

# VIVEKANAND COLLEGE, KOLHAPUR

(EMPOWERED AUTONOMOUS)

Department of Computer Science

**Perspective Plan: Academic Year 2023-24 to 2027-28**

## Academic Indicators:

### 1. **Curriculum Enhancement:**

Continuously review and enhance the curriculum to align with the principles of the National Education Policy 2020 (NEP 2020).

Integrate interdisciplinary subjects and promote flexibility in course structures, enabling students to choose paths aligned with their interests.

### 2. **Quality Teaching:** Implement pedagogical practices based on Outcome-Based Education (OBE) principles, emphasizing the mastery of competencies and skills.

Foster a student-centric learning environment, utilizing technology for personalized high-quality digital learning experiences.

### 3. **Industry Collaboration:** Increase tie-ups with IT industries to ensure that the curriculum remains industry-relevant and incorporates practical insights.

## Research Indicators:

### 1. **Research Output:** Encourage faculty to engage in research that addresses real-world challenges in line with NEP 2020. Promote multidisciplinary research projects and international publications.

### 2. **Research Grants:** Establish a dedicated research Lab for Ph.D. Students and faculty in securing to apply for funding to various Government/Non-Government funding organizations.

Encourage collaborative research projects with industry partners and other academic institutions.

### 3. **Interdisciplinary Collaboration:** Promote interdisciplinary collaboration with the organizations within the universities in India and abroad.

Encourage joint research initiatives with research institutions across India.



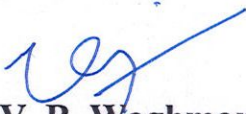


## Student-Centric Best Practices:

- 1. Holistic Student Development:** Integrate life skills, ethics and values into the curriculum to promote holistic growth.  
Implement a comprehensive mentoring system to guide students in their academic and personal development.
- 2. Skill Enhancement Programs:** Expand skill development programs to cover emerging technologies like Artificial Intelligence, Machine Learning, Data Science and Cyber Security.  
Introduce credit-based courses for students to pursue skill-based learning in addition to the core curriculum.
- 3. Placement Assistance:** Strengthen the placement cell to provide career counseling, soft skills training and industry-specific preparation.  
Establish connections with industries through alumni networks, industry events and networking opportunities.
- 4. Innovation Hub:** Expand the innovation hub to serve as a important point for collaborative interdisciplinary projects, hackathons and innovation challenges.  
Encourage participation in national and international innovation and entrepreneurship competitions.
- 5. Software Development Unit:** Enhance the software development unit to serve as a platform for students to work on industry-sponsored projects.  
Align software development projects with societal needs and emphasize solutions that contribute to community development.

Through the effective implementation of this perspective plan the Department of Computer Science, Vivekanand College aims to embrace the principles of NEP 2020, integrate Outcome-Based Education and contribute to the vision of becoming a university in future. This plan endeavors to produce graduates and post graduates who are not only academically proficient but also equipped with practical skills, research skills and a holistic understanding of societal needs.



  
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