विश्वविद्यालय अनुदान आयोग

उच्च शिक्षा सुधार परियोजना

सानोठिमी, भक्तपुर ।

शोध एकीकृत शैक्षिक तथा अनुसन्धान प्रयोगशाला (Integrated Research Lab) स्थापना गर्न सहयोग सम्बन्धी प्रस्ताव आव्हानको सूचना

प्रथम पटक प्रकाशित मिति: २०७६/०८/३

विश्वविद्यालय अनुदान आयोग अन्तर्गत कार्यान्वयनमा रहेको उच्च शिक्षा सुधार परियोजनामा प्रावधान भए बमोजिम DLI 7: उच्च शिक्षाको उत्कृष्टताका लागि अनुसन्धान, विकास एवं नव प्रवर्त्तन कार्यक्रम अन्तर्गत विज्ञान तथा प्रविधि क्षेत्रका विषयहरुका लागि एकीकृत शैक्षिक तथा अनुसन्धान प्रयोगशाला (Integrated Research Lab) स्थापना गर्न सूचना प्रकाशित भएको मितिले ३० दिनभित्र (२०७६ पौष २ गते ४:०० बजेसम्म) विश्वविद्यालयहरुबाट यस आयोगमा आवेदन सहित प्रस्ताव पेश गर्न अनुरोध गरिन्छ । प्रस्ताव सम्बन्धी ढाँचा आयोगको website (www.ugc@ugcnepal.edu.np) बाट प्राप्त गर्न सकिनेछ ।

थप जानकारीका लागि

अनुसन्धान महाशाखा

विश्वविद्यालय अनुदान आयोग

सानोठिमी, भक्तपुर

फोन नं. ६६३८५४९, ६६३८५५० (Ext. 124,128)

University Grants Commission

Call for Proposal

Support for establishment of Integrated Research Laboratory for Science and Technology

Purpose

The University Grants Commission (UGC) invites proposals from the Nepali Universities to establish integrated research laboratory for academic excellence and result oriented research output by promoting multi-disciplinary initiative under one umbrella. This support is a part of "Institutions supported for academic excellence in priority areas through research, development and innovation (RDI) awards" of Higher Education Reform Project. Funding is provided to procure essential and sophisticated equipment and instruments, to embody cluster of various scientific disciplines under one umbrella, impart an in-built mechanism for troubleshooting, repair and maintenance, avail use of laboratory facilities to researchers on cost sharing basis for sustainability of operation.

Objective

This support scheme aims to enhance the research infrastructure of integrated laboratory for initiating multi-disciplinary research activities leading to academic excellence and result-oriented outcome.

Eligibility

Universities offering Science and Technology discipline will be eligible for the establishment of integrated research laboratory facilities.

Application Procedure

University should submit application to the UGC Secretariat by 4:00 PM Poush 2, 2076. Application should consist of three hard copies and a soft copy of the proposal.

Selection process

The proposal shall be evaluated by a team of experts. Preference shall be given to inter-disciplinary proposal. The fundamental criteria for the selection are listed as:

- Conceptualization of integrated research laboratory model
- Demonstrated academic and research capabilities of the institution
- Accessibility of integrated laboratory to conduct research works on cost-sharing basis.
- Potential research impacts from both academically and result oriented research outputs by multi-disciplinary initiatives.
- SWOC (Strengths, Weaknesses, Opportunities, and Challenges) analysis of participating disciplines.

- Appropriate infrastructural facilities.
- Provisions for managing environmental stresses (temperature, vibration, wind, dust, smell etc.)
- Adherence and commitment to Good Laboratory Practice (GLP)
- Detailed presentation of proposal and model of integration (conceptual framework)

Announcement of Result

The final evaluation result shall be published in the UGC website.

Code of conduct

The UGC is fully committed to the principle of honesty, integrity, and fair play in the conduct of its business. All application should comply with the UGC code of conduct.

Outline for Proposal of Integrated Laboratory

1. Title
2. Background and Rationale
3. Objectives
    - Overall Objectives
    - Specific Objective

4. SWOC Analysis
5. Capacity building needs with respect to current situation
6. Proposed modality of "Integrated Research Laboratory Establishment."
    a. Expected beneficiaries
    b. Innovative features of the laboratory model
7. Strategy for sustainability (at-least five-year operational plan)
8. Integrated operational plan
9. Risk Analysis
10. Detailed Budget
11. Expected Outcome

Annex I: Inventory of equipment and instruments in integrated Laboratory

Date of Inventory:

Instruments/Equipment	**Quantity**	**Use for which analysis**	**Quality(ages, working condition, etc.**	**Remarks (Repair, calibration, maintenance)**

Annex II: Capacity building needs for integrated laboratory.

S.N.	**Integrated Lab**
a.	Mission and Strategy
b.	Organizational Structure
c.	Operational aspect

d.	Human resources
e.	Financial resources
f.	Informational resources
g.	Infrastructure, equipment and Supplies (including reference materials)

Annex III: Checklist for Equipment, Instruments and Infrastructure

S.N	Items	Yes	No	Remarks
1.	Availability of essential and specialized equipment			
2.	Inventory of equipment			
3.	Repair and maintenance			
4.	Performance check of equipment			
5.	Traceability of calibration of equipment			
6.	Status of Laboratory supplies			
7.	Environmental stresses (e.g. temperature, vibrations, wind, dust, smell, etc)			
8.	Safety devices(fume hoods, emergency showers, eye touches, fire extinguishers, fire blanket)			
9.	Layout, size, structural condition, of laboratory buildings			
10.	Availability of available space for bench testing, equipment, administrative activities and general storage			
11.	Secured environmental controlled areas			
12.	Uninterruptible power supply(UPS)			
13.	Means of water supply controlled by static pressure or electricity			
14.	Specialized gas supply schemes (hydrogen, nitrogen, oxygen, helium etc.)			
15.	Validation of new equipment			
16.	Maintenance system and records			
17.	Standard operating Procedure(SOPs)			

18.	Availability of reference materials(Weights, thermometers, pressure gauze)			
19.	Monitoring of environmental conditions			
20.	Trouble shooting orientation to equipment operators			
21.	Good Housekeeping /Store			