**National Cheng Kung University**

**Proposal for Sustainable Humanities and Technology Campus Field Validation Project**

|  |  |
| --- | --- |
| Project Title: |  |
| Principal Investigator |  | (Signature) |
| Affiliated Unit:(Department /College) |  |
| Site Responsible Unit Supervisor | (Signature) |
| Date： |  |

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1. **General Information**

|  |  |  |
| --- | --- | --- |
| Project Title | Chinese |  |
| English |  |
| Project Period | From to （MM/DD/YY） |
| Type of Research Project | [ ] Individual [ ] Integrated  |
| Requested Budget  | First Year  | NTD$ |
| Second Year | NTD$ |
| SDGs(Please check the applicable options.)*Suggested Reference「*[*https://globalgoals.tw/*](https://globalgoals.tw/)*」* | ☐SDG1.消除貧窮 ☐SDG2.消除飢餓 ☐SDG3.良好健康與福祉 ☐SDG4.優質教育 ☐SDG5.性別平等 ☐SDG6.潔淨水與衛生 ☐SDG7.可負擔的潔淨能源 ☐SDG8.尊嚴就業與經濟成長 ☐SDG9.產業創新與基礎建設 ☐SDG10.減少不平等 ☐SDG11.永續城鄉發展 ☐SDG12.負責任的消費與生產☐SDG13.氣候變遷 ☐SDG14.海洋生態 ☐SDG15.陸域生態☐SDG16.和平正義與有力的制度 ☐SDG17.夥伴關係 |
| Key Area of Research Related to NCKU Development Goals | ☐humanity values ☐health and well-being ☐net-zero carbon emissions☐intelligent environmental control ☐resilient disaster prevention |
| Does this research project include the following? (Check as applicable and attach relevant consent forms.)☐ Human Studies/ Human Specimen ☐ Human Embryo/ Human Embryonic Stem Cell☐ Gene Recombination ☐ GMO Field Trial ☐ Microbes in Risk Group 2,3,4 ☐ Animal Studies (A description of the 3R ethical principles in animal experiments must be attached as well)Notes:1. The experiment executor is required to complete this field with precision.
2. Upon project approval, promptly submit the "Proof of Experiment Review Acceptance" within the specified timeframe to initiate the fund allocation application process.
3. The project title submitted for experiment review must align precisely with the title specified in this project documentation.
 |
| PI | Name |  | Position |  |
| E-mail |  |
| Tel. | (office) |  | (mobile) |  |

**1-1.** **Brief Information of Integrated Research Project** **(Not applicable if not an integrated project)**

|  |  |  |
| --- | --- | --- |
| Title of Project | Chinese |  |
| English |  |
| Principal Investigator | Name | Chinese |  | English |  |
| Affiliation | (College)(Department/ Institute) |
| 分項計畫一 | Subproject 1 | Title of subproject | Chinese |  |
| English |  |
| Co-PI | Name | Chinese | Name | Chinese | Name |
| Affiliation | (College)(Department/ Institute) |
| 分項計畫二 | Subproject 2 | Title of subproject | Chinese |  |
| English |  |
| Co-PI | Name | Chinese | Name | Chinese | Name |
| Affiliation | (College)(Department/ Institute) |
| 分項計畫三 | Subproject 3 | Title of subproject | Chinese |  |
| English |  |
| Co-PI | Name | Chinese | Name | Chinese | Name |
| Affiliation | (College)(Department/ Institute) |
| 分項計畫四 | Subproject 4 | XXX | XXX | XXX |

1. **Abstract**

(maximum 500 words)

1. **Contents of Proposal *10 pages (excluding budget tables, research manpower, references, and attachments).***
	1. Background, Objectives, and Feasibility (Kindly provide detailed information on the following: 1. Project objectives, target, and campus issues; 2. The existing technical expertise, past research achievements, and track record of the team in addressing issues in the target campus site; 3. Based on the team's technical capabilities, explain the potential and feasibility of addressing sustainability issues in the target campus area; 4. Articulate how the project aligns with the five key areas and Sustainable Development Goals (SDGs).
	2. Methods and Procedures (Kindly elaborate on the following:1. The research methods employed for this project; 2. The strategy for implementing the validation on the target campus site; 3. Foreseen challenges and corresponding proposed solutions; 4. If international research is required, please provide details regarding its necessity and anticipated outcomes, among other relevant information.)
	3. Schedule Planning, Expected Completed Tasks, and Performance Indicators (Please outline the expected completion of tasks and performance indicators on an annual basis.)
	4. Implementation and Promotion Strategies (Kindly elucidate on the following: 1. The manner in which the project outcomes will be integrated into the sustainable development of the campus area, detailing specific effects. 2. Strategies for disseminating the verification results within the campus area, encompassing plans for collaboration with external partners such as the community and businesses to broaden the scope of technological applications.)
	5. **Relevant Explanations for a Single Integrated Project** (Not applicable if not an integrated project)
		* 1. The Necessity of Integration (including overall objectives, the collaborative framework for overall division of labor, and the relevance and integration level among various sub-projects.)
			2. Human Resource Coordination (including the coordinating leadership ability of the overall project leader, the professional capabilities of each sub-project leader, and the cooperation and harmony among them.)
2. **Requested Budget Form**

(Please follow the funding usage principles of the Ministry of Education's Higher Education Sprout Project)

|  |  |
| --- | --- |
| Amount Unit: New Taiwan Dollars (NTD) |  |
| Project Year Budget Categories | First YearFrom to (DD/YY） | Second YearFrom to (DD/YY） | Overall Project Anticipated Expenditures(List of Items) |
| **General Expenses** |  |  |  |
| **Restricted Expenditures**  |  |  |  |
| **Equipment Fees**  |  |  |  |
| **Travel Expenses for International Destinations***※For this item, please fill in the attachment explanation.* |  |  |  |
| **Total** |  |  |  |

Remarks:

1. General Expenses (part-time assistant/temporary worker fees, consumables, short-term visit airfare, transportation expenses, domestic travel expenses, etc.)
2. Restricted Expenses (not to exceed 2% of the total)
3. Equipment Fees (not to exceed 50% of the total), and for items with a unit price exceeding NT$150,000, an estimate sheet must be attached.
4. Travel Expenses for International Destinations (for international cooperation and research, attendance at international academic conferences, overseas visits, and inspections).
5. **Key Professional Personnel**

Indicate “staff type” in the following order: principal investigator (PI), collaborating principal investigator (co-PI), assistant investigator, and doctoral research fellow.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| StaffType | Name | Institution/Department | Position | Role in Project |
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**References**

**Appendix-Personal Information Form, Performance Table, and a Two-page Bibliography (Attach the NSTC version) for the Principal Investigator/Co-Principal Investigator.**

**Appendix-IRB-related certificates or other (please specify)** (if not applicable, no need to attach.)

**Appendix-Travel Expenses for International Destinations-Joint Research & Overseas Studies:** (if not applicable, no need to attach.)

* + - 1. Principal Investigators and relevant project personnel can apply for funding to cover international travel expenses for supporting collaborative research, field studies, experiments, surveys, sample collection, and the utilization of research facilities abroad.
			2. Provide details on the itinerary, proposed budget, duration, and destination for each individual traveling overseas. If living expenses are to be covered by the receiving parties, in accordance with bilateral arrangements, kindly exclude such expenditures from the proposed budget.
			3. Information on the funding allocated for subsistence, airfare, and other international travel-related expenses can be accessed on the following website: http://law.dgbas.gov.tw/LawContent.aspx?id=FL020312
			4. Convert all financial amounts into NT dollars and explicitly state the exchange rate used.
			5. Dedicate separate pages for each fiscal year.

**Appendix-Travel Expenses for International Destinations-International Conferences:** (if not applicable, no need to attach.)

* + - 1. Principal Investigators and relevant personnel involved in project may apply international travelling expenses for attending international academic conference held overseas.
			2. Describe the nature of conference, proposed budget, venue and duration.
			3. Please refer to the following website for information about amount of funding regarding international air tickets, daily allowance and others. (https://law.dgbas.gov.tw/LawContent.aspx?id=FL017584)
			4. Briefly describe any participation in international conferences in the past three years. Indicate conference title, dates, venue, sponsoring organization, and title of conference paper presented therein. For any publications resulting from the conference, provide name of journal or publication, volume, page number, and date of publication.
			5. Dedicate separate pages for each fiscal year.

**Appendix-Travel Expenses for International Destinations- Explorative visits & Inspection(s):** (if not applicable, no need to attach.)

* + - 1. Principal Investigators and relevant personnel involved in project may apply international travelling expenses for attending explorative visits and inspection(s).
			2. Describe the nature of conference, proposed budget, venue and duration.
			3. Please refer to the following website for information about amount of funding regarding international air tickets, daily allowance and others. (https://law.dgbas.gov.tw/LawContent.aspx?id=FL017584)
			4. Convert all financial amounts into NT dollars and explicitly state the exchange rate used.
			5. Dedicate separate pages for each fiscal year.