

Format for Undergraduate Integrated Design Project Proposal

**Department of Civil Engineering, Faculty of Civil and Environmental Engineering,
Bangladesh Army University of Engineering & Technology.**

**Cover Sheet
[Limit to 1 page]**

CE 3000 (Integrated Design Project) [12 point font]

Undergraduate Integrated Design Project Proposal on [12 point font Bold]

Proposed Project Title [16 point font Bold]



Name of the Student

Department of Civil Engineering,
Bangladesh Army University of Engineering and Technology (BAUET),
Qadirabad, Natore-6431, Bangladesh

Month, Year

**Table of Contents
[Limit to 1 page]**

Table of Contents to be **automatically** created using the relevant commands in **MS Word** is suggested.

1. Details of the Undergraduate Integrated Design Project Project

Proposed Study Title (no more than a maximum of 16 **words**, preferably shorter but sufficiently informative)

Name of the Student

- Institutional Affiliation: Undergraduate Student (**ID:**),
Department of Civil Engineering, Bangladesh Army University of
Engineering and Technology (BAUET), Qadirabad, Natore-6431,
Bangladesh
- e-mail:

Name of Supervisor (s)

- Institutional Affiliation(s): **Designation**, Department of Civil Engineering, Bangladesh Army University of Engineering and Technology (BAUET), Qadirabad, Natore-6431, Bangladesh.
- Telephone no (s): Mobile...Official
- e-mail (s):

Name of Co-Supervisor (s) *if any*

- Institutional Affiliation (s): **Designation**, Department of Civil Engineering, Bangladesh Army University of Engineering and Technology (BAUET), Qadirabad, Natore-6431, Bangladesh.
- Telephone no (s): Mobile...Official
- e-mail (s):

(The following part should start from the next page)

2. Project Background (Brief)

[Maximum of **four, 1.5-spaced A4 pages**: 12 point font with 2.5 cm margin on each side]
Should cover the following content in general

- Provide a short contextual description (150–200 words) covering:
 - Engineering relevance of the problem
 - Location/context of the project
 - Why the issue requires an integrated design approach
 - Alignment with civil engineering practice and societal needs

3. Relevant Site Visits and Problem Identification (At least five sites):

Site 1:

Location:

Date of Visit:

Observed Problem(s):

Photographic Evidence:

Site 2:

Location:

Date of Visit:

Observed Problem(s):

Photographic Evidence:

Site 3:

Location:

Date of Visit:

Observed Problem(s):

Photographic Evidence:

Site 4:

Location:

Date of Visit:

Observed Problem(s):

Photographic Evidence:

Site 5:

fw

Location:

Date of Visit:

Observed Problem(s):

Photographic Evidence:

4. Summary of Key Problems Identified from Site Visits

[Maximum of four, 1.5-spaced A4 pages: 12 point font with 2.5 cm margin on each side]

Should cover the following content in general

(Provide a **synthesized summary** (bullet or paragraph form) highlighting:

- Common technical deficiencies observed
- Design, operational, safety, environmental, or sustainability gaps
- Engineering constraints (land, cost, regulation, material, community issues)

Example headings (use as applicable):

- Structural deficiencies
- Drainage and water management issues
- Traffic and transportation problems
- Environmental and waste management concerns
- Public safety and accessibility issues)

5. Justification of the Proposed IDP

5.1 Engineering Justification:

(Explain how the proposed IDP will:

- Address real, field-based engineering problems observed during site visits
- Apply integrated civil engineering knowledge (e.g., structural, geotechnical, environmental, transportation, construction management)
- Involve analysis, design, evaluation, and decision-making under constraints)

5.2 Problem Rectification through the Project:

(Clearly state:

- Which specific problems identified during site visits will be addressed
- How the project outcomes (design, modeling, drawings, analysis) will contribute to solving or mitigating those problems
- Expected technical improvements compared to existing conditions)

6. Timeline

[the use of Gantt Chart is suggested]

7. Status of permits and clearance

e.g. Permits from the relevant authority, ethical clearance from relevant authorities, etc.
[only when applicable]

8. Supervisor's Recommendation

Comments:

Supervisor Signature:

Date:

