

Campus Co-Publishing Model (CCPM): Strategic Operational Framework for University Clubs, Societies, and Departments

Strategic Proposal & Operational Framework

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REPOSITORY ARCHITECTURE

Public Portal: <https://campus.cfsbr.com> | **Core Archive:** <https://cfsbr.pubpub.org>

Abstract

The **Campus Co-Publishing Model (CCPM)** is an innovative model of scholarly publishing introduced in this strategic framework by the **Centre for Fintech and Strategic Business Research (CFSBR)**. The model is designed to link university Student Clubs, independent student groups, academic societies, and university departments into a common global digital indexing system. The essence of its innovation is to dissociate the public-facing publishing platform from the back-end metadata management system. This architecture enables partner clubs and departments to publish brief research papers, case studies, and market analyses (usually 2–5 pages) with their own identity, branding, and website. Behind the scenes, CFSBR serves as a technical infrastructure that centralizes metadata registration and assigns permanent Digital Object Identifiers (DOIs) automatically with a unique Crossref prefix (10.67226). The automated publishing process of the CCPM helps undergraduate and master's-level research become globally discoverable without administrative hurdles or foreign currency payments

Keywords: Academic Publishing Strategy, Undergraduate Research, Digital Object Identifier (DOI), Institutional Repository, Open Access, Metadata Harvesting, Institutional Repository.

1. Executive Summary

Academic writing, including coursework, lab reports, case studies, and projects, is a common output of universities, and a significant portion is produced to a high standard, particularly in academic areas such as Business, Computer Science, Engineering (CSE), Economics, Social Sciences, Law, and Environmental Studies. These products are highly valuable to the learning process, but they are **rarely shared outside the classroom**; they are typically confined to local archives or discarded following evaluation. The **three most significant obstacles** preventing their transition into permanent scholarly resources are institutional administrative barriers, a lack of technical knowledge regarding scholarly metadata management, and the financial complexity of maintaining independent Crossref membership and Digital Object Identifiers (DOIs).

To tackle these challenges, the **Centre for Fintech and Strategic Business Research (CFSBR)** has developed the **Campus Co-Publishing Model (CCPM)**, a decentralized and interoperable publishing network. The model operates on the principle of "**Frontend Autonomy, Centralized Metadata Ingestion**". Partner institutions retain **absolute autonomy** over the management of their websites, editorial review processes, branding, intellectual property, and published content. Concurrently, CFSBR provides the underlying technical infrastructure for metadata validation, DOI registration, and international indexing.

Under this mechanism, scholarly content is **immediately deployed** on the digital platforms of partner departments, academic societies, student clubs, and student groups. Standardized metadata are then securely transmitted to CFSBR, which validates the datasets, translates them into internationally compliant schemas, and deposits them under the institutional DOI prefix **10.67226** through CFSBR's Crossref infrastructure. By **decoupling local institutional publishing from centralized metadata management**, partner institutions achieve global discoverability without sacrificing editorial independence or bearing infrastructure overheads. The framework systematically overcomes technical, administrative, and financial barriers, cultivating an **inclusive, sustainable, and permanent open-access ecosystem** for early-career undergraduate and master's-level research assets.

2. Project Identity, Branding & Philosophy

- **Official Title:** Campus Co-publishing Model (CCPM)
- **Core Philosophy:** The framework operates on the paradigm of **distributed research democratization**. Rather than funneling student work into a single monolithic archive, the **Campus Co-publishing Model (CCPM)** introduces an architecture that balances local editorial ownership with global metadata integration. It is designed to ensure that the intellectual output of undergraduate and master's-level students across diverse fields, including Business, Computer Science, Engineering (CSE), Economics, Social Sciences,

Law, and Environmental Studies, is not lost post-evaluation, but is instead transformed into permanently discoverable, citable assets hosted directly at the institutional source.

- **Strategic Branding:** The identity of the **Campus Co-publishing Model (CCPM)** is built around the concept of **shared structural infrastructure with localized authority**. The branding positions this framework not as an independent publishing house, but as an institutional engine, or an "academic rail," that powers various campus mastheads. By framing published materials as localized **"Working Paper Series"** or **"Technical Reports"** under separate student club and department identities, the model elevates the professional profile of participating student organizations, student clubs, and groups, making their output highly attractive to external corporate recruiters and global admissions boards.

3. Role & Responsibility Distribution (Structural Split)

The allocation of operational, legal, and technical responsibilities between both parties is clearly outlined in the matrix below:

Operational Factor	Partner Club / Society / Department	CFSBR Central Registry (CFSBR)
Portal & Domain	Retains full control over domain (e.g., review.aibaitclub.org), hosting, and visual architecture, with the option to utilize hosting infrastructure provided by CFSBR.	Zero unauthorized access to or interference with local setups, with the capability to provide the underlying hosting infrastructure upon request.
Content Sourcing & Review	Managing internal calls for papers, executing initial plagiarism checks, and securing faculty supervisor approvals for undergraduate and master's submissions.	Auditing metadata schema compliance and final structural integrity without interfering with internal topics or writing styles.
Metadata Handover	Compiling live target paths, author names, abstracts, and verified ORCID iDs into structured Excel sheets.	Converting received Excel datasets into XML/JSON pipelines , pushing them to Crossref servers, and activating live DOIs.

Branding & Credit	Achieving standalone visibility and brand value as the primary publisher on PDF covers and web interfaces.	Functioning exclusively as the official technical indexing partner within the global citation network.
Financial Cost	Utilizing the complete infrastructure entirely free of charge with no hidden fees or costs for student clubs and groups.	Solely absorbing Crossref membership fees , database maintenance, and annual institutional overheads.

3.1 Editorial Board and Governance Structure

All published materials as part of the Campus Co-Publishing Model (CCPM) are under the control of a Joint Decentralized Editorial Board to assure academic integrity, editorial quality and technical compliance. This governance establishes a clear separation between academic control and technical publishing and facilitates transparency in the publishing process and adherence to norms and standards recognized globally for scholarly publishing. The Editorial Board is supported by two complementary editorial panels which carry out two different stages of the publishing process.

A. Partner Academic Panel (Partner University / Club Side)

The Partner Academic Panel acts at the institutional level; it has full responsibility for assessing the scholarly quality of manuscripts submitted for publication.

- **Faculty Editor:** The Faculty Editor is a faculty member or official academic advisor nominated by the participating department or student group. This person is the primary academic advisor and will ensure the theoretical, methodological and general scholarly rigor of each submission. A manuscript cannot be published or be added to the metadata without having first been formally accepted by the Faculty Editor.
- **Student Editor-in-Chief:** The Student Editor-in-Chief shall be in charge of the editorial process at the partner institution. They are typically responsible for organizing manuscript submissions, answering phone calls and receiving papers, with a preliminary formatting review, plagiarism checks, and communication between author and faculty reviewers. This job will be responsible for submission of material to satisfy institutional requirements before it goes up for faculty evaluation.

B. Central Publishing and Indexing Panel (CFSBR Side)

The Central Publishing and Indexing Panel under the aegis of Centre for Fintech and Strategic Business Research (CFSBR) is solely responsible for technical publishing operations. The panel is not involved in academic peer reviewing or editorial decisions.

- **Technical Publishing Auditor:** The Technical Publishing Auditor is the official representative of the CFSBR that certifies the partner institutions' metadata submissions. Responsibilities include auditing of metadata to ensure completeness, compliance to Crossref metadata standards, and converting to standardised XML or JSON format and managing the Crossref institutional publishing infrastructure (CFSBR) for registration of DOI. The Auditor is also responsible for the integrity and interoperability of the metadata of long-term and international scholarly indexing systems.

Governance & Sign-off Loop

Before any paper goes live, mutual digital approval or a "Sign-off" is mandatory from both the on-campus Faculty Editor and the CFSBR Technical Auditor. This dual-layer filter prevents inaccurate or substandard content from entering global databases, thereby protecting the institutional reputations of both organizations.

4. Five-Step Technical Pipeline (The Technical Workflow)

Once an academic entity is onboarded, the production pipeline operates across **five structured operational phases**:

- **Step 1: Internal Screening:** Partner entities collect **2-to-5-page manuscripts** or case assessments from undergraduate or master's students under internal faculty guidance. Editorial screening mandates severe plagiarism checking and structured verification. Formal sign-off from the course supervisor is required.
- **Step 2: Frontend Deployment:** CFSBR delivers a pre-coded, standardized, and SEO-optimized **HTML/CSS Boilerplate Template**. The local web unit populates the template with text assets to launch the document live on their sub-platform. Header modules are pre-packaged with **Dublin Core and HighWire tags** for seamless semantic harvesting by Google Scholar.
- **Step 3: Metadata Harvesting:** Post-deployment, the partner editorial desk logs critical target records into a structured spreadsheet. Registration requires **four distinct parameters**: Target Link URL, Author Meta (legal name and verified ORCID iD), Abstract (maximum 150 words), and Context Tags (institution name, course code, and year).
- **Step 4: Central Data Processing (Central Ingestion):** The completed database spreadsheet is transmitted to the **CFSBR Central Registry**. Technical processing units map the data fields into a verified **Crossref XML/JSON schema configuration** and deposit the packet directly via CFSBR's enterprise infrastructure account.
- **Step 5: Live DOI Link (Persistent Resolution Loop):** The global DOI activates **within 24 hours** of successful deposit. When web traffic, external citations, or recruiters reference that active DOI link, global index servers query CFSBR's master backend file

and **automatically redirect users** to the partner entity's portal, accumulating all domain equity at the source.

4.1 Publication Flow & Operational Steps

The progression of a document from its initial submission to its global indexing status is systematically executed across these instructions:

[Student Submission] → [Club Editor (Plagiarism Check)] → [Faculty Editor (Academic Sign-off)] → [Partner Web Team (Live URL)] → [CFSBR Auditor (XML Processing)] → [Crossref (DOI Live)]

- **Step 1: Submission & Initial Review**
 - *Student's Role:* The undergraduate or master's student transfers their short-form asset to the portal workspace.
 - *Student Editor's Role:* The local Student Editor reviews formatting, runs strict plagiarism screening, and executes the **"No-ID" privacy block**.
- **Step 2: Faculty Approval & Sign-off**
 - *Faculty Editor's Role:* Clean files are sent to the institutional **Faculty Editor** to certify logical consistency and academic merit before final sign-off. No paper can be published without formal faculty clearance.
- **Step 3: Front-End Upload & Metadata Export**
 - *Partner Web Team's Role:* The approved text assets are loaded into the HTML template to establish a public live link path.
 - *Editorial Team's Role:* The metadata parameters are aggregated into the harvesting sheet.
- **Step 4: Central Technical Audit**
 - *CFSBR Representative's Role:* Metadata sheets are transferred to the Central Registry for schema parsing, error logging, and XML compilation.
- **Step 5: Global Indexing & DOI Activation**
 - *Final Execution:* CFSBR transmits data files to Crossref, activating the **persistent DOI network node** within 24 hours.

5. Metadata Suffix Syntax (Nomenclature)

To preserve a transparent, long-term audit trail and separate localized university footprints, the metadata database follows a **rigid functional nomenclature formula**:

Syntax: 10.67226/[club_identifier].[series_type].[year].[issue_no].[serial_no]

- **Example 1 (BRAC University Computer Club: Innovation Brief):** [10.67226/bracu.bucc.ib.2026.02.012](https://doi.org/10.67226/bracu.bucc.ib.2026.02.012)
- **Example 2 (Army IBA Sylhet IT Club: Tech Review):** [10.67226/aibas.itc.tbr.2026.01.005](https://doi.org/10.67226/aibas.itc.tbr.2026.01.005)
- **Example 3 (BUP IT Club: Tech Review):** [10.67226/bup.itc.tbr.2026.01.005](https://doi.org/10.67226/bup.itc.tbr.2026.01.005)

6. Compliance, Privacy, and Intellectual Property Rights (Compliance & Ethics)

6.1 The "No-ID" Privacy Rule

To maintain strict compliance with global data privacy regulations, such as GDPR, and preserve professional publishing integrity, the framework enforces an unalterable condition:

- **Prohibited Data:** Under no circumstances should a student's institutional identification number (Student ID), class roll number, registration details, or personal mobile number be displayed within the body of the published paper or the public metadata fields.
- **Permitted Data:** The permanent global record will archive exclusively the author's full legal name, institutional identity (University Affiliation), and verified ORCID iD. This completely shields students from personal data vulnerabilities.

6.2 Intellectual Property & Open Access Rights (Author Empowerment)

- **100% Copyright Retention:** The undergraduate author retains absolute copyright ownership over their core ideas, logical frameworks, and baseline research findings.
- **Non-Exclusive License:** Authors grant CFSBR and the partner club a non-exclusive license solely to permanently display the work in the digital archive and map its global metadata. Authors face no restrictions from CFSBR or partner clubs if they wish to expand this 2-to-5-page work into a comprehensive paper for publication in international Scopus-indexed journals in the future.
- **Open Access Mandate:** Every piece of content published under this model will be licensed under a **Creative Commons Attribution-NonCommercial 4.0 International License (CC BY-NC 4.0)**. This mandates that any individual can read and cite the work free of charge, but no one may use it for commercial or business-related purposes without explicit permission from the author.

7. Digital Web Architecture and Multi-Tenant Prototype Deployment

To validate the practical feasibility and decentralized routing of the **Campus Co-publishing Model (CCPM)**, a live operational prototype has been engineered and deployed at <https://campus.cfsbr.com/>. This architecture demonstrates the seamless decoupling of a shared backend metadata registry from autonomous, club-branded frontends.

7.1 Central Aggregation Hub (The Gateway)

- **Multi-Tenant Routing:** The root gateway at campus.cfsbr.com serves as a centralized, secure directory housing distinct campus chapters across Bangladesh, such as the AIBA IT Club, BRACU Computer Club, and BUP Career Club.
- **Shared Rails, Local Voice:** The hub operates as a single publishing standard delivering shared validation infrastructure, peer-review tracking, and global indexing while ensuring **zero interference** with local servers or individual university domain setups.

7.2 Autonomous Chapter Portals (The Front Door)

- **Frontend Autonomy:** Each academic society maintains its unique visual masthead, localized editorial narrative, and specific International Standard Serial Number (ISSN) directly on its custom track.
- **Dynamic Metric Ingestion:** Individual portals feature real-time statistical tracking modules displaying cumulative metrics: *Total Working Papers*, *Active Faculty Editors*, and *Activated Crossref DOIs*.
- **Granular Artifact Layout:** Within the chapter issues, every short-form paper layout for undergraduate and master's students is bound to a **rigid metadata card** containing the author's verified ORCID iD, a standalone abstract, structural classification tags, automated citation export engines (BibTeX, APA, MLA), and direct resolution links routing through the persistent DOI network directory.

8. Strategic Value Propositions

A. For Partner Universities, Student Clubs, and Departments

- **Zero-Cost Publishing Platform:** Academic chapters, student clubs, and groups receive an enterprise-grade ecosystem without software development overhead, local server capital costs, or multi-thousand dollar annual subscription fees.

- **Audit and Compliance Optimization:** Active digital indices serve as verified documentation of external institutional research collaboration during formal regulatory reviews and international university ranking audits.

B. For Undergraduate and Master's Students

- **Early Portfolio Optimization:** Early-stage scholars build a concrete, globally citable index record under permanent DOIs early in their university lifecycle.
- **Employment and Graduate Admissions Advantage:** Academic artifacts resolve instantly via persistent repositories, allowing selection boards or recruiters to authenticate analytical aptitude, creating a distinct competitive edge over typical university graduates.

C. For Publishing House (CFSBR)

- **Metadata Volume and Domain Authority:** Centralizing diverse short-form datasets under the unified **10.67226** prefix expands the search engine visibility, index magnitude, and publisher network authority of CFSBR.
- **Organic Inbound Traffic Generation:** Distributed networking of active DOI links across professional spaces like LinkedIn drives substantial, high-retention inbound traffic directly back to core CFSBR intelligence applications.

9. Intellectual Property, Proprietary Rights & Disclaimers

- **Conceptual Framework Ownership:** All rights reserved. The **Campus Co-publishing Model (CCPM)** operational model, its decentralized publishing architecture, metadata suffix nomenclature, and organizational blueprints represent the exclusive intellectual property of the authors and the parent think-tank. Unauthorized commercial replication, systematic restructuring, or uncredited institutional implementation of this framework is strictly prohibited.
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