

OFFICIAL PROPOSAL

Tech & AI Innovation Club

Fostering Academic Excellence, Practical Skills, and Collaborative Innovation



Tech AI College of Management & Law
New Baneshwor, Kathmandu, Nepal

Prepared by: Bikash Kadayat
Second Semester, BSc CSIT (Data Vision)

Date: 13 September 2026

DOCUMENT 2 — DETAILED CLUB ESTABLISHMENT PROPOSAL

1. Club Information

Club Name: Tech & AI Innovation Club

Institution: Tech AI College of Management & Law, New Baneshwor, Kathmandu, Nepal

Nature: Student-led, non-profit academic and technical club

Tagline: “Building a Culture of Innovation, Engineering Excellence, and Leadership.”

Prepared by: Bikash Kadayat, Second Semester, BSc CSIT (Data Vision)

Faculty Advisor / Mentor: Suman Karki

Date of Proposal: 13th Sep 2026

2. Background / Introduction

In today’s rapidly evolving digital landscape, technology has moved from being an isolated field of academic study into a foundational, required skill across corporate and legal industries. While conventional academic curricula offer rich theoretical frameworks, a systemic gap frequently persists regarding hands-on industry simulation, real-world application, and structured cross-disciplinary innovation.

To bridge this gap effectively, the Tech & AI Innovation Club is proposed at Tech AI College of Management & Law as a professional, student-led institutional framework. The core mandate of this initiative is to cultivate an experiential learning climate where students move beyond textbook instruction through project lifecycles, rigorous technical testing, structured research, and peer-to-peer technical integration.

The club acts as a specialised platform where students collaborate across key emerging technological ecosystems — including Artificial Intelligence, Software Engineering, Information Security, Algorithmic Analysis, and Creative Digital Media. By synthesising multi-disciplinary talents, the club prepares its members to navigate corporate environments, build viable product portfolios, and systematically build personal career confidence.

3. Rationale / Need

The need for the Tech & AI Innovation Club arises from the following observations:

- Academic learning is strong in theory but limited in structured, hands-on industry applications.
- Students lack a consistent platform for real-world project simulation and cross-disciplinary collaboration.
- There is a growing demand for practical competency in AI, software engineering, cyber security, and problem-solving among employers and internship providers.
- A unified club can connect management, law, and computer science students around collaborative technical projects, strengthening the college’s overall innovation culture.

4. Vision

To architect a resilient, industry-aligned ecosystem of technical excellence, continuous innovation, and strategic leadership within Tech AI College of Management & Law, empowering students to build high-impact technological solutions for real-world complexities.

5. Mission

- To equip students with functional, hands-on competency in state-of-the-art software systems and artificial intelligence frameworks.
- To nurture institutional research capacities and promote end-to-end, agile, project-based development workflows.
- To harden technical problem-solving capabilities, computational thinking, and advanced structural reasoning.
- To proactively clear pathways for high-tier corporate internships, technology employment, and entrepreneurial ventures.
- To unify management, law, and computer-science faculties through collaborative technical project execution.

6. Objectives

1. Build students' practical competency in modern software systems and AI frameworks.
2. Promote research capacity and agile, end-to-end, project-based development workflows.
3. Strengthen technical problem-solving, computational thinking, and structural reasoning.
4. Open pathways to internships, technology employment, and entrepreneurial ventures.
5. Unify management, law, and computer-science students through collaborative technical projects.
6. Help students produce production-grade codebases and public developer portfolios (GitHub, Kaggle, Behance).

7. Target Members / Beneficiaries

The club is open to any student enrolled in good standing at Tech AI College of Management & Law. Primary beneficiaries include:

- Students of computer science, management, and law faculties interested in technology and innovation.
- Students seeking hands-on experience in AI, software development, cyber security, problem-solving, and digital media.
- Students preparing for internships, placements, hackathons, and entrepreneurial ventures.
- The wider college community, which benefits from events, exhibitions, and an elevated culture of innovation.

8. Proposed Activities

Activities are organised through six functional departments. Core work areas and planned activities are drawn directly from the club concept:

Department	Core Work Areas	Planned Activities
AI & Data Science	• Machine Learning Models & Deep Nets • Statistical Data Visualizations	• Neural Network Bootcamps • Chatbot & NLP Engagements • Kaggle Competitive Hackathons

Department	Core Work Areas	Planned Activities
	Experimental Research Methodologies	
Software Development	- Full-Stack Web Architectures - Mobile Application Infrastructures - UI/UX Design Frameworks	- Open-Source Contribution Weeks - College Utilities Engineering - GitHub Agile Team Sprints
Cyber Security	- Penetration Analysis & Ethical Auditing - Network & Perimeter Defenses - Data Privacy Compliance Regulations	- Institutional Capture The Flag (CTF) - Live Exploit & Defense Simulations - College Digital Threat Briefings
Programming & Problem Solving	- Asymptotic Analysis & Optimizations - Advanced Data Structure Modeling - Technical Interview Logic Mastery	- Weekly Online Coding Challenges - LeetCode Sprint Marathons - Internal Mock Technical Screenings
Media & Outreach	- Social Channel & Growth Metrics - Brand Standard Content Architecture - Production Multimedia Engineering	- Interactive Tech News Highlights - Project Launch Media Campaigns - Audio/Visual Event Documentations
Events & Partnership	- Corporate Liaison & Sponsorships - End-to-End Event Coordination - Tech Industry Relationship Portfolios	- Annual Regional Hackathon Summits - Corporate Expert Panel Seminars - Tech Sector Site Explorations

Operational Cadence

- **Weekly (Departmental Focus):** mandatory sub-group meetings, localised technical workshops, algorithmic sandboxes, and foundational collaborative product builds.
- **Monthly (Cross-Pollination):** general assembly meetings, professional masterclasses with external guests, and comprehensive mid-tier technical project reviews.
- **Semester (High-Impact Showcases):** large-scale inter-collegiate hackathons, public technology exhibitions, peer-reviewed project publications, and formalised technical team performance awards.

9. Organizational Structure

The club is governed by an Executive Committee and delivers its work through six functional departments. Each department functions under an appointed Department Lead, an Assistant Lead, and a pool of selected Technical Associates / Members. The Executive Committee provides governance and coordination; the IT/Technical Coordinator provides technical oversight and standards across all departments.

Oversight: Faculty Advisor / Mentor (strategic and administrative clearance).

Executive Council: President, Vice President, Secretary, IT/Technical Coordinator, Event/Program Coordinator, and Public Relations/Communication Officer.

Functional Departments: AI & Data Science; Software Development; Cyber Security; Programming & Problem Solving; Media & Outreach; Events & Partnership.

10. Executive Committee

The Executive Committee consists of the following positions:

1. President
2. Vice President
3. Secretary
4. IT / Technical Coordinator
5. Event / Program Coordinator
6. Public Relations / Communication Officer
7. Faculty Advisor / Mentor

11. Roles and Responsibilities

President

Holds overall executive accountability for the club's performance. Sets the club's direction, chairs general assemblies, approves major inter-departmental initiatives, represents the club to external bodies and the college administration, and oversees the overall health of the executive team.

Vice President

Manages internal operations and coordinates between technical branches. Drives strategic execution planning, acts for the President during their absence, removes operational blockers, and tracks departmental milestones.

Secretary

Maintains the club's official records and documentation. Keeps accurate meeting minutes, publishes schedules, processes member status reports, operates internal communication channels, and maintains the club's financial records and expense ledger under the President's authorization and the Faculty Advisor's oversight.

IT / Technical Coordinator

Oversees technical standards, technology stacks, and quality controls across the engineering departments. Approves codebase patterns and conventions, coordinates training curricula across departments, ensures industry alignment, and manages deployment of lifecycles for the club's internal software assets.

Event / Program Coordinator

Plans and coordinates the club's events end-to-end workshops, bootcamps, hackathons, seminars, exhibitions, and site visits. Manages venue scheduling, event logistics, and coordination with the Events & Partnership department and external partners.

Public Relations / Communication Officer

Manages the club's public image and communication. Oversees social channels and growth, maintains brand-standard content, produces multimedia coverage of events, and runs project-launch media campaigns and outreach.

Faculty Advisor / Mentor

Serves as the primary link between the student body and college administration. Provides strategic guidance, ensures all initiatives comply with institutional policies, reviews of compliance, and leverages professional networks to open institutional and corporate channels.

12. Faculty Advisor / Mentor

The club will operate under the guidance of a Faculty Advisor / Mentor appointed by / with the approval of the college administration. The Faculty Advisor provides strategic and administrative clearance,

ensures all initiatives comply with institutional policies, and connects the club with institutional and corporate channels. The signed consent of the Faculty Advisor is enclosed as Document 6.

13. Membership

- **Open Registration:** any student enrolled in good standing at the college may submit an intake / membership form.
- **Departmental Specialization:** members select up to two primary departments aligned with their learning tracks or engineering interests.
- **Engagement Compliance:** active status requires attendance at mandatory bi-weekly assemblies and contribution to at least one departmental project delivery cycle per semester.

14. Annual Action Plan

A realistic one-year action plan, mapping the proposed activities across the academic year, is provided as Document 8 of this file.

15. Financial / Budget Plan

The club begins with a lean, efficient configuration, relying heavily on open-source toolsets and existing college infrastructure (computer laboratories, auditoriums, and connectivity). Long-term operational independence is sustained through a three-tiered funding matrix:

- **Institutional Support:** fixed baseline funding allocations from college administrative event budgets for major representations.
- **Corporate Underwriting:** technical corporate partnerships and event sponsorships from regional internet service providers, tech firms, and software companies.
- **Event Registrations:** nominal external registration entries generated during open public hackathons or masterclass series.

A detailed budget template is provided as Document 9.

16. Expected Outcomes

For the Student Body

- Development of production-grade codebases and public developer portfolios (GitHub, Kaggle, Behance).
- Substantial increase in placement readiness for national tech internships and technical leadership appointments.
- Development of communication skills, professional project-management experience, and clear presentation capabilities.

For the College

- Elevated institutional standing as a hub for real-world technical competency and innovative student initiatives.
- Strengthened pipelines and relationships with regional corporate entities, tech founders, and software engineering firms.
- Strong representation at national hackathons, open innovation competitions, and collegiate computer-science symposiums.

17. Monitoring and Evaluation

Progress will be tracked through the club's existing operational cadence and reporting lines:

- Weekly departmental reviews and monthly mid-tier project reviews assess ongoing work.
- The Secretary maintains minutes, member status reports, and activity records for each cycle.
- Semester showcases and peer-reviewed project publications serve as milestone checkpoints, with formalized technical team performance awards.
- The Faculty Advisor reviews compliance and reports outcomes to the college administration.

18. Sustainability

Sustainability is built on a lean operating model, reliance on open-source tools and existing college infrastructure, and the three-tiered funding matrix described in Section 15. Continuity across academic years is maintained through structured handover of records, accounts, and pending projects (Document 13).

19. Code of Conduct

All members and office-bearers are bound by the club's Code of Conduct (Document 11), which requires respectful, non-discriminatory, professional behavior; responsible use of technology and social media; protection of college and club property; and full compliance with college policies.

20. Request for Approval

On the basis of this proposal and the enclosed documents, we respectfully request the college administration to approve the official establishment and recognition of the Tech & AI Innovation Club as a student club of Tech AI College of Management & Law, subject to the rules and policies of the college.