**AI Implementation Plan for Chandigarh College of Engineering and Technology (Degree Wing), Sector 26, Chandigarh**

**1. Institutional Vision for AI** Chandigarh College of Engineering and Technology (CCET) is resolutely committed to advancing the Honourable Prime Minister’s vision of India as a Vishwa Guru in Artificial Intelligence (AI). By embedding AI into our academic, research, and administrative ecosystem, we aim to cultivate innovation, uphold ethical practices, and drive excellence in education for the benefit of society and the global AI landscape.

**2. AI Affirmation Pledge**

* **Formal Adoption Ceremony:**
  + The institution will hold a formal adoption ceremony in **January 2025**. This event will witness participation from the entire CCET community, including faculty, staff, and students.
  + The pledge will be prominently displayed across key campus locations, including the official CCET website, symbolizing our commitment to excellence in AI.
* **Pledge Statement:** "We pledge to position India as a Vishwa Guru in AI, leading innovation, ethics, and education, fulfilling our Prime Minister's vision."

**3. Comprehensive Campus-Wide Campaign: “AI for All: The Future Begins Here”**

* **AI Awareness Week:**
  + **Scheduled Date:** February 2025.
  + Activities: Workshops on AI fundamentals and ethics, guest lectures by industry luminaries, hands-on hackathons, and AI application showcases across diverse domains.
* **Establishment of AI Student Chapter:**
  + A dynamic, student-led organization will be operational by February 2025 to foster peer learning, spearhead research initiatives, and encourage innovation.
  + Regular monthly activities will include technical talks, competitions, and collaborative projects.
* **Creation of AI Labs:**
  + CCET already has a few GPU-based workstations in its AI lab and this lab will be augmented with advanced computational hardware and software as an ongoing process.
  + Partnerships with industry leaders will enhance the lab’s functionality and provide students with real-world problem-solving experiences.
* **AI Career Pathways:**
  + Career counseling sessions will focus on enabling students to pursue AI-driven professions, certifications, and emerging opportunities.

**4. AI-First Curriculum Development**

* **Integration of AI Courses:**
  + **Core Courses:** Machine Learning, Deep Learning, and Natural Language Processing already form part of the curriculum of the Computer Science and Engineering branch.
  + **Interdisciplinary course:** AI courses will be introduced to other traditional engineering branches like mechanical engineering
* **Project-Based Learning:**
  + Every course will integrate practical, project-oriented assignments.
  + Annual AI Capstone Projects will provide a platform for students to showcase innovative solutions.

**5. Faculty Development Programs**

* **AI Training for Educators:**
  + Workshops and FDPs on cutting-edge AI topics will be organized starting **March 2025**.
  + Use of platforms like Coursera, edX, and AICTE-approved FDPs will ensure continuous upskilling.

**6. Industry Collaboration Initiatives**

* **Strategic MoUs:**
  + Establish collaborations with leading AI companies, including tech giants and innovative startups, to facilitate internships, joint projects, and mentorship programs.
* **Real-World Engagement:**
  + Organize industrial visits and promote live project development with industry partners.
  + Invite professionals for guest lectures and mentorship opportunities.

**7. Detailed Timeline and Milestones**

The timeline below outlines the milestones for the implementation of this plan:

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Description** | **Timeline** |
| Submission of AI Implementation Plan | Submission to AICTE. | December 2024 |
| Formal Adoption of AI Pledge | Conduct the pledge adoption ceremony. | January 2025 |
| Launch of AI Awareness Week | Organize workshops, lectures, and hackathons. | February 2025 |
| Establishment of AI Student Chapter | Form a student-led organization for AI activities. | February 2025 |
| Faculty Development Workshop | Conduct AI-focused training for faculty. | March 2025 |
| Establishment of AI Lab | Equipping AI lab with advanced hardware. | Ongoing |
| Curriculum Update | Integrate interdisciplinary and elective AI courses. | Ongoing |
| Industry Collaboration Initiatives | Sign MoUs with organizations for internships and projects. | Ongoing |
| Annual AI Capstone Projects | Launch projects showcasing AI innovations. | Starting July 2025 |

**8. Monitoring and Evaluation**

* **Oversight Committee:**
  + An internal AI Implementation Committee will be established to monitor progress and ensure the timely completion of milestones.
* **Periodic Reviews:**
  + Quarterly reviews will be conducted to identify and resolve challenges, refine strategies, and report outcomes.
* **Feedback Mechanism:**
  + Stakeholder inputs from students, faculty, and industry partners will be regularly collected to guide continuous improvement.

**9. Recognition and Outreach**

* **AICTE Reporting:**
  + Regular updates on progress and impact will be shared with AICTE.
* **Showcasing Excellence:**
  + Achievements will be prominently highlighted through CCET’s official website, social media platforms, and newsletters.
* **Striving for Recognition:**
  + CCET aims to be recognized among AICTE’s top-performing institutions and serve as a model of excellence for AI integration.

**Conclusion** Chandigarh College of Engineering and Technology is committed to spearheading the integration of AI into education, innovation, and societal development. By executing this plan, CCET seeks to prepare a workforce adept at leveraging AI technologies and contributing to India’s emergence as a global leader in Artificial Intelligence.