The Project for Integrated Rural Development of Nepal through Strengthening Research and Development Capacity of Kathmandu University

Implementation Plan
for
Technology Development Proposal Contest

May, 2023

1. Objectives of Contest Implementation Program

Kathmandu University - Integrated Rural Development Project / Nepal Technology Innovaiton Center (KU-IRDP/NTIC) aims to promote integrated rural development by strengthening Kathmandu University's R&D capabilities.

The objectives of this contest as a part of the IRDP are to:

- Strengthen planning capacity for the development of practical technologies of Nepal

- Increase the utilization of NTIC equipment

- Enhance the sustainability of NTIC as a technology development platform

- Prepare in advance to acquire technology development funds

- Explore joint technology development opportunities with Korean universities/research institutes

2. Total Supporting Grant

Category	Details
Total Supporting Grant	70,000 USD
Maximum Grant	5,000 USD per project
Maximum Number of Supported Projects	15-20
Selection Method	Open Competition

3. Application Areas

- Science and Engineering
  • Agriculture and rural development sector

  • New & renewable energy sector

  • Health sector related to rural livelihood

- Humanities and Social Sciences

• Technology management

• Regional development

• Education

* Limited to proposals for practical technology development/propagation that meet the purposes of
   IRDP.

4. Eligibility for Application

  Faculty member, researcher, PhD course student at Kathmandu University

- Application is not qualified if;

• PIs and participating researchers who are currently performing technology development projects supported

by NTIC's R&BD program

• A faculty member who is conducting a R&D project supported by Kathmandu University

• Faculty members/researchers who are receiving project support from Nepal or overseas institutions as of

the application deadline

• Proposal that has the same or similar judgment factors compared to the already developed or already

supported project

• PIs who are not fulfilling obligations, such as submitting various reports for other research projects, paying

technical fees/settlements/refunds, etc.

5. Eligible Types of Proposal

- Technology development proposal proposed by a single researcher
- Technology development proposal proposed by multiple researcher group

6. Numbers of Selected proposal

Proposal Types		KOICA grants (maximum)	Numbers of Granting proposals
Science/Engineering	Single	3,000 USD	10 ~ 15
	Group	5,000 USD	3 ~ 5
Humanities/Social Sciences	Single	1,000 USD	3 ~ 5

7. Use of Grant

• Disposable items (consumables) will be purchased and provided by NTIC to be utilized for future research works

• Proposals utilizing NTIC equipment will be given preferential treatment.

• The expenditure plan for the funding should be submitted along with the application, including a list of necessary consumables, quantities, unit prices, total amounts, equipment rental fees, etc.

• NTIC will continuously monitor the implementation of proposals for which funding has been provided, and the Principal Investigator (PI) should make every effort to ensure the actual implementation of the proposal.

• The grant can be spent only on the purchase of consumables and equipment usage fees necessary for the implementation of the proposed project (however, grant for the humanities/social sciences can use for their usable, and data survey)

• The expenses for salary, allowance, food, refreshment, transportation etc. required to carry out the proposed project cannot be accounted for, and must be covered by funding from other organizations using the submitted proposal.

• When submitting the proposal, the expenditure plan for the support grant must also be submitted.

• Accounting or payment of overhead cost is not permitted

8. Evaluation and Selection of Proposals (including bonus points)

-Under the leadership of the Project Management Consulting (PMC), 3 to 5 experts in each field are appointed as evaluation committee members to conduct proposal evaluation.

- Final support projects are selected by PMC within budget in the order of written evaluation scores

-Proposals are selected within budget in the order of written evaluation scores

-The evaluation criteria of proposals are as follows;

Criteria (Score)	Details
Goals and Necessity (10)	- Technology development goals and contents (5): goal challenge, composition appropriateness - Necessity of technology development (5): feasibility of support, field appropriateness, justification for development, market compatibility
Characteristics of Technology (30)	- Innovativeness (15): technological innovativeness - Differentiation (15): technological differentiation
Development Strategies (40)	- Technology development system (10): appropriateness of the development system - Risk control measures (10): feasibility of risk control measures - Research capacities (10): Principal Investigator competence - Equipment Utilization Plan (10): NTIC and KU equipment utilization plan
Feasibility (10) and Fidelity of Research Plan (10)	- Action Plan (10): possibility of securing additional research funds and joint research partners - Proposal writing (5): technical and editorial fidelity - Use of support funds (5): appropriateness of use of support funds

• Bonus points in evaluating project proposal are provided when:

   ✓ The consortium includes any Korean university, research institution, industry, etc., or any professor or researcher of them takes part in the project. (3 points)

   ✓ The consortium includes any overseas (non-Korean) universities, research institutions, industries, etc., or any professors or researchers of them take part in the project. (1 point)

9. Application Processes

Category	project concept note
Application period	2023. 05. 24 ~ 06. 13 (21 days)
Application form and relevant templates	Form issuance period: 2023. 05. 25 ~ 06. 09 (16 days) Issuance of forms: download from the NTIC website
Submission	Drop off hard copy at the IRDP team office of KU or Send electronic copy via email at irdp@ku.edu.np Deadline: June 13, 2023. 4:00 P.M. (NST)

10. Contacts

- For further information and related forms, please refer to the website of Kathmandu University (www.ku.edu.np) and NTIC website (ntic.ku.edu.np)

- For inquiries about details and evaluation schedule/procedure, please email;

• Project management support team: irdp@ku.edu.np

• PMC manager: nunbyung@naver.com