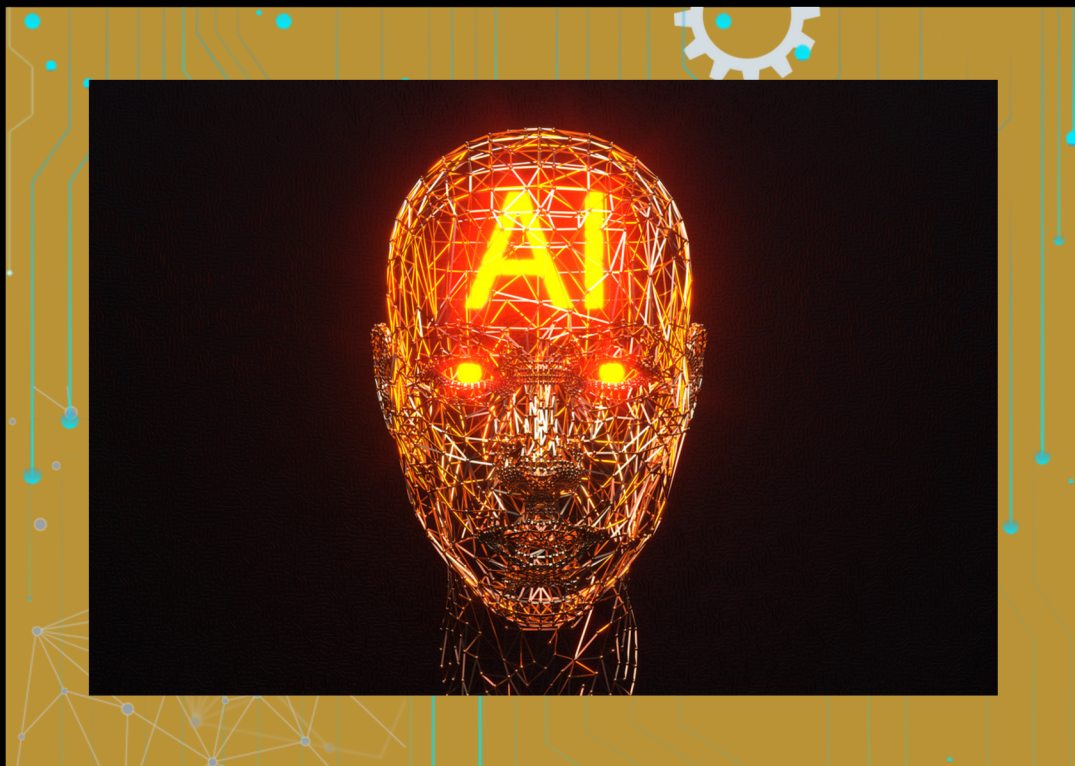


# VirtuAi

NEWS LETTER

ISSUE-4  
MAR-MAY  
2024

## DEPARTMENTS OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING & DATA SCIENCE



**ADITYA  
UNIVERSITY**



### **ADITYA ENGINEERING COLLEGE(A)**

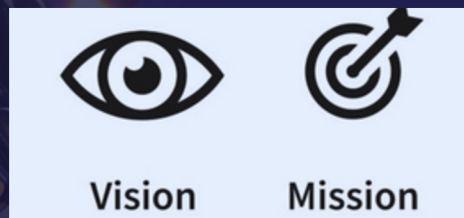
APPROVED BY AICTE, PERMANENTLY AFFILIATED TO JNTUK.  
Accredited by NBA & NAAC 'A++' Grade Recognized by UGC under  
section 2(f) and 12(b) of UGC Act, 1956 Aditya Nagar, ABD Road,  
Surampalem 533437.

# VIRTUAI

## ABOUT THE DEPARTMENTS

Welcome to the Issue-3 of our department AIML & DS at AUS! In just two short years, AIML & DS has achieved incredible milestones, both academically and in sports. AI, or Artificial Intelligence, is the science of making computers smart, enabling them to think, learn, and solve problems. AIML & DS is a trailblazer, setting benchmarks for both academics and sports. Its commitment to innovation and relentless pursuit of knowledge places it at the forefront of academic success. AIML & DS consistently outshines other departments in semester results, thanks to the exceptional talent of students and faculty.

Beyond academics, AIML & DS excels in sports, with athletes demonstrating prowess and leading to inspiring victories. AIML & DS is not just a department; it's a family of ambitious individuals shaping the future of AI and machine learning. Together, they aim to set new standards, push boundaries, and make history.



### VISION:

To become a recognised centre of excellence in the field of Aiml that fulfil the needs of industry and society.

### MISSION :

Impart the knowledge through state-of-the-art-concepts ,tools and techniques in artificial intelligence.  
Promote technical competence by collaborating with industries to provide solutions for future challenges.  
Inculcate ethics, environmental and society consciousness for social responsibility .  
Build leadership and life-long learning skills to ensure the holistic development of stakeholder.

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# ADYA

ADYA, which stands for "Artificial Intelligence and Data Analytics Young Aspirants," is a dynamic and engaging club within the AIML & DS Department. Founded by Dr. S. Ramasree, the Dean of Academics, ADYA is designed to support and nurture students who are passionate about artificial intelligence and data science. The club provides a vibrant platform for students to explore these fields deeply and creatively.

**Diverse Activities:** ADYA hosts a wide range of activities to cater to the various interests and talents of its members. These activities are carefully planned to ensure that students gain both knowledge and practical experience.



**Just-A-Minute (JAM) Sessions:** These sessions challenge students to speak on a given topic for just one minute. This exercise helps improve public speaking skills, quick thinking, and the ability to present ideas concisely.

**Paper Presentations:** Students are encouraged to research and present their findings on topics related to artificial intelligence and data analytics. This helps them develop their research skills, learn to articulate complex ideas, and receive constructive feedback from peers and faculty.

**Coding Tests and Quizzes:** To foster a competitive spirit and sharpen their technical skills, ADYA organizes coding tests and quizzes. These events challenge students to solve problems under time constraints, which can enhance their problem-solving abilities and coding proficiency.

**Creative Ventures:** ADYA also believes in a holistic approach to education. In addition to technical and academic activities, the club explores creative fields to foster well-rounded development.

**Fine Arts:** ADYA encourages students to engage in fine arts, providing opportunities for artistic expression and creativity. This helps students balance their technical studies with creative pursuits.

**Networking and Community Building:** Beyond activities, ADYA serves as a community where aspiring technocrats can connect with each other. The club creates a supportive environment where students can share their ideas, collaborate on projects, and build valuable networks within the AI and data science fields.

ADYA also provides opportunities for members to interact with professionals and experts from premier institutions and industries. These interactions can open doors to internships, research collaborations, and career opportunities.



# FACULTY ACHIEVEMENTS

## Dr. M. Venkatesh (Assoc. Prof & HOD):

Dr. M. Venkatesh, has been honored with the "JYESTHA ACHARYA AWARD" (HoD or more than 15 Years experience in Teaching) from Dr. PVGD Prasad Reddy, Honarable Vice Chancellor - Andhra University, Dr. Buddha Chandrasekhargaru, Chief Coordinating Officer, AICTE in "Bharath Educational Excellence Awards 2024" (An All India Level Award Ceremony for Education & Research Faculty, BEEEA - 2024) organized by "BRAINOVISION SOLUTIONS INDIA PVT.LTD" at Andhra University, Vizag on 21-04-2024.



## Mr. K. N. S. L. Kumar:

Mr. K. N. S. L. Kumar, an Associate Professor, is actively engaged in various faculty development programs and NPTEL courses, demonstrating his commitment to academic excellence and professional growth. He participated in an online Faculty Development Program on "Developing the Future Workforce: Designing an AI & Analytics Curricula" from April 15-19, 2024, organized by SAS APAC Education. He also took part in an International One-Week Faculty Development Program on "Deep Learning Techniques for Social Media Analytics." Additionally, he earned Elite Silver and FDP certificates in the NPTEL Data Mining Course, as well as Elite and FDP certificates in the NPTEL Business Intelligence & Analytics Course.



## Dr. R. Suneetha:

Dr. R. Suneetha, an Assistant Professor, received a UK Design Patent (Design number: 6359569) on April 25, 2024, for an AI-based Heart Disease Prediction Device. She was also appointed Chairperson of the Board of Studies for AI & ML at Aditya University for three years. Additionally, she proposed a One-Week ATAL Faculty Development Program on deep learning in medical image processing, which is under review. She also served as a judge for the "Project Expo 2K24" at Aditya College of Engineering & Technology.





### **Mr. G. Siva Shankar (Asst. Prof):**

Mr. G. Siva Shankar published two conference papers in 2024. The first, titled "Machine Learning Approach for Diabetes Prediction using Genetic Algorithm-based Feature Selection," was presented at the Third International Conference on Power, Control, and Computing Technologies (ICPC<sup>2</sup>T 2024) from January 18-20, 2024, in a hybrid format. The second paper, "A Novel Ensembled Enabled Edge Computing Model for Precision Crop Recommendation," will be presented at the 2024 IEEE International Conference on Advances in Computing, Communication, and Applied Informatics (ACCAI 2024) on May 9-10, 2024.



### **Mr. V. Appalakonda (Asst. Prof):**

Mr. V. Appalakonda, an Assistant Professor, has published a textbook titled **"Internet of Things"** in its first edition with Scientific International Publishing House (SIPH). Additionally, his conference paper, **"Big Data Analysis on Intelligent Traffic Surveillance by Incorporating Sensors and IoT Devices on Roads"** (PAPER ID: ICICT-301), has been accepted for presentation at the **7th International Conference on Inventive Computation Technologies**, to be held in Lalitpur, Nepal, from April 24-26, 2024.



### **Mr. K. Srinu (Asst. Prof):**

Mr. K. Srinu, an Assistant Professor in the Department of Artificial Intelligence, Machine Learning, and Data Science, organized the PSI Activities on March 30, 2024 (Saturday). The event was conducted in an engaging and dynamic manner, featuring a variety of activities including a technical quiz, presentations, and games. These activities were designed to be both educational and interactive, encouraging active participation from all attendees. Through this initiative, Mr. Srinu aimed to foster a collaborative learning environment and enhance the technical skills of the participants in a fun and engaging way.



### **Mrs. K. Kavya Ramya Sree:**

Mrs. K. Kavya Ramya Sree has actively participated in multiple Faculty Development Programs (FDPs) across various colleges, showcasing her dedication to professional growth and enhancing her expertise. Her involvement in these programs reflects her commitment to continuous learning and development in her field.



# DEPARTMENT EVENTS

On March 22, 2024, Artificial Intelligence and Machine Learning students visited the AP Innovation Society in Vizag. They saw new technologies and startups, met experts, and learned about real-world tech applications. The visit enhanced their field knowledge and inspired future career ideas.



On March 22, 2024, Data Science students visited the AP Innovation Society in Vizag. The visit provided them with a look at new technologies and startups. They interacted with experts, explored projects, and saw how advanced tech is used in practice. This experience helped them better understand their field and inspired future career ideas.



On April 10, 2024, Artificial Intelligence and Machine Learning students visited the AP Innovation Society in Vizag. They saw new technologies, met industry professionals, explored projects, and learned about practical tech applications, boosting their understanding and career inspiration.



A workshop on “Data Analytics Using Python” was held from March 11 to March 16, 2024, in the Department of Data Science, led by Ms. Tamada Srikanya from APSSDC, Vijayawada. Participants gained hands-on experience with Python tools and techniques, boosting their practical skills in data analysis.



A workshop on “Web Application Using Django” was held from March 18 to March 23, 2024, in the Department of Artificial Intelligence and Machine Learning. Ms. Tamada Srikanya, an Executive Technical Programs Trainer from APSSDC, Vijayawada, led the workshop as the resource person.





The Department of Artificial Intelligence and Machine Learning organized a Code Carnival Contest to boost students' coding skills. This event provided a platform for students to showcase their programming abilities, compete in various coding challenges, and enhance their technical skills through practical experience. It also fostered a sense of community and collaboration among participants, encouraging them to learn from one another.



The Departments of AIML and DS hosted the Innovix – Ideation Contest from April 18 to 19, 2024. The event aimed to raise awareness about the role of innovation in shaping the future. Students participated in brainstorming sessions and collaborative activities, developing creative solutions to real-world problems and gaining insights into the innovation process. The contest also encouraged networking and idea exchange among participants, fostering a collaborative environment.



## STUDENTS ACHIEVEMENTS

Ms. V. Divya Sri won 5th place in the Hackathon Competition held at Gayatri Vidya Parishad College of Engineering, Vizag. She shared her knowledge about project ideas and their prototypes. This achievement highlights her creativity and technical skills. Divya Sri's insights on project development and prototype design were valuable contributions to the competition, showcasing her ability to innovate and think critically.



Ms. E. Divya won first prize in the Poster Colloquium event organized by the CSE Department at Aditya University during the ADVITHIYA 2K24 event. This achievement showcases her talent and creativity in presenting her ideas effectively through a poster presentation. Her success reflects her dedication and excellence in her field.

Mr. B. Shiva Prasad won 1st prize in the Photography Contest organized by the CSE Department at Aditya University during the ADVITHIYA 2K24 event. His achievement highlights his exceptional photography skills and creativity. This recognition reflects his talent and dedication to his craft.





Mr. N. Charan Teja won 2nd prize in the Digital Treasure Hunt event organized by the CSE Department at Aditya University during the ADVITHIYA 2K24 event. His achievement showcases his problem-solving skills and quick thinking. This recognition highlights his ability to excel in competitive and challenging environments.

Mr. B. Sai Akhil Kumar won 2nd place in the Geobotics competition at MINARE 2024, held at NIT Rourkela. This prestigious achievement showcases his exceptional expertise in robotics and geospatial technology. His innovative approach and technical skills were key factors in his success. This recognition highlights his dedication to his field and his ability to excel in a highly competitive environment.



Mr. K. Teja also won 2nd place in the Geobotics competition at MINARE 2024, held at NIT Rourkela. This significant accomplishment underscores his proficiency in robotics and geospatial technology. His commitment to excellence and innovative thinking contributed to his success. This achievement reflects his hard work, dedication, and talent in the competitive arena of geobotics.

Ms. T. K. Asritha Valli Devi won the “Nandi Award” at a dance competition organized by Sri Surya Nruthyanikethan during the 15th Varshikosthav Ceremony in Kakinada. This prestigious award recognized her exceptional performance and skill in dance. The event highlighted her dedication and talent, celebrating her achievement among a wider audience.



Mr. K. Navyan Chaitanya Raj and Mr. V. S. Prakash Vardhan attended a workshop on "Face Emotion Recognition" and received Merit Certificates for their performance. Additionally, they were given the opportunity to undertake an internship at JNTU GV, Vizianagaram, allowing them to further apply their skills and knowledge in a practical setting.

Mr. M. V. V. D. S. Vinay and Mr. M. Jaya Krishna attended a workshop on "Face Emotion Recognition & Gemini API" and received Merit Certificates for their achievements. They also earned the opportunity to undertake an internship at JNTU GV, Vizianagaram, where they can further develop their skills and apply their learning in a practical environment.







The B.Tech 6th Semester students from the Department of AI & ML recently participated in the "Code Quill" competition held through the Unstop app, organized by the University of Narasaraopet. Their performance was commendable, as they earned merit certificates awarded by JNTUK (Jawaharlal Nehru Technological University, Kakinada). This achievement highlights their coding skills and enthusiasm for academic competitions, bringing recognition to both the students and their department.

Ms. R. Divya Sree and Ms. L. Lakshmi Sowjanya won 2nd Prize in a paper presentation on "AI Tools," organized by the CSE Department at Aditya University as part of the Advithiya 2K24 event. Additionally, Ms. V. Divya Sri secured 5th position in a hackathon competition at Gayatri Vidya Parishad College of Engineering, Vizag, where she shared her insights on project ideas and their prototypes.



Mr. A. Teja won 1st prize in the "Code Quill" event, part of the Cysentia 2K24 program organized by JNTUK Narasaraopet. His outstanding skills and performance earned him this top position among participants, showcasing his talent and dedication. His achievement highlights his hard work and commitment to excellence in coding, inspiring his peers and bringing pride to his college.

Mr. A. V. Abhiram secured 1st prize in the "Spell Fix-Debugging" event at Cysentia 2K24, organized by JNTUK Narasaraopet. His achievement highlights his exceptional skills in debugging and problem-solving, earning him top recognition at the event. This win underscores his dedication and expertise in technical challenges, setting a high standard for his peers.



Mr. K. Yaswanth Kumar secured first place in the "Chess Combat" event at ADVITIYA 2k24, organized by Aditya University in Surampalem. His victory in this competitive event highlighted his strategic skills and exceptional performance in chess. His achievement also brought recognition to his dedication and talent in the game.



# EDITORIAL BOARD

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