



---

# DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

---

Annual Activity and Achievement Report (2022 - 2023)



## Publications and Research Presentations

- **Mrs. Vaishali Kadwey**

- Published a paper titled "*Generating a Classification and Prediction Model for Water Quality of River Narmada using Artificial Neural Network*" in *Scopus Neuro Quantology*, July 2022.
- Presented a paper on "*Precision Agriculture using Machine Learning Techniques for Strengthening Industry*" at the International Conference on *Strategies for Strengthening Industry – Academia Linkage*, August 2022.
- Published a paper on "*Analysis and Prediction of Crop Production using Machine Learning Techniques: A Review*" in *Samridhhi: A Journal of Physical Sciences Engineering and Technology*, October 2022.
- Presented a research paper on "*Impact of Machine Learning Techniques in Agricultural Data Analysis*" at the International Conference on Innovation in Multidiscipline Areas, January 2023.
- Presented a paper on "*Analysis and Prediction of Crop Production using Machine Learning Techniques: A Review*" at the International Conference on Multidisciplinary Research, February 2023.

- **Mrs. Chhaya Makhijani**

- Presented a paper on "*The Impact of Mobile Learning on Student Engagement and Performance*" at the NAAC Sponsored National Seminar, May 2023.
- Published a paper on "*Review on Security and Privacy of Cloud ERP System*" in *Neuroquantology*, November 2022.
- Presented a paper on "*Role and Impact of ICT in Improving Quality Education in HEI: A Review*" at the NAAC Sponsored National Seminar, September 2022.

- **Mrs. Ekta Sabbarwal**

- Published a paper on "*Review on Security and Privacy of Cloud ERP System*" in *Neuroquantology*, November 2022.

- **Ms. Kanchan Chaturvedi**

- Presented a paper on "*Bio Computing – Mechanism & Applications: A Review*" at the NAAC Sponsored National Seminar, September 2022.

---

## Workshops, Webinars, and Competitions

- **National Workshop on Innovations in Teaching and Learning**

- Organized by the Department on 17th September 2022.

- **Pamphlet Designing Competition on "Use of ICT in Education"**
    - Conducted on 27th August 2022.
  - **Quiz on "NEP 2020 and Innovation"**
    - Organized by the Department on 14th November 2022.
  - **Write-Up: Online Writing Competition on "Recent Trends in Information & Technology"**
    - Conducted on 28th November 2022.
  - **Poster Presentation on "Concepts of OOPs Java Programming"**
    - Organized on 16th December 2022 for B.Sc II Year Students.
  - **PowerPoint Presentation on "Web Publishing"**
    - Organized on 29th December 2022 for B.Com III Year Students.
  - **Chart Making and Presentation on "Various Tools of MS Office"**
    - Conducted on 24th January 2023 for B.Com I Year Students.
- 

## Faculty Development and Achievements

- **Mrs. Vaishali Kadwey**
  - Successfully completed the **PGDHE (Post Graduate Diploma in Higher Education)** from IGNOU on 12th July 2022.
  - Participated in the **Professional Development Programme** on "*Implementation of NEP-2020 for University and College Teachers*" in September 2022, earning an "A" grade.
  - Attended the **National Seminar on Synchronization of NAAC Criteria with NEP-2020** in May 2023.
  - Completed **Faculty Development Programme** on "*Recent Trends in Computer Science and Communication Technology*" in February 2023.
- **Mrs. Chhaya Makhijani**
  - Participated and completed the **Faculty Development Programme** on "*Recent Trends in Computer Science and Communication Technology*" in February 2023.
- **Ms. Girjesh Chouhan**
  - Delivered lectures on **Python** at NITTTR Bhopal, September 2022.
  - Qualified the **UGC NET** examination in November 2022.
  - Delivered an expert lecture on **Web Designing** at Govt. Babulal Gour College, Bhopal, in November 2022.