonial lighting of the lamp by Dr. Hari Vasudevan, principal of DJ Sanghvi College of Engineering. The ceremony was also graced by Dr. Narendra Shekokar, faculty advisor of DJS ISACA, Dr. Aruna Gawade, faculty coordinator of DJS ACM SIGAI, Prof. Lakshmi Kurup, faculty coordinator of DJS NSDC, the presence of these dignitaries added immense prestige and significance to the event, symbolizing the union of knowledge and innovation that SYN3RGY sought to embody.

The hackathon was hosted on the Devfolio Platform. The total number of registered teams was 269, and a total of 50 were shortlisted with the help of a rigorous resume scanning round. Accordingly the problem statements domain were allocated to the students which included GenAI, Web3, Web/App, Machine Learning and Cybersecurity. The event started at 11am on 24th February 2024 and ended at 11am on 25th February 2024. After which the second round for the final prize distribution was conducted. The hackathon benefited greatly from the guidance and expertise of the mentors and judges. The esteemed panel included Mr. Shubham Sah, Mr. Santosh Chapaneri, Mr. Hrishikesh Yadav, Mr. Vivek Yadav, Mr. Aniket Chavan, Mr. Soham Thakkar, Mr. Yash Joshi, and Mr. Kaivan Shah. Their valuable insights and feedback provided invaluable support to the participants throughout the competition.

The winners of the hackathon are as follows: DODS from Dwarkadas J. Sanghvi College of Engineering secured the first prize of ₹50,000. domain The first runner-up position was claimed by CFortyTwo from Sardar Patel Institute of Technology. Their impressive performance earned them a prize of ₹30,000. Taking the second runner-up position was Enemies Of Syntax, also from Dwarkadas J. Sanghvi College of Engineering. Their project exhibited ingenuity and problem-solving abilities, earning them a prize of ₹20,000.

The hackathon was made possible with the support of various sponsors, including Devfolio, Polygon, ETHIndia, BNPS International, Sequus, Jamboree Education, SYBGEN, MakingGrad Oversea Education Consultant, Ettarra, Give My Certificate, Rigel InfoTech, Postman, Redbull, and ARtmeTech. Their sponsorship contributed to the success and smooth execution of the event.

The perseverance and determination of the students participating in the Hackathon motivated the other students to take part in such an event and improve their skillset for good.





Industrial Visit Report - Reliance Jio

The AIML Department of DJ Sanghvi College of Engineering organized an insightful industrial visit to Reliance Jio in Navi Mumbai on 20th March 2024. The visit was led by Dr. Aruna Gawade, Head of the Artificial Intelligence and Machine Learning Department, and Assistant Professor Ragini Mishra, who accompanied a group of 22 enthusiastic students. The main objective of the visit was to provide students with firsthand exposure to Reliance Jio's latest advancements and innovations in artificial intelligence and machine learning.

During the industrial visit to Reliance Jio, Navi Mumbai, students were given an in-depth overview of the company's groundbreaking technologies, emphasizing the integration of artificial intelligence and digital services. One of the key highlights was Jio Phonelcall AI, which automates call recording, transcription, summarization, and translation, making communication more efficient. Students were also introduced to Jio Brain, a suite of AI tools designed to enhance decision-making and operational efficiency, supported by green-powered data centers. Additionally, the upcoming Jio AI-Cloud Welcome Offer, providing 100 GB of free cloud storage, showcased the company's commitment to democratizing AI and cloud services.

The visit also covered Jio TvOS, an operating system for Jio Set Top Boxes that supports Ultra HD 4K video and Dolby Atmos, offering a rich entertainment experience. Students explored Jio Home IoT, which simplifies home automation by enabling centralized control of smart devices. JioTV+ was presented as an all-in-one platform that integrates over 860 live TV channels and popular streaming services. Finally, Jio Home was discussed, emphasizing advancements in broadband and smart home technology to create a more connected and seamless living environment.

Overall, the industrial visit to Reliance Jio was a valuable learning experience. It provided students with exposure to real-world applications of AI and emerging technologies, highlighting the practical impact of these innovations. The detailed demonstrations and comprehensive explanations offered during the visit inspired students to consider how these technologies might influence their academic and professional futures.

