



DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE Jan-Jun 2023

Department of Artificial Intelligence and Data Science came into inception in the year 2021 with an approved intake of 60 students. The department spreads over basement, first, second, third & fourth floor of the college campus which accommodates 3 class rooms and an equipped laboratory. The entire laboratory area is modularized into 5 software laboratories consisting of 158 computers with Internet connectivity, two hardware laboratory and 10 printers. All the labs and faculty rooms are air-conditioned with the UPS back up.

The programme of Bachelor of Engineering in Artificial Intelligence and Data Science is being conducted in accordance to the course curriculum prescribed by University of Mumbai. We have an academically strong team of 5 faculty members and 1 non-teaching staff in tandem with an equally well-equipped library.

The college management has always encouraged the student fraternity by announcing scholarships and cash awards for meritorious students. They are also encouraged to join professional bodies for creating an awareness of the latest developments in their field of interest.

The department of Artificial Intelligence and Data Science has been in the fore front in organizing cultural and technical events both at intra and inters collegiate levels. Shaping industry compliant engineers has always been the primary objective of the department and hence Industrial visits and Seminars by industry eminent personalities is treated as a part of curriculum.

Vision and Mission of AI&DS Department

VISION

To provide quality Education in the field of Artificial Intelligence and Data Science to provide sustainable solution for the society

MISSION

- To impart quality Education to meet the challenges in the field of Artificial Intelligence and Data Science.
- To inculcate modern technology usage to fulfil the needs of the society.
- To nurture lifelong learning skills to develop professional growth and meet industry expectations

Program Educational Outcomes (PEOs):

- ✓ Apply Artificial Intelligence and Data Science skill to solve challenging and multi-disciplinary domain.
- ✓ Cultivate students for life long learning skill and research to adapt rapidly evolving skill in Artificial Intelligence and Data Science.
- ✓ Inculcate entrepreneurship and leadership skills for professional growth.

Department Activities

Student Development Programs:

- ✓ Expert talk on blockchain technology on February 2023 by Ms. Jignasha Dalal, in which students were made aware of blockchain applications in various domains.
- ✓ Expert talk on applications and importance of cyber security on 8th October 2022 by Vishal Bari, students gained insights on current trends in cyber security.
- ✓ Expert talk on Data Structures by Dhanashree Joshi, where students gained knowledge on current trends in Data Structures.

Initiatives:

Internship problem statements assigned from industry like to the students based on research area of the faculty members. 3 such internship projects are undergoing.

Academic/Technical Student Achievement:

Over all toppers of semester III:

Shivraj Murali Secured first place, Aditya Patil secured second place and Siddhesh More third position.

Sports:

Aniruddha Kerur won the best badminton player award in 2022-2023 at college level. He has also participated in intra college competitions.

Cultural:

Abinaya participated in group dance competition.

Technical:

- ✓ Kailash Sharma is in top 100 in the world organized by Google Development Student Cell at international level.
- ✓ Abinaya and Shreya participated in Anveshana it is Science and Engineering fair organized at zonal level.

Paper Presentation:

- ✓ Arsh pawar and group participated in ICREACT Paper presentation at international level.
- ✓ Shivraj and group participated in ICREACT Paper presentation at international level.

Program Specific Outcomes (PSOs):

- ✓ To analyze and apply logical and computational methodologies related to Artificial Intelligence and Data Science.
- ✓ Implement Artificial Intelligence and Data Science techniques such as data analysis, machine learning, data mining, neural networks and design efficient algorithms to solve real world problems.

Seminar and workshops Attended by faculty:

- ✓ IEEE Paper presentation on “Supervised Sattelite Image Retrieval Using Defined Patterned With ASMC” by Dr. Rizwana Shaikh and Mrs. Rohini Gaikwad on 24th to 26th Feb 2023.
- ✓ Workshop conducted on Blockchain Technology in A. C. Patil college of engineering by Dr. Rizwana Shaikh from 21st Feb 2023 and 23rd Feb 2023.
- ✓ Session conducted on Blockchain technology in A. C. Patil college of engineering by Dr. Rizwana Shaikh on 4th , 15th and 16th March 2023
- ✓ Project presentation on “Auto scaling of cloud services” by Dr. Rizwana Shaikh from August to November 2022.
- ✓ Dr. Rizwana Siddiqui participated in the Faculty Advisor Summit on Oct 6th 2022 under Google Developer Student Clubs program.
- ✓ Dr. Rizwana Siddiqui filed and published a patent “An Ameliorated Electronic Mail Management System and Method” on 10 Oct 2022.
- ✓ Dr. Rizwana Siddiqui conducted a Session on AWS Cloud Database Service during the SDP of Cloud Computing in December 2022.
- ✓ Dr. Rizwana Siddiqui will be conducting an orientation program on Honors course Blockchain Platforms in feb 2023.
- ✓ Dr. Rizwana Siddiqui guided on the Recommendation system for competitive coding under Codechef student Chapter.
- ✓ Dr. Rizwana Siddiqui organized and coordinated cognition 2022 project competition along with the technical team of faculty.
- ✓ Dr. Rizwana Siddiqui mentoring and working on two Industry projects on Blockchain and Cloud Computing along with the students.
- ✓ One week National Level Faculty Development programme on “Recent Trends in Deep Learning”, IEE, TCET attended by Prof. Pragati Akre from July 1 to July 7th, 2022

- ✓ Seminar on “Patent filling and Patent Hearing” participated by Prof Pragati Akre on 1 June 2022
- ✓ Dr. Rizwana Siddiqui conducted an orientation program on Blockchain on 12 July 2022.



