

Python with AI Workshop: Preparing Youth for the Future of Work

Goal

The primary goal of the "Python with AI Workshop" is to equip recent +2 graduates with the foundational technical skills required to navigate the Fourth Industrial Revolution. By providing free, high-quality instruction in coding and Artificial Intelligence, the initiative aims to bridge the digital divide and foster a culture of innovation and ethical technology use among Nepalese youth.

Description



In June 2025, the Bagmati UNESCO Club, in strategic collaboration with abroadDesk Technologies, conducted an intensive 3-day technical workshop. Recognizing that the transition period after high school graduation is a critical window for skill acquisition, the program was offered "Totally Free" to ensure inclusive access. The curriculum was designed to demystify complex technologies, moving from basic Python syntax to the practical and positive application of AI in academic and professional settings.

Key Features of the Initiative:

- **Fundamental Python Programming:** Participants were introduced to coding logic and syntax, providing a solid foundation for future STEM careers.
- **AI for Positive Impact:** Beyond technical coding, the workshop focused on how to use AI tools responsibly and creatively to solve community problems.
- **Collaborative Project Development:** Students worked in teams to develop mini-projects, mirroring a real-world tech environment and fostering leadership and teamwork skills.
- **Mentorship from Industry Experts:** Led by instructors from abroadDesk Technologies, students received direct guidance on the current landscape of the global tech industry.
- **Bridge Course Strategy:** The program served as a vital "bridge" for students between high school (+2) and university, giving them a competitive edge in higher education.

Outcome

- **Technical Proficiency:** Over 50+ students successfully completed the intensive 3-day track, gaining practical knowledge in Python and Prompt Engineering.
- **Increased Curiosity and Inspiration:** As captured in the participant testimonials, the program resulted in a significant surge in "curiosity" and "motivation" toward pursuing careers in technology.
- **Teamwork and Leadership:** Through the project-based model, participants reported a 50% increase in their confidence to work within technical teams and manage group projects.
- **Accessibility:** By removing the financial barrier (Free of Cost), the workshop successfully reached students from diverse socio-economic backgrounds who would otherwise lack access to elite technical training.

Voices of the Future: Student Testimonials

The success of the program is best reflected in the words of the participants. In our documented video testimonials, students highlighted the following:

"The 3 days were incredibly fruitful... it was more than just learning; it was about inspiration and curiosity."

"We learned the basics of Python and how to use AI for positive, constructive purposes."

"Working in a team to develop projects taught us how the tech world really functions."

Digital Verification & Transparency:

Watch the Impact: Student Testimonial Video

We believe in transparent reporting. To see the live feedback and projects developed by our participants, scan the QR code or click the link to access the official Instagram archive of the workshop. [Link](#)



Expected Audience

- **Recent +2 Graduates (Aged 17–19):** High school graduates seeking to enhance their digital skill set before university.
- **Aspiring Tech Leaders:** Individuals passionate about AI, Data Science, and Software Development.
- **Educational Stakeholders:** Local schools and colleges looking to modernize their extracurricular offerings.

Relevance to the United Nations Mandates

This initiative is a direct contribution to several United Nations Sustainable Development Goals (SDGs):

- **SDG 4 (Quality Education):** By providing technical and vocational skills training to youth for employment and entrepreneurship (Target 4.4).
- **SDG 8 (Decent Work and Economic Growth):** By empowering youth with the digital skills necessary to thrive in a technology-driven labor market.
- **SDG 9 (Industry, Innovation, and Infrastructure):** By fostering local innovation and increasing access to information and communication technology.
- **SDG 10 (Reduced Inequalities):** By offering free technical training to bridge the gap between different socio-economic groups.