DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Annual Activity and Achievement Report (2023 - 2024)

Research Publications and Presentations

- **Mrs. Vaishali Kadwey**

  - Published a research paper titled *"Precision Agriculture using Machine Learning Techniques for Strengthening Industry"* in the *Scopus Journal European Chemical Bulletin*, July 2023.

  - Presented a paper on *"Machine Learning Tools for Big Data"* at the UGC Sponsored National Seminar, May 2024.

- **Mrs. Chhaya Makhijani**

  - Presented a paper titled *"Machine Learning Tools for Big Data"* at the UGC Sponsored Online National Seminar, May 2024.

  - Completed her **Ph.D. Course Work** in Computer Science with first division in January 2024.

Workshops, Seminars, and Group Activities

- **Lecture on Chandrayaan-3 Mission**

  - **Date**: 22nd August 2023

  - **Attendees**: Mrs. Vaishali Kadwey and Mrs. Chhaya Makhijani attended a lecture by Dr. Anil Bharadwaj, Director, National Physical Laboratory, Ahmedabad, at the Regional Science Centre.

- **Group Discussion on Python Data Structures**

  - **Date**: 3rd October 2023

  - Organized for B.Sc. III Year and B.C.A. III Year students.

- **Quiz Competition on "Computer Peripherals and Various Memories"**

  - **Date**: December 2023

  - Organized for UG II Year students.

- **E-Poster Designing Competition**

  - **Date**: 11th December 2023

  - Topic: *Digital Payment Modes*

  - Organized for all students of the department.

Student Activities and Presentations

- **Student Presentations**

  - **Topic**: "Cyber Security and Issues"

    - **Date**: 28th August 2023

    - Presented by B.C.A. III Year students.

  - **Topic**: "Memory Management Techniques"

    - **Dates**: 28th August 2023 (B.C.A. I Year) and 23rd September 2023 (B.C.A. III Year).

  - **Topic**: "Linear Data Structures and Their Types"

    - **Date**: 13th September 2023

    - Presented by B.C.A. I Year students.

  - **Topic**: "Computer Maintenance & Troubleshooting"

    - **Date**: October 2023

    - Presented by UG II Year students.

  - **Topic**: "Cyber Security Policies"

    - **Date**: 5th December 2023

    - Presented by B.C.A. III Year students.

  - **Topic**: "Utilities Tools of MS Office"

    - **Date**: 14th December 2023

    - Presented by UG I Year students.

- **Model MCQ Question Bank**

  - **Date**: 20th December 2023

  - Final year students (BA/BCA/BCom/BSc) prepared a question bank on *Digital Awareness – Cyber Security*.

Faculty Development and Training

- **Mrs. Chhaya Makhijani**

  - Attended the **FDP on "Outcome-Based Research for Quality Assurance"** at Career College, Bhopal, from 4th-8th December 2023.

Creative and Skill Development Activities

- **Digital Album, Mind Map, and Collage Making**

    - **Date**: February 2024

    - Organized for B.C.A., B.Sc., and B.Com. students.