

National Tsing Hua University
The Center for Teaching and Learning Development
Undergraduate Research Launch Pilot Program Application Form

I. General Information

Research Project Title				
Applicant (Student)	Name		Student ID	
	Department		Year of Study	
	E-mail		Mobile Phone	
Faculty Advisor	Name		Title	
	Department		E-mail	
Faculty Advisor Signature of Consent			Date	<u>YYYY / MM / DD</u>

II. Research Proposal Content

(I) Abstract

Please briefly summarize the core framework of this research. The content should include the research background and motivation, research objectives, research methods to be adopted, and the expected key outcomes or contributions. It is recommended that this section be completed after the other sections of the proposal have been written.

(II) Research Motivation, Objectives, and Research Questions

1. Research Motivation (What problem, phenomenon, or need have you observed? Why is it worth studying?)

Please explain the key background, academic phenomenon, social issue, or industry need that led to this research. Please also describe the current knowledge gap in the field or an unmet practical need, in order to demonstrate the necessity and importance of this research.

2. Research Objectives (What does this research aim to achieve?)

Please clearly state the specific objectives this research aims to achieve, namely the knowledge, technology, or solution that this project ultimately seeks to produce. Please use clear academic verbs in your description, such as “investigate the mechanism of...,” “construct a model of...,” “analyze differences in...,” or “evaluate the effectiveness of...”

3. Research Questions (What questions does this research seek to answer?)

To achieve the research objectives stated above, please break them down into two to three core research questions. These questions should be operational, verifiable, and closely aligned with the research objectives.

(III) Literature Review and Discussion

Please explain the theoretical foundation of this research and the findings of previous studies. Systematically review the core theories, major literature, and practical studies related to the topic of this project, and connect them closely with the research questions stated above.

(IV) Research Methods and Procedures

Please explain how you plan to conduct the research. Depending on the nature of the research, you may choose appropriate methods such as literature collection and analysis, surveys and interviews, experimental design, case studies, creative work and implementation, or other methods.

1. Research Methods

(1) Research subjects/scope: Please define the research population, sample subjects, experimental materials, or scope of data observation for this research.

(2) Types of data and tools for data collection: Please describe the types of numerical or textual data to be collected, as well as the scales, questionnaires, experimental instruments, or databases to be used.

(3) Data analysis methods: Please explain what qualitative coding methods, such as qualitative content analysis, or quantitative statistical methods, such as descriptive or inferential statistics, will be used to interpret and analyze the data.

2. Implementation Procedures

Please plan the specific implementation process of this project in chronological or logical order, from the preparation stage, data collection, and analysis to the writing of the final report. You may also use a Gantt chart or research flowchart for structured presentation.

(V) Expected Outcomes

1. Please briefly describe the expected outcomes.

Please briefly describe the specific academic conclusions, data, physical works, patents, policy recommendations, or other outcomes expected upon completion of this project, and evaluate their potential practical value or academic contribution.

2. Please list the specific external selection, call for proposals, or funding program that this project plans to apply for or participate in.

Example: NSTC College Student Research Scholarship

(VI) Areas Requiring Guidance from the Faculty Advisor

Please assess your key needs during the implementation of this project, and specifically list the areas in which you expect to receive core assistance from your faculty advisor, such as review of research methodology, guidance on literature analysis, training in experimental operations or software use, introduction to interview participants, or supervision of research progress at different stages.

(VII) References

Please list the relevant journal articles, books, reports, or other sources cited in this proposal. For citations and reference formatting, it is recommended that you follow the citation style commonly used in your field, such as APA, IEEE, MLA, or Chicago.

III. Faculty Advisor Guidance (Plan at least two meetings)

No.	Year/Month	Guidance Content
1		
2		

※ Please add rows as needed. The planned meeting schedule should not extend beyond November 16, 2026.

IV. Consumables, Materials, Books, and Miscellaneous Expenses

(1) Consumables, materials, books, and miscellaneous expenses required for the implementation of the project may be subsidized up to NT\$2,000.

(2) In the Description column, please provide relevant information such as the specifications and purposes of each item.

Currency unit: New Taiwan Dollars (NTD)

Item Name	Description	Unit	Quantity	Unit Price	Amount	Remarks
Total						

※ Please add rows as needed if the space provided is insufficient.

V. Applicant Declaration

I confirm that this research proposal was written by me and that all information provided is true and accurate. I understand the regulations regarding application, implementation, use of funds, and final submission for this program. Failure to submit the required documents by the specified deadlines will be regarded as forfeiture of eligibility and related incentives or subsidies.

Applicant Signature: _____

Date: YYYY / MM / DD