



DJS ACM Chapter SIGAI Annual Report 2024-25

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Faculty Mentors

Dr. Aruna Gawade Prof. Ragini Mishra

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Introduction

DJS ACM SIGAI Chapter, a specialized interest group under the Association for Computing Machinery (ACM), has had a remarkably productive year, focusing on fostering innovation and knowledge in **Artificial Intelligence and Machine Learning (AIML)**. Our chapter is dedicated to exploring the frontiers of AI, nurturing talent, and creating a collaborative environment for students and enthusiasts. We serve as a dynamic platform for delving into the complexities and immense potential of AI, driving innovation through a diverse range of events and initiatives. From foundational explorations to cutting-edge applications, we provide unparalleled opportunities for learning, research, and hands-on experience in the ever-evolving landscape of artificial intelligence.

The chapter successfully organized several major events this year, which attracted substantial participation and enthusiasm from students. These events include:

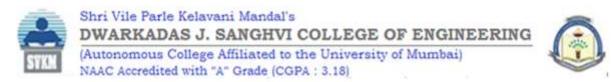
- **GENESIS:** (If you have specific details about GENESIS, such as it being an introductory workshop series or foundational boot camp, you can add them here.)
- Research Paper Writing: This initiative was designed to equip aspiring researchers with the skills and knowledge necessary to craft compelling and impactful research papers in the field of AI, guiding them through the entire process from topic selection to publication.
- CLOCKOUT 2.0 A Journey Through Time and AI: This event explored the historical evolution of AI and its futuristic implications, showcasing its transformative impact across various domains and inspiring participants with the vast possibilities of the field.
- AI Automation Seminar Catnip: A deep dive into the practical applications of AI in automation, offering insights into tools, techniques, and real-world implementations, providing attendees with valuable knowledge for optimizing processes.



• SYN3RGY 2.0: The Agentic AI Buildathon: A high-octane buildathon that challenged participants to develop innovative solutions leveraging agentic AI principles, fostering creativity, teamwork, and practical skill development.

Additionally, the DJS ACM SIGAI Chapter conducted numerous interactive sessions and workshops, assisting students with doubts and questions related to AIML concepts and practical implementations. These sessions have played a crucial role in enhancing the problem-solving and application skills of our members.

Furthermore, the chapter's regular collaborations and sessions with experts and pioneers in the AI field have been immensely beneficial for our members, providing them with invaluable insights and networking opportunities. With an increasing number of students regularly engaging in our activities, the DJS ACM SIGAI Chapter is becoming increasingly successful in accomplishing its mission. The dedication and efforts of the committee and its members are paving the way for a brighter future in AIML for all students involved.



Event 01: Co- Committee Interviews

Date: 16th and 17th August, 2024.

Time: 10:00 am to 5.00 pm.

Organizers: 2024-2025 Core group of DJS ACM SIGAI

Venue: 1st Floor, Library Seminar Hall.

Audience: S.Y. B. Tech

Description:

The **DJS SIGAI** (Special Interest Group on Artificial Intelligence) recently conducted its Co-Committee interviews over two days at the Library Seminar Hall in D.J. Sanghvi College of Engineering. The purpose was to select the most suitable candidates for the Co-Committee positions for the academic year 2024-2025. The venue was arranged to maintain a formal, professional atmosphere, ensuring a comfortable environment for both the panel members and the candidates throughout the selection process.

The interview process was crucial in identifying students who not only possess AI expertise but also demonstrate essential soft skills for collaboration and leadership. By the end of the two days, the panel had a clear understanding of which candidates were best suited to contribute meaningfully to the Co-Committee's initiatives and objectives for the upcoming academic year.





The interview panel consisted of the Head of the various departments of the committee. These departments included – Creatives, Technical, Logistics, Editorial, Publicity and Events. The panel

members were chosen based on their experience, expertise, and knowledge of the responsibilities associated with the Co-Committee.

The interviews were conducted in a structured manner over two days. The process was as follows:

Day 1:

The interview process commenced promptly at 10:00 AM and continued until 5:00 PM. Over the course of the day, a total of 34 candidates were interviewed. Each candidate was given a 20-minute time slot to present their qualifications and respond to the panel's questions.

<u>Day 2:</u>

The second day of interviews adhered to a similar schedule, beginning at 10:00 AM and concluding at 5:00 PM. On this day, an additional 36 candidates were interviewed. In addition to the prescheduled interviews, walk-in interviews were conducted for students who had not registered beforehand.

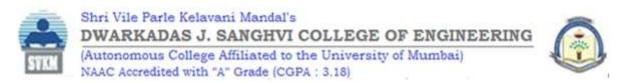
Candidates were assessed based on their capacity to lead and manage teams, collaborate effectively, communicate with clarity and confidence, demonstrate dedication to their roles, and contribute fresh ideas and initiatives to the Co-Committee.



The names of the successful candidates will be announced on 21st August, 2024 through a special event called Genesis. The Co-Committee interviews were conducted successfully, with a strong pool of candidates demonstrating the necessary skills and enthusiasm for the roles. The selected members are expected to contribute positively to the Co-Committee, upholding the standards and traditions of DJ Sanghvi.

Prof. Ragini Mishra Faculty Coordinator

Dr.Aruna Gawade HOD, AIML



Event 02: Event Report for GENESIS

Date: 21st August 2024

Time: 2:00 PM onwards

Venue: 3rd floor Seminar Hall

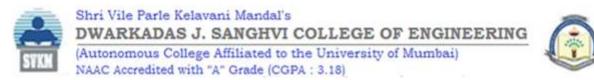
Organizers: 2024-2025 Core group of DJS ACM SIGAI

Audience: Outgoing, Existing and Incoming members of DJS ACM SIGAI

Description:

Dwarkadas J. Sanghvi College of Engineering's official student chapter DJS ACM SIGAI held on August 21st at 2:00 PM, its official induction and felicitation event GENESIS. The event aimed to introduce the newly appointed core members as well as felicitate the outgoing core group as well as the professors who have played an instrumental part in the development and progress of DJS ACM SIGAI.

- The Head of Department (HOD) of the AIML department, Professor Ragini Mishra, Professor Angeline Florence and Professor Nilesh Rathod involved with SIGAI were felicitated with a bouquet for their contributions throughout the year along with the success of SYN3GY the first ever hackathon conducted by DJS ACM SIGAI in coordination with DJS ISACA and DJS NSDC.
- The first group of students who formed DJS ACM SIGAI from the batch of 2025, were each felicitated for their efforts in creating and growing the committee with enthusiasm and ambition and each member was asked to speak a few words to the new core team and the incoming students.
- The event featured a reveal of newly inducted students for the co-committee as well and their assigned roles within the committee.
- Each founding member expressed their gratitude as well as prompted the next generation of students to grow the committee and make it a huge success for the coming batches.
- An informal induction ceremony was conducted for the newly joined members that was engaging and demonstrated the spirit and enthusiasm with which the committee functions.
- The newly appointed co-committee members were also introduced to their new department heads and coordinators and were given their first official task for the new semester.

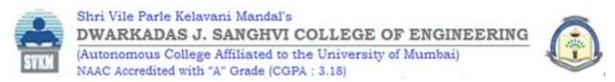




HOD of AIML branch (Prof. Aruna Gawade) [Left] receiving a bouquet of appreciation from Mahir Madhani [Centre] & Krish Gopani [right]



Members of DJS ACM SIGAI 2023-24 Core [Centre] along with the 2024-25 Core



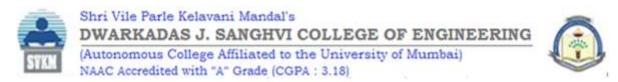
The GENESIS event successfully marked a new chapter for SIGAI, blending recognition of past contributions with the excitement of new beginnings. It served as a platform to honour the previous core committee members, while paving the way for its future growth under new leadership. The event was deemed a success, with the transition of leadership from the founding members to the new generation of students being a key highlight.

Prof. Ragini Mishra

Dr.Aruna Gawade

Faculty Coordinator

HOD, AIML



Event 03: Research Papers Seminar

Date: 6th September, 2024.

Time: 10.00 am to 11.00 am.

Venue: 3rd Floor, Seminar Hall.

Organizers: 2024-2025 Core group of DJS ACM SIGAI

Audience: S.Y. & T. Y B. Tech AIML

Description:

The **DJS ACM SIGAI** (Special Interest Group on Artificial Intelligence) hosted a seminar that provided an in-depth guide on how to write a research paper, particularly in the fields of Artificial Intelligence (AI) and Machine Learning (ML). Dr. Sherekar presented a structured approach to the research and publication process, covering all stages from topic identification to result publication.

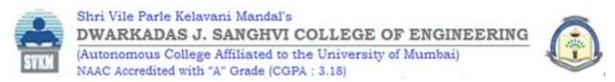
The seminar emphasised the importance of following a structured research cycle, which includes:

- Identifying the Research Topic
- Designing the Study
- Concluding Findings
- Communicating and Publishing

In discussing the structure of a research paper, Dr. Sherekar outlined the essential components: journal name, title, authors, abstract, keywords, introduction, literature survey, methodology, results, conclusion, and references. He provided detailed insights into each section, offering valuable advice on how to approach and write them effectively.

Dr. Sherekar emphasized that the introduction of a research paper should begin with a general overview of the study, providing readers with context and background. This sets the stage for understanding the broader field of research. In the subsequent paragraph, the introduction should narrow its focus, delving into the specific area being studied. Here, it is important to provide relevant details about the field, including recent advancements, challenges, and why the particular research question is significant.

For the literature survey, Dr. Sherekar stressed the importance of conducting a thorough review of prior research. This involves carefully examining and citing key studies that have contributed to the field. Through this process, researchers can identify gaps in the existing body of work, allowing



them to establish the significance of their current study. Furthermore, the literature survey should compare different methodologies, outcomes, and approaches, demonstrating how the present research builds on or diverges from previous efforts. In the results section, Dr. Sherekar highlighted that researchers should begin by presenting preliminary data and stating any assumptions made during the study. This data should be compared with existing methodologies to demonstrate where the study aligns or diverges from established approaches. Successive results should follow, providing detailed findings and their implications in a clear and structured manner, allowing for a critical assessment of the study's contributions.

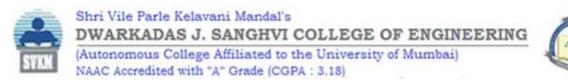
The conclusion should serve as a concise summary of the research problem, emphasizing the significance of the results. This section should also compare the findings with existing literature, illustrating how the study advances the field. Additionally, any limitations encountered during the research, such as data constraints or methodological challenges, should be acknowledged to provide a balanced perspective on the results.

Regarding identifying research problems, Dr. Sherekar provided valuable advice. Researchers should start by exploring broad domains and using specific keywords to narrow down their focus. The use of Google Scholar and similar platforms to identify gaps in pre-existing studies was recommended. By reading recent, well-cited papers, researchers can gain a better understanding of current trends, notable limitations, and potential areas for further exploration.

The seminar also introduced an efficient literature review strategy. The initial check involves reading only the title and abstract to quickly gauge the relevance of a paper. The next step, a perspective check, requires delving into the introduction and discussion sections to understand the paper's assumptions, research questions, and limitations. Finally, a detailed review of the results and methodology will help researchers fully grasp the study's depth and quality.

Before starting to write the paper, several preliminaries were emphasized. A clear hypothesis should be developed to guide the study. High-quality visuals, such as figures with at least 300 dpi, were recommended to illustrate key findings effectively. To maintain the originality of the work, researchers were advised to use plagiarism-checking tools like QuillBot, and to be aware of their research limitations to avoid contradictory statements.

When it comes to writing the paper, Dr. Sherekar suggested starting with the results section, allowing researchers to critically analyse their data and limitations. It's essential to dedicate individual paragraphs to discussing results and their broader implications. The introduction should be concise yet comprehensive, ideally between 500-700 words. Afterward, the methodology and abstract should be written, providing clear details of the research process. The final part of the paper should include acknowledgments, giving credit to contributors and supporting organizations.

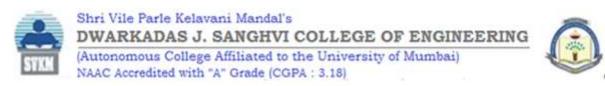




HOD of AIML branch (Prof. Aruna Gawade) [Left] felicitating Dr. Sherekar [right]



Dr. Sherekar beginning his seminar on research paper



This seminar proved to be an excellent resource for researchers aiming to publish their work in the AI and ML domains. Dr. Sherekar provided a well-structured roadmap, helping participants understand the nuances of writing a compelling research paper, from identifying gaps to presenting results in a clear and impactful manner.

Program Outcomes mapped (Please tick mapped POs)

PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
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Program Specific Outcomes mapped (Please tick the mapped PSOs):

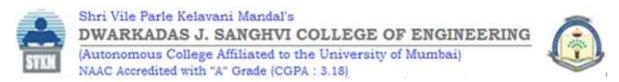
PSO1	PSO2	PSO3	PSO4

Prof. Ragini Mishra

Dr. Aruna Gawade

Faculty Coordinator

HOD, AIML



Event 04: EVENT REPORT FOR CLOCKOUT 2.0

Date: 1rd October,2024

Time: 3:00 pm onwards

Venue: 4th floor

Organizers: 2024-2025 co committee and core members of DJS ACM SIGAI

Audience: Existing students of 1st ,2nd and 3rd year of college

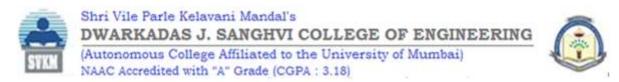
Description:

On the 3rd of October, 2024, the DJS ACM SIGAI Committee hosted *Clockout 2.0*, an eagerly awaited event that brought together students from various years, with a special focus on second-and third-year AIML students. This was more than just a competition—it was a celebration of teamwork, ingenuity, and problem-solving within the growing AI and Machine Learning (AIML) culture at DJ Sanghvi College. Notably, *Clockout 2.0* was an inclusive event, as first-year students also participated, contributing fresh energy and a unique perspective to the competition.

Structure of the Event

Participants were divided into six AI-themed factions: The Gaia Sentinels, The Evolved Kin, The Code Collectors, The Technocrats, The Synthetics ,The Intellectuals. These factions brought together students from all years, with experienced second- and third-year participants acting as leaders and strategists, while the first-year participants brought enthusiasm and fresh thinking. The event consisted of three exciting rounds, each more challenging and engaging than the last.

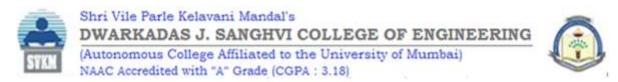
One of the highlights of *Clockout 2.0* was the inclusive environment it created, where students from different years worked hand in hand. First-year participants were fully immersed in the action, quickly stepping up to contribute to their factions' success. The event truly became a platform where students could learn from each other—first-years benefiting from the guidance of more experienced students, while upperclassmen gained new insights from the fresh approaches brought by newcomers. The organizing committee, composed of second- and third-year students, also put in an incredible amount of effort to make this event a success. Every detail, from planning the event structure to creating the faction themes, was executed with dedication.





Round 1: Wordle and Crossword Puzzle

The first round got participants' minds racing with an intellectual challenge combining *Wordle* and a custom crossword puzzle. First-year students quickly adapted to the competitive atmosphere, collaborating with upperclassmen to solve puzzles that unlocked essential passcodes. The teamwork displayed was commendable, as older students guided the newcomers through the techheavy clues.



Round 2: Technical and Non-Technical games

In this round, participants faced distractions while also handling a technical task. Their goal was to decipher a series of clues and timelines to unlock a binary code, which served as a password for advancement. Despite the challenge, it was clear that participants from all years, including first-years, showcased remarkable focus and problem-solving skills under pressure. The combination of experience and new perspectives created an exciting synergy within the factions.

Round 3: Treasure Hunt

The final round pushed all factions to their limits with an exhilarating treasure hunt. Participants had to use clues from the previous rounds to find hidden treasures across campus. First-year students showed immense spirit, actively contributing to solving complex riddles and tracking down the hidden items. The treasure hunt was particularly memorable as it became a race against time, testing both mental agility and physical coordination.

Clockout 2.0 was a resounding success, showcasing the hard work, dedication, and teamwork of both participants and organizers. It created a unique learning environment that combined fun with intellectual challenge, leaving everyone with unforgettable memories. With such overwhelming participation and cross-year collaboration, Clockout 2.0 truly set a new benchmark for future events at DJ Sanghvi College.

Prof. Ragini Mishra

Dr.Aruna Gawade

Faculty Coordinator

HOD, AIML

Event 05: Catnip Seminar "Automation with DJS – AI-Driven Innovation and Future Trends"

Date: 1rd October,2024

Time: 2:00 pm onwards

Venue: Seminar Hall 3rd floor.

Organizers: 2024-2025 co committee and core members of DJS ACM SIGAI

Audience: Existing students of 1st ,2nd and 3rd year of college

Description:

Catnip InfoTech, in collaboration with DJS ACM SIGAI (Dwarkadas Jivanlal Sanghvi College of Engineering's Special Interest Group on Artificial Intelligence), organized a seminar titled "Automation with DJS: AI-Driven Innovation and Future Trends" at the Seminar Hall of DJSCE. The event, commencing at 2:00 PM, brought together students, faculty, and industry experts to explore the transformative role of AI and automation across sectors. Dr. Aruna Gawade, Head of the AIML Department at DJSCE, inaugurated the session by underscoring the significance of AI education and industry-academia partnerships. She introduced the keynote speakers, Mrs. Gayathri Venkatesan(Co-Founder, Catnip Infotech) and Mr. Ravi Israni (Technical Leader, GenAI & Automation, Catnip Infotech), who spearheaded the discussions.

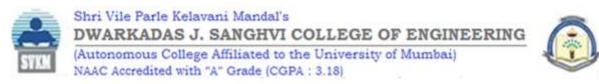
Mr. Ravi Israni delivered an in-depth technical session, beginning with foundational AI/ML concepts such as regression, supervised and unsupervised learning, and their real-world applications. He elaborated on the mechanics of Large Language Models (LLMs), their cross-industry impact, and scalability challenges. A significant portion of his talk focused on ethical considerations in AI development, particularly data privacy concerns, emphasizing the need for organizations to ensure ethical sourcing and ownership of training data. He concluded with insights into **agentic AI**, describing autonomous systems capable of iterative decision-making as a cornerstone of future AI advancements. Mrs. Gayathri Venkatesan complemented these discussions with practical examples of AI integration in business processes, advocating for innovation grounded in ethical practices.



The seminar also celebrated student achievements, with the announcement of winners from Catnip Infotech's online hackathon. All top three positions were secured by students from DJSCE's AIML Department, a testament to the department's academic rigor and the efforts of SIGAI in fostering AI/ML learning. This was followed by a felicitation ceremony honoring **Dr. Aruna Gawade** and AIML faculty members for their leadership in advancing AI education.

The session concluded with acknowledgements to Catnip Infotech for their expertise and sponsorship, DJS ACM SIGAI for seamless organization, and the AIML Department for institutional support. The seminar successfully bridged theoretical knowledge with industry practices, inspiring attendees to engage with AI's evolving potential.





Program Outcomes mapped (Please tick mapped POs)

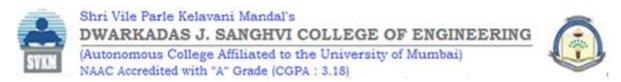
PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
~	~	>		>				>	>	>

Program Specific Outcomes mapped (Please tick the mapped PSOs):

PSO1	PSO2	PSO3
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Prof. Ragini Mishra Faculty Coordinator

Dr.Aruna Gawade HOD, AIML



Event 06: SYNERGY 2.0- The Agentic AI Buildathon Organized by DJS ACM SIGAI

Date: 1st and 2nd March, 2025

Time: 3:00 pm onwards

Venue: Seminar Hall 3rd floor.

Organizers: 2024-2025 Core members of DJS ACM SIGAI, DJS ISACA, DJS NMDC

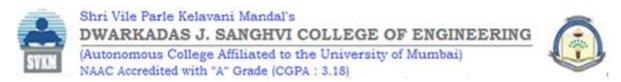
Audience: Existing students of 1st ,2nd and 3rd year of college as well as other college students.

Description:

On 1st March 2025, the Special Interest Group on Artificial Intelligence (SIGAI) organized SYNERGY 2.0, its second edition Buildathon with the Agentic AI theme in collaboration with DJS ISACA and DJS NSDC. The event aimed to foster innovation, collaboration, and creativity among participants while implementing AI to solve real- world challenges in the field of Fintech, Social Cause, Cybersecurity, Social Media and Healthcare.

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. Aruna Gawade, faculty convenor of SIGAI, Prof Ragini Mishra, faculty coordinator of DJS ACM SIGAI, Dr. K.N Vijaya kumar, HoD Mechanical Engineering, Prof. Dipali Bhole, faculty coordinator DJS ISACA, Prof. Deepali Patil, faculty coordinator DJS NSDC and many other respected faculty members. Dr. Narendra Shekokar and Dr. Rajendra Khavekar's presence added immense prestige and significance to the event, symbolizing the union of knowledge and innovation that SYNERGY 2.0 sought to embody. His gesture marked the official commencement of the hackathon, setting the tone for the intense yet rewarding journey ahead. The lamp was lit, illuminating the venue with a warm glow, it symbolized the enlightenment and empowerment that participants would derive from the hackathon experience.

The ceremony was attended by an enthusiastic gathering of participants, mentors, sponsors, and dignitaries, all eager to witness the dawn of a new era in AI innovation. Dr. Aruna Gawade's brief

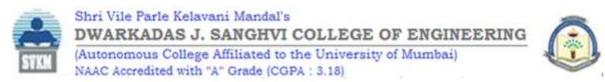


address highlighted the importance of collaborative problem- solving and interdisciplinary approaches in addressing the complex challenges facing society today. Her words resonated with the audience, inspiring them to harness their skills and creativity to make meaningful contributions during the hackathon.

The top forty teams shortlisted from more than three hundred teams, were allotted into different labs and classrooms occupying the complete 3rd floor of the college. The Core and Co Committee members diligently took rounds in every classroom and lab, to assist the participants in any challenges they came across. There were also mentors assigned who took one session to help them around any hurdles they faced. The core members ensured that everything was in order, from food and refreshments to sleeping arrangements, for a smooth and comfortable experience for the teams.

The next day, teams were called out in front of the judges where they had to present their product and pitch about it for 8 minutes followed by a 2 minutes questioning round. Out of the 40 teams, top ten were shortlisted based on the capabilities displayed. After a given time-limit to furnish their projects further, they were called in for the final round. The teams put their best foot forward, in making persuasive pitches for their improved products. The judges – Mr. Rajat Arya(169pi), Mr. Ali(169pi), Mr. Sanket Shah (Co- founder of Fortune Tree), Mr. Keyur Marolia (Co founder of FortuneTree), Mr. Nathaniel Fernandes(HAX Nation), Mr. Meet Mehta SimPPL performed a thorough analysis of those teams and made their final judgement.

The Judges and Mr. Swapnil Gharat awarded the winners with the prizes. The first place was taken by team- 'Linear Depression (IT)', bagging a whopping amount of Twenty- Five thousand rupees while the second and the third places were taken by 'Iterative Bytes (IT, Comps, CSDS, ICB)' and 'Oreo Cookie (AIDS, Comps)' bagging Fifteen thousand and Ten thousand rupees respectively.









Prof. Ragini Mishra

Faculty Coordinator

Dr.Aruna Gawade
HOD, AIML

Conclusion

The year 2024-2025 has been a successful and eventful year for the DJS ACM SIGAI Chapter. The committee's dedicated efforts in organizing diverse events and providing continuous support through workshops and seminars have significantly contributed to fostering a vibrant Artificial Intelligence and Machine Learning (AIML) culture at our college.

The various sessions, including expert talks and practical buildathons, have provided invaluable guidance and inspiration to our students, helping them explore cutting-edge AI technologies and develop practical skills. The remarkable participation in our major events—GENESIS, Research Paper Writing, CLOCKOUT 2.0 – A Journey Through Time and AI, AI Automation Seminar - Catnip, and SYN3RGY 2.0: The Agentic AI Buildathon—highlights the enthusiasm and commitment of our members towards honing their AIML skills.

As we reflect on our achievements, we are proud of the strides we have made in fostering a dynamic and engaging AIML community. With an increasing number of students regularly participating in our initiatives and benefiting from our sessions, the DJS ACM SIGAI Chapter is well on its way to accomplishing its mission of nurturing the next generation of AI innovators. We look forward to another year of growth, learning, and excellence in AIML, driven by the dedication and passion of our committee and members. The future holds immense potential for the DJS ACM SIGAI Chapter, and we are excited to continue our journey towards making our chapter an even more prominent force in the AI and ML landscape.

