



VirtuAI

NEWS LETTER

ISSUE-1

JUN - AUG

2023

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING & DATA SCIENCE

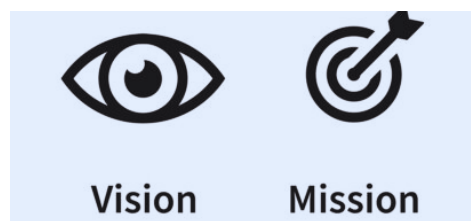


ADITYA ENGINEERING COLLEGE(A)

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,
Kakinada Dist.



About The Department:



Welcome to the first-ever newsletter edition of our department AIML at AEC! In just two short years, AIML 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 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 consistently outshines other departments in semester results, thanks to the exceptional talent of students and faculty.

Beyond academics, AIML excels in sports, with athletes demonstrating prowess and leading to inspiring victories. AIML 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



contents :

- *Introduction*
- *About ADYA*
- *Events in department*
- *Faculty publications and development programs*
- *Students Achievements*
- *Editorials*



A D Y A

ARTIFICIAL INTELLIGENCE DATA ANALYTICS YOUNG ASPIRANTS

ADYA, short for "Artificial Intelligence and Data Analytics Young Aspirants," is a vibrant club housed within the AIML department, thoughtfully founded by Dr. Ramasree, the Dean of Academics. It boasts a diverse range of activities, catering to the multifaceted interests and talents of AIML students.

This dynamic hub stimulates intellectual growth with activities such as Just-A-Minute (JAM) sessions and thought-provoking paper presentations, while also fostering competitiveness through coding tests and quizzes. ADYA believes in a holistic approach, venturing into fine arts and photography to nurture creativity and well-rounded learning.

Moreover, it serves as a platform for students to enhance their communication and critical thinking skills, fostering effective expression through spirited debates and group discussions. Beyond its activities, ADYA is an ecosystem that unites aspiring technocrats, providing networking opportunities and connections with premier disciplines in the ever-evolving fields of AI and Data Science.

In essence, ADYA is more than a club; it's a comprehensive educational experience, embracing various dimensions of AI and Data Science, while nurturing youthful enthusiasm and knowledge-seeking in these cutting-edge fields.



WEEK -1

Hosted by Sahithi and Sanjana, the event featured a Jam session, where students discussed topics like Online Shopping VS Offline Shopping and the Impact of Communication, enhancing their learning and communication skills. AIML seniors organized an online quiz focusing on C, Python, and Java programming to test students' applicational skills. Additionally, a Word Game led by Sarayu and her team challenged students' memory and technical vocabulary, fostering educational growth.

WEEK -2

Hosts Sravya & Durga, the event featured diverse segments: Technical News highlighted AI trends, with a special focus on ChatGPT. Sports News covered Indian sports, while Political News delved into Andhra Pradesh politics. The Technical Quiz, led by Ganga & Akhila, focused on Java programming. A fun Game session, hosted by Sailatha & Ramya, engaged students' skills and knowledge.



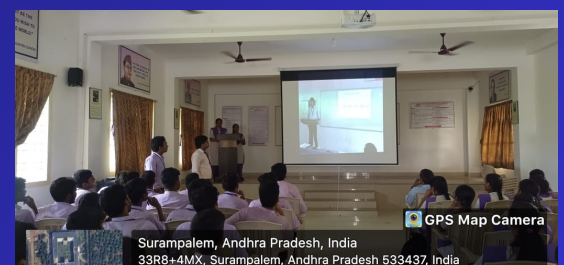
WEEK -3

Hosts Sravani & Kavya organized a dynamic event featuring diverse activities. Storytelling by Aishwarya shared the inspiring life of Arunima Sinha. Tricky Questions, led by Sowmya & Divya, challenged students' knowledge of C language. Fortune Box, hosted by Hari & Manasa, added a touch of luck. Tech Trivia, conducted by Priyanka & Lalitha, explored emerging tech trends, especially in Java programming. Project Showcase allowed students to present their HTML-based ideas, fostering creativity.



WEEK -4

Hosted by Priya & Leena, the event offered diverse activities. A Tech Quiz, led by Sagar & team, tested students' knowledge of C and Java programming. Presentations on AI and Robotics, with Karthik & Vardhan leading, enlightened students about the world of technology. Artistic Tales, hosted by Ramya and Mahesh, showcased students' fine arts skills. News Wave, conducted by Gautham & Varsha, informed students about recent events, including cyber security. Code Quest, led by Ganesh, Teja & Siva.



EVENTS IN DEPARTMENT

DR R SUNEETHA MAM PH.D FELICITATION :



Congratulations Dr. R. suneetha Mam 🎉🎉

Dr. R. Suneetha, a remarkable educator, has consistently guided and inspired numerous students during her academic journey. Her passion for teaching and learning is evident in her classroom, and her recent achievement of a Ph.D. is a testament to her dedication. Earning a Ph.D. is no small feat, requiring rigorous research, countless study hours, and a deep commitment to a specific field. Dr. R. Suneetha not only embraced this challenge but excelled in it, demonstrating her intellectual prowess and a thirst for discovery.

Teachers leave an indelible mark, and Dr. R. Suneetha is no exception. She has set a shining example of lifelong learning and the pursuit of excellence. As she embarks on a new chapter in her academic journey, we are confident her contributions to our institution will continue to grow and enrich our curriculum. Congratulations on this remarkable achievement, and we look forward to even greater accomplishments in the future.

ANTI-RAGGING AWARENESS PROGRAM FOR STUDENTS :



Speaker : Dr. G. Prem Kajal, Additional SP, District Enforcement Officer, Special Enforcement Bureau, Kakinada District.

Dr. R. Suneetha, serving as the convener of the Anti-Ragging Committee, orchestrated an event centered on student well-being and awareness, specifically addressing the issues of Anti-Ragging and Drug Abuse. The program provided insights into the perils of ragging and drug misuse. It covered diverse aspects, including drug types, local availability, real-life case studies, and legal ramifications. Students were enlightened about penalties related to drug manufacturing, transportation, consumption, and drug promotion. Additionally, they were made aware of the existence of a special wing dedicated to combating drug abuse within the institution. The event emphasized the importance of preserving a nurturing and safe educational environment, where the pursuit of knowledge can thrive unencumbered by such issues.

SEMINAR ON AIML AND NLP:



SEMINAR FOR VTH SEMESTER STUDENTS OF AIML AND IT ON AIML AND NLP

Over the three days, the seminar covered essential aspects of AIML. Day 1 highlighted AIML's foundations and their relevance in contemporary industries, substantiated by real-world case studies and the technology's evolution.

Day 2 delved into NLP, providing insights into its diverse applications and its role in reshaping human-computer interactions, including chatbots, language translation, and sentiment analysis.

The seminar culminated on Day 3 with a thought-provoking discussion led by T. R. Girija, emphasizing the significance of AI and its imminent impact on the IT job market. The session provided invaluable insights and strategies for students aiming to thrive in the IT industry, particularly within the realm of AI. This three-day event left students thoroughly informed and motivated.

During the three-day seminar, T R Girija covered essential topics.

Day 1 explored the foundations of AIML, underlining their significance in contemporary industries with real-world examples and technological evolution.

Day 2 was dedicated to NLP, where Girija demystified its applications, illustrating how it transforms human-computer interactions. Students gained insights into chatbots, language translation, sentiment analysis, and more.

The concluding day featured a discussion on the future of the industry. T. R. Girija highlighted the importance of learning AI and its potential to reshape the IT job landscape. This information was particularly valuable for students aspiring to enter the IT industry, with a focus on AI. The three-day seminar left the students energized and well-informed.

In conclusion, the three-day seminar conducted by T R Girija was an extraordinary event that expanded the horizons of AIML and NLP knowledge for our students. The dedication of our HOD, Dr. M Venkatesh, and the enthusiasm of the participating students resulted in making this seminar a resounding success. It underscored the commitment of ADITYA ENGINEERING COLLEGE to providing students with opportunities that transcend traditional learning, ensuring they are well-prepared to meet the challenges of the ever-evolving tech landscape.

FACULTY PUBLICATIONS AND DEVELOPMENT PROGRAMS

PUBLICATIONS :

[1.] Dr. Maganti Venkatesh HOD of AIML Dept published a paper on "Evaluation of SVM and NN Machine Learning Classifiers in Thyroid Tumor Detection system"., European Chemical Bulletin., Volume -12, Special Issue-1 (Part-A), 20



[2.]Dr R Suneetha (Assistant Professor)Hybrid Multi-Strategy Aquila Optimization with Deep Learning Driven Crop Type Classification on Hyperspectral Images. A hybrid approach, HMAODL-CTC, combines deep learning with hyperspectral imaging for crop type classification. It utilizes dilated CNN for feature extraction, fine-tuned using the HMAO algorithm, and an ELM model for classification.



CONFERENCES ATTENDED:



P.V.V.S.D. Nagendruru Assistant Professor ,attended the International Conference on Data Analytics and Management (ICDAM-2023) organized by London Metropolitan University, UK from June 23 to June 24, 2023. This participation underscores Mr. Nagendruru's dedication to staying current in the field of data analytics and management. Such international conferences facilitate global knowledge exchange, offering valuable networking opportunities. His experience at ICDAM-2023 likely enhanced his understanding and opened doors for potential research collaborations in this dynamic field.

RESOURCE PERSON :

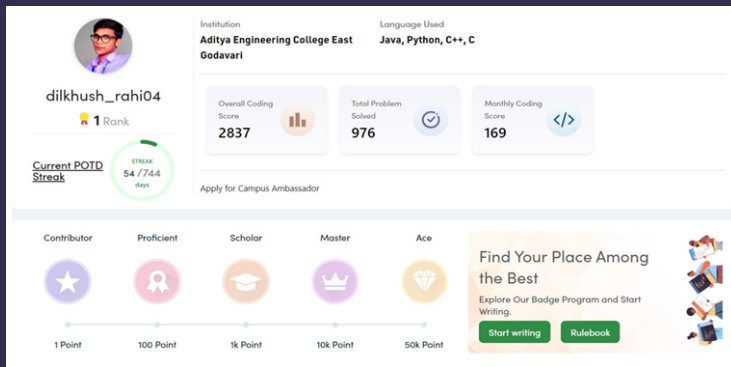
Vengalapudi Appalakonda served as a Resource Person in a professional development program focused on "MS Office & Photoshop," which was organized by TQAC. This program took place from July 10, 2023, to July 15, 2023. Mr. Appalakonda's role as a resource person highlights his expertise in these software tools, contributing to the skill development of participants. Such programs are essential for enhancing digital literacy and equipping professionals with practical knowledge in these widely used applications, which are invaluable in various fields. His involvement demonstrates his commitment to promoting IT skills and fostering continued learning among professionals.



WORKSHOPS :

Faculty members including Dr. Maganti Venkatesh, K. N. S. L. Kumar, V. Appalakonda, Dr. R Suneetha, G. SivaShankar, and P. V. V. S. D. Nagendruru, along with Assistant Professors K. Srinu, Y. SasiKala, K. Siva Pavani, and T. Udaya Lakshmi Aditya, recently participated in a workshop focused on secured coding techniques at AEC. This collaborative effort showcased their dedication to enhancing knowledge and skills in the field of artificial intelligence and machine learning. Their active involvement in such workshops reflects their commitment to staying at the forefront of technological advancements. The workshop at AEC was a valuable opportunity for professional growth and skill development in the fast-evolving world of AIML.

STUDENT ACHIEVEMENTS



A big congratulations to MD Dilkush for securing the 1st place on the GFG online coding platform by producing the highest number of codes from our AIML department. Your remarkable dedication and exceptional coding skills are truly commendable. Your logical prowess and coding finesse are an inspiration to us all. Keep up the outstanding work, Dilkush, and continue to set the bar high!

congratulations to MD Shakib for being selected for the SpaceApp Challenge and advancing to the second level! Your achievement reflects not only your talent but also the excellence of Aditya engineering college ,aiml dept. . Best of luck in the upcoming challenge, and may you continue to shine as a representative of your college in this exciting endeavor! .



Congratulations to Abhiram for securing the 1st position and Yaswitha for achieving the 3rd position in the Monthly Coding Contest 20 from the Vth Semester AIML class! Your exceptional coding skills and dedication have brought great pride to our department. Keep up the fantastic work, and may your passion for coding continue to shine brightly in your future endeavors. Well done!



Congratulations to our Vth semester AIML students for their outstanding achievement in completing MongoDB and HTML/CSS certificates from MongoDB and Infosys Springboard. With over 30 students accomplishing this milestone, your collective dedication is truly impressive and inspiring. These valuable skills will undoubtedly shape your future in the field of AI and ML. Keep up the great work, and we look forward to witnessing your continued success.





Heartfelt congratulations to K. Yaswanth Kumar for clinching the 1st place in the chess competition during the ESparx event at JNTUK, representing our AIML department. Your strategic prowess and dedication to the game are truly commendable. Keep up the fantastic work, and your victory is a testament to your excellence in both academics and chess. Well done!



We're delighted to announce that our membership in the Computer Society of India (CSI) has now exceeded 50+ people. CSI and IEEE memberships are of paramount importance as they provide numerous benefits, including access to the latest trends, networking opportunities, and professional development resources. These memberships empower our community to stay at the forefront of technology, foster collaboration, and contribute to the ever-evolving world of computer science and engineering. We encourage everyone to take full advantage of these memberships to enhance their knowledge and career prospects in these dynamic fields.

Spoken Tutorial Project
IIT BOMBAY



Congratulations to D Venkatesh for securing the 2nd prize in the open talk about AIML during the Leo Club's International Day celebrations! Your exceptional presentation and insights undoubtedly made a significant impact. Keep up the fantastic work, and your contributions to the AIML community are truly commendable. Well done!



Congratulations to the volleyball team from the Vth semester AIML department for their outstanding victory in the recent volleyball competition! Your dedication, teamwork, and exceptional performance have led you to the well-deserved first place. Your achievement not only brings pride to our department but also showcases your remarkable athletic talents. Keep up the fantastic work, and may your success on the volleyball court continue to shine bright!



Congratulations to all the students from the Vth semester who have successfully completed the Spoken Tutorial Java certification, with a remarkable 60+ participants! Your commitment to learn and master Java is truly commendable. This achievement not only adds valuable skills to your repertoire but also showcases your dedication to excellence in the field of programming. Keep up the great work, and may your newfound Java expertise open doors to exciting opportunities in the world of technology and software development!

EDITORIAL BOARD

EDITOR-IN-CHIEF

DR. M. SREENIVASA REDDY

PRINCIPAL

ASSOCIATE EDITORS

DR. MAGANTI VENKATESH

ASSOCIATE PROFESSOR & HOD

T .UDAYA LAKSHMI ADITYA

ASSISTANT PROFESSOR

ASSISTANT EDITORS

BHIMARAJU SRI PRACHYUTH

21A91A6140

SHAIK MUZNA JAWAHAR

21A91A6159

K.S.V.S.SAHITHI

22A91A6194

S.A.B.SANJANA

22A91A61B6

PAIDI YASWANTH CHAND

21A91A6123

D.GANESH BABU

22A91A6113