

Kathmandu University

# Ph.D. Index

Issue: Dec, 2025



Directorate of Research
Development and Innovation

# Ph. D. Index 2025

# **Foreword from the Director**

Getting a Ph.D. is a big decision and a tough journey. It takes a lot of hard work, curiosity, and a real love for learning new things. This Ph.D. Index 2025 celebrates over 200 people from Kathmandu University who have completed this journey and earned their degrees.

This book is more than just a list of names—it's a snapshot of the amazing research and ideas that come from our seven Schools. Since our first Ph.D. graduate, Prof. Dr. Dal Bahadur Adhikary, in 2000, many more have followed and made a difference in universities, businesses, and communities, both in Nepal and around the world.

It's exciting to see our Ph.D. programs growing quickly, with more students enrolled now than ever before. This shows that KU is a thriving place for research in many fields, from humanities and education to engineering, management, science, and medicine.

One of our main goals is to help people connect—whether you're thinking about becoming a researcher, are already working in the field, or simply want to learn more. We hope this index inspires new students, helps researchers and alumni work together, and gives leaders and experts insight into the work happening at KU.

We've even added QR codes to some entries so you can easily read the full PhD theses. This makes it easier for everyone to learn from and build on what's already been discovered.

As we look forward, the Directorate of Research, Development, and Innovation remains dedicated to nurturing a culture of high-impact, ethical, and interdisciplinary research. We are committed to supporting our scholars and faculty in their quest to address the complex challenges of our time.

My sincere gratitude goes to the RDI committee, the administrative team, the research coordinators across all Schools, and everyone who contributed to compiling this significant volume. To our Ph.D. graduates—your achievements are the foundation of this index and the pride of Kathmandu University. To our current and future scholars—we look forward to the new frontiers you will explore.

Welcome to the Kathmandu University Ph.D. Index 2025.

Assoc. Prof. Brijesh Adhikary Acting Director Directorate of Research, Development, and Innovation Kathmandu University

# **RDI Committee Members**

Assoc. Prof. Brijesh Adhikary Acting Director

Mr. Nabhendra Paudel Chief, Human Resource Division

Mr. Chandeswor Shrestha Chief, Finance Division

Mr. Devraj Adhikari Chief, Management Services Division

Dr. Chandra Prakash Aryal Research Coordinator, School of Arts

Dr. Niroj Dahal Research Coordinator, School of Education

Dr. Sailesh Chitrakar Research Coordinator, School of Engineering

Dr. Sanju Adhikary Research Coordinator, School of Law

Prof. Dr. Ajay Risal Research Coordinator, School of Medical

Sciences

Prof. Dr. Binod Krishna Shrestha Research Coordinator, School of

Management

Dr. Hitesh Kumar Bhattarai Research Coordinator, School of Science

# **Internally Funded Project Sub - Committee**

• Prof. Dr. Rajendra Joshi

• Prof. Dr. Rajani Shakya

• Prof. Dr. Gajendra Sharma

#### **Administrative Team**

• Assoc. Prof. Brijesh Adhikary

Umesh KC

Prince Manandhar

# Kathmandu University Research Guidelines

# काठमाडौं विश्वविद्यालय, अनुसन्धान सम्बन्धी नियम, २०६२

काठमाडौ. विश्वविद्यालय ऐन २०४८ को दफा ५ (ङ) र २२ ले दिएको अधिकार प्रयोग गरी काठमाडौँ विश्वविद्यालय सभाले यो नियम बनाएको छ ।

# संशोधन :

पहिलो संशोधन : २०७१।०३।०६

#### परिच्छेद - १

# प्रारम्भिक

#### १.9 संक्षिप्त नाम र प्रारम्भ

- क) यस नियमको नाम काठमाडौँ विश्वविद्यालय, अनुसन्धान सम्बन्धी नियम, २०६२ रहने छ ।
- ख) यो नियम विश्वविद्यालय सभाले पारित गरेको मिति देखि लागू हुनेछ ।

#### १.२ परिभाषा

4

विषय वा प्रसंगले अर्को अर्थ नलागेमा यस नियममा :

- (क) 'ऐन' भन्नाले काठमाडौँ विश्वविद्यालय ऐन, २०४८ सम्कन्पर्दछ ।
- (ख) 'विश्वविद्यालय' भन्नाले काठमाडौँ विश्वविद्यालय ऐन, २०४८ बमोजिम स्थापना भएको काठमाडौँ विश्वविद्यालय सम्भन्तपुर्दछ ।
- (ग) "M.S. by Research" भन्नाले विश्वविद्यालयद्वारा प्रदान गरिने M.S. by Research को शैक्षिक उपाधि सम्भन्पर्दछ ।
- (घ) "एम. फिल." भन्नाले विश्वविद्यालयद्वारा प्रदान गरिने M. Phil को शैक्षिक उपाधि सम्भन्तपर्दछ, ।
- (ङ) "विद्यावारिधि" भन्नाले विश्वविद्यालयद्वारा प्रदान गरिने Ph.D शैक्षिक उपाधि सम्भन्नपुर्दछ, ।
- (च) "विद्यापरिषद्" भन्नाले सम्बन्धित स्कुलको विद्यापरिषद्लाई सम्भन्पुपर्छ ।
- (छ) "अनुसन्धान समिति" भन्नाले यस नियम अनुसारको सम्बन्धित स्कुलको अनुसन्धान समिति सम्भन्पर्छ।
- (ज) 'कलेज' भन्नाले विश्वविद्यालयसंग सम्बन्धन प्राप्त शिक्षण संस्था सम्भन्तपुर्दछ ।
- (भ्क) 'निर्देशिका' भन्नाले नियम ४.३ बमोजिम तयार भएको निर्देशिका सम्भन्नपुर्दछ ।

#### परिच्छेद - २

# अनुसन्धान समितिको गठन, काम र कर्तव्य

# Ω २.9 अनुसन्धान समिति

- प्रत्येक स्कुलमा M.S. by Research, एम.फिल. र विद्यावारिधि कार्यक्रम सञ्चालन र निर्देशनका
   निमित्त अनुसन्धान समितिको गठन गरिनेछ । यसमा देहायका व्यक्तिहरु रहनेछन् ।
  - (क) सम्बन्धित स्कलका डिन

-अध्यक्ष

(ख) सम्बन्धित स्कुलका एशोसिएट डीनहरु (आवश्यकता अनुसार)

-सदस्य

(ग) सम्बन्धित स्कुलका विभागीय प्रमुखहरु मध्येबाट बढीमा ५ जना

-सदस्य

- (घ) सम्बन्धित स्कुलका विभागहरुबाट एक एक जना प्रोफेसरका दरले बढीमा २ जना
- (ङ) उपकुलपतिबाट मनोनित विद्वानहरुमध्येबाट बढीमा २ जना

-सदस्य -सदस्य

- खण्ड (ग) र (घ) अन्तर्गतका सदस्यहरु अध्यक्षबाट मनोनित हुनेछन् । निजहरुको पदाविध ३ वर्षको हुनेछ ।
- खण्ड (ङ) अन्तरगत मनोनित सदस्यहरुको पदाविध ३ वर्षको हुनेछ ।
- आवश्यकता अनुसार अध्यक्षले विषयगत विज्ञहरु बढीमा ३ जनासम्मलाई सम्बन्धित विषयको बैठकमा सदस्यसरह भाग लिन पाउने गरी आमन्त्रण गर्न सक्नेछ ।
- प्रत्येक स्कुलले आ-आफ्नो अनुसन्धान समितिको गठनको जानकारी कार्यकारी परिषद् समक्ष दिनुपर्नेछ ।

# २.२ अनुसन्धान समितिको काम कर्तव्य

- प्रत्येक स्कुलमा M.S. by Research, एम.फिल., विद्यावारिधि र अन्य अनुसन्धान सम्बन्धी कार्य, कार्यक्रमहरु सञ्चालन र अनुसन्धानको गणस्तर कायम गराइ सो भए नभएको रेखदेख गर्न हुनेछ ।
- M.S. by Research, एम.फिल. र विद्यावारिधिका आवेदनहरुको मूल्याङ्कन गरी अस्थायी /स्थायी दर्ता अनुमोदन गर्ने ।
- ३ सम्बन्धित विषयको पाठ्यक्रम, मूल्याङ्कन र अध्ययन अध्यापनका अन्य पूर्वाधारहरु तयार गरी विद्यापरिषद् मार्फत स्वीकृतिका लागि प्राज्ञिक परिषद्मा सिफारिस गर्ने ।
- विद्यावारिधिको सोध प्रगतिको मूल्याङ्गन गरी स्थायी दर्ताको स्वीकृति दिने ।

Ω प्रथम संशोधनद्वारा संशोधित ।

- शोध निर्देशकको लागि प्राज्ञिक परिषद्ले निर्धारण गरेको योग्यताको आधारमा विभागको सिफारिशमा सोध निर्देशक/निर्देशकहरु/निर्देशन समिति तोक्ने ।
- ६. ६/६ महिनामा प्रगति विवरणको मूल्याङ्गन गर्ने, आन्तरिक र बाह्य परीक्षक तोक्ने, सोघ पुरा भएपछि मौखिक परीक्षाको स्वीकृति दिने र प्राप्त राय सुक्तावका आधारमा नितजा अनुमोदन गर्नका लागि परीक्षा समितिमा सिफारिस गर्ने ।
- काठमाडौँ विश्वविद्यालय, अनुसन्धान, विकास तथा परामर्श समिति (Research Development and Consultancy Committee) सम्बन्धी विनियम कार्यान्वय गर्ने ।
- नियममा तोकिएको अन्य काम गर्ने ।

#### २.३. बैठक सम्बन्धी कार्यविधि

- (क) अनुसन्धान समितिको बैठक वर्षमा कम्तीमा दुई पटक बस्नेछ । तर अध्यक्षले आवश्यक देखेमा थप
   बैठक बोलाउन सक्नेछ ।
- (ख) अनुसन्धान समितिको बैठकको गणपूरक संख्या आमिन्त्रत बाहेक कुल सदस्यसंख्यामध्ये बहाली लिएका सदस्यसंख्याको ५१ प्रतिशत हुनेछ ।

# २.४ रिक्त सदस्यको स्थान पूर्ति गर्ने व्यवस्था

कुनै कारणवश मनोनित सदस्यको स्थान तोकिएको पदावधि नपुग्दै रिक्त हुन आएमा दफा २.९ अनुसार रिक्त स्थान पूर्ति गरिनेछ ।

# २.५. अन्तरविषयक M.S. by Research, एम.फिल. विद्यावारिधि कार्यक्रम

दुई वा दुईभन्दा बढी स्कुलले प्राज्ञिक परिषद्को स्वीकृतिमा अन्तर्विषयक M.S.by Research, एम. फिल. र विद्यावारिधि कार्यक्रम सञ्चालन गर्न सक्नेछन ।

#### परिच्छोद - ३

# आवेदन, योग्यता र नामदर्ता

#### 3.9. (a) **आवेदन**

- (९) विश्वविद्यालयबाट M.S. by Research, एम. फिल. र विद्यावारिधि उपाधि प्राप्त गर्न चाहने उमेदवारले विश्वविद्यालयद्धारा तोकिएका आवेदन फारमको ढांचामा तोकिए बमोजिम आवेदन शुल्क बुक्ताई सम्बन्धित विभाग समक्ष आवेदन दिनुपर्नेछ ।
- (२) M.S.by Research, एम. फिल.का लागि विभागले व्यवस्था गरे बमोजिम शैक्षिक सत्रको प्रारम्भमा आवेदन गर्न सिकने छ, तर विद्यावारिधिको लागि भने कुनै पनि समयमा आवेदन गर्न सिकनेछ।
- (३) सबन्धित विभागले निवेदन उपर छानविन गरी उपयुक्त भए सोध निर्देशक समेत तोकी डीन मार्फत अनुसन्धान समिति समक्ष सिफारिस गर्नेछ ।

#### (ख) योग्यता:

M.S. by Research, एम. फिल. र विद्यावारिधि उपाधिका निम्ति आवश्यक पर्ने योग्यता प्राज्ञिक परिषद् ने निर्धारण गरे बमोजिम हुनेछ ।

#### ३.२. नामदर्ता

- (क) नियम ३.९ (ख) अनुसार निर्धारित योग्यताको आधारमा योग्य देखिने उमेदवारलाई अनुसन्धान समितिले विद्यावारिधि उपाधिको अनुसन्धानका निम्ति स्थायी/अस्थायी नामदर्ता गर्ने स्वीकृति दिन सक्नेद्ध ।
- (ख) M.S. by Research, एम.फिल.को हकमा विभागको सिफारिस अनुसार सोक्नै स्थायी नाम दर्ता गर्न सकिनेक ।
- (ग) अस्थायी नामदर्ता भई विद्यावारिधि सोध कार्यमा संलग्न शोधार्थीको न्यूनतम ६ महिनाको कार्य प्रगति सन्तोषजनक देखिएको भनी सम्वन्धित सोध निर्देशकले सिफारिश गरेमा त्यसको मूल्याङ्गन गरी अनुसन्धान समितिले स्थायी नामदर्ता गर्न स्वीकृति दिनेछ ।

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#### परिच्छेद - ४

# विविध

#### ४.१ शुल्क दाखिला

(क) M.S. by Research, एम.फिल. र विद्यावारिधि कार्यक्रमका लागि लाग्ने सबै किसिमका शुल्कहरु विश्वविद्यालयको नियमानुसार समय-समयमा कार्यकारी परिषद्बाट तोकिए बमोजिम दाखिला गर्नपर्नेछ ।

# (ख) शुल्क मिनाहा वा अन्य सहुलियत :

M.S. by Research, एम.फिल. र विद्यावारिधि अनुसन्धानकर्ताहरुलाई शुल्क मिनहा वा अन्य सहुलियत कार्यकारी परिषद्ले तोके बमोजिम हुनेछ ।

#### ४.२ उपाधि प्रदान

M.S. by Research, एम.फिल र विद्यावारिधि उपाधि दीक्षान्त वा विशेष दीक्षान्त समारोहमा प्रदान गरिनेछ ।

#### ४.३ अन्य करा निर्देशिका बमोजिम हुनेछ ।

M.S. by Research, एम.फिल. र विद्यावारिधिको समयावधि, अनुसन्धानका लागि प्रस्तावित विषयगत शीर्षक, विभागले सुभाव गरेका Course हरुको अध्ययन, शोध प्रस्तुतिको ढांचा, परीक्षा र मूल्याङ्कनका आधारहरुको निर्धारण, परीक्षण समितिको व्यवस्था आदि कुराहरु निर्देशिका बमोजिम हुनेछ ।

#### ४.४ निर्देशिका बनाउने अधिकार

यस नियमको प्रयोजनको लागि आवश्यकतानुसार प्रत्येक स्कुलको अनुसन्धान समितिले निर्देशिका बनाउन सक्नेछ । सो निर्देशिका प्राज्ञिक परिषद्को स्वीकृति लिई लागू हुनेछ ।

#### ४.५ नियमको व्याख्या

यस नियमको व्याख्या गर्ने अधिकार कार्यकारी परिषद्लाई हुनेछ ।

#### ४.६ अधिकार प्रत्यायोजन

अनुसन्धान समितिले आवश्यकता अनुसार डिन वा विभागीय प्रमुख वा शोध निर्देशकलाई आफूमा भएको अधिकार प्रत्यायोजन गर्न सक्नेछ ।

तर नियम ४,४ को अधिकार पत्यायोजन गरिने छैन ।

#### ४.७ खारेजी र बचाउ

- काठमाडौँ विश्वविद्यालय अनुसन्धान सम्बन्धी नियम, २०५१ खारेज गरिएको छ ।
- (ख) काठमाडौँ विश्वविद्यालय अनुसन्धान सम्बन्धी नियम, २०५१ अन्तर्गत भए गरेका काम कारवाही यसै नियम अन्तर्गत भए गरेको मानिनेछ ।

# काठमाडौँ विश्वविद्यालय, अनुसन्धान सम्बन्धी नियम, ०६२ का मुख्य विशेषताहरु

विश्विवद्यालयलाई "शिक्षण एवं अनुसन्धान" विश्विवद्यालयको रुपमा विकास गर्नका लागि काठमाडौँ विश्वविद्यालय अनुसन्धान सम्बन्धी नियम, २०५१ खारेज गरी काठमाडौँ विश्वविद्यालय, अनुसन्धान सम्बन्धी नियम २०६२" सभाबाट पारित गर्नको निमित्त प्रस्तावित गरिएको छ ।

# यसका मुख्य विशेषताहरु निम्न छन् :

- पूर्व नियम पूर्णत परिमार्जन गर्नुपर्ने हुँदा संशोधन गर्नुको साटो पूर्व नियम खारेज गरी नयाँ नियम ल्याउनु परेको हो।
- २. प्रत्येक स्कुलमा अलग अलग अनुसन्धान समितिको व्यवस्था गरिएको ।
- अनुसन्धान समितिको अध्यक्षता सम्बन्धित स्कुलको डिनले गर्ने हुँदा प्रत्येक स्कुलले नियमको परिधिभित्र रही आ-आफ्नो स्कुलको क्षेत्र र प्रकृति अनुरुप एम.फिल र पिएच.डी सम्बन्धी निर्देशिका बनाउन सिकने व्यवस्था गरिएको।
  (निर्देशिका बनाइदा सम्भव भएसम्म सबै स्कुललाई मिल्ने गरी एकरुपता कायम गर्न जोड दिइनु पर्नेछ। स्कुलको प्रकृति र क्षेत्रले माग गरेका विषयमा मात्र फरक दफा राखी आवश्यक कार्यान्वयनका लागि सरल बनाइने)
- ४. विद्यापरिषद् र अनुसन्धान समिति समेतलाई परिभाषित गरिएको ।
- अन्तर्विषयक M.S. by Research, एम.फिल र पिएच.डी.कार्यक्रम सञ्चालन गर्न सक्ने व्यवस्था गरिएको ।
- अनुसन्धान समितिको काम कर्तव्यमा थपघट गरिएको ।
- M.S. by Research, एम.फिल र पिएच.डी.का उमेदवारले साविकमा अनुसन्धान समितिमा आवेदन दिनुपर्ने व्यवस्था रहेकोमा हाल व्यवहारिक सरलताका लागि सम्बन्धित विभाग समक्ष आवेदन दिनुपर्ने व्यवस्था गरिएको ।
- प्त. साविकमा M.S. by Research, एम.फिल र पिएच.डी. दुवैको अस्थायी नाम दर्ता पछि स्थायी नाम दर्ता गर्ने व्यवस्था रहेकोमा प्रस्तुत नियममा एम.फिलको लागि सिधै स्थायी नाम दर्ता गर्ने र पिएच.डी.को लागि अस्थायी / स्थायी नाम दर्ता गर्ने व्यवस्था गरिएको ।
- M.S. by Research, एम.फिल र पिएच.डी.का अनुसन्धानकर्तालाई शुल्क मिनहा वा अन्य सहुलियत प्रदान गर्न सिकने नयाँ व्यवस्था गरिएको ।
- अनुसन्धान समितिले डिन/विभागीय प्रमुख/शोध निर्देशकलाई अधिकार प्रत्यायोजन गर्न सक्ने व्यवस्था गरिएको ।
- ११. मनोनित सदस्यको स्थान रिक्त भएमा सो स्थानको लागि पदपूर्ति गर्ने व्यवस्था गरिएको ।

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# Ph.D. Programs Offered in Various Schools of Kathmandu University

#### **School of Arts**

- Doctor of Philosophy in Development Studies
- Doctor of Philosophy in English
- Doctor of Philosophy in Ethnomusicology
- Doctor of Philosophy in Human and Natural Resources Studies
- Doctor of Philosophy in Languages and Mass Communication
- Doctor of Philosophy in Nepali

#### **School of Education**

- Doctor of Philosophy in Development Studies
- Doctor of Philosophy in Educational Leadership
- Doctor of Philosophy in Early Childhood Development
- Doctor of Philosophy in Language Education
- Doctor of Philosophy in STEAM Education
- Doctor of Philosophy in School Counseling and Psychological Wellbeing

# **School of Engineering**

- · Doctor of Philosophy in Architecture
- Doctor of Philosophy in Civil Engineering
- Doctor of Philosophy in Computer Science and Engineering
- Doctor of Philosophy in Electrical and Electronics Engineering
- Doctor of Philosophy in Geomatics Engineering
- Doctor of Philosophy in Mechanical Engineering

# **School of Management**

Doctor of Philosophy in Management

# **School of Science**

- Doctor of Philosophy in Biotechnology
- Doctor of Philosophy in Chemistry
- Doctor of Philosophy in Environment Science

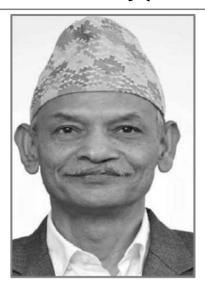
- Doctor of Philosophy in Environment Science Specialization in Glaciology
- Doctor of Philosophy in Environment Engineering
- Doctor of Philosophy in Mathematics
- Doctor of Philosophy in Pharmacy
- Doctor of Philosophy in Physics
- Doctor of Philosophy in Statistics

# **School of Medical Sciences**

• Doctor of Philosophy in Medical Sciences

# First Ph.D. Graduate of Kathmandu University

# Dr. Dal Bahadur Adhikary (1997-2000 AD)



Prof. Dr. Dal Bahadur Adhikary is the first Ph.D. graduate of Kathmandu University, earning his doctorate in Mathematics from Kathmandu University (KU) in September 2000 AD which was conducted in collaboration with the Peoples' Friendship University of Russia (PFUR), Moscow under the joint supervision of Prof. Bhadra Man Tuladhar (KU) and Prof. V. N. Maslennikova (PUFR). Dr. Adhikary had received a scholarship from the University Grants Commission, Nepal for his PhD study at Kathmandu University. His doctoral research entitled 'On the Cauchy Problem for a Sobolev Type System in Hydrodynamics of Rotating Fluid with Heat Transfer' reflects his long-standing interest in function spaces, partial differential equations, and mathematical modeling.

Prof. Adhikary was born in Kolkata, India, in 1955, and pursued his early education in Gulmi and received his higher education under a full government scholarship in Moscow. With over three decades of academic service, he has contributed extensively to Tribhuvan University and other institutions as a dedicated teacher and researcher. He has also served as a visiting faculty member at Kathmandu University, School of Science, Department of Mathematics, where he taught both undergraduate and Intermediate of Science (I.Sc.) courses (July 1991 – Feb 2004).

He is a life member of the Nepal Mathematical Society and a member of the American Mathematical Society. His distinguished career has been recognized

through several honors, including the Mahendra Bidhya Bhusan Padak 'Ka' in 2001 and the Shikshya Puraskar from the Ministry of Education Nepal in 1988, Mahendra Bidya Bhusan Padak 'Kha' in 1983 and Dirgha Sewa Padak (medal for 25 years of service period) by Tribhuvan University in 2007. Prof. Adhikary's scholarly contributions, textbooks, and mentorship have made him a respected figure in Nepal's academic community.

# **Distinguished Honorary Degree Recipients**

In 2011, Kathmandu University awarded its first Honorary Doctor of Letters to **Mr. Satyamohan Joshi**, a prominent author and scholar in Nepalese culture.

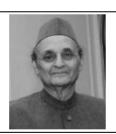
In 2011, the university also awarded an Honorary D. Litt. to **Dr. Karan Singh**, a well-known scholar and statesman from India.

In 2016, the university conferred a D. Litt. upon **Sri Pranab Mukharjee**, the former President of India.

Most recently, in March 2019, Kathmandu University awarded an Honorary Doctorate of Letters to **Prof. Dr. Jean-Claude Badoux**, a distinguished Swiss civil engineer and Honorary President of the Swiss Federal Institute of Technology Lausanne



Mr. Satyamohan Joshi



Dr. Karan Singh



Sri Pranab Mukharjee



Prof. Dr. Jean-Claude Badoux

# **School of Arts**

### School of Arts

# काठमाण्डौ विश्वविद्यालय अनुसन्धान सम्वन्धि निर्देशिका

# पि.एच. डी. (Ph.D) तह

#### १ परिभाषा :

विषय वा प्रसङ्गले अन्य अर्थ नलागेमा यस निर्देशिकामा:

- क) **"विश्वविद्यालय"** भन्नाले काठमाडौँ विश्वविद्यालय ऐन २०४८ वमोजिम स्थापना भएको काठमाडौँ विश्वविद्यालय सम्भन् पर्दछ ।
- (ख) "नियम" भन्नाले काठमाडौँ विश्वविद्यालय अनुसान्धान सम्विन्ध नियम २०६२ सम्फन् पर्दछ ।
- (ग) **"अनुसन्धान समिति"** भन्नाले काठमाडौँ विश्वविद्यालय अनुसन्धान सम्बन्धि नियम २०६२ को नियम २.९ अनुसार गठन गरिएको अनुसन्धान समितिलाई जनाउँछ ।
- (घ) **"विद्यावारिधी (Ph.D)"** भन्नाले विश्वविद्यालयद्धारा प्रदान गरिने विद्यावारिधी (Ph.D) को शैक्षिक उपाधि सम्भनपर्दछ ।
- (ङ) "शोधार्थी" भन्नाले पिएच, डी.तहमा अनुसन्धान गर्ने विद्यार्थी सम्भन्पर्दछ ।
- (च) "शोध निर्देशक" भन्नाले शोध निर्देशन कार्य गर्ने व्यक्तिलाई वा व्यक्तिहरूलाई सम्भन्पर्दछ।
- (छ) **"वास्य परिक्षक"** भन्नाले निर्देशिका अन्तर्गत डीनले मनोनयन गरेको विषयगत वा अन्तर्विषयगत विशेषज्ञलाई सम्भन पर्दछ ।
- (ज) **"शोध परामर्शदाता"** भन्नाले शोध निर्देशकलाई परामर्श दिने विषयगत वा अन्तर्विषयगत विशेषज्ञलाई सम्भन पर्दछ ।
- (भ) "शोधप्रबन्ध" भन्नाले विद्यावारिधी (Ph.D) तहमा अनुसन्धान गर्ने शोधार्थीवाट प्रस्तुत गरिने अनुसन्धनात्मक ग्रन्थ (Thesis) सम्भन् पर्दछ ।
- (अ) "शोध प्रस्ताव" भन्नाले विद्यावारिधी (Ph.D\_ तहको अनुसन्धान कार्यका लागि प्रस्तुत गरिने (Research Proposal) सम्भनु पर्दछ।
- (ट) "तोकिएको वा तोकिए वमोजिम" भन्नाले ऐन अन्तर्गत वनेको नियम निर्देशिकामा तोकिएको वा तोकिए वमोजिम सम्भन् पर्दछ ।

# २. आवेदनको लागि न्युनतम योग्यता

- आवेदनको योग्यता : सामान्यतया १८(१०+२+४+२)वर्षको अध्ययन अवधि र सम्विन्धित विषयमा स्नातकोत्तर तहको परीक्षामा कम्तिमा ६०% अंक वा 4 Point scale मा Cumulative Grade Point Average ३.०० वा सो सरह वा ग्रेडमा B Standard सरह प्राप्त गरी उतीर्ण गरेको हुनुपर्नेछ ।
- यस वाहेका अन्य कुनै शैक्षिक मुल्याँङ्गन प्रणलीवाट आएको खण्डमा विश्वविद्यालयको समकक्षता निर्धारण समितिले आवश्यक निर्णय गर्नेछ ।
- यदी १८ वर्ष भन्दा कमको अध्ययन अवधि भई मास्टर तहको शैक्षिक योग्यता भएको हकमा सम्बन्धित स्कुल वा विभागले तोकेको Bridge Courses वा MPhil Courses अध्ययन पुरा गर्ने गरी पि.एच.डी. को लागि आवेदन लिन सिकने छ तोकिएको Bridge Courses वा MPhil Courses अध्ययन पुरा गरेपछि मात्र पि एच डी मा दर्ता गर्ने प्रकृया सुरू गर्न सिकने छ । तर Thesis विनाको Master Degree मात्र गरेको छ भने १८ वर्ष पुगे पिन MPhil/Bridge course अनिवार्य रूपमा गर्नुपर्ने छ।

#### ३. आवेदन प्रक्या

- सम्बन्धित स्कुल, प्रोग्राम युनिट वा विभागले पि.एच. डि तहमा भर्ना लिने कार्यक्रम वारेमा Website वा प्रचारका अन्य माध्यमवाट वर्षमा विद्यमा २ पटक सार्वजिनक सूचना जारी गर्नेछन् । यस्तो सूचनाहरु आउने सेमेष्टर सुरु हुनु अगाडी गरी सेमेष्टर अनुसार पि.एच.डी. दर्ता गर्नुपर्ने छ ।
- यसरी सुचना जारी गरीसके पछि योग्यता पुगेको उम्मेदवारले तोकिएको अविध भित्र शुल्क बुक्ताई निम्निलिखत नियमानुसारको कागजात सिंहत विभाग, प्रोग्राम युनिट, स्क्ल समक्ष आवेदन दिनुपर्नेछ;
  - ▶ आवेदन फारम (Completed Application form)
  - 🕨 सबै शैक्षिक योग्यताको प्रमाणित प्रतिलिपि
  - 🕨 दुइवटा Academic Reference Letter (Referee आफैले वा शिलवन्दी गरी पठाएको ।
  - 🕨 शोध कार्यका लागि Concept Paper
  - > प्रकाशित वा अप्रकाशित प्राज्ञिक-प्रकृतिका लेख रचना
  - वायोडाटा
  - 🗲 अन्य(सम्बन्धित स्कूल, विभाग वा प्रोगाम युनिटले तोके वमोजिम)

# ३.१ छनौट

- तोकिएको अवधिभित्र संकलित आवेदनहरु सम्बन्धित स्कूल, विभाग वा प्रोग्राम युनिटले जाँच गरी (Screening) गरी न्यूनतम योग्यता पुगे नपुगेको, आवश्यक कागजात भए नभएको र अर्को तहको छनौट प्रकृयामा लैजान आवश्यक भए नभएको निक्यौंल गर्नेछ।
- त्यसपश्चात उम्मेदवारहरुको भाषागत, अनुसन्धानात्मक र विषयगत सीपको मुल्याङकनका लागि लिखित (written), मौखिक (Oral/Interview) वा अन्य प्रकारका परीक्षाहरु सम्वन्धित स्कूल / विभाग वा प्रोग्राम युनिटले संचालन गर्नेछन ।

- लिखित र मौखिक लगायतका परीक्षामा उतिर्ण उम्मेदवारहरुले उनीहरुको शोध प्रस्तावको प्रस्तुति गर्नुपर्नेछ । यस्तो प्रस्तुति संम्वन्धित स्कूल वा विभाग वा प्रोगाम युनिटको संयोजनमा हुनेछ । यस्तो प्रस्तुतीमा सम्बन्धित निकायले अनुसन्धान समितिलाई पनि आमन्त्रण गर्नेछ ।
- अनुसन्धान प्रस्ताव संतोषजनक भएका उम्मेदवारहरुको दक्षता र विशिष्टीकरणको दख्खलको आधारमा प्रस्तावित शोध निर्देशकको नाम सम्वन्धित स्कूल / विभाग वा प्रोग्राम युनिटले स्थायी/अस्थायी दर्ताको लागि अनुसन्धान समिति समक्ष प्रस्ताव गर्नेछन् ।

#### ३.२ नाम दर्ता

- दफा ३.९ अनुसार छनौट गरिएका योग्य उम्मेदवारलाई विभाग वा प्रोग्राम युनिटले सिफारीस गरे अनुसार छानविन गरी अनुसन्धान समितिवाट नाम दर्ता गर्न स्वीकृति प्रदान गरिनेछ ।
- पि.एच. डि तहमा नाम दर्ता भएका उम्मेदवारहरुले शोध निर्देशक वा अनुसन्धान समितिले सिफारिस गरे बमोजिम आवश्यक PhD Coursework एवं अन्य शर्तहरु प्रा गर्न्पर्नेछ ।
- दर्ताका शर्तहरु दुई सेमेष्टर भित्र पुरा गरिसक्नु पर्नेछ सो अवधिमा दर्ताका शर्त पुरा नगर्ने उम्मेदवारको अस्थायी दर्ता रद्द हनसक्नेछ ।
- पुरा समय विश्वविद्यालयमा रिह अनुसन्धानमा संलग्न हुन नसक्ने तर अनुसन्धान गर्न चाहने उम्मेदवारले आंशिक समय शोध कर्ता (Part time PhD Scholar) को रुपमा आवेदन गर्न सक्नेछन्। यसरी आवेदन दिंदा आवेदकले आफ्नो कार्यलय/संस्थाको स्वीकृती पिन संलग्न गर्न पर्नेछ ।
- अनुसन्धान समितिले Ethical Committee को कार्य पिन गर्ने छ । यसका लागि सम्बन्धित विज्ञहरुको समेत सहयोग लिन सक्नेछ । Plagiarism सम्बन्धि छानविन तथा कार्वाही पिन चलाउँन सक्नेछ ।

#### ४. पाठ्यक्रम

- पि.एच.डि. अध्ययनका लागि स्विकृती पाएको शोधकर्ताले शोध निर्देशकको सुपरिवेक्षणमा शोध प्रवन्ध तयार गर्नु पर्दछ । साथै अनुसन्धान समितिले तोके अनुसार अन्य आवश्यक Courses समेत पुरा गर्नुपर्ने छ ।
- पि.एच. डी. तहमा नाम दर्ताका लागि स्वीकृति पाएका उम्मेदवारहरुले पढ्नु पर्ने पाढ्यक्रमका सम्वन्धमा शोध निर्देशकको सिफारीसमा अनुसन्धान सिमितिले निर्णय गर्नेछ । यसरी निर्णय गर्दा उम्मेदवारको शैक्षिक योग्यता, तालिम, अनुभव, प्रकाशन र निजले पिहले पिढसकेको विषयहरुलाई ध्यान दिइनेछ । विषयवस्तु, अनुसन्धानात्मक विधि र सेमीनार सम्वन्धि अन्य उपयुक्त Courses आवश्यकता अनुसार प्रस्ताव गर्न सक्नेछ ।
- यस्ता Course हरु सामान्यतया १५ क्रेडिट सम्म हुन सक्नेछन् तर आवश्यकता अनुसार थप Courses पनि प्रा गर्न पर्ने हन सक्तछ ।

# ५. अध्ययन अनुसन्धानको अवधि

|                | Minimum | Upto | Additional | Maximum |
|----------------|---------|------|------------|---------|
| Full Time (yr) | 3       | 5    | +1         | 6       |
| Part Time (yr) | 4       | 6    | +1         | 7       |

पुरा समयको पि.एच. डि अध्ययनको अवधि दर्ता भएको मितिले कम्तिमा तीन वर्ष र वढीमा ४ वर्षको हुनेछ । आंशिक समय अध्ययनका लागि दर्ता भएका उम्मेदवारले न्युनतम चार र वढिमा ६ वर्षमा आफ्नो शोध प्रबन्ध (Thesis) वुभाउन सक्नेछन्। पुरा समय अनुसन्धान गर्ने उम्मेदवारको हकमा ४ वर्षमा पिन पुरा नभए शोध कार्यको प्रगति हेरी शोध निर्देशकको सिफारीसमा अनुसन्धान समितिले वढीमा १ वर्ष शोध अवधि थप्न सिकनेछ । आंशिक शोध कर्ताले ६ वर्ष भित्रमा वुभाउन नसकेको हकमा शोध कार्यको प्रगति अनुरुप निर्देशकको सिफारीसमा अनुसन्धान समितिले वढिमा १ वर्ष समयाविध थप्न सिकनेछ ।

- अध्ययन अवधि गणना गर्दा अनुसन्धान समितिले स्विकृती दिएपछिको शैक्षिक सत्रको प्रथम दिनको मिति देखि गणना गरीने छ । सम्बन्धित शोधार्थीले भर्ना स्वीकृतिको जानकारी हुनासाथ भर्ना सम्बन्धि प्रकृया अविलम्ब पूरा गर्नुपर्नेछ र शैक्षिक सत्रको सुरुदेखि आफ्नो पि.एच.डी. अध्ययन अनुसन्धान सुरु गर्नुपर्नेछ । अनुसन्धान समितिले भर्ना स्विकृतीको जानकारी सम्बन्धित विद्यार्थी र अन्य उपयुक्त निकायहरुलाई यथासिघ प्रदान गर्नेछ साथै सवै आवश्यक कार्यालयको प्रकृया पुरा गरी शोध प्रबन्ध डीन कार्यालयमा बुकाएको मितिलाई अन्तिम मिति गणना गरिने छ ।
- पुरा समय अध्ययन गर्ने उम्मेदवारले छैटौं वर्ष र आंशिक समय अध्ययन गर्ने उम्मेदवारले सातौ वर्षमा
  पिन अध्ययन सम्पन्न नगरेको खण्डमा निजको दर्ता स्वतः खारेज हुनेछ ।
- थिपएको शोधअवधिको लागि शोधकर्ताले तोकिएबमोजिको १ वर्षको शुल्क बुकाउन्पर्नेछ ।

#### ६. उपस्थिति

- शोध निर्देशकको सिफारीसमा सम्बन्धित विभाग /Program unit ले अनुसन्धानमा संलग्न रहनुपर्ने समय निर्धारण गरी त्यसैको आधारमा उपस्थिति तोक्नेछ ।
- पुरा समय काम गर्ने पि.एच.डि उम्मेदवारहरूको शोध विशिष्टताको आधारमा Teaching/Research Assistantship को Visiting Lecturer सरहको व्यवस्था गर्न सिकनेछ ।
- यसो गर्दा ३ वर्षमा वढीमा तीन कोर्ष (९ क्रेडिट) वरावरको work load हुने गरी व्यवस्था गर्न सिकनेछ
   । यस्तो Assistantship को पारिश्रामिक प्रदान गरिने छ ।
- आंशिक शोधार्थीहरूले स्कूल /विभागले तोकेबमोजिमको न्यूनतम उपस्थिति पूरा गर्नुपर्दछ ।

# ७. शोध निर्देशक /शोध निर्देशन समिति

 सम्बन्धित विषयमा विशेषज्ञता भएका एसोसियट प्रोफेसर वा सो भन्दा माथिल्लो तहमा कार्यरत विश्वविद्यालयको प्याकिल्टलाई शोध निर्देशकको रुपमा सम्बन्धित विभाग वा Program unit को सिफारीसमा अनुसन्धान समितिले शोध निर्देशकको रुपमा तोक्नेछ ।

- शोधको आवश्यकता हेरी बिढमा तीनजना सम्मको शोध निर्देशन समितिको व्यवस्था गर्न सिकनेछ ।
   यसो गर्दा एक जना स्परभाइजर र अन्य सह स्परभाइजर रहने छन् ।
- अनुसन्धान समितिले आवश्यकता र व्यक्तिगत दक्षताको आधारमा असिस्टेन्ट प्रोफेसर वा सो सरहको व्यक्तिलाई समेत Supervisor/Co-Supervisor को रुपमा तोक्न सक्नेछ ।
- शोध विषयको प्रकृती अनुसार विश्वविद्यालयका भिन्न स्कूलका शिक्षकहरु शोध Supervisor/Co-Supervisor रहन सक्ने छन् ।
- विश्वविद्यालय सेवा भन्दा वाहिरका उपयुक्त व्यक्तिलाई समेत Supervisor/Co-Supervisor को रूपमा राख्न सिकनेछ ।
- एक जना Supervisor/Co-Supervisor को सुपरीवेक्षणमा एक समयमा वढीमा ५ जना पि.एच.डी शोधकर्ता हन सक्ने छन् ।

# 5. शोध निर्देशन समिति / शोध Supervisor/Co-Supervisor को काम कर्तव्य

- शोधकर्तालाई अनुसन्धान कार्यमा आवश्यक मार्गदर्शन गर्ने, शोधपत्रको Review गर्ने र सुधारका उपायहरु स्माउने ।
- शोधकर्ताको कार्य विवरण राख्ने, नियमित सर्म्पकमा वस्ने, अनुसन्धानको प्रगति जानकारी चुस्त दुरुस्त राख्ने ।
- प्रत्येक ६/६ महिनामा शोधकर्ताको प्रगति विवरण स्कूल, विभाग र अनुसन्धान समिति समक्ष पेश गर्ने।
- अनुसन्धान समितिलाई शोध अनुसन्धान सम्बन्धि राय दिने ।
- अनुसन्धान समिति समक्ष वाह्य परिक्षकको नामावली सिफारीस गरी पठाउने ।
- तोकिएको अन्य कार्य गर्ने ।

# ९. शोधकार्यको स्थानान्तरण

शोधकर्तालाई आवश्यक परेमा शोध निर्देशकको सिफारीसमा डिनले स्वदेश तथा विदेशका तोकिएका स्थान वा स्थानहरुमा तोकिएको अविध सम्म अनुसन्धान कार्य अघि वढाउन अनुमित दिन सक्नेछ । यसैगरी अन्य उपयुक्त वि.वि. / सस्थानहरुबाट आर्जन गरिएका उपयुक्त Course Credits पिन तोकिए अनुसार Transfer गर्न अनुसन्धान सिमितिले निर्णय गर्न सक्नेछ ।

# ९०. अन्यत्र नियुक्ति र अध्ययनमा वन्देज (Full time को हकमा)

- अनुसन्धानको अवधिमा कुनै पिन शोधार्थीले अनुसन्धान सिमितिको पूर्व स्वीकृति विना अनुसन्धान अतिरिक्त अन्य कामका लागि अन्यत्र निय्क्ति लिन पाउने छैन।
- शोधकर्ताले अनुसन्धान अविधमा अनुसन्धान समितिको पूर्व स्वीकृति विना विश्वविद्यालय वा सार्वजनिक संस्थानद्धारा संचालित अन्य विषयको पाढ्यक्रमको कुनै पिन परीक्षामा सिम्मिलित हुन पाउने छैन । तर आफ्नो शोध संग सिम्बिन्धित तालिम, गोष्ठी, कार्यशालामा भागिलन र सम्बन्धित स्कूल/विभागले तोकेको काम गर्न बन्देज हुने छैन् ।

# ११. प्रगति विवरणको मुल्याङकन

शोधकर्ताले कम्तीमा ६/६ महिनामा आफ्नो अध्ययनको प्रगती विवरण शोध निर्देशकको सिफारिस सहित अनुसन्धान समितिलाई बुभाउने छ ।

- शोधकर्ताको शोधकार्यको निरन्तर प्रगतिको अपेक्षा गरिन्छ। अनुसन्धान समितिले शोधकर्ताको प्रगति विवरणको मुल्याङकन ६/६ महिनामा गरी सुधार गर्नुपर्ने कुराको वारेमा अवगत गराउनेछ। सम्बिन्धित विभाग / युनिटले पनि प्रगति review समय सम्ममा गर्ने छ।
- लगातार तिन पटक सम्म संतोषजनक प्रगित नपाइएको अवस्थामा शोधकर्ताको दर्ता खारेज हुन सक्नेछ

# १२ (क) शोधकर्ताको प्रगति मुल्याङकनका आधारहरू

- शोधकर्ताको मुल्याङकनलाइ वढी भन्दा वढी पारदर्शी वनाउन आधारहरू तोक्न सक्नेछ:
- शोधकर्ताले नियमित रुपले आफ्नो अनुसन्धानको वारेमा शोध निर्देशकलाइ सु-सूचित गर्नुपर्नेछ ।
- शोधकर्ताले शोध अविधमा कम से कम दुईवटा राष्ट्रिय स्तरको सभा सम्मेलन गोष्ठीमा आफ्ना शोध कार्यको प्रस्त्ति गर्न्पर्ने छ ।
- शोधकार्यको अविधमा अनुसन्धानसँग सम्बन्धित कम से कम दुई वटा रिसर्च पेपर Peer Reviewed जर्नलमा प्रकाशित गरेको हुनु पर्नेछ । यस्तोमा एउटा प्रकाशन Impact Factor भएको Indexed/UGC Nepal Listed सम्बन्धित स्कूलले तोकेको जर्नलमा प्रकाशित गर्नुपर्नेछ ।

# १३ (ख) अनुसन्धान कार्यबाट विदा

- देहायको अवस्थामा शोधकर्ताले यथेस्ट प्रमाण सहित अनुसन्धान कार्यवाट विदा लिन सक्नेछन ।
- दैवी विपत्ति राष्ट्रिय समस्या परेमा
- विरामी भएमा
- सुत्केरी भएमा
- पारीवारीक समस्या
- अन्य समस्या
- यसरी लिइने विदा विदा अधिकतम १ वर्ष सम्मको हुनेछ । यसरी लिइने विदा सामान्य अविधमा थप भए पिन अधिकतम समयमा भने थप हुने छैन ।

# १४. शोधप्रवन्ध (Thesis)

 शोधप्रवन्ध सामान्यतया अंग्रेजी भाषा हुनेछ । तर विषयवस्तुको प्रकृति र अनुसन्धानको विधा हेरी शोध प्रवन्धको माध्यम भाषा फरक पर्न सक्नेछ । उदाहरणको लागि नेपाली भाषा र साहित्यको विधामा गरिने अनुसन्धानको माध्यम भाषा नेपाली हुन सक्नेछ। अंग्रेजी वाहेक अन्य भाषामा शोध प्रवन्ध तयार गर्न परेमा सम्वन्धित अनुसन्धान समितिको स्वीकृति लिनुपर्नेछ ।

# १५. शोध प्रवन्धको तयारी र प्रस्तुति

- शोध प्रवन्धको ढाँचा नियमले तोके बमोजिम हुनेछ । सम्बन्धित अनुसन्धान समितिले उपयुक्तता अनुसार ढाँचामा adjustment गर्न सक्नेछन् ।
- शोध प्रवन्धको ढाचा अनुसूची १ मा रहको छ ।

- अन्सन्धान समितिले आवश्यकता अनुरुप Specific style guidelines स्वीकृत गर्नेछन् ।
- शोधकर्ताले तोकिएको समयाविध भित्र आफ्नो शोध प्रवन्ध शोध निर्देशक र विभागीय प्रमुख / Program unit को सिफारीस सहित डिन समक्ष पेश गर्न पर्नेछ ।
- शोधकर्ताले आफ्नो अनुसन्धान कार्य सिकएपछि शोधपत्र निम्न अनुसार पेश गर्नु पर्नेछ ।
  - > २ प्रति प्रिन्ट गरीएको शोधपत्र, एक इलेक्ट्रोनिक प्रति समेत
  - > आफ्नो अनुसन्धानले दिएको देनको प्रकृति र प्रमुख रुपरेखा दर्शाइएको सारांश (synopsis)
  - 🕨 शोध निर्देशकहरु / विभाग / Program unit वाट प्राप्त सिफारीस
  - 🕨 शोध सम्बन्धि प्रकाशित कृतीहरु

#### १६. वाह्य परीक्षक

शोध निर्देशकले विभागिय प्रमुख / Program unit को परामर्शमा संभाव्य वाह्य परीक्षकहरुको नाम अनुसन्धान समिति समक्ष पेश गर्नेछन्। यसरी प्रस्तावित नाम मध्ये २ जनालाई डिनले वाह्य परीक्षक नियुक्ति गर्नेछन्। कम्तीमा १ जना बाह्य परीक्षक विदेशी विज्ञ हुनुपर्ने छ। विशेष अवस्थामा जस्तै नेपाली साहित्यमा अनुसन्धान समितिले तोके बमोजिम वाह्य परीक्षक नियक्त गरिनेछन्।

# १७. परीक्षा र मुल्याङकन

- शोध प्रवन्ध परीक्षणको लागि सिफारीस गरीएका मध्येवाट दुइजना विशेषज्ञलाई छनौट गरी सम्बन्धित स्कूलका डिनले मूल्यांकनका लागि Thesis पठाउने । Thesis मूल्यांकनको ढाँचा अनुसूची २ अनुसारको हनेछ ।
- सम्बन्धित विशेषज्ञहरुकोमा शोध प्रबन्ध पठाउदा सामान्यतया ६ हप्ता भित्रमा मुल्याङकन प्रतिवेदनको अपेक्षा सहित मुल्याङकनका प्रावधानहरु तोकिदिन् पर्नेछ ।

# १८. मुल्याङकनका आधारहरु/प्रावधानहरु

शोध प्रवन्धको मुल्याङकनका आधारहरु अनुसुचि ३ मा तोकिएको अनुसार हुनेछ। अनुसन्धान मुल्याङकन गर्दा देहायका वुँदाहरुलाई प्राथमिकता दिन् पर्नेछ।

- अनुसन्धानको मौलिकता
- शोध विधीको प्रयोग
- विद्यमान वा नयाँ ज्ञान संग तथ्यको अन्तरसंम्बन्धको व्याख्या
- सम्बन्धित विषयका ज्ञानको क्षेत्रमा नयाँ आयाम
- भाषिक शृद्धता
- शोधपबन्धको स्वरूप
- शोध प्रवन्धको प्रस्तुतीकरण
- Ethical Standard को पालना

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# १९. शोध प्रवन्धको स्वीकृति

- दुवैजना वाह्य परीक्षकले परीक्षण र मुल्याडकन गरी स्वीकृत गरेमा शोध प्रवन्ध स्वीकृत भएको ठहर्नेछ
- दुईजनामा एक जनाले अस्वीकृत गरेमा तेस्रो परीक्षकवाट मुल्याङकन गराउनु पर्नेछ ।
- शुरुका दुवैजना वा तेस्रो परीक्षकवाट अस्वीकृत भएको अवस्थामा अनुसन्धान समितिले शोधकर्तालाई प्न काममा लगाउने वा निजको रिजिष्ट्रेशन खारेज गर्न सक्नेछ।

# २०. शोध प्रवन्धको आंशिक स्वीकृति

- परीक्षणहरु मध्ये दुवै वा एकले शोध प्रवन्धमा मुख्य संरचनागत परीवर्तन गर्न औल्याएमा शोधार्थीले पुन संशोधन गरी मुल्याङकनका लागी पेश गर्नु पर्नेछ।
- परीक्षणहरु मध्ये दुवै वा एकले शोध प्रवन्धलाई सामान्य सुधार सिंहत स्वीकृत दिएको खण्डमा उक्त स्थार गरी शोध निर्देशक मार्फत मौखिक परीक्षाका लागि पेश गर्न सिकनेछ।

# २१. परीक्षण समिति

दुवै परिक्षकबाट शोध प्रवन्धन स्विकृती प्राप्त भएपछि अनुसन्धान समितिले मौखिक परिक्षा (viva-Voce) को व्यवस्था गर्ने छ । मौखिक परिक्षाको मुल्याङ्गनका लागि डिनले परिक्षण समिति गठन गर्नेछन्

| डीन             | (अध्यक्ष) |
|-----------------|-----------|
| विभागिय प्रमुख  | (सदस्य)   |
| बाह्य परिक्षक   | (सदस्य)   |
| आन्तरिक परीक्षा | (सदस्य)   |
| शोध निर्देशक    | (सदस्य)   |

मौखिक परिक्षा (viva-Voce) उत्तीर्ण भएको परीक्षण समितिको सिफारिस अनुसार डिनले परीक्षाफल परीक्षा नियन्त्रकको कार्यालयमा पठाउँनेछन् । परीक्षा नियन्त्रण कार्यालयबाट परीक्षाफल प्रकाशित गरिनेछ मौखिक परिक्षावारे सार्वजनिक सूचना गरिने छ ।

# Testimonial from the First Ph.D. Graduate of School of Arts

#### Dr. Anita Bhattarai-Ghimire



I am currently working as an executive director and team leader for social research at Nepal Institute for Social and Environmental Research—a think tank working with national and international partners on social and environmental research. I am thankful to KUSOA for the opportunity. The PhD opened my eyes to academia and I have been pursuing my career in research since then working with think tanks and universities in Nepal, South Asia and beyond while also producing reports, engaging in programme and policy uptake works, conducting monitoring and evaluation of programmes, reviewing journal articles and teaching. Besides, the above, I have also been working with universities to develop educational products and non-academic knowledge products such as short animated videos.

# List of Ph.D. Graduates

| Name                   | Anita Bhattarai-Ghimire   |
|------------------------|---|
| Dissertation Title     | Social and territorial impacts of armed conflict induced displacement and livelihood of IDPS in Nepal |
| Supervisor (s)         | Dr. Bishnu Raj Upreti, Prof. Sagar R. Sharma  |
| Program                | Human and Natural Resources Studies   |
| <b>Enrollment Year</b> | 2006  |
| <b>Completion Year</b> | 2010  |
| Current Affiliation    | Executive Director, Nepal Institute for Social and Environmental Research (NISER)                     |
| Mode                   | Full Time   |
| Email Address          | bhattarainitu@gmail.com   |

| Name                       | Purna Bahadur Nepali   |
|----------------------------|--|
| Dissertation Title         | Landlessness, livelihood insecurity and social conflict in Far-Western region of Nepal with special focus on Dalit |
| Supervisor (s)             | Prof. Dr. Kailash Nath Pyakuryal, Prof. Sagar R. Sharma  |
| Program                    | Human and Natural Resources Studies  |
| <b>Enrollment Year</b>     | 2007   |
| <b>Completion Year</b>     | 2011   |
| <b>Current Affiliation</b> | Ambassador of Nepal for Srilanka and Maldives  |
| <b>Email Address</b>       | purna@kusom.edu.np   |

| Name                       | Pranil Kumar Upadhayaya   |
|----------------------------|---|
| Dissertation Title         | Tourism amidst armed conflict in Nepal:Consequences, copings and contribution to peace-building |
| Supervisor (s)             | Dr. Bishnu Raj Upreti, Prof. Sagar R. Sharma, Prof. Dr. Laurent Goetschel                       |
| Program                    | Development Studies   |
| <b>Enrollment Year</b>     | 2007  |
| <b>Completion Year</b>     | 2013  |
| <b>Current Affiliation</b> | Tourism Coordinator in Trail-based Tourism Development Project (TTDP)                           |
| Email Address              | pranilnepaldr@gmail.com   |

| Name                       | Lochan Rizal  |
|----------------------------|---|
| <b>Dissertation Title</b>  | Transmission of music in Nepal: The Gandharva tradition |
| Supervisor (s)             | Prof. Dr. Gert Matthias Wegner                          |
| Program                    | Ethnomusicology   |
| <b>Enrollment Year</b>     | 2008  |
| <b>Completion Year</b>     | 2014  |
| <b>Current Affiliation</b> | Head of Department of Music, Kathmandu University       |
| Email Address              | lochan.rijal@ku.edu.np                                  |

| Name                       | Hem Raj Kafle   |
|----------------------------|---|
| Dissertation Title         | April movement and editorial representation: A rhetorical reading of 'The Kathmandu Post' and 'The Himalayan Times' |
| Supervisor (s)             | Prof Dr Meenakshi Raman, Dr. Dharma Adhikary  |
| Program                    | English   |
| <b>Enrollment Year</b>     | 2009  |
| <b>Completion Year</b>     | 2015  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Director, Academic Excellence, Kathmadu University  |
| Mode                       | Part Time   |
| <b>Email Address</b>       | hrk@ku.edu.np   |

| Name                   | Nirmal Kumar Bishokarma  |
|------------------------|--|
| Dissertation Title     | Food security in resource scarce area: The quest for inclusion of marginal groups in the Far Western region of Nepal |
| Supervisor (s)         | Dr. Sagar Raj Sharma, Dr. Ulrike Müller-Böker, Dr. Babar Shahbaz   |
| Program                | Development Studies  |
| <b>Enrollment Year</b> | 2010   |
| <b>Completion Year</b> | 2016   |
| Full Thesis Link       |  |

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| Name                       | Binayak Krishna Thapa   |
|----------------------------|---|
| Dissertation Title         | Migration, development and citizenship: An ethnographic case study of Bhojpur VDC in Eastern hills of Nepal |
| Supervisor (s)             | Dr Sagar Raj Sharma, Dr. Jytte Agergaard  |
| Program                    | Development Studies   |
| <b>Enrollment Year</b>     | 2012  |
| <b>Completion Year</b>     | 2017  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Acting Head of Department of Development Studies, Kathmandu University                                      |
| Mode                       | Full Time   |
| Email Address              | binayak.thapa@ku.edu.np   |

| Name                   | Mahendra Sapkota   |
|------------------------|--|
| Dissertation Title     | Rise of ethic movements and contested rural development in Nepal: Case study of the Tharu Movement |
| Supervisor (s)         | Dr. Prabin Manandhar, Dr. Urs Geiser, Prof. Dr Sagar Raj Sharma                                    |
| Program                | Development Studies  |
| <b>Enrollment Year</b> | 2011   |
| <b>Completion Year</b> | 2017   |
| Full Thesis Link       |  |
| Email Address          | mahendra_sapkota27@yahoo.com   |

| ame                        | Khagendra Acharya   |
|----------------------------|---|
| Dissertation Title         | The rendition of Trauma in Maoist conflict literature     |
| Supervisor (s)             | Prof. Dr. Abhi Subdedi                                    |
| Program                    | English   |
| <b>Enrollment Year</b>     | 2011  |
| <b>Completion Year</b>     | 2017  |
| <b>Current Affiliation</b> | Associate Dean, Kathmandu University School of Management |
| Mode                       | Part Time   |
| Email Address              | khagendra@ku.edu.np                                       |

| Name                       | Ram Chandra Paudel  |
|----------------------------|---|
| <b>Dissertation Title</b>  | विद्वद्वरोमणि पं. कुलचन्द्र गौतमको जीवनी, व्यक्तित्व र कृतित्व        |
| Supervisor (s)             | डा. रामप्रसाद तिवारी , डा. आमोदवर्द्धन उपाध्याय, प्रा.डा. जङ्गव चौहान |
| Program                    | Nepali  |
| <b>Enrollment Year</b>     | 2013  |
| <b>Completion Year</b>     | 2018  |
| <b>Current Affiliation</b> | Associate Professor, Kathmandu University                             |
| <b>Email Address</b>       | ramchandra@ku.edu.np  |

| Name                       | Hritika Rana   |
|----------------------------|--|
| Dissertation Title         | Nexus between feminisation of agriculture, transition, and women's empowerment |
| Supervisor (s)             | Dr. Krishna Prasad Pant, Prof. Dr. Sagar R. Sharma, Prof. Mahesh Banskota      |
| Program                    | Development Studies  |
| <b>Enrollment Year</b>     | 2014   |
| <b>Completion Year</b>     | 2019   |
| Full Thesis Link           | ・ できない。 ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・                                  |
| <b>Current Affiliation</b> | Researcher, University of Lausanne   |
| Mode                       | Full Time  |
| Email Address              | ranahritika@gmail.com  |

| Name                       | Sony KC  |
|----------------------------|--|
| Dissertation Title         | Agricultural transition in the Eastern Hills of Nepal: The interlink between commercial Cardamom farming, women's livelihood and empowerment |
| Supervisor (s)             | Prof. Dr. Sagar R. Sharma, Dr. Bishnu Raj Upreti   |
| Program                    | Development Studies  |
| <b>Enrollment Year</b>     | 2014   |
| <b>Completion Year</b>     | 2019   |
| Full Thesis Link           |  |
| <b>Current Affiliation</b> | Research Coordinator, Himalaya Centre for Asian Studies, Kathmandu University  |
| Mode                       | Full Time  |
| <b>Email Address</b>       | sonykayc@gmail.com   |

| Name                   | Laxmi Dhungel  |
|------------------------|--|
| Dissertation Title     | Gender and return migration: An ethnographic study of the educated returnee women in Nepal |
| Supervisor (s)         | Prof. Dr. Sagar Raj Sharma, Dr. Uddhab Pyakurel, Dr. Karen Valentin                        |
| Program                | Development Studies  |
| <b>Enrollment Year</b> | 2012   |
| <b>Completion Year</b> | 2019   |
| Full Thesis Link       |  |
| <b>Email Address</b>   | laxmi.dhungel23@gmail.com  |

| Name                       | Sushant Acharya   |
|----------------------------|---|
| Dissertation Title         | Women in high-value agriculture: Changing gender roles in large cardamom value chain in Eastern Nepal |
| Supervisor (s)             | Dr. Sagar Raj Sharma, Dr. Bishnu Raj Upreti   |
| Program                    | Development Studies   |
| <b>Enrollment Year</b>     | 2017  |
| <b>Completion Year</b>     | 2023  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Program Director, Southasia Institute of Advanced Studies   |
| Mode                       | Full Time   |
| Email Address              | sushant11bgl@gmail.com  |

| Name                       | Gyanu Maskey  |
|----------------------------|---|
| Dissertation Title         | Water insecurity in the era of urbanization and climate change: Insights from Dharan and Dhulikhel, Nepal |
| Supervisor (s)             | Dr. Chandra Lal Pandey Prof. Roshan Man Bajracharya   |
| Program                    | Development Studies   |
| <b>Enrollment Year</b>     | 2017  |
| <b>Completion Year</b>     | 2025  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Researcher, Southasia Institute of Advanced Studies   |
| Mode                       | Full Time   |
| Email Address              | maskeygyanu@gmail.com   |

# **School of Education**

# Kathmandu University School of Education (KUSOED)

Guidelines for Doctor of Philosophy (PhD) Programs 2023

Doctor of Philosophy (PhD) in Education (three years full-time equivalent) is a rigorous, advanced study program. KUSOED also has the provision of part-time PhD study, especially for in-house faculty and staff, and other working professionals who take this option. Their study duration is eight years (maximum) and time for submission is after the completion of four years. Other provisions/conditions are same as mandated to the full-time students.

This program is intended to produce graduates with the capacity to conduct research independently at a high level of originality and quality. By the end of the degree program, the PhD students will be capable of independently designing and executing original research that generates a body of new knowledge.

#### Application Process

Applications for PhD Program are open all year round though admission is normally announced for the Spring intake. All applicants are expected to demonstrate capability and interest to carry out independent research and have adequate training and ability to pursue the desired PhD program.

#### Eligibility

- At least 17 years of schooling with a master's degree, preferably with MPhil (or MPhil equivalent)
   degree from the university recognized by Kathmandu University;
- Demonstrated competency in the English language;
- · CGPA 3.25 on a four-point scale or 60% in aggregate in the previous degree
- For those working full-time should produce a consent letter from their offices.

#### **Application Process**

- Identify/communicate with a Professor/Associate Professor/Assistant Professor within KUSOED to
  proceed with the application for the PhD candidate's position; OR
  Apply to the desired program when admission is announced.
- · The applicant must submit the following:

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- A duly filled admission application in a form provided by the School;
- Two references from academic referees;
- A fully developed research proposal of around 4000 words (written in English);
- A 5000 words research paper (preferably a published sample) on any topic (written in English);
- If the concerned professor is satisfied, s/he will recommend the proposal to the Research Committee;
   or the Research Committee will select the suitable candidate(s) from among the applicants after the evaluation of the research proposal(s) and relevant documents.
- · The Research Committee will consider the following aspects while making its evaluation:
  - Past academic records
  - Research proposal
  - Writing ability [written test/sample written essay]
  - References
  - o Relevant work experience
  - o Interview performance
  - o Presentation based on the research proposal
  - 5000-word paper on any subject (published or unpublished)

#### The PhD Process

All students who join PhD program at KUSOED must fulfill specific requirements to get an award of a PhD. The requirements to be fulfilled to get PhD award are: completing designated courses, successfully completing qualifying papers, publishing (at least two) articles in peer-reviewed journals, presenting in national/international conferences (at least two), and writing and defending the thesis. The following sections explain these requirements in detail.

#### Completing Course Requirements, if any

The respective Head of the Department (HoD) and/or supervisor(s) may recommend the courses to be taken.

#### Preparing and Defending the Research Proposal

After the enrollment, the PhD students start working on a full research proposal in their area of specialization with support from the provisional supervisor and the Head of their respective Department or with some other faculty members assigned by the Head. The students must submit their well-developed research proposals to the Head of their respective Department by the first month of the second semester. The proposal should be developed as a detailed document containing the roadmap of the study

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and, thus, should give sufficient detail to allow a reader to ascertain the research intentions unambiguously. KUSOED welcomes a creatively designed research proposal. The fully developed research proposal may include an introduction of the agenda, problem statement, a statement of purpose, research questions, literature review, and the research roadmap. The students can develop their proposals and design the subtitles creatively.

The Head of the Department will then assess the proposal and, if found satisfactory, recommend its presentation to the Research Committee. The presentation date is fixed by the Head after consultation with the Dean. The student will make an oral presentation of about 20 minutes, followed by questions, comments, observations, and advice from the Research Committee. The student should defend her/his work by responding to all the questions.

If satisfied with the student's written proposal and oral presentation, the Research Committee will approve the proposal with or without suggestions for improvement. The Committee might also ask the student to re-present her/his proposal if the minimum requirements are not met. The Committee will indicate areas where improvements are needed both in the proposal and in oral presentations in such a case. If the student cannot satisfy the Committee even during her/his second presentation, the Committee might decide whether the student needs some additional exposure and practice in research proposal development. If the student cannot get the proposal approved within a year (two years for part-time students) from the date of admission, her/his PhD registration may be cancelled by the Research Committee through a due process.

#### **Completing Qualifying Papers**

When the research proposal is approved, they further have to write and defend two qualifying papers within the second year (three years for the part-time students). Students are expected to develop a sound theoretical/conceptual knowledge base on aspects of research methodology and their research domain while writing and defending the papers. The papers' clarity, argumentation and originality, coverage, organization and language, and citation and references will be considered in the evaluation. In case of failure to defend the qualifying papers on the first attempt, a student will get an additional opportunity. If a student cannot pass even after appearing in qualifying tests the second time, the student will be considered unsuccessful and lose their PhD candidacy and studentship. Successful completion of defending papers is essential because students will be considered PhD candidates only when they complete these requirements. This is to say, actual PhD research work begins only after completing these examinations.

Publishing Articles in Peer-Reviewed Journals

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After getting enrolled in the PhD program, all students must prepare and publish at least two academic papers in any peer-reviewed journal(s). Students are also encouraged to get their works published in indexed journals. Before sending their papers to any peer-reviewed journal, they must get the approval of their Department and supervisors. This ensures that students select only good quality and reputed academic journals for publishing their articles. Emphasis on publishing papers in peer-reviewed and globally recognized indexed academic journals is to enable and encourage the research students to communicate with national/international learning communities and build their confidence in participating in academic discourses. Articles published before getting enrolled in the PhD program and not related to their PhD study area are not considered for the purpose. In case of any doubt about whether any paper is students' PhD topic related or not, the Research Committee's decision will be final. Among two articles that should be published, one is expected to be methodological/theoretical aspects of the student's research domain, and the other on the theme the student will be exploring. The publication of papers in a peer-reviewed journal is an individual task. However, publishing jointly with the supervisor(s) is encouraged.

#### Presenting at National and International Conferences

A PhD student must present at least two papers in national and international seminars. The papers must be derived directly from their PhD study. Papers presented before getting enrolled on the PhD and papers presented on topics other than their study theme(s) are not accepted. In case of any doubt about whether any paper is related to students' PhD topics or not, the Departmental decision will be final. Presentation of papers in national/international seminars is an individual task. However, papers presentation jointly with the supervisors (the student should be the first author) is encouraged.

#### PhD Thesis

A PhD thesis is the reporting of original research that meets the scholarly standards of the field and communicates research outcomes in writing clearly and convincingly to other scholars and related disciplines. The originality of the theme, contribution to knowledge building, a discussion of existing knowledge, a detailed discussion of the methodology adopted, theoretically backed analysis of findings/results, and implications of the study are some of the important aspects considered to evaluate PhD theses. Simple but scholarly and academic language, proper coherence and organization of the thesis, and appropriate formatting and referencing style as prescribed by KUSOED are also important aspects to be considered.

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#### Working under the Guidance of the Supervisors

Once the PhD proposal of a student is finalized, the Dean will assign the student one or more Supervisors to support them in their thesis writing. If there are two or more Supervisors, one may be asked to act as the primary supervisor. However, all Supervisors can support the student in their own capacity and equal role. The Research Committee will decide the role if required.

The concerned students can also express their desire to work with a particular Supervisor(s). However, assigning Supervisor(s) mainly depends on their expertise and availability, and they should be at least working as Assistant Professors or at par that level with a PhD degree. The decision of the Research Committee chair is final in this regard.

The role of the Supervisor(s) is to facilitate students throughout the process of carrying out PhD research. Supervisors help students in several ways, such as supporting in conceptualizing their work and actualizing those concepts, putting them on track throughout the entire research work, reading students' writing, and advising for further improvement. It is natural for the Supervisor(s) to comment on the draft chapter writings of the students several times before the thesis becomes good enough to be submitted for external evaluation and final viva voce. Hence, it is the responsibility of the student to work closely under the guidance of the Supervisor(s). Students must maintain regular contact with Supervisors during the entire research work.

#### PhD Schedule and Progress Report

To maintain the direction and persistence of PhD studies, each PhD candidate must make a progress presentation and submit a written report two times a year in a prescribed format (February and August). If the progress report is not submitted timely or the students do not appear to share their progress in the assigned date, the Dean, upon the recommendation of the concerned Department, might decide to cancel her/his registration. In such a case, the student will lose the student status in the PhD program of KUSOED.

Supervisors also must submit their evaluation report to the Head of the respective Department and the Dean on the students' work and progress every February. If the student cannot maintain the previously agreed schedule, s/he must give a satisfactory explanation for the delay.

#### Field Work and Thesis Drafting

After the students complete data collection, they need to analyze the data and prepare the final draft under the close guidance of their respective supervisors. After the supervisors agree on the quality of the draft, the document will be forwarded by the supervisors to the Head of their respective Departments

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for departmental presentation. Before submitting the draft thesis for the purpose of departmental viva, students should properly format their theses as per the style guidelines prescribed by KUSOED. Likewise, students should also get the thesis thoroughly edited at the Writing and Communication Center (WCC). The Head organizes a departmental viva to which all the faculties and PhD students will be invited. After the feedback from the departmental viva is incorporated, the Head will submit the thesis to the Office of the Dean for external evaluation. The thesis submitted for examination should satisfy the following requirements:

- o It must in general be between 40 thousand to 80 thousand words;
- It must be an independent and original piece of individual research work;
- o It must have made knowledge contribution to its area of the research:
- It must have clarity in research purpose and must have achieved its stated purpose;
- It must be conceptually/theoretically sound;
- It must have used appropriate methodology as per the research problem and have methodological coherence;
- It must be referential and must show the evidence of capturing the existing knowledge in the area of the research carried out;
- It must be satisfactory in terms of its language and presentation;
- It must be written in English following the format and style prescribed by KUSOED. The Abstract of the thesis must also be included in the Nepali language.

KUSOED allows library-based Ph.D. studies. These types of research are generally theoretical or philosophical mainly derived from the existing literature. However, students must convince the research committee that they can carry out such research. PhD studies based on secondary data are also allowed. In such research, students use the data collected by other agencies/individuals for their purposes. Regional and national surveys like National Population Census, Nepal Living Standard Survey, etc. and databases (maintained by different international and national agencies) are some of the important sources for secondary data. While basing their study on these secondary sources, students must be aware of the aspects like relevance, applicability, and usability of the data.

#### **Evaluation by External Examiners**

There will be two external examiners for a PhD thesis review. The examiners are appointed by the Dean from among the pool of experts (both national and international) in KUSOED's contact. The examiners are selected by the Dean mainly on the basis of their expertise in the subject matter and the methodological approach applied in the thesis being evaluated. Generally, the examiners will have four

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weeks' time to evaluate the thesis. They will examine the thesis focusing on knowledge contribution, originality, theoretical clarity and soundness, methodological rigor, argumentation, substantiation and referencing, organization, coherence and flow, language and presentation, etc. (See Annex). After the evaluation of the thesis, both Examiners will provide their evaluation report separately, giving their opinion on the overall quality of the thesis and, specifically, on the above-mentioned points.

Based on the Examiners' recommendations, the Office of the Dean decides whether the thesis needs further improvement before a public presentation. In case further works are recommended, students should do additional works and re-submit the thesis working under the guidance of the Supervisors. If the Supervisors find that the comments are well adjusted, the thesis is considered ready for a preliminary defense, which is carried out as a public viva.

In case both or one of the examiners find the thesis unsatisfactory, the Dean appoints other reviewer(s). If the thesis is found unsatisfactory even in the second round of review, the PhD candidacy of the student will be terminated.

#### Defending the Thesis

After the departmental presentation, students have to defend the thesis in two phases. First, there will be a preliminary or public defense, in which a wider audience – academics, professionals, and students – are invited. The purpose of the preliminary defense is to disseminate the novel findings of the research and receive a diversity of comments, observations and feedback.

The preliminary defense involves a 40-minute presentation from the candidate, followed by questions and feedback from the audience. On this date, the candidate is asked to distribute printed copies of the abstract and presentation slides. Likewise, they should also bring all their raw data (for example, filled-in questionnaires, observation sheets, checklists, interview notes, field diary/notes, memos, audio and video records of interviews and observations etc.), and other relevant materials such as photographs of the field, approved proposal, earlier versions of their thesis/chapters, notes, etc. After the preliminary/open presentation, candidates should work further on their thesis and address the comments and observations made by the audience, where appropriate.

Once the students complete addressing all the comments given to them in the preliminary defense and when the Supervisors are satisfied with the revised work, the thesis goes to the final viva voce to be performed in front of the Research Committee. Like in the preliminary Defense, students are required to make a 40-minute presentation, and respond all the questions asked by the external examiner(s) and Research Committee members. Students' presentations should also highlight the major comments and suggestions received in preliminary presentation and from the external examiners. The presentations may also be organized online depending on the circumstances.

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Immediately after the Defense, the Research Committee can decide to accept or reject the thesis with necessary justifications. Possible decisions could be one of the following:

- Both written thesis and the oral presentation are accepted without correction and hence PhD degree is awarded to the candidate.
- ii. The presentation is pleasing, but the thesis can only be accepted with improvements. The thesis is accepted on the condition that the student addresses the concerns made by the Research Committee and improves the thesis as advised. In such cases, students do not need to re-defend but need to improve their thesis.
- iii. The thesis is accepted but needs substantial improvement and re-defending. This is a conditional acceptance, and the students need to address the concerns made by the Research Committee and improve the thesis as advised and re-defend.
- iv. The thesis is not satisfactory and cannot be accepted and, therefore, is rejected. In such case, the whole PhD program of the particular candidate comes to an end.

#### Submitting the Proof of Academic Publications and Conference Presentations

Before sending the thesis for final defense, the Office of the Dean seeks the proof of publication of at least two academic papers in peer-reviewed journals and paper presentation in at least two national/international conferences on the topic related to the student's thesis. Without receiving adequate proof of such contribution, the Office of the Dean will not proceed with the final defense.

#### After Defending the Thesis

After getting approval from the supervisor(s) and the Head, the candidates need to prepare the hard-bound copies of their thesis and get the thesis signed by the supervisor/s, external examiners present in the defense, the HoD and the Dean. Before sending for hard-binding, students should also incur certification from the Writing and Communication Center for the completion of language editing and formatting. Finally, the thesis goes to the KUSOED and other libraries and becomes the public property. KUSOED makes a digital copy of the thesis available on an online database. However, the copyright of the thesis remains with the student.

#### **Duration of PhD Completion**

PhD at KUSOED is a three-year study program. Students must complete all degree requirements in three years (four years for part-time students). KUSOED allows an extension of the timing for two additional years (three years for part-time students). With this extension, students can complete their PhD within five years from their admission (seven years for part-time students). An extension of one year is also possible in the case of some students if there are good reasons for such an extension. If the work is in

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progress, students could request such an extension and if the students' supervisor(s) recommend it, the Research Committee chair may grant one-year extension.

Students must consume the minimum time duration of three years required to complete their studies. The timeline as given below (see Annex) assumes three-year timeline for completing PhD thesis. Those who extend the timeline (three years) must pay the semester renewal fee for each semester they extend in order to maintain their student status. Similar conditions apply to part-time students.

#### Cancellation of PhD Candidacy and Withdrawal of Degree

In case of misconduct against KUSOED or any malicious intent to defame the PhD program and malpractice (such as plagiarism) in the PhD thesis and course assignments submitted as part of a student's PhD study, KUSOED can decide to cancel his/her PhD candidacy and studentship. Other administrative reasons (e.g., not paying the fees) can be a ground for not awarding the PhD degree. However, the person gets an opportunity to explain her/his case before the final action is taken.

#### Ethical Aspects

A duly filled KUSOED Ethical Form (Approved by the Research Committee on January 21, 2019) should be submitted when submitting the proposal for presentation. The Research Committee evaluates the filled-up ethical form and approves the research process if it finds satisfactory. The Committee may ask for the revision or reject the research process if there is potential violation of ethics.

The proposal or thesis is considered to violate the ethical standards if there are evidences of:

- Plagiarism
- · Violation of confidentiality
- · Disrespect to the norms of anonymity
- · Absence of informed consent of participants for participation in the research
- · Insensitivity to the integrity of the participants
- · Harm/Exploitation to the participants
- · Violation of the interest of the participants
- · Unauthorized dissemination of the individual/household level data
- Commercial use of the collected data (However, this does not restrict the publication of articles, books, etc. using the data collected).
- Dishonoring the existing socio-cultural practices
- · Monetary/non-monetary exchange of benefits with participants
- · Violation of the copyright of others' work, and property
- Not getting consent of author(s), agency(ies) while using their data, tools, pictures, or any other work

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# Testimonial from the First Ph.D. Graduate of School of Education

# Dr. Agni Prasad Kafle



Dr. Kafle said, a Doctorate degree provided by Kathmandu University, gave me confidence and opportunity from different international organizations like Asian Development Bank Institute (ADBI), Japan, and World Bank situated in Kathmandu. Dr. Kafle also got opportunity to work with Finland and Denmark and along the way his certificate earned him a quality lifestyle and better future for his children. When asked how it would be without a PhD, he said, he might be a schoolteacher or a farmer back at village and highlighted the importance of having a PhD degree in his life. He expressed his happiness when Kathmandu University – School of Education called him for a meeting with Dean and stated that he is the well-wisher of Kathmandu University.

# List of Ph.D. Graduates

| Name                   | Deepak Khanal   |
|------------------------|---|
| Dissertation Title     | Schooling of the Nepal Communist party: An interpretive inquiry |
| Supervisor (s)         | Prof. Dr. Bidya Nath Koirala                                    |
| Program                | Curriculum and Instruction                                      |
| <b>Enrollment Year</b> | 2013  |
| <b>Completion Year</b> | 2021  |
| Email Address          | khanaldeepak52@yahoo.com  |

| Name                | Parbati Dhungana   |
|---------------------|--|
| Dissertation Title  | Developing a living model of professional development of school teachers in Nepal: A collaborative epistemic journey |
| Supervisor (s)      | Prof. Dr. Bal Chandra Luitel & Prof. Dr. Sigrid Gjotterud  |
| Program             | Curriculum and Instruction   |
| Enrollment Year     | 2017   |
| Completion Year     | 2022   |
| Full Thesis Link    |  |
| Current Affiliation | School of Education , Kathmandu University   |
| Email Address       | parbati@kusoed.edu.np  |

| Name               | Shree Krishna Wagle  |
|--------------------|--|
| Dissertation Title | Place pedagogies, eco- spritual cosmologies and cultural stories: Wisdom from Dharmashala, Nepal |
| Supervisor (s)     | Prof. Dr. Bal Chandra Luitel and Prof. Dr. Erling Krogh  |
| Program            | Curriculum and Instruction   |
| Enrollment Year    | 2017   |
| Completion Year    | 2021   |
| Email Address      | shreekrishna@kusoed.edu.np   |

| Managa   | Krishna Prasad Acharya      |
|----------|-----------------------------|
| Name     | l Krishna Prasan Adharva    |
| - Turing | Titlistina i rasaa risharya |

| Dissertation Title     | Nepalese student migration to foreign countries for higher education in the globalized context |
|------------------------|--|
| Supervisor (s)         | Prof. Tanka Nath Sharma, Prof. Mana Prasad Wagley  |
| Program                | Development Studies  |
| <b>Enrollment Year</b> | 2006   |
| <b>Completion Year</b> | 2012   |
| Full Thesis Link       |  |
| Email Address          | acharya_krishna@hotmail.com  |

| Name                   | Bhola Prasad Dahal  |
|------------------------|---|
| Dissertation Title     | Child participation in schools of Nepal: Role and contribution of child clubs |
| Supervisor (s)         | Prof. Mana Prasad Wagley, Prof. Mahesh Nath Parajuli                          |
| Program                | Development Studies   |
| <b>Enrollment Year</b> | 2007  |
| <b>Completion Year</b> | 2014  |
| Full Thesis Link       |   |

| Name                       | Binod Krishna Shrestha  |
|----------------------------|---|
| Dissertation Title         | Brand equity of higher education: A case of MBA academic program in Nepal |
| Supervisor (s)             | Prof. Dr. Govind Prasad Acharya   |
| Program                    | Development Studies   |
| <b>Enrollment Year</b>     | 2007  |
| <b>Completion Year</b>     | 2011  |
| <b>Current Affiliation</b> | Professor, Kathmandu School of Management                                 |
| Mode                       | Part Time   |
| Email Address              | binod@kusom.edu.np  |

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| <b>Dissertation Title</b> | Shaping school culture: Role of Principal as a leader     |
|---------------------------|---|
| Supervisor (s)            | Prof. Dr. Tanka Nath Sharma, Prof. Dr. Mana Prasad Wagley |
| Program                   | Development Studies                                       |
| <b>Enrollment Year</b>    | 2007  |
| <b>Completion Year</b>    | 2012  |
| Full Thesis Link          |   |

| Name                   | Renu Kumari Lama Thapa   |
|------------------------|--|
| Dissertation Title     | Epistemic habitus about women, their space and their eductaional opportunities |
| Supervisor (s)         | Prof. Shreeram Prasad Lamichhane ,Dr. Mahesh Nath Parajuli                     |
| Program                | Development Studies  |
| <b>Enrollment Year</b> | 2007   |
| <b>Completion Year</b> | 2012   |

| Name                      | Usha (K.C) Bhandari   |
|---------------------------|---|
| <b>Dissertation Title</b> | Social inclusion in technical education and vocational training (TEVT) in Nepal |
| Supervisor (s)            | Prof. Dr. Tanka Nath Sharma, Prof. Mahesh Nath Parajuli                         |
| Program                   | Development Studies   |
| <b>Enrollment Year</b>    | 2007  |
| <b>Completion Year</b>    | 2012  |
| Full Thesis Link          |   |

| Name                      | Megh Raj Dangal   |
|---------------------------|---|
| <b>Dissertation Title</b> | Aid effectiveness in basic and primary education in Nepal |
| Supervisor (s)            | Dr. Mahesh Nath Parajuli, Prof. Shreeram Lamichhane       |
| Program                   | Development Studies                                       |
| <b>Enrollment Year</b>    | 2007  |
| <b>Completion Year</b>    | 2010  |
| Email Address             | megh@ku.edu.np  |
| Name                      | Shankar Thapa   |

| <b>Dissertation Title</b> | Sustainable financing of higher education in Nepal |
|---------------------------|--|
| Supervisor (s)            | Prof. Dr. Mana Prasad Wagley                       |
| Program                   | Development Studies                                |
| <b>Enrollment Year</b>    | 2008   |
| <b>Completion Year</b>    | 2013   |
| Full Thesis Link          |  |

| Name                   | Hari Prasad Lamsal  |
|------------------------|---|
| Dissertation Title     | Financing primary education in Nepal from an equity perspective and its role in social change |
| Supervisor (s)         | Prof. Mana Prasad Wagley, Dr. Vishnu Karki  |
| Program                | Development Studies   |
| <b>Enrollment Year</b> | 2009  |
| <b>Completion Year</b> | 2014  |
| Full Thesis Link       |   |
| Email Address          | hlamsal@gmail.com   |

| Name                   | Ram Chandra Khanal  |
|------------------------|---|
| Dissertation Title     | Determinants in agriculture technology adoption & role of education (A case of rice production in Chitwan and Kavre districts of Nepal) |
| Supervisor (s)         | Dr. Mahesh Nath Parajuli, Dr. Vishnu Karki  |
| Program                | Development Studies   |
| <b>Enrollment Year</b> | 2009  |
| <b>Completion Year</b> | 2016  |
| <b>Email Address</b>   | khanalrc@yahoo.com  |

| Name | Roshan Thapa |
|------|--------------|
|      |              |

| <b>Dissertation Title</b> | Unleashing liminalities: An autoethnographic autopsy of identity politics |
|---------------------------|---|
| Supervisor (s)            | Assoc. Prof. Bal Chandra Luitel   |
| Program                   | Development Studies   |
| <b>Enrollment Year</b>    | 2009  |
| <b>Completion Year</b>    | 2017  |
| Email Address             | brrosh@ku.eu.np   |

| Name                   | Prakash Chandra Bhattarai  |
|------------------------|--|
| Dissertation Title     | Ethical leadership in Nepali technical and vocational education and training schools: A convergent mixed methods study |
| Supervisor (s)         | Prof. Tanka Nath Sharma, Prof. Mahesh Nath Parajul   |
| Program                | Development Studies  |
| <b>Enrollment Year</b> | 2010   |
| <b>Completion Year</b> | 2015   |
| Full Thesis Link       |  |
| Email Address          | prakash@kusoed.edu.np,   |

| Name               | Ambika Mohan Joshee   |
|--------------------|---|
| Dissertation Title | Perspectives on financing higher education in Nepal: A qualitative research |
| Supervisor (s)     | Prof. Mana Prasad Wagley, Prof. Mahesh Nath Parajuli                        |
| Program            | Development Studies   |
| Enrollment Year    | 2011  |
| Completion Year    | 2016  |
| Full Thesis Link   |   |
| Email Address      | akjoshee@hotmail.com  |

| Name |
|------|
|------|

| <b>Dissertation Title</b> | Fiduciary risks in fiscal decentralization: A case of municipalities in Nepal |
|---------------------------|---|
| Supervisor (s)            | Dr. Mahesh Nath Parajuli  |
| Program                   | Development Studies   |
| <b>Enrollment Year</b>    | 2011  |
| <b>Completion Year</b>    | 2017  |

| Name                   | Radheshyam Thakur   |
|------------------------|---|
| Dissertation Title     | A journey towards peaceful living: An educational practitioner's meta/physical reflection |
| Supervisor (s)         | Assoc. Prof. Bal Chandra Luitel   |
| Program                | Development Studies   |
| <b>Enrollment Year</b> | 2011  |
| <b>Completion Year</b> | 2017  |
| Email Address          | tradheshyam@yahoo.com   |

| Name                   | Binda Pandey   |
|------------------------|--|
| Dissertation Title     | Women empowerment in politics: A feminist inquiry of Communist party of Nepal-Unified Marxist Leninist (CPN-UML) |
| Supervisor (s)         | Prof. Bidya Nath Koirala   |
| Program                | Development Studies  |
| <b>Enrollment Year</b> | 2012   |
| <b>Completion Year</b> | 2017   |
| Email Address          | binda.panday@gmail.com   |

| Name                      | Krishna Bahadur Rai   |
|---------------------------|---|
| <b>Dissertation Title</b> | Experiences of entrepreneurs of Nepali small and medium-sized enterprises |
| Supervisor (s)            | Asst. Prof. Prakash C. Bhattarai, Prof. Binod Krishna Shrestha            |
| Program                   | Development Studies   |
| <b>Enrollment Year</b>    | 2012  |
| <b>Completion Year</b>    | 2018  |
| Full Thesis Link          |   |
| <b>Email Address</b>      | kraimrg@gmail.com   |

| Name                      | Laxman Acharya   |
|---------------------------|--|
| <b>Dissertation Title</b> | Out of school children in Nepal: Who, why and how  |
| Supervisor (s)            | Prof. Dr. Mahesh Nath Parajuli, Vishnu Bahadur Kark  |
| Program                   | Development Studies  |
| <b>Enrollment Year</b>    | 2012   |
| <b>Completion Year</b>    | 2018   |
| Full Thesis Link          | District Control of the Control of t |

| Name                   | Pasang Dolma Sherpa   |
|------------------------|---|
| Dissertation Title     | Climate change education and its interface with indigenous knowledge in Nepal |
| Supervisor (s)         | Prof. Bal Chandra Luitel, Ph.D  |
| Program                | Development Studies   |
| <b>Enrollment Year</b> | 2012  |
| <b>Completion Year</b> | 2018  |
| Email Address          | pdsherpa2008@gmail.com  |

| Name               | Rajkumar Dhungana                                      |
|--------------------|--|
| Dissertation Title | Ethnography of school violence: A cultural perspective |
| Supervisor (s)     | Dr. Mahesh Nath Parajuli, Dr. Bishnu Raj Upreti        |
| Program            | Development Studies                                    |
| Enrollment Year    | 2012   |
| Completion Year    | 2018   |
| Email Address      | dhungana.rajkumar@gmail.com                            |

| Name                      | Suresh Gautam   |
|---------------------------|---|
| <b>Dissertation Title</b> | Urban youth & their everyday life in Kathmandu: Art based narrative inquiry |
| Supervisor (s)            | Assoc. Prof. Bal Chandra Luitel   |
| Program                   | Development Studies   |
| <b>Enrollment Year</b>    | 2012  |
| <b>Completion Year</b>    | 2017  |
| Full Thesis Link          |   |
| Email Address             | sgautam@kusoed.edu.np   |

| Name                   | Babita Thapa   |
|------------------------|--|
| Dissertation Title     | Health risk behaviors among students of Kathmandu        |
| Supervisor (s)         | Assoc. Prof. Prakash C. Bhattarai, Prof. Bhimsen Devkota |
| Program                | Development Studies                                      |
| <b>Enrollment Year</b> | 2013   |
| <b>Completion Year</b> | 2019   |
| Email Address          | babithapa@yahoo.com                                      |

| Name                   | Bishal Kumar Bhandari   |
|------------------------|---|
| Dissertation Title     | Globalization and means of communicaton: An ethnography of a Nepali village |
| Supervisor (s)         | Prof. Bal Chandra Luitel  |
| Program                | Development Studies   |
| <b>Enrollment Year</b> | 2013  |
| <b>Completion Year</b> | 2019  |

| Name                       | Indra Mani Rai   |
|----------------------------|--|
| Dissertation Title         | Identity paradoxes of Kirat (Kirant) migrants in urban context: An auto/ethnographic inquiry |
| Supervisor (s)             | Dr. Mahesh Nath Parajuli, Assoc. Prof. Bal Chandra Luitel                                    |
| Program                    | Development Studies  |
| <b>Enrollment Year</b>     | 2013   |
| <b>Completion Year</b>     | 2017   |
| <b>Current Affiliation</b> | Assoc. Professor, KUSOED   |
| Email Address              | indrayamphuny@gmail.com  |

| Name                       | Meenakshi Dahal  |
|----------------------------|--|
| Dissertation Title         | Children's oral language and literacy skills: An ethnographic study in Nepal |
| Supervisor (s)             | Prof. Mahesh Nath Parajuli, Prof. Georgianna Duarte                          |
| Program                    | Development Studies  |
| <b>Enrollment Year</b>     | 2013   |
| <b>Completion Year</b>     | 2018   |
| <b>Current Affiliation</b> | Chairperson, Sikai Foundation  |
| <b>Email Address</b>       | meenakshi@kusoed.edu.np  |

| Name                   | Lal Bahadur Pun  |
|------------------------|--|
| Dissertation Title     | In search of better option: An ethnographraphic study of migrants from Bharse, Nepal |
| Supervisor (s)         | Assoc. Prof. Dr. Prakash Chandra Bhattari, Prof. Dr. Bhim Prasad Subedi              |
| Program                | Development Studies  |
| <b>Enrollment Year</b> | 2013   |
| <b>Completion Year</b> | 2022   |
| Full Thesis Link       |  |
| Email Address          | lalbpun@yahoo.com  |

| Name                   | Uttam Uprety  |
|------------------------|---|
| Dissertation Title     | Capacity building factors contributing to the governance of Nepali civil society organizations. |
| Supervisor (s)         | Assoc. Prof. Prakash C. Bhattar, Dr. Netra Prasad Timsina                                       |
| Program                | Development Studies   |
| <b>Enrollment Year</b> | 2013  |
| <b>Completion Year</b> | 2024  |
| Full Thesis Link       |   |
| Email Address          | uttam.uprety2010@gmail.com  |

| Name                       | Ramesh Prasad Chaulagain                                 |
|----------------------------|--|
| Dissertation Title         | Measuring financial literacy of small borrowers in Nepal |
| Supervisor (s)             | Prof. Binod Krishna Shrestha, Dr. Nara Hari Dhakal       |
| Program                    | Development Studies                                      |
| <b>Enrollment Year</b>     | 2013   |
| <b>Completion Year</b>     | 2018   |
| <b>Current Affiliation</b> | Deputy Director, Nepal Rastra Bank                       |
| Email Address              | chaulagainramesh@gmail.com                               |

| Name                   | Anila Jha (Mishra)  |
|------------------------|---|
| Dissertation Title     | Integration of information and technology in open and distance learning programmes: An interpretive inquiry |
| Supervisor (s)         | Prof. Bal Chandra Luitel, Dr.Ashlesha Sharma  |
| Program                | Development Studies   |
| <b>Enrollment Year</b> | 2014  |
| <b>Completion Year</b> | 2020  |
| Email Address          | anila@kusoed.edu.np   |

| Name                   | Deepak Raj Paudel   |
|------------------------|---|
| Dissertation Title     | Utilization of health services and healthcare expenditure: A case of social health insurance program in Nepal |
| Supervisor (s)         | Dr. Mahesh Nath Parajuli, Prof. Ramesh Kant Adhikari  |
| Program                | Development Studies   |
| <b>Enrollment Year</b> | 2014  |
| <b>Completion Year</b> | 2020  |
| <b>Email Address</b>   | deepakpaudel@yahoo.com  |

| Name                   | Lina Gurung  |
|------------------------|--|
| Dissertation Title     | Experiences of online and distance learners of Nepali universities |
| Supervisor (s)         | Prof. Dr. Bal Chandra Luitel & Dr. Amina Singh                     |
| Program                | Development Studies  |
| <b>Enrollment Year</b> | 2014   |
| <b>Completion Year</b> | 2021   |
| Full Thesis Link       |  |
| Email Address          | lina@kusoed.edu.np   |

| Name                   | Kiran Chalise   |
|------------------------|---|
| Dissertation Title     | Perceptions of teachers toward inclusive education with a focus on hearing impairment: A quantitative study |
| Supervisor (s)         | Prof. Laxman Gnawali  |
| Program                | Development Studies   |
| <b>Enrollment Year</b> | 2014  |
| <b>Completion Year</b> | 2024  |
| Full Thesis Link       |   |

| Name                   | Debendra Prasad Adhikari                                       |
|------------------------|--|
| Dissertation Title     | Reintegration of female ex-combatants: An ethnographic inquiry |
| Supervisor (s)         | Prof. Dr. Bal Chandra Luitel & Dr. Bishnu Raj Upreti           |
| Program                | Development Studies  |
| <b>Enrollment Year</b> | 2016   |
| <b>Completion Year</b> | 2021   |

| Name                   | Sanjay Hamal   |
|------------------------|--|
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| Supervisor (s)         | Prof. Mana Prasad Wagley, Prof. Tanka Nath Sharma |
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| Supervisor (s)             | Prof. Mana Prasad Wagley, Prof. Tanka Nath Sharma                      |
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| Supervisor (s)         | Prof. Mana Prasad Wagley, Prof. Tanka Nath Sharma                               |
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| Supervisor (s)         | Prof. Mana Prasad Wagley, Prof. Tanka Nath Sharma                      |
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| Supervisor (s)         | Prof. Bidhya Nath Koirala  |
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| Supervisor (s)         | Prof. Mahanand Chalise, Assoc. Prof. Prakash C. Bhattarai                              |
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| Supervisor (s)         | Prof. Dr. Tanka Nath Sharma & Dr. Prakash Chandra Bhattarai                     |
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| Supervisor (s)         | Assoc. Prof. Dr. Dhanapati Subedi & Assoc. Prof. Dr. Hem Raj Kafle  |
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| Dissertation Title         | English language teacher development through professional associations: The NELTA way |
| Supervisor (s)             | Prof. Mana Prasad Wagley  |
| Program                    | Language Education  |
| <b>Enrollment Year</b>     | 2007  |
| <b>Completion Year</b>     | 2013  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Professor, Kathmandu University School of Education                                   |
| Email Address              | lgnawali@kusoed.edu.np  |

| Name                       | Matrika Sharma  |
|----------------------------|---|
| Dissertation Title         | Governance of public schools of Nepal: A case study of Rupandehi district                           |
| Supervisor (s)             | Prof. Tanka Nath Sharma, Dr. Mahesh Nath Parajuli   |
| Program                    | Educational Leadership  |
| <b>Enrollment Year</b>     | 2008  |
| <b>Completion Year</b>     | 2014  |
| <b>Current Affiliation</b> | Monitoring, Evaluation, Accountability and Learning (MEAL) Manager, Save the Children International |
| <b>Email Address</b>       | matrika.sharma@gmail.com  |

| Name                   | Vidhya Pokhrel  |
|------------------------|---|
| Dissertation Title     | Exploring english teachers' journey of change and identity construction: An auto/ethnographic inquiry |
| Supervisor (s)         | Prof. Dr. Laxman Gnawali and Prof. Dr. Jai Raj Awasthi  |
| Program                | Language Education  |
| <b>Enrollment Year</b> | 2013  |
| <b>Completion Year</b> | 2022  |
| Full Thesis Link       |   |
| <b>Email Address</b>   | vidhya@kusoed.edu.np  |

| Name                       | Siddhartha Dhungana  |
|----------------------------|--|
| Dissertation Title         | Self-initiated dimension of English language teachers' professional development: A narrative inquiry |
| Supervisor (s)             | Prof. Dr. Laxman Gnawali and Prof. Dr. Jai Raj Awasthi   |
| Program                    | Language Education   |
| <b>Enrollment Year</b>     | 2020   |
| <b>Completion Year</b>     | 2022   |
| Full Thesis Link           |  |
| <b>Current Affiliation</b> | Asst. Professor Kathmandu University School of Education   |
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| Name                       | Bharat Prasad Neupane   |
|----------------------------|---|
| Dissertation Title         | Trajectory of identity negotiation of English language teachers from Nepal: A narrative inquiry |
| Supervisor (s)             | Prof. Jai Raj Awasthi, Prof. Laxman Gnawali   |
| Program                    | Language Education  |
| <b>Enrollment Year</b>     | 2020  |
| <b>Completion Year</b>     | 2023  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Asst. Professor Kathmandu University School of Education  |
| Email Address              | bharat.neupane@ku.edu.np  |

| Name                       | Niroj Dahal  |
|----------------------------|--|
| Dissertation Title         | Envisioning a STEAM-based mathematics education in Nepal: A Swa-Twam-Tat inquiry |
| Supervisor (s)             | Prof. Bal Chandra Luitel   |
| Program                    | STEAM Education  |
| <b>Enrollment Year</b>     | 2020   |
| <b>Completion Year</b>     | 2025   |
| Full Thesis Link           |  |
| <b>Current Affiliation</b> | Kathmandu University School of Education   |
| Mode                       | Full Time  |
| Email Address              | niroj@kusoed.edu.np  |

| Name                       | Binod Prasad Pant   |
|----------------------------|---|
| Dissertation Title         | Developing and implementing STEAM pedagogy at the basic level: A study through participatory action research in Nepal |
| Supervisor (s)             | Prof. Bal Chandra Luitel, Prof. Sigrid Gjottterud, Prof. Birgittte Bjonness   |
| Program                    | STEAM Education   |
| <b>Enrollment Year</b>     | 2017  |
| <b>Completion Year</b>     | 2025  |
| <b>Current Affiliation</b> | Acting Head of the Department of STEAM Education, Kathmandu University School of Education                            |
| Email Address              | binod@kusoed.edu.np   |

# **School of Engineering**

Approved by Research Committee of SOE on May 5th, 2006

# काठमाडौँ विश्वविद्यालय अनुसन्धान सम्बन्धी निर्देशिका, २०६२

#### **ख**ण्ड 'ख'

काठमाडौँ विश्वविद्यालय अनुसन्धान सम्बन्धी नियम, २०६२ को दफा ४.३ को प्रयोजनको लागि अनुसन्धान समितिको सिफारिशमा ऐ.ऐ. को दफा ४.४ ले दिएको अधिकार प्रयोग गरी प्राज्ञिक परिषद्बाट स्वीकृत भएको।

# पिएच. डी (Ph. D.) तह

## १. परिभाषा :

विषय वा प्रसंगले अर्को अर्थ नलागेमा यस निर्देशिकामा

- (क) 'विश्वविद्यालय' भन्नाले काठमाडौँ विश्वविद्यालय ऐन, २०४८ बमोजिम स्थापना भएको काठमाडौँ विश्वविद्यालय सम्भन् पर्दछ ।
- (ख) 'नियम' भन्नाले काठमाडौं विश्वविद्यालय, अनसन्धान सम्बन्धी नियम, २०६२ सम्फन पर्दछ ।
- (ग) 'अनुसन्धान समिति' भन्नाले काठमाडौँ विश्वविद्यालय, अनुसन्धान सम्बन्धी नियम, २०६२ को नियम २.१ अनुसार गठन गरिएको अनुसन्धान समितिलाई जनाउनेछ।
- (घ) विद्यावारिधि (Ph.D.) भन्नाले विश्वविद्यालयद्धारा प्रदान गरिने विद्यावारिधि (Ph.D.) को शैक्षिक उपाधि सम्भन पर्दछ ।
- (ङ) 'शोधार्थी' भन्नाले पिएच डी तहमा अनुसन्धान गर्ने व्यक्ति सम्भन् पर्दछ ।
- (च) 'शोध पत्र' भन्नाले विद्यावारिधि (पिएच.डी.) तहमा अनुसन्धान गर्ने शोधार्थीवाट प्रस्तुत गरिने अनुसन्धानात्मक लेख (Thesis) सम्भन् पर्दछ ।
- (छ) 'बाह्य-परीक्षक' भन्नाले निर्देशिकाको दफा १५ अन्तरगत डीनले मनोनित गरेको 'विषयगत वा अन्तर्विषयक विशेषज्ञहरु' सम्भन् पर्दछ ।
- (ज) "शोध निर्देशक" मन्नाले शोध निर्देशन कार्य गर्ने व्यक्तिलाई सम्भनु पर्दछ । शोध निर्देशक दफा ९ अनुसारको २ जना सम्म हन सक्नेछन ।
- (भ) 'शोध-परामर्शदाता' भन्नाले शोधनिर्देशकलाई परामर्श दिन विषयगत वा अन्तर्विषयक विशेषज्ञहरु सम्भन् पर्दछ ।
- (ञ) 'शोध-प्रस्ताव' भन्नाले विद्यावारिधि (पिएच.डी.) तहको अनुसन्धानकार्यका लागि प्रस्तुत गरिने Research Proposal सम्फन् पर्दछ ।
- (ट) 'तोकिएको' वा 'तोकिए बमोजिम' भन्नाले ऐन अन्तरगत बनेको नियम/निर्देशिकामा तोकिएको वा तोकिए बमोजिम सम्भन पर्दछ ।

# २. आवेदनको लागि योग्यता :

विभिन्न तहमा गरी कमसेकम १७.५ वर्षको (१०+२+४+१.५) अध्ययन अवधिको आधारमा सम्बन्धित विषयमा स्नातकोत्तर (मास्टर्स) तहको परीक्षामा न्यूनतम ५० प्रतिशत अङ्ग वा 4 Point scale मा Cumulative Grade Point Average (CGPA) ३.०० वा सो सरह अथवा ग्रेडमा B Standing सरह प्राप्त गरी उत्तीर्ण गरेको हुनु पर्नेछ ।

# ३. आवेदन प्रकिया :

- (क) दफा २ मा तोकिएको योग्यता पुगेको उमेदवारले तोकिएको अवधिभित्र अनुसूची १ मा तोकिएको आवेदन फारमको ढांचामा तोकिए बमोजिम आवेदन शुल्क बुफाई सम्बन्धित विभाग मार्फत अनुसन्धान समिति समक्ष आवेदन दिन पर्नेछ ।
- (ख) उमेदवारले आफूले विशिष्टीकरण गर्न चाहेको क्षेत्रसंग सम्बन्धित विषयमा पिएच. डी. अनुसन्धानमा संलग्न हुन सम्बन्धित विभागले मुल्याङ्गन गर्दा प्रवेश परीक्षा आवश्यक भए लिखित/मौखिक वा दुवै प्रकारका परीक्षाहरु विभागद्वारा सञ्चालन हुनेछ ।
- (ग) विभागले मूल्याङ्गन गरी उपयुक्त भए, पढनु पर्ने Course वा अन्य Requirements तोकी Supervisor को मनोनयन गरेर, अस्थायी ∕स्थायी दर्ताको सिफारिस सहित अनुसन्धान समितिमा अनुमोदनका लागि सिफारिस गर्नेछ ।
- (घ) पिएच.डि. तहमा नाम दर्ताका लागि स्वीकृति भएका उमेदबारहरुले पाठ्यक्रम लिने वारे आवेदकको शैक्षिक योग्यता, तालिम, अनुभव, प्रकाशन आदीको मूल्याङ्गन गरी Credit transfer प्रकृयाको आधारमा विभागले स्थायी वा अस्थायी नाम दर्ताको लागि सिफारिस गर्न सक्ने छ।

आवेदकको शैक्षिक योग्यता, तालिम, अनुभव, प्रकाशन आदीको मूल्याङ्गन गर्दा ध्यान दिनुपर्ने कुराहरु

- कुल औपचारिक शिक्षाको वर्ष
- अनसन्धान अनभव
- अन्य अनुभव
- तालिम
- प्रकाशन
- अन्य उपयक्त आधारहरु
- (9) सम्बन्धित विभागले स्थायी नाम दर्ता गर्न सिफारिस गरेका उमेदवारहरुको हकमा यदि एक मास्टर्स तह पास गरिसकेपछि गरेका अरु मास्टर्स तह वा माथिका डिग्री तह/डिप्लोमा तह वा अन्य Advanced Level ट्रेनिङ्ग (Theoretical or Practical) को आधारमा थप अध्ययन गर्न नपर्ने विभागिय राय-सिफारिश ठिक भए अनुसन्धान समितिले उमेदवारलाई निजले विशिष्ठिकरण गर्न चाहेको क्षेत्रमा अनुसन्धान सुरु गर्न स्वीकृति प्रदान गर्नेछ।
- (२) विभागिय मूल्याङ्गन का आधारमा अस्थायी दर्ताका लागि उपयुक्त उमेदवारलाई अनुसन्धान समिति समक्ष अस्थायी दर्ताबाट स्थायी दर्ता पाउन उमेदवारले कम्तिमा १४ credit वरावरको Course Work गर्न् पर्नेछ ।
  - विभागले सिफारिस गर्ने Course मा, आवश्यकतानसार ।
    - अन्सन्धानसंग सम्बन्धित advanced courses हुनुपर्ने ।
    - Computer, language proficiency र Research Methodology संग सम्बन्धित Courses आवश्यक परेमा Audit Course को रुपमा लिने ।
    - ₹. Self-taught course (s)
    - ४. Seminar, Term Papers, review Papers, Presentation नियमित रुपमा गराई उपर्युक्त केंडिट दिने ।

- अस्थायी दर्ताका आवश्यकताहरु एक सेमेष्टर भरीमा पुरा गरी सक्नु पर्नेछ ।
   आवश्यक परेमा विभागिय सिफारिसको आधारमा १ सेमेष्टर थप गर्न सिकने छ ।
   थप अवधिमा पनि स्थायी दर्ता को आवश्यक्ता पुरा नगर्नेको अस्थायी दर्ता स्वत: रद्द हनेछ ।
- (ङ) पुरा समय विश्वविद्यालयमा रिह अनुसन्धानमा संलग्न हुन नसक्ने तर अनुसन्धान गर्न चाहने उमेदबारहरु आंशिक सोध कर्ता (Part-time research scholar) मानिनेछन् । यस्ता उमेदबारहरुले आ<sup>9</sup>नो कार्यालयको स्वीकृती सिहत Part-time research गर्न निवेदन दिन सक्नेछन ।

यस्ता उमेदवारहरुको योग्यता र आवेदन प्रकृया पुरा समय अनुसन्धान गर्नेहरुको सरह नै हुनेछ । साथै अस्थायी नाम दर्ताका लागि योग्य ठहरिएका उमेदवारले स्थायी दर्ताको लागि प्रकृया पनि उही आधारमा हुनेछ ।

# ४. नाम दर्ता :

दफा ३ अनुसार योग्य देखिने उमेदवारलाई विभागले सिफारिश गरे अनुसार छानविन/छलफल गरी अनुसन्धान समितिबाट स्थायी/अस्थायी नाम दर्ता गर्न स्वीकृति प्रदान गरिनेछ ।

## ५. अध्ययन अनुसन्धानको समयाविध :

(क) पिएच. डी. अध्ययन अनुसन्धानको समयाविध नाम दर्ता भएको मितिले कम्तिमा ३ वर्षको हुनेछ । आशिक समय अनुसन्धान गर्नेहरुले भने दर्ता भएपछि ४ वर्ष पछि सोध पत्र बुफाउन सक्नेछन् । तर ५ वर्षसम्म पिन अनुसन्धान पुरा नभए विषयको प्रकृति अनुसार सम्बन्धित विभागीय प्रमुख र शोधनिर्देशकको सिफारिशमा अनुसन्धान समितिले सो समयाविध साधारणतया बढीमा १ वर्षसम्म थप पिन गर्न सक्नेछ ।

# ६. उपस्थिति :

सम्बन्धित विषय र शीर्षकको प्रकृति अनुरुप उमेदवारले प्रति हप्ता अनुसन्धान सम्बन्धी काममा संलग्न रहनु पर्ने समय (Working hours) निर्धारण गरी त्यसैको आधारमा उपस्थिति प्रतिशत विभागले तोक्नेछ ।

# ७. शोधनिर्देशक(हरु) (Thesis Supervisor(s) र शोध विशेषज्ञको व्यवस्था :

शोध निर्देशकको लागि साधारणतया एसोसिएट प्रोफेसर वा सो भन्दा माथिको व्यक्तिलाई अनुसन्धान समितिले सम्बन्धित विभागका विभागीय प्रमुखको सिफारिशमा शोध निर्देशक तोक्नेछ । दुइ जना शोध निर्देशकहरुको संयुक्त निर्देशनमा पिन शोध निर्देशन कार्य गर्न सिकनेछ । शोध निर्देशकलाई परामर्श दिनको लागि शोध निर्देशक समेतको परामर्श लिई आवश्यक्तानुसार अरु २ जनासम्म विषयगत वा अन्तर्विषयक विशेषज्ञहरु शोध परामर्शदाताका रुपमा रहने गरी अनुसन्धान समितिले तोक्न सक्नेछ । अनुसन्धान समितिले व्यक्तिगत दक्षताको आधारमा असिष्टेण्ट प्रोफेसर वा सो सरहको व्यक्तिलाई पिन शोधनिर्देशक वा शोध परामर्शदाताको रुपमा तोक्न सिकनेछ ।

शोध निर्देशक वा शोध परामर्शदाताको रुपमा विश्वविद्यालय बाहिरका उपयुक्त व्यक्तिलाई समेत छनौट गर्न सकिनेछ ।

# इ. शोध निर्देशकको काम कर्तव्य :

शोध निर्देशक र निर्देशन समितिको काम कर्तव्य-निम्नानसार हनेछ :

- (क) शोधार्थीलाई अनसन्धान कार्यमा मार्गदर्शन गर्ने र शोध पत्रको निरीक्षण र सधार गर्ने ।
- (ख) शोधार्थीको हाजिरी तथा अनसन्धान कार्यका विवरण (Log-book) राख्ने ।

- (ग) प्रत्येक ६/६ महिनामा शोधार्थीको कार्यप्रगति अनसन्धान समिति समक्ष पेश गर्ने ।
- (घ) अनुसन्धान समितिलाई शोध अनुसन्धान सम्बन्धमा राय परामर्श दिने ।
- (ड) अनसन्धान समिति समक्ष बाहय-परीक्षकहरुको नामावली सिफारिश गरी पठाउने ।
- (च) तोकिएको अन्य काम गर्ने ।

# ९. शोधकार्यको लागि स्थानान्तरण :

शोधार्थीलाई आवश्यक परेमा शोध निर्देशक र विभागीय प्रमुखको सिफारिशमा डीनले स्वदेश तथा विदेशका तोकिएका स्थान वा स्थानहरुमा रही तोकिएको अवधिसम्म अनुसन्धान सम्बन्धी कार्य गर्न अनुमति दिन सक्नेछ ।

# १०. अन्यत्र नियुक्ति र अध्ययनमा बन्देज:

- अनुसन्धानको अवधिमा कुनै पिन शोधार्थीले अनुसन्धान समितिको पूर्व स्वीकृति विना अनुसन्धानका अतिरिक्त अन्य कामका लागि अन्यत्र नियक्ति लिन पाउने छैन ।
- शोधार्थीले अनुसन्धान अविधमा अनुसन्धान सिमितिको पूर्व स्वीकृति विना विश्वविद्यालय वा सार्वजनिक संस्थानद्वारा सञ्चालित अन्य विषयको पाठ्यक्रमको कुनै पिन परीक्षामा सिम्मिलित हुन पाउने छैन ।

# ११. शोध-प्रवन्धको माध्यम :

शोध-प्रवन्धको माध्यम नेपाली भाषा र साहित्यमा नेपाली र अन्य विषयमा अंग्रेजी हुनेछ । तर अनुसन्धान समितिले स्वीकृति दिएमा अन्य विषयमा नेपाली वा अन्य भाषामापनि शोध-प्रवन्ध लेख्न सिकृनेछ ।

# १२. शोध-प्रवन्धको प्रस्त्ती :

- (क) यस तहमा अनुसन्धान गर्ने शोधार्थीले निर्देशिकाको दफा ६ मा तोकिएको समयाविध भित्र आ<sup>9</sup>नो शोध-प्रवन्ध शोध निर्देशक र विभागीय प्रमुखको सिफारिश सहित डीन समक्ष प्रस्तुत गर्नु एक महिना पूर्व आफूले दिएको देनको प्रकृति र प्रमुख रुपरेखा दर्शाएको शोध-प्रवन्धको सारांश (Synopsis) पेश गर्न पर्नेछ ।
- (ख) शोध-प्रवन्धको ढांचा वा नमुनाको फर्म्याट अनुसुची-३ मा उल्लेख भए बमोजिम हुनेछ ।
- (ग) शोध-प्रवन्धलाई अन्तिम रुप दिई परीक्षणका निम्ति दुई जना बाह्य परीक्षक समक्ष पठाउनु भन्दा पहिले शोध निर्देशकले "मेरो आ<sup>9</sup>नै सुपरिवेक्षणमा रही तोकिएको अवधि भरसम्म नै शोधार्थीले सन्तोषजनकरुपले काम गरेको हो र प्रस्तुत शोध-प्रवन्ध आफैले (शोधार्थीले) तयार पारेको हो" भन्ने प्रमाणपत्र दिई सो लाई विभागीय प्रमुखद्धारा प्रमाणित गरिएको हुनु पर्नेछ ।
- (घ) शोधार्थीले आ<sup>9</sup>नो अनसन्धान कार्य सिकएपछि शोधपत्र प्रस्तत गर्न निम्न विवरण पेश गर्न पनेछ :
  - (9) ४ प्रति प्रिन्ट र binding गरिएको शोधपत्र ।
  - (२) आफुले दिएको देनको प्रकृति र प्रमुख रुपरेखा दर्शाएको शोधपत्रको सारांश ।
  - (३) आ<sup>o</sup>नो शोध निर्देशकबाट 'मेरो आ<sup>o</sup>नै सुपरिबेक्षणमा रही तोकिएको अबिध भरसम्म नै शोधार्थीले सन्तोष जनकरुपले काम गरेको हो र प्रस्तुत शोधपत्र आफैले (शोधार्थीले) तयार पारेको हो' भन्ने प्रमाण पत्र ।
  - (४) शोधार्थीको सम्बन्धित विषयमा प्रकाशित भएका कार्यहरु भए सो को सूची।

### १३. बाहय परीक्षक :

शोध निर्देशकले विभागीय प्रमुखसंग परामर्श गरेर कम्तिमा ३ जना बाह्य विशेषज्ञहरुको नामावली सिफारिश गरी अनुसन्धान समिति समक्ष पेश गर्नेछन् र अनुसन्धान समितिले स्वीकृत गरेको नामावलीहरुमध्येबाट डीनले २ जनालाई बाह्य परीक्षक तोक्नेछन् ।

## १४. परीक्षा र मुल्याङ्गन :

शोधप्रवन्धं परीक्षण एवं मूल्याङ्गनका लागि निर्देशिकाको दफा (१२) को प्रिक्रिया पश्चात् डीनले सम्बन्धित विषयका २ विशेषज्ञ (बाह्य परीक्षक) समक्ष पठाउनेछ । बाह्य परीक्षकहरुले तोकिएका आधारहरु समेतलाई दुष्टिगत गरी शोधार्थीको शोध प्रबन्धको मुल्याङ्गन गर्नु पर्नेछ ।

#### १४ . मृल्याङ्गनका आधारहरु :

शोधप्रबन्धको मूल्याङ्गका अनुसूची २ मा तोकिएको आधारमा गरिनेछ, मूल्याङ्गन गर्दा देहायका कुरालाई अग्रिम प्राथमिकता दिनु पर्नेछ ।

- (क) अनुसन्धानको मौलिकता ,
- (ख) नयां तथ्यको खोजी र विद्यमान वा ज्ञान तथ्यको नयां अन्तरसम्बन्धको व्याख्या ।
- (ग) सम्बन्धित विषयका ज्ञानको क्षेत्रमा नयां आयाम थप ।
- (घ) भाषिक शृद्धता र शोध-प्रवन्धको प्रस्तृतीकरण ।
- (ड) शोधविधि प्रस्त्तीकरणको ढांचा ।
- (च) शोध-प्रवन्धको स्तर ।

# १६ शोधप्रबन्धको स्वीकति :

बाह्य परिक्षक र शोध निर्देशकले मुल्याङ्गन गरी स्वीकृत गरेमा शोधप्रबन्ध स्वीकृत भएको ठहर्नेछ तर कुनै एकले अस्वीकृत गरेमा पुन : दोस्रो बाह्य परिक्षकवाट परीषण र मुल्याङ्गन गराउनु पर्नेछ । वाह्य परीक्षकवाट अस्वीकृत भएको अवस्थामा अनुसन्धान समितिले शोधार्थीलाई पुन : अनुसन्धानमा लगाउने अथवा कार्यक्रमबाट withdraw गराउन सक्नेछ ।

यदि बाह्य परिक्षकले शोध प्रबन्धमा केहि संसोधन गर्नूपर्ने आवश्यक देखिएमा शोधार्थीले सोही बमोजिम संसोधन गरी शोध प्रबन्ध पुन : मुल्याङ्गनका लागि पेश गर्नु पर्ने छ ।

## १७ मौखिक परीक्षा :

दफा १६ बमोजिम बाह्य परीक्षकबाट शोधप्रबन्ध स्वीकृत गरिएपछि दफा १९ बमोजिमको परीक्षण समिति समक्ष शोधार्थीले मौखिक परीक्षा दिन् पर्नेछ । मौखिक परीक्षा सार्वजनिक रुपमा हुनेछ ।

#### १८. परीक्षण समिति :

दफा १७ को प्रयोजनको लागि अनुसन्धान समितिले परीक्षण समितिको गठन गर्नेछ, जसमा देहायका व्यक्तिहरु रहने छन :

(१) सम्बन्धित स्कूलका डीन - अध्यक्ष

(२) सम्बन्धित विभागीय प्रमख - सदस्य

(३) सम्बन्धित विषयका विशेषज्ञहरु (बाहय परीक्षक) - सदस्य

(४) शोध निर्देशक - सदस्य

(४) विषयगत वा अन्तरिवषयगत शिक्षकहरुमध्येबाट डिनद्वारा मनोनित १ जना - सदस्य

#### १९ परिक्षा समितिमा सिफारिस गर्ने

दफा (९८) बमोजिमको परीक्षण समितिको नितजा अनुमोदन गर्नका लागि डीनले परीक्षा नियन्त्रकको कार्यालयमा पठाउनेछ ।

#### २०. उत्तीणता :

शोधार्थीले दफा १८ अनुसारको मौखिक परीक्षामा समेत सफलता प्राप्त गरेपछि निजलाई पिएच.डी. तहको परीक्षामा उत्तीर्ण घोषित गरिनेछ ।

#### २१ निर्देशिकाको व्याख्या गर्ने अधिकार :

यस निर्देशिकाको व्याख्या अनुसन्धान समितिको परामर्शमा प्राज्ञिक परिषद्ले गर्नेछ ।

# Testimonial from the First Ph.D. Graduate of School of Engineering

## Dr. Laxman Poudel



I had a very good learning environment during my time at Kathmandu University. The academic rigor, research culture, and supportive faculty at the School of Engineering greatly contributed to my professional and personal growth. Being the first PhD graduate from the School of Engineering in 2013 is a matter of pride for me. The foundation I built at KU has been instrumental throughout my academic journey.

I am currently working as a Professor at the Department of Mechanical and Aerospace Engineering, Pulchowk Campus, Tribhuvan University. I have also had the opportunity to serve as the Campus Chief of Pulchowk Campus and currently coordinate the Master's program at the department.

# List of Ph.D. Graduates

| Name                       | Prachand Man Pradhan  |
|----------------------------|---|
| Dissertation Title         | Composite action of partial infill wall in reinforced concrete frame under lateral load |
| Supervisor (s)             | Dr.Prajwal Lal Pradhan, Prof. Dr. Ramesh Kumar Maskey                                   |
| Program                    | Civil Engineering   |
| <b>Enrollment Year</b>     | 2009  |
| <b>Completion Year</b>     | 2014  |
| <b>Current Affiliation</b> | Professor, Kathmandu University   |
| Mode                       | Part Time   |
| Email Address              | prachand@ku.edu.np  |

| Name                       | Shyam Sundar Khadka  |
|----------------------------|--|
| Dissertation Title         | Tunnel closure analysis of hydropower tunnels in lesser himalayan region of Nepal through case studies |
| Supervisor (s)             | Dr. Ramesh Kumar Maskey, Dr. Seokwon Jeon  |
| Program                    | Civil Engineering  |
| <b>Enrollment Year</b>     | 2013   |
| <b>Completion Year</b>     | 2019   |
| Full Thesis Link           |  |
| <b>Current Affiliation</b> | Associate Dean, Kathmandu University School of Engineering   |
| Mode                       | Part Time  |
| <b>Email Address</b>       | sskhadka@ku.edu.np   |

| Name                       | Suman Shrestha   |
|----------------------------|--|
| Dissertation Title         | Rainfall thresholds for shallow landslides and stone quarries impacts on sedimentation in Roshi Watershed Kavrepalanchok |
| Supervisor (s)             | Prof. Dr. Hari Krishna Shrestha, Prof. Dr. Prachand Man Pradhan  |
| Program                    | Civil Engineering  |
| <b>Enrollment Year</b>     | 2019   |
| <b>Completion Year</b>     | 2025   |
| <b>Current Affiliation</b> | Kathmandu University   |
| Mode                       | Part Time  |
| <b>Email Address</b>       | suman.shrestha@ku.edu.np   |

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| Name                       | Umesh Jung Thapa  |
|----------------------------|---|
| Dissertation Title         | Seismic response analysis of underground structures in the Himalayan region |
| Supervisor (s)             | Assoc. Prof. Dr. Shyam Sundar Khadka  |
| Program                    | Civil Engineering   |
| <b>Enrollment Year</b>     | 2022  |
| <b>Completion Year</b>     | 2025  |
| <b>Current Affiliation</b> | Kathmandu University  |
| Mode                       | Full Time   |
| Email Address              | umeshjthapa@gmail.com   |

| Name                   | Purusottam Kharel  |
|------------------------|--|
| Dissertation Title     | Strategic framework for the implementation of e-Government: Nepal case |
| Supervisor (s)         | Prof. Dr. Kanhaiya Jha; Prof. Dr. Subarna Shakya                       |
| Program                | Computer Engineering   |
| <b>Enrollment Year</b> | 2009   |
| <b>Completion Year</b> | 2015   |
| Mode                   | Part Time  |

| Name                       | Bal Krishna Bal   |
|----------------------------|---|
| <b>Dissertation Title</b>  | Computational linguistic model for analyzing opinionated texts        |
| Supervisor (s)             | Prof. Patrick Saint-Dizier; Prof. Patrick A.V. Hall                   |
| Program                    | Computer Engineering  |
| <b>Enrollment Year</b>     | University of Paul Sabatier, France: 2008; Kathmnadu University: 2012 |
| <b>Completion Year</b>     | 2015  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Associate Dean, School of Engineering, KU                             |
| Mode                       | Full Time   |
| Email Address              | bal@ku.edu.np   |

| Name                   | Pranita Upadhyaya                             |
|------------------------|---|
| Dissertation Title     | E- Government security architecture for Nepal |
| Supervisor (s)         | Dr.Subarna Shakya; Dr.Manish Pokharel         |
| Program                | Computer Engineering                          |
| <b>Enrollment Year</b> | 2012  |
| <b>Completion Year</b> | 2016  |

| Name                       | Sushil Shrestha                               |
|----------------------------|---|
| Dissertation Title         | Learner based model in online learning system |
| Supervisor (s)             | Prof. Dr. Manish Pokharel                     |
| Program                    | Computer Engineering                          |
| <b>Enrollment Year</b>     | 2017  |
| <b>Completion Year</b>     | 2021  |
| <b>Current Affiliation</b> | Kathmandu University, DOCSE                   |
| Mode                       | Part Time                                     |
| Email Address              | sushil@ku.edu.np                              |

| Name                   | Ganesh Gautam   |
|------------------------|---|
| Dissertation Title     | Infrastructure analysis and IoT framework development for smart city in Nepal |
| Supervisor (s)         | Dr.Gajendra Sharma  |
| Program                | Computer Engineering  |
| <b>Enrollment Year</b> | 2018  |
| <b>Completion Year</b> | 2022  |

| Name                   | Sameer Kharel   |
|------------------------|---|
| Dissertation Title     | Exploration of novel usability methodologies for transcending the gap between apps and the web for same service delivery in different media |
| Supervisor (s)         | Dr. Bal Krishna Bal; Dr. Mikel Frenstrom  |
| Program                | Computer Engineering  |
| <b>Enrollment Year</b> | 2019  |
| <b>Completion Year</b> | 2022  |
| Email Address          | samir_kharel@ku.edu.np  |

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| Name                       | Pankaj Raj Dawadi  |
|----------------------------|--|
| Dissertation Title         | Intelligent transportation system in Nepal: Investigation of implementation challenges of license plate, smart intersection, and autonomous navigation |
| Supervisor (s)             | Dr. Manish Pokharel, Dr. Bal Krishna Bal   |
| Program                    | Computer Engineering   |
| <b>Enrollment Year</b>     | 2018   |
| <b>Completion Year</b>     | 2025   |
| <b>Current Affiliation</b> | Head of Department of Computer Science and Engineering, Kathmandu University,  |
| Mode                       | Part Time  |
| Email Address              | pdawadi@ku.edu.np  |

| Name                   | Shreeniwas Sharma  |
|------------------------|--|
| Dissertation Title     | Algorithmic colorways for graphic designs                        |
| Supervisor (s)         | Assoc. Prof. Dr. Jyoti Tandukar, Assoc. Prof. Dr. Rabindra Bista |
| Program                | Computer Engineering   |
| <b>Enrollment Year</b> | 2013   |
| <b>Completion Year</b> | 2024   |
| Mode                   | Part Time  |
| Email Address          | shree220@gmail.com   |

| Name                       | Shailendra Kumar Jha                               |
|----------------------------|--|
| Dissertation Title         | Interconnection and control of multiple microgrids |
| Supervisor (s)             | Prof. Dr. Uhlen Kjetil, Prof. Dr. Petter Stoa      |
| Program                    | Electrical and Electronics Engineering             |
| <b>Enrollment Year</b>     | 2011   |
| <b>Completion Year</b>     | 2018   |
| <b>Current Affiliation</b> | Kathmandu University, DOEE, KU                     |
| Mode                       | Part Time  |
| Email Address              | shailendra@ku.edu.np                               |

| Name                   | Surendra Lal Hada   |
|------------------------|---|
| Dissertation Title     | Design and optimization of mode splitter for multimode communication system |
| Supervisor (s)         | Prof. B.M.A Rahman; Prof. Bhupendra Bimal Chhetri                           |
| Program                | Electrical and Electronics Engineering                                      |
| <b>Enrollment Year</b> | 2012  |
| <b>Completion Year</b> | 2019  |

| Name                       | Diwakar Bista  |
|----------------------------|--|
| Dissertation Title         | Appropriateness of modern lighting interventions for heritage sites and monuments of Nepal |
| Supervisor (s)             | Prof. Bhupendra B. Chhetri   |
| Program                    | Electrical and Electronics Engineering   |
| <b>Enrollment Year</b>     | 2017   |
| <b>Completion Year</b>     | 2021   |
| <b>Current Affiliation</b> | Kathmandu University, DOEE, KU   |
| Mode                       | Part Time  |
| Email Address              | diwakarbista@ku.edu.np   |

| Name                       | Subash Ghimire  |
|----------------------------|---|
| Dissertation Title         | Developing land valuation mode for land acquisition in infrastructure development: A livelihood perspective |
| Supervisor (s)             | Prof. Sagar Raj Sharma, Prof. Monica Lengoiboni   |
| Program                    | Geomatics Engineering / Land Administration   |
| <b>Enrollment Year</b>     | 2014  |
| <b>Completion Year</b>     | 2019  |
| <b>Current Affiliation</b> | Kathmandu University  |
| Mode                       | Part Time   |
| Email Address              | subash_ghimire@ku.edu.np  |

| Name                       | Uma Shankar Panday  |
|----------------------------|---|
| Dissertation Title         | Upscaling crop yield using Earth observation data                 |
| Supervisor (s)             | Assoc. Prof. Dr. Jagannath Aryal, Prof. Dr. Rijan Bhakta Kayastha |
| Program                    | Geomatics Engineering   |
| <b>Enrollment Year</b>     | 2019  |
| <b>Completion Year</b>     | 2024  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Kathmandu University  |
| Mode                       | Part Time   |
| Email Address              | uspanday@ku.edu.np  |

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| Name                       | Laxman Poudel   |
|----------------------------|---|
| Dissertation Title         | Study of sediment characterization and its Impact on hydraulic turbine material |
| Supervisor (s)             | Prof. Bhola Thapa, Prof. Bim Prasad Shrestha                                    |
| Program                    | Mechanical Engineering  |
| <b>Enrollment Year</b>     | 2007  |
| <b>Completion Year</b>     | 2013  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Professor, Tribhuwan University   |
| Mode                       | Part Time   |
| Email Address              | laxman@ioe.edu.np   |

| Name                       | Krishna Prasad Shrestha                                  |
|----------------------------|--|
| Dissertation Title         | Design and analysis of Francis turbine for sediment load |
| Supervisor (s)             | Prof. Ole Gunnar Dahlhaug; Prof. Dr. Bhola Thapa         |
| Program                    | Mechanical Engineering                                   |
| <b>Enrollment Year</b>     | 2011   |
| <b>Completion Year</b>     | 2017   |
| <b>Current Affiliation</b> | Kathmandu University                                     |
| Mode                       | Part Time  |
| Email Address              | kp@ku.edu.np   |

| Name                       | Sailesh Chitrakar                                      |
|----------------------------|--|
| <b>Dissertation Title</b>  | Secondary flow and sediment erosion in Francis turbine |
| Supervisor (s)             | Prof. Hari Prasad Neopane; Prof. Ole Gunnar Dahlhaug   |
| Program                    | Mechanical Engineering                                 |
| <b>Enrollment Year</b>     | 2015   |
| <b>Completion Year</b>     | 2018   |
| Full Thesis Link           |  |
| <b>Current Affiliation</b> | Kathmandu University                                   |
| Mode                       | Full Time  |
| Email Address              | sailesh@ku.edu.np                                      |

| Name                      | Oblique Shrestha   |
|---------------------------|--|
| <b>Dissertation Title</b> | Development of sediment friendly cross flow hydro turbine            |
| Supervisor (s)            | Prof. Hari Prasad Neopane; Prof. Dr. Bhola Thapa; Prof. Young-Ho Lee |
| Program                   | Mechanical Engineering   |
| <b>Enrollment Year</b>    | 2015   |
| <b>Completion Year</b>    | 2022   |
| Mode                      | Full Time  |
| Email Address             | obliqueshrestha@gmail.com  |

| Name                       | Ram Lama  |
|----------------------------|---|
| Dissertation Title         | Optimization of Francis turbine runner and guide vane for minimizing sediment erosion |
| Supervisor (s)             | Prof. Dr. Hari Prasad Neopane; Prof. Dr. Biraj Singh Thapa                            |
| Program                    | Mechanical Engineering  |
| <b>Enrollment Year</b>     | 2017  |
| <b>Completion Year</b>     | 2021  |
| <b>Current Affiliation</b> | Coordinator, Academia Industry Cooperation, Kathmandu University                      |
| Mode                       | Full Time   |
| Email Address              | ram.lama@ku.edu.np  |

| Name                       | Nawaraj Sanjel   |
|----------------------------|--|
| Dissertation Title         | Modelling and optimizing of renewable energy systems for holistic community development of Nepal |
| Supervisor (s)             | Dr. Bivek Baral  |
| Program                    | Mechanical Engineering   |
| <b>Enrollment Year</b>     | 2018   |
| <b>Completion Year</b>     | 2022   |
| <b>Current Affiliation</b> | Freelancer   |
| Mode                       | Part Time  |
| Email Address              | sanjelnawaraj@ku.edu.np  |

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| Name                       | Prajwal Sapkota   |
|----------------------------|---|
| Dissertation Title         | Condition monitoring of fault induced hydraulic turbine |
| Supervisor (s)             | Prof. Dr. Bhola Thapa,<br>Prof. Dr. Hari Prasad Neopane |
| Program                    | Mechanical Engineering                                  |
| <b>Enrollment Year</b>     | 2019  |
| <b>Completion Year</b>     | 2025  |
| <b>Current Affiliation</b> | Kathmandu University                                    |
| Mode                       | Full Time   |
| Email Address              | prajwal.sapkota@ku.edu.np                               |

| Name                       | Kushal Shrestha   |
|----------------------------|---|
| Dissertation Title         | Investigation of erosion in guide vane and its impact on Francis turbine runner                             |
| Supervisor (s)             | Prof. Dr. Bhola Thapa, Asst. Prof. Dr. Sailesh Chitrakar, Prof. Dr. Zhingdong Qian, Assoc. Prof. Zhiwei Guo |
| Program                    | Mechanical Engineering  |
| <b>Enrollment Year</b>     | 2022  |
| <b>Completion Year</b>     | 2025  |
| <b>Current Affiliation</b> | Turbine Testing Lab, Kathmandu University   |
| Mode                       | Full Time   |
| Email Address              | kushal.shrestha@gmail.com   |

# **School of Management**

Doctorate of Philosophy (PhD) in Management Program Regulations Revised approved by Academic council No. 145 in November 14, 2024

### 1. Preliminary

The Doctorate of Philosophy (PhD) in Management Program Regulations (hereinafter called the PhD in Management Regulations) has been prepared by the School of Management (hereinafter School) with approva! from the Research Committee in accordance with the provision of Clause 23 (2) of Kathmandu University Research Related Rules 2062 (amendment in 2068 and 2074) (hereinafter called the Rules) and will come into force from the date of approval from Kathmandu University Academic Council.

The PhD in Management Program of the School of Management (hereinafter called the PhD Program) shall be regulated by the following objectives, guidelines and rules.

#### 2. Objectives of the Program

PhD in Management is an advanced research degree program that offers substantial foundation to the PhD candidates (hereinafter called the **candidates**) in advanced theory, research and analytical skills to help them pursue advanced study in management and conduct high quality research independently in their fields. Candidates pursuing this program will acquire advanced knowledge in conceptual and analytical skills and will, therefore, have enriched research capability for advancing management knowledge, practice and profession.

### 3. Applicant's Academic Qualification

The PhD Program is open to Nepali and non-Nepali nationals with:

- a. Minimum 17 years of schooling completed
- b. An MPhil in Management or other related area.
- Two masters' degrees with at least one in management or economics with strong academic record; the degrees should be from universities recognized by Kathmandu University;
- d. Minimum CGPA of 3.25 on a scale of 4.0 or 60 percent in aggregate

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 e. Anyone with MPhil in other area may require to complete courses not covered at in such MPhil but required for PhD.

# 4. Admission Process and Selection Criteria

- a. The School shall conduct an admission test (e.g. written examination), research presentation and personal interview to select candidates for admission. The admission will be performed through a PhD Admission Committee the School.
- b. A proposal in the intended area of research
- c. Selection of the candidate shall be based on:
  - (i) Merit of academic achievements;
  - (ii) Scores of Admission Test;
  - (iii) Personal interview:
  - (iv) Evaluation of published or presented research articles;
  - (v) Presentation and/or oral examination on submitted proposal/ research article;

#### 5. Seminar

- a. Specialization areas available in PhD program are: Finance, General Management, Human Resources and Organizational Behavior, and Marketing, Entrepreneurship, Public policy and Management
- b. A student is required to complete Advanced Seminars in his area.
- c. The Advanced Seminar in the specialization area comprises 4 well-researched, literature- review-based, seminar presentations in the area of candidate's research. The seminar course is designed to help the candidate in developing and fine-tuning research proposal. Topics for the advanced seminar are decided by the principal supervisor.

### 6. Enrolment and Registration

- a. Enrolment for the PhD Program shall be either in the Fall semester (August) or the Spring semester (February).
- b. A candidate will be registered in the PhD Program either as a <u>full time</u> or a <u>part time</u> research student. A full time research student requires to work full time in the School as a research assistant and will be associated with a faculty to assist him in teaching

As purided 2 in den's office and research. Fees for such researchers will be waived. A candidate unable to attend the School as a full-time researcher shall be registered as part-time student. Such candidate must submit approval from his/her employer to pursue the study. Any KU faculty pursuing PhD without taking study leave will be considered part-time researcher and his/her fees will be waived.

c. A selected candidate will be enrolled in PhD and duly registered only after the admission/registration is approved by the PhD Admission Committee.

### 7. Duration of Study/ Research

- a. The period of candidature for a full-time PhD candidate shall be three to five years, whereas for a part-time PhD candidate the period shall be four to eight years. Full-time researchers are permitted to submit their dissertation only after 3 whereas Part-time researchers only after 4 years from the date of registration.
- b. In the case a student fails to complete the PhD program requirements within the maximum period allowed, the Research Committee, by reviewing the circumstances, may offer him/her maximum one-year extension on recommendation of the principal supervisor.
- c. A candidate failing to complete the thesis within prescribed time as mentioned in 7
  (b) will have his/her registration annulled automatically. In such case, he may apply and get re-registered to pursue PhD degree.
- Registration / other fees for extended year will be borne by the candidate as per the University's regulation.

### 8. Attendance

Depending on the nature of research, a Full-time researcher is required to be present in the School for certain hours weekly to conduct research work, as determined by the School.

### 9. Dissertation Supervisory Committee

a. Upon admission to the PhD program, the Research Committee will form PhD Supervisory Committee of maximum three academics: principal supervisor, joint supervisor and co-supervisor, for supervision and guidance on the dissertation. The

Who will

- Research Committee will appoint the joint supervisor and/ or co-supervisor on the recommendation of the principal supervisor.
- b. All supervisors must have PhD. The principal supervisor and joint -supervisor must be at least associate professors. The principal supervisor is required to have minimum five publications in ranked peer-reviewed journals, or have minimum 10 years' teaching experience in a university. The joint supervisor is required to have minimum three publications in ranked peer-reviewed journals or have minimum of seven years teaching experience. The co-supervisor must be at least an assistant professor with minimum 2 publications in refereed journals.
- c. The Research Committee, if necessary, may appoint a principal or co- supervisor with a PhD from outside the university having expertise in the candidate's area of research. Such supervisors will be paid remuneration as per rules and regulations of Kathmandu University.
- d. At any time, a professor and an associate professor can only supervise maximum 5 and 4 PhD students respectively.
- e. The PhD Supervisory Committee has the following duties, among others:
  - (i) the supervisors shall be responsible for ensuring the progress and the quality of PhD research done:
  - (ii) guide and advise the candidate in his/her research work by providing necessary academic supports, resources, and linkages;
  - (iii) obtain progress report on dissertation from the candidate every semester, and report on candidate's progress to the Research Committee every semester through the Coordinator.
  - (iv) comment and give feedback on the drafts of the research and advise for improvement;
  - (v) ensure the quality of the research process and output;
  - (vi) instruct the candidate to carry out necessary actions for completing the thesis with high quality and in time;
  - (vii) advise the Research Committee on candidate's progress and quality of the research work, and recommend the names of external examiners for dissertation; and

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(viii) ensure that recommended amendments in dissertation are addressed as suggested by the Research Committee.

# 10. Transfer to/from Other Institution to Work on Dissertation

- a. The Dean can allow a candidate to transfer to another location/institution, domestic or foreign, to conduct the research work if necessary.
- b. A PhD candidate from other universities can be transferred to the School under the following conditions:
  - i) S/He must have fulfilled pre-requisite as per the requirements of KU.
  - S/He has not submitted dissertation or participated in viva-voce in the registered universities.
  - iii) The candidate should be registered for at least a year at his/her original university.
  - S/He must submit recommendation letter from the university and /or the supervisor.
  - v) The candidate must have English language proficiency.
  - vi) A candidate meeting the above criteria is required to get the Research Committee's approval for the transfer. In such case, transfer of maximum 1.5 years' equivalent of research work may be permitted.

### 11. Prohibition of Employment/Study Elsewhere

- A full-time candidate cannot partake in employment elsewhere during his/her PhD research without the Research Committee's consent.
- b. A candidate cannot study in another academic program during his/her PhD study without permission from the Research Committee.

#### 12. Research Proposal

a. A candidate shall prepare a detailed research proposal under the guidance of the Supervisory Committee. S/he should complete the seminar presentations and defend it within one year of admission into the PhD program.



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- b. The candidate shall present the proposal to the Research Committee, in which faculty of the School or other experts, other PhD candidates, and interested students from other graduate programs of the School may be invited.
- c. The Research Committee shall approve the proposal in writing; only after which the candidate shall formally start his/her research work. The candidate is expected to refine, revise, and amend the proposal based on feedback from the defense, if any, before getting formal approval.

# 13. Completion and Submission of Dissertation

- Format of the dissertation should be as specified in Anusuchi-3 of Anusandhan Nirdeshika 2062-2068-2074.
- b. The dissertation submitted for examination to the Dean's Office should satisfy the following requirements:
  - i) It must be an independent and original piece of research by the candidate.
  - It must demonstrate satisfactory use of academic research competency and make contribution to the existing knowledge in the related field.
  - iii) It must be satisfactory in terms of language and presentation.
  - iv) It must be written in English following the format and style prescribed by the Research Committee.
- c. The candidate, after completion of research, must submit the following items to Dean's Office via Coordinator.
  - 4 hard-bound copies of dissertation
  - ii) A summary of the nature of research done and contribution made
  - iii) A certification form is required from Supervisory Board members, "The dissertation, an original work of the researcher, is successfully completed under our guidance and is being submitted for evaluation."
  - iv) A list of publications by the candidate during his/her PhD study.
  - The candidate must submit two journal articles written during PhD study, which are published in reputed journals.



## 14. Examination of Thesis - Selection of External Examiners and Viva-Voce Committee

- a. The candidate shall make a mid-term presentation of his/her research findings at a time planned by the Coordinator of the PhD program.
- b. The Research Committee, upon recommendation of the principal supervisor shall recommend the Dean to appoint two subject area experts as external examiners, of which at least one should be from a KU recognized foreign university. External examiners must have PhD and must be working at least as associate professors. External examiners should base their evaluation on criteria provided by the Research Committee. The thesis will be evaluated using the following criteria.
  - (i) Clarity of research problem
  - (ii) New knowledge and explanation of its relationship, and gap with current knowledge
  - (iii) Presentation of research method
  - (iv) Grammatically correct language and lucid presentation
  - (v) Authenticity of data used and pursuance of research ethics, including its application to human subjects.
  - (vi) Quality and standard of research as contribution to the field
- c. The Dean's Office shall organize a viva-voce examination at a date and time determined by the Office after acceptance of the dissertation by both external examiners. In the case of differing views of both examiners, the thesis will be sent to a third examiner, selected by the Research Committee. At least two external examiners must accept the research as deserving the PhD degree.
- d. Amendments suggested by the external examiners must be addressed before submitting the dissertation for viva-voce.
- e. The viva-voce examination will be conducted by a Committee comprising Research Committee members, Supervisory Committee members, an expert appointed by the Vice Chancellor and one or more external examiners. The Research Committee may invite students, faculty of the School and may even open the viva to the public. The Research Committee may invite Controller of the Examinations in the viva. After the presentation of dissertation by the candidate, the viva-voce examination will be conducted by the Committee members...

and

- f. The Coordinator shall circulate in advance a synopsis of the dissertation to all invitees.
- g. The candidate shall incorporate the comments raised during defense and submit the amended dissertation to the Dean's office through the Chair of Supervisory Committee.
- h. The Research Committee members, external examiners and the experts shall evaluate the dissertation in the prescribed format and conclude the evaluation report with one of the following recommendations:
  - (i) The dissertation be accepted without further alteration.
  - (ii) The dissertation be accepted, subject to typographical errors being amended.
  - (iii) The dissertation be accepted, subject to amendments being completed.
  - (iv) The candidate is required to re-register to complete further work and the dissertation be resubmitted for examination on the date and time decided by the Research Committee.
- i. The quality of dissertation will be evaluated as satisfactory/unsatisfactory.

#### 15. Acceptance of the Dissertation

Suggestions for improvements by the external examiners shall be forwarded to the researcher for amendments. Acceptance of the dissertation by both external examiners is a precondition for arranging the viva-voce examination. If the dissertation is rejected by one of the external examiners, the Research Committee will decide on a third external examiner for further evaluation. If the third examiner rejects it, the thesis will be considered unacceptable for the award of PhD. In this case, the candidate will be suggested to start another research, if time permits, or will be released from the PhD program.

#### 16. Award of the Degree

- a. The candidate is considered for award of PhD degree upon receipt of proof of publications of at least one research paper from his/her research study area in refereed journals).
- b. The Dean of the School, after compiling the evaluations from the viva voce examination, shall recommend to the Controller of Examinations for processing of the candidate's result by the University's Examination Board.

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- c. The Examination Board shall announce the candidate's result.
- d. The successful candidate shall be awarded the degree of PhD in Management (Specialization Area) as per the regulations of the University.

### 17. Plagiarism and Appeal

- a. Plagiarism, i.e. copying from one or more published sources without proper citation, is
  a serious offence and, if proven, will result in rejection of the thesis.
- b. The Research Committee will also perform an Ethics Committee, and with the help of experts in the area, it may investigate and take action against any act of plagiarism.
- c. If the related party finds the decision taken by the Research Committee regarding the complaint against plagiarism unsatisfactory, appeal can be launched to the Academic Council via Registrar within thirty days of the decision made by Research Committee.
- d. Concerns, suggestions, feedback and complaints related to the Supervisory Committee on such matters as support, feedback, evaluation, behavior, and conflict in the research issue should be communicated in the following sequence:
  - (i) Communication/ discussion with the principal supervisor and the concerned member(s) of the Committee.
  - (ii) Communication/ discussion with the concerned program coordinator (if discussion as suggested in step (i) does not fully address the issue).
  - (iii) Communication/ discussion in the Research Committee (if discussions as suggested in steps (i) and (ii) do not fully address the issue).

## 18. Ownership of Intellectual Property

The candidate reserves the intellectual property right on his/her PhD dissertation. However, the candidate shall seek permission from the University for publishing or making a commercial use of his/ her output/ product, in which case the University shall share the benefit equally from such use as per the University's regulations.



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### 19. Miscellaneous

- a. In order to ensure the quality of the PhD Program and the research work of the candidates, the Research Committee shall initiate and propose necessary actions relating to its modus operandi.
- b. The provisions specified in the PhD in Management Regulations shall be executed by the Dean of the School.

  Regulations shall be executed by the Dean of the School.

# Testimonial from the First Ph.D. Graduate of School of Management

# Dr. Arjun Kumar Shrestha



Dr. Arjun Kumar Shrestha successfully completed his Ph.D. in Management from Kathmandu University School of Management in 2020. His doctoral research, titled "Workplace spirituality: Conceptualization and measurement in an Eastern context", made a significant contribution to the field by offering a culturally grounded framework for understanding and measuring workplace spirituality. His work demonstrates strong theoretical rigor, methodological precision, and practical relevance, reflecting his commitment to advancing knowledge and fostering humanistic values in organizational settings.

# List of Ph.D. Graduates

| Name                       | Arjun Kumar Shrestha  |
|----------------------------|---|
| Dissertation Title         | Workplace spirituality: Conceptualization and measurement in an Eastern context |
| Supervisor (s)             | Asst. Prof. Dr. Pawinee Petchsawang, Prof. Dr. Bal Chandra Luitel               |
| Program                    | Management  |
| <b>Enrollment Year</b>     | 2014  |
| <b>Completion Year</b>     | 2020  |
| <b>Current Affiliation</b> | Associate Professor, Kathamndu University School of Management                  |
| Mode                       | Part Time   |
| Email Address              | arjun@kusom.edu.np  |

| Name                   | Dipak Prasad Bastola  |
|------------------------|---|
| Dissertation Title     | Organizational performance from leadership perspectives: A multiple case study of Nepal Airlines industry                 |
| Supervisor (s)         | Prof. Dr. Binod Krishna Shrestha, Assoc. Prof. Prakash Chandra Bhattarai  |
| Program                | Management  |
| <b>Enrollment Year</b> | 2014  |
| <b>Completion Year</b> | 2020  |
| Current Affiliation    | Visiting Faculty at Kathamndu University School of Management, T.U. and Liberty College (Affilated to Pokhara University) |
| Mode                   | Part Time   |
| Email Address          | dp_bastola@hotmail.com  |

| Name                       | Dipendra Karki  |
|----------------------------|---|
| Dissertation Title         | Investor's behaviors, momentum effects and price efficiency in Nepal stock market |
| Supervisor (s)             | Prof. Dr. Bijay KC, Prof. Dr. Devi Bedari   |
| Program                    | Management  |
| <b>Enrollment Year</b>     | 2016  |
| <b>Completion Year</b>     | 2022  |
| <b>Current Affiliation</b> | Tribhuwan University  |
| Mode                       | Part Time   |
| Email Address              | dipendra.karki@ncc.tu.edu.np  |

| Name                       | Jyoti Regmi Adhikary  |
|----------------------------|---|
| Dissertation Title         | Career sucess and its enablers for Nepali women executives in organizations: A case study |
| Supervisor (s)             | Prof. Dr. Binod Krishna Shrestha, Assoc. Prof. Prakash Chandra Bhattarai                  |
| Program                    | Management  |
| <b>Enrollment Year</b>     | 2016  |
| <b>Completion Year</b>     | 2023  |
| <b>Current Affiliation</b> | Associate Professor, Kathamndu University School of Management                            |
| Mode                       | Part Time   |
| Email Address              | jyoti@kusom.edu.np  |

# **School of Science**

# काठमाडौं विश्वविद्यालय स्कुल अफ साइन्स अनुसन्धान सम्बन्धी निर्देशिका, २०६२

(प्रथम संशोधन- २०५८ / दोस्रो संशोधन - २०७४ / तेस्रो संशोधन - २०७६ / चौथो संशोधन - २०८०)

### खण्ड 'ख'

काठमाडौँ विश्वविद्यालय अनुसन्धान सम्बन्धी नियम, २०६२ को दफा ४.३ को प्रयोजनका लागि अनुसन्धान समितिको सिफारिसमा ऐ. ऐ. को दफा ४.४ ले दिएको अधिकार प्रयोग गरी प्राज्ञिक परिषद्वाट स्वीकृत भएको ।

# विद्यावारिधि (PhD) तह

### १. परिभाषा :

विषय वा प्रसङ्गले अर्को अर्थ नलागेमा यस निर्देशिकामा -

- (क) 'विश्वविद्यालय' भन्नाले काठमाडौँ विश्वविद्यालय ऐन, २०४८ बमोजिम स्थापना भएको काठमाडौँ विश्वविद्यालय सम्भन्पर्दछ ।
- (ख) 'नियम' भन्नाले काठमाडौँ विश्वविद्यालय अनुसन्धान सम्बन्धी नियम, २०६२ र यसको संशोधित रूप सम्भनपर्दछ ।
- (ग) 'अनुसन्धान समिति' भन्नाले काठमाडौं विश्वविद्यालय अनुसन्धान सम्बन्धी नियम, २०६२ को नियम २.१ अनुसार गठन गरिएको अनुसन्धान समितिलाई जनाउनेछ।
- (घ) 'विद्यावारिधि (PhD)' भन्नाले विश्वविद्यालयद्वारा प्रदान गरिने विद्यावारिधि (PhD) को शैक्षिक उपाधि सम्भन्पर्दछ ।
- (ङ) 'शोधार्थी' भन्नाले विद्यावारिधि (PhD) तहमा अनुसन्धान गर्ने व्यक्ति सम्भन्पर्दछ ।
- (च) 'शोधपत्र' भन्नाले विद्यावारिधि (PhD) तहमा अनुसन्धान गर्ने शोधार्थीवाट प्रस्तुत गरिने अनुसन्धानात्मक लेख (Dissertation) सम्भन्पर्दछ ।
- (छ) 'वाह्य परीक्षक' भन्नाले निर्देशिकाको दफा १३ अन्तर्गत डिनले मनोनीत गरेका विषयगत वा अन्तर्विषयका विशेषज्ञहरू सम्भन्पर्दछ ।
- (ज) 'शोधनिर्देशक' भन्नाले शोधनिर्देशन कार्य गर्ने व्यक्तिलाई सम्भन्पर्दछ ।
- (भ) 'प्रमुख सुपरिवेक्षक' (Principal Supervisor) भन्नाले अनुसन्धानमा शोधार्थीलाई सुपरिवेक्षण गर्न डिनबाट तोकिएको शोध सुपरिवेक्षक सम्भन्पर्दछ।
- (त्र) 'संयुक्त सुपरिवेक्षक' (Joint Supervisor) भन्नाले प्रमुख सुपरिवेक्षकसँग सहकार्य गर्न प्रमुख सुपरिवेक्षकको सिफारिसमा डिनबाट तोकिएको व्यक्ति सम्भनुपर्दछ ।
- (ट) 'सहसुपरिवेक्षक' (Co-Supervisor) भन्नाले प्रमुख सुपरिवेक्षकको सिफारिसमा डिनबाट शोधार्थीलाई सुपरिवेक्षण गर्न तोकिएको व्यक्ति सम्भनुपर्दछ ।
- (ठ) 'शोधपरामर्शदाता' भन्नाले शोधनिर्देशकलाई परामर्श दिने विषयगत वा अन्तर्विषयका विशेषज्ञहरू सम्भन्नपर्दछ ।
- (इ) 'शोधप्रस्ताव' भन्नाले विद्यावारिधि (PhD) तहको अनुसन्धान कार्यका लागि प्रस्तुत गरिने Research Proposal सम्भन्पर्दछ ।
- (ढ) 'तोकिएको वा तोकिए बमोजिम' भन्नाले ऐन अन्तर्गत बनेका नियम-निर्देशिकामा तोकिएको वा तोकिए बमोजिम सम्भन्पर्दछ ।

मिति २०६० माघ १४ गते सोमबार बसेको कार्यकारी परिषदको बैठक त. ५०९ बाट संशोधित

२. आवेदनका लागि योग्यता :

विभिन्न तहमा गरी कमसेकम १७ वर्षको (१०+२+३+२) अध्ययन अविधका आधारमा सम्बन्धित विषयमा स्नातकोत्तर (मास्टर्स) तहको परीक्षामा न्यूनतम प्रथम श्रेणीमा (First Division) उत्तीर्ण वा Cumulative Grade Point Average (CGPA) 3.0 अथवा सो सरह प्राप्त गरेको हुनुपर्नेछ ।

स्पष्टीकरण:

आवश्यक अध्ययन अविध पूरा नभएकाको हकमा सम्बन्धित विभागवाट सञ्चालित कार्यक्रमहरूमा भर्ना भई आवश्यक न्यूनतम योग्यता हासिल गरेपछि मात्र विद्यावारिधि (PhD) का लागि आवेदन लिन सिकनेछ । सम्बन्धित विभागमा यस्ता कार्यक्रमहरू सञ्चालन भएको छैन वा एक व्यक्तिका लागि मात्र आवश्यक कोर्सहरू सञ्चालन गर्न सिकदैन भने सम्बन्धित विभागले त्यस्ता व्यक्तिहरूको आवेदन अस्वीकृत गर्न सक्दछ ।

# ३. आवेदन प्रक्रिया र छनोट समितिको गठन :

 (क) दफा २ मा तोकिएको योग्यता पुगेका उमेदवारले तोकिएको अवधिभित्र अनुसूची - १ मा तोकिएको आवेदन फारमको ढाँचामा तोकिए बमोजिम आवेदन शुल्क बुक्ताई सम्बन्धित विभाग मार्फत अनुसन्धान समिति समक्ष आवेदन दिनुपर्नेछ ।

(ख) उमेदवारले आफूले विशिष्टीकरण गर्न चाहेको क्षेत्रसँग सम्बन्धित विषयमा विद्यावारिधि
 (PhD) अनुसन्धानमा संलग्न हुन सम्बन्धित विभागले मूल्याङ्गन गर्दा प्रवेश परीक्षा आवश्यक भए लिखित वा अन्तर्वार्ता वा दुवै प्रकारका परीक्षाहरू विभागद्वारा सञ्चालन

हनेछन ।

- (ग) विभागले मूल्याङ्गन गरी उपयुक्त भए पढ्नुपर्ने कोर्स वा अन्य सर्तहरू तोकी शोधनिर्देशक मनोनयन गरेर दर्ताको सिफारिससिहत डिनमार्फत अनुसन्धान सिमितमा अनुमोदनका लागि सिफारिस गर्नेछ । यो प्रयोजनका लागि विभागले विभागीय स्तरमा एक छनोट सिमित (Selection Committee) गठन गर्नेछ । विभागीय प्रमुख वा सो सरहको व्यक्ति संयोजक रहने गरी गठित यो छनोट सिमितिमा विभागीय प्रमुख सिहत ३ देखि ५ जनासम्म सदस्य रहनेछन् । शोधार्थीदेखि शोधनिर्देशकसम्मको छनोटको सिफारिस यो सिमितिले गर्नेछ । शोधनिर्देशकको सिफारिस गर्दा सिमितिले शोधार्थीको प्रस्ताव र प्रस्तावित शोधनिर्देशकको विशेषज्ञतालाई आधार मानी कार्य गर्नेछ ।
- (घ) विद्यावारिधि (PhD) तहमा नाम दर्ताका लागि स्वीकृत भएका उमेदवारहरूले पाठ्यक्रम लिने क्रममा आवेदकको शैक्षिक योग्यता, तालिम, अनुभव, प्रकाशन आदिको मूल्याङ्गन गरी Credit transfer प्रक्रियाका आधारमा विभागले नाम दर्ताका लागि सिफारिस गर्न सक्नेद्ध।
- अविदकको शैक्षिक योग्यता, तालिम, अनुभव, प्रकाशन आदिको मूल्याङ्गन गर्दा ध्यान दिनुपर्ने क्राहरू निम्न बमोजिम रहनेछन् –
  - कुल औपचारिक शिक्षाको वर्प
  - अनुसन्धान अनुभव
  - तालिम
  - प्रकाशन
  - अन्य उपयुक्त आधारहरू

(च) पूरा समय विश्वविद्यालयमा रही अनुसन्धानमा संलग्न हुन नसक्ने तर अनुसन्धान गर्न चाहने उमेदबारहरू आंशिक शोधकर्ता (Part-time research scholar) मानिनेछन् । यस्ता उमेदबारहरूले आफ्नो कार्यालयको स्वीकृतिसहित Part-time research गर्न निवेदन दिन सक्नेछन् । यस्ता उमेदबारहरूको योग्यता र आवेदन प्रक्रिया पूरा समय अनुसन्धान गर्नेहरूको सरह नै हुनेछ ।

४. शोधार्थीको पाठयक्रम कार्यभार :

(क) सम्बन्धित विभागले स्थायी नाम दर्ता गर्न सिफारिस गरेका उमेदवारहरूको हकमा एक मास्टर्स तह पास गरिसकेपछि गरेका अरू मास्टर्स तह वा माथिका डिग्री तह/डिप्लोमा तह वा अन्य Advanced Level ट्रेनिङ (Theoretical or Practical) का आधारमा थप अध्ययन गर्नु नपर्ने विभागीय राय-सिफारिस ठीक भए अनुसन्धान समितिले उमेदवारलाई निजले विशिष्टीकरण गर्न चाहेको क्षेत्रमा अनुसन्धान सुरु गर्न स्वीकित प्रदान गर्नेछ।

(ख) विभागीय मूल्याङ्गनका आधारमा दर्ताका लागि उपयुक्त ठहऱ्याइएका उमेदवारले कम्तीमा 15 Credit वरावरको कोर्स पुरा गर्नुपर्नेछ ।

(ग) एमफिल वा एमएस गरेका शोधार्थीको हकमा प्रमुख सुपरिवेक्षकले १५ क्रेडिट कोर्स लिन आवश्यक नरहेको भनी सिफारिस गरेको अवस्थामा भने कम्तीमा ९ क्रेडिट कोर्स लिन सिकनेछ ।

(घ) विभागले सिफारिस गर्ने कोर्समा आवश्यकता अनुसार निम्नलिखित विषय समावेश भएको हनपर्नेछ –

(१) अनुसन्धानसँग सम्बन्धित Advanced Courses हुनुपर्ने ।

(२) Research Methodology वा Statistical Analysis सम्बन्धी Courses हुनुपर्ने ।

(३) Self-taught course (बढीमा ३ क्रेडिटसम्म)।

(४) विभागीय प्रमुख र शोधनिर्देशकको सिफारिसमा Seminar, Term paper, Review papers, Presentation (बढीमा २ केडिटसम्म)।

### प्र. नाम दर्ता :

दफा ३ अनुसार योग्य देखिने उमेदवारलाई विभागले सिफारिस गरे अनुसार छानिबन र छलफल गरी अनुसन्धान सिमितिबाट नाम दर्ता गर्न स्वीकृति प्रदान गरिनेछ । अनुसन्धान सम्बन्धी निर्देशिका, २०६२ (दोस्रो संशोधन, २०७४) मा विद्यावारिध (PhD) तहका लागि गरेको व्यवस्था र यसको संशोधित संस्करण बारे जानकारी विद्यार्थी (शोधार्थी) लाई नाम दर्ताको समयमा नै गराउनुपर्नेछ । प्राज्ञिक आचारसंहिता (Academic Code of Integrity), पाठ्यक्रम र प्रकाशन सम्बन्धी कुनै विशेष सर्त वा मन्जुरीनामा बारे नाम दर्ता गर्दा स्पष्ट उल्लेख गर्नुपर्नेछ ।

६. अध्ययन-अनुसन्धानको समयावधि :

(क) विद्यावारिधि (PhD) अध्ययन-अनुसन्धानको समयाविध पूर्णकालीनको हकमा नाम दर्ता भएको मितिले कम्तीमा ३ वर्षको हुनेछ । आशिक समय अनुसन्धान गर्नेहरूले भने दर्ता भएपछि ४ वर्षपछि शोधपत्र बुक्ताउन सक्नेछन् । यसरी दिएको समयसम्म पिन अनुसन्धान पूरा नभए विषयको प्रकृति अनुसार सम्बन्धित विभागीय प्रमुख

- शोधनिर्देशकको सिफारिसमा अनुसन्धान समितिले सो समयावधि १ वर्षसम्म थप गर्न सक्नेद्ध ।
- (ख) विद्यावारिधि अध्ययन समय, नाम दर्ता भएको मितिले पूर्णकालीनको हकमा बढीमा ६ वर्षसम्म र आशिकको हकमा बढीमा ६ वर्षसम्म अध्ययन पूरा गर्न नसक्ने शोधार्थीको दर्ता स्वतः खारेज हुनेछ । स्थानान्तर गरेका उमेदवारको हकमा भने यो समय १.५ वर्ष र ३ वर्षको हुनेछ ।

(ग) तोकिएको समयाविधिभित्र विद्यावारिधि (PhD) अध्ययन पूरा गर्न नसकेका विद्यार्थी (शोधार्थी) को हकमा व्यवस्था गरिएको लाग्ने शुल्क वारे विभागीय प्रमुखमार्फत सम्बन्धित व्यक्तिलाई समयमा नै जानकारी गराउन्पर्नेछ ।

## ७ उपस्थिति :

सम्बन्धित विषय र शीर्षकको प्रकृति अनुरूप उमेदवारले प्रतिहप्ता अनुसन्धान सम्बन्धी काममा संलग्न रहनुपर्ने समय (Working hours) निर्धारण गरी त्यसैका आधारमा विभागले उपस्थिति प्रतिशत तोक्नेछ ।

इ. शोध सुपिरवेक्षणहरू (Dissertation Supervisors) र शोधनिर्देशन सिमिति (Dissertation Advisory Committee) को व्यवस्था र योग्यता :

क) शोध सुपरिवेक्षकका लागि कम्तीमा असिस्टेन्ट प्रोफेसर वा सोभन्दा माथिको व्यक्तिलाई अनुसन्धान समितिले सम्बन्धित विभागको विभागीय प्रमुखको सिफारिसमा शोध सुपरिवेक्षक तोक्नेछ । बढीमा ३ जनासम्म शोध सुपरिवेक्षक नियुक्त गरी निजहरूको सपरिवेक्षणमा शोध निर्देशनकार्य गर्न सिकनेछ ।

ख) शोध सुपरिवेक्षक अनिवार्य रूपमा PhD प्राप्त गरिसकेको हुनुपर्नेछ । प्रमुख सुपरिवेक्षक (Principal supervision) र संयुक्त सुपरिवेक्षक (Joint supervisor) कम्तीमा असिस्टेन्ट प्रोफेसर वा सो सरहको पदमा विश्वविद्यालय तहमा ५ वर्ष पूर्णकालीन कार्यानुभव भएको र सूचीकृत जर्नल वा विश्वविद्यालय अनुदान आयोग (UGC) बाट मान्यताप्राप्त जर्नलमा विद्यावारिधिपश्चात् कम्तीमा ५ वटा अनुसन्धानमूलक लेखहरू प्रमुख लेखक वा करेस्पोन्डिङ लेखक भई प्रकाशित गरेको हुन्पर्नेछ ।

ग) सहसुपरिवेक्षक (co-supervisor) का लागि PhD प्राप्त कम्तीमा असिस्टेन्ट प्रोफेसर वा सो सरहको पदमा विश्वविद्यालय तहमा ३ वर्ष पूर्णकालीन कार्य अनुभव भएको र सूचीकृत जर्नल वा विश्वविद्यालय अनुदान आयोगवाट मान्यताप्राप्त जर्नलमा विद्यावारिधिपश्चात् कम्तीमा ३ वटा अनुसन्धानमूलक लेखहरू प्रमुख लेखक वा करेस्पोन्डिड लेखक भई प्रकाशन गरेको हन्पर्नेछ ।

घ) सुपिरविक्षकका लागि कार्यक्रम सञ्चालन हुने विश्वविद्यालयमा पूर्णकालीन रूपमा कार्यरत रहेको वा उक्त विश्वविद्यालयबाट प्राध्यापक भई निवृत्त भएको वा विश्वविद्यालयहरूका वीच विज्ञ आदानप्रदान गर्ने सम्भौता भएका विश्वविद्यालय भए सोही अनुसार प्रमुख, संयुक्त वा सहस्पिरिवेक्षणको कार्य गर्न सिकनेछ ।

ह) एक पटकमा प्रोफेसरले अधिकतम ५ जना, एसोसिएट प्रोफेसरले ४ जना र असिस्टेन्ट प्रोफेसरले ३ जना मात्र शोधार्थीको प्रमुख सुपरिवेक्षक, संयुक्त सुपरिवेक्षक, वा सहसुपरिवेक्षकका रूपमा रही सुपरिवेक्षण गर्न सक्नेछ।

- च) कुनै कारणवश प्रमुख सुपरिवेक्षक वा संयुक्त सुपरिवेक्षक वा सहसुपरिवेक्षक परिवर्तन वा थपघट गर्नुपरेमा सम्बन्धित विभागीय प्रमुख र शोधनिर्देशकको सिफारिसमा अनुसन्धान समितिले उक्त शोधार्थी विद्यावारिधिका लागि दर्ता भएको मितिले १ वर्षभित्रमा परिवर्तन गरिसक्नुपर्नेछ ।
- छ। कुनै शोधार्थीले न्यूनतम तोकिएको समयसीमा (पूर्णकालीनको हकमा ३ वर्ष र आशिकको हकमा ४ वर्ष) सम्ममा कार्य सम्पन्न गर्न नसकेको हकमा वा शोधार्थीले शोधकार्य सम्पन्न गरी शोधपत्र (Dissertation) प्रमुख शोधिनर्देशकमार्फत सम्बन्धित विभागमा पेस गरिसकेको हकमा सो सङ्ख्यालाई अधिकतम विद्यार्थी सङ्ख्यामा गिनने छैन । तर समयसीमामाथिका शोधार्थीको रेखदेखको जिम्मा भने सम्बन्धित सुपरिवक्षकको नै रहनेछ । RF (Research Fellow) को हकमा शोधार्थीले शोधकार्य सम्पन्न गरी शोधपत्र (Dissertation) प्रमुख शोधिनर्देशकमार्फत सम्बन्धित विभागमा पेस गरिसकेको अवस्थामा मात्र शोधकार्य सम्पन्न भएको मानिनेछ ।
- (च) शोधकार्य निर्देशन सिमिति (Dissertation Advisory Committee) मा प्रमुख शोधनिर्देशक संयोजक रहने गरी संयोजक सिहत ३-५ जनासम्म सदस्य रहनेछन् । शोधार्थीलाई अनुसन्धानमा सल्लाह दिन र आवधिक प्रगति मूल्याङ्गन गर्न गठित यस सिमितिको बैठक वर्षमा कम्तीमा दुईपटकसम्म बस्नेछ । यो सिमितिले आवश्यक ठानेमा बाह्य विज्ञको उपस्थितिमा एक पूर्वप्रतिरक्षा (Pre-defense) प्रस्तुतिको व्यवस्था समेत गर्न सक्नेछ ।

### ९ शोधनिर्देशकको कर्तव्य :

शोधनिर्देशक र निर्देशन समितिको काम-कर्तव्य निम्नानसार हनेछन -

- (क) शोधार्थीलाई अनुसन्धान कार्यमा मार्गदर्शन गर्ने र शोधपत्रको निरीक्षण र सुधार गर्ने ।
- (ख) शोधार्थीको हाजिरी तथा अनुसन्धान कार्यका विवरण (Log-book) राख्ने ।
- (ग) प्रत्येक ६/६ महिनामा शोधार्थीको कार्यप्रगति अनसन्धान समिति समक्ष पेस गर्ने ।
- (घ) अनसन्धान समितिलाई शोध-अनसन्धान सम्बन्धमा राय-परामर्श दिने ।
- अन्सन्धान समिति समक्ष वाह्य परीक्षकहरूको नामावली सिफारिस गरी पठाउने ।
- (च) तोकिएका अन्य काम गर्ने ।

# १०. शोधकार्यका लागि स्थानान्तरण :

- (क) शोधार्थीलाई आवश्यक परेमा शोधिनर्देशक वा विभागीय प्रमुखको सिफारिसमा डिनले स्वदेश तथा विदेशका तोकिएका स्थान वा स्थानहरूमा रही तोकिएको अविधसम्म अनुसन्धान सम्बन्धी कार्य गर्न अनुमित दिन सक्नेछ ।
- (圈) PhD Candidate from other universities can be transferred to KU under the following conditions:
  - 1. She/He must have fulfilled PhD. Pre-requisites as per the requirements of KU.
  - She/He should not have submitted either dissertation of participated in Viva-Voce in the registered University.
  - The PhD candidate seeking transfer should have been registered for at least a year at his/her original University.
  - 4. She/He must submit recommendation letter from the university and/or the supervisor.

5. Candidate must have English language proficiency.

 If the candidate meets the above-mentioned criteria and if the Research Committee considers it appropriate for the transfer; the committee may transfer a maximum of 1.5 years equivalent of Research work.

## ११. अन्यत्र नियक्ति र अध्ययनमा बन्देज :

(क) अनुसन्धानको अवधिमा कुनै पनि शोधार्थीले अनुसन्धान समितिको पूर्वस्वीकृतिविना अनुसन्धानका अतिरिक्त अन्य कार्यका लागि अन्यत्र नियक्ति लिन पाउने छैन ।

(ख) शोधार्थीले अनुसन्धान अविधमा अनुसन्धान सिमितिको पूर्वस्वीकृति नलिई विश्वविद्यालय वा सार्वजनिक संस्थानद्वारा सञ्चालित अन्य विषयको पाठ्यक्रमको कुनै पिन परीक्षामा सिम्मिलित हन पाउने छैन ।

(ग) लगातार तीन पटकसम्मको प्रगति प्रतिवेदन निराशाजनक पाइएमा अनुसन्धान समितिले शोधनिर्देशकलाई सचेत गराउनेछ । सचेततापछिको चौथो प्रगति प्रतिवेदन पनि सन्तोषजनक नपाइएमा निज शोधार्थीको दर्ता स्वतः खारेज हुनेछ ।

### १२. शोधप्रबन्धको माध्यम :

शोधप्रबन्धको माध्यम नेपाली भाषा र साहित्यमा नेपाली र अन्य विषयमा अङ्ग्रेजी हुनेछ । तर अनुसन्धान समितिले स्वीकृति दिएमा अन्य विषयमा पनि नेपाली वा अन्य भाषामा शोधप्रबन्ध लेख्न सिकनेछ ।

# १३. शोधप्रबन्धको प्रस्त्ति :

- (क) यस तहमा अनुसन्धान गर्ने शोधार्थीले निर्देशिकाको दफा ५ मा तोकिएको समयावधिभित्र आफ्नो शोधप्रबन्ध शोधनिर्देशक र विभागीय प्रमुखको सिफारिस सहित डिन समक्ष प्रस्तुत गर्नु एक महिनापूर्व आफूले दिएको देनको प्रकृति र प्रमुख रूपरेखा दर्साएको शोधप्रबन्धको सारांश (Synopsis) पेस गर्नुपर्नेछ ।
- (ख) शोधप्रबन्धको ढाँचा वा नम्ना अन्सूची ३ मा तोकिए बमोजिम हुनेछ ।
- (ग) शोधप्रबन्धलाई अन्तिम रूप दिई परीक्षणका निम्ति दुईजना बाह्य परीक्षक समक्ष पठाउनुभन्दा पहिले शोधनिर्देशकले 'मेरो आफ्नै सुपरिवेक्षणमा रही तोकिएको अवधिभरसम्म नै शोधार्थीले सन्तोषजनक रूपले काम गरेको हो र प्रस्तुत शोधप्रबन्ध शोधार्थी आफैँले तयार पारेको हो' भन्ने प्रमाणपत्र दिई सोलाई विभागीय प्रमुखद्वारा प्रमाणित गरिएको हनपर्नेछ ।
- (घ) शोधार्थीले आफ्नो अनुसन्धान कार्य सिकएपछि शोधपत्र प्रस्तुत गर्न निम्नलिखित विवरण पेस गर्नपर्नेछ –
  - (१) चार प्रति प्रिन्ट र बाइन्डिङ्ग गरिएको शोधपत्र ।
  - (२) आफूले दिएको देनको प्रकृति र प्रमुख रूपरेखा दर्साएको शोधपत्रको सारांश ।
  - (३) आफ्नो शोधनिर्देशकबाट 'मेरो आफ्नै सुपरिवेक्षणमा रही तोकिएको अवधिभरसम्म नै शोधार्थीले सन्तोषजनक रूपले काम गरेको हो र प्रस्तुत शोधपत्र शोधार्थी आफ्रैंले तयार पारेको हो' भन्ने प्रमाणपत्र ।
  - (४) शोधार्थीले सम्बन्धित विषयमा थप प्रकाशित भएका कार्यहरू भए सोको सूची।
- (ङ) शोधार्थीले कम्तीमा दुईवटा लेखरचना अनिवार्य पेस गर्नुपर्नेछ । लेखरचना Peerreviewed journal वा विश्वविद्यालय अनुदान आयोग (UGC) वाट सूचीकृत जर्नलमा

प्रकाशित भएको हुनुपर्नेछ । प्रकाशन गर्दा दुवै अन्तर्राष्ट्रिय स्तरको जर्नलमा प्रकाशित गरिएको वा एउटा राष्ट्रिय/क्षेत्रीय स्तरको र अर्को अन्तर्राष्ट्रिय स्तरको हुनुपर्नेछ ।

## १४. बाह्य परीक्षक :

शोधनिर्देशकले विभागीय प्रमुखसँग परामर्श गरेर कम्तीमा ४ जना वाह्य विशेषज्ञहरूको नामावली सिफारिस गरी अनुसन्धान सिमिति समक्ष पेस गर्नेछन् र अनुसन्धान सिमितिले स्वीकृत गरेका नामावलीहरूमध्येबाट डिनले २ जनालाई बाह्य परीक्षक तोक्नेछ । बाह्य परीक्षक देशिमित्र वा बाहिर विश्वविद्यालय सेवामा कार्यरत विद्यावारिधि उपाधि प्राप्त कम्तीमा एसोसिएट प्रोफेसर तहको हुनुपर्नेछ ।

१५. परीक्षा र मूल्याङ्ग :

शोधप्रबन्ध परीक्षण एवं मूल्याङ्गनका लागि निर्देशिकाको दफा १२ को प्रिक्रयापश्चात् डिनले सम्बन्धित विषयका २ विशेषज्ञ (बाह्य परीक्षक) समक्ष पठाउनेछ । बाह्य परीक्षकहरूले तोकिएका आधारहरूलाई समेत दृष्टिगत गरी शोधार्थीको शोधप्रबन्धको मूल्याङ्गन गर्नुपर्नेछ ।

१६. मुल्याङ्गनका आधारहरू:

शोधप्रबन्धको मूल्याङ्गन अनुसूची - २ मा तोकिएको आधारमा गरिनेछ । मूल्याङ्गन गर्दा देहायका क्रालाई अग्रिम प्राथमिकता दिनुपर्नेछ –

(क) अनुसन्धानको मौलिकता,

- (ख) नयाँ तथ्यको खोजी र विद्यमान वा ज्ञात तथ्यको नयाँ अन्तरसम्बन्धको व्याख्या,
- (ग) सम्बन्धित विषयका ज्ञानको क्षेत्रमा नयाँ आयाम थप,
- (घ) भाषिक शुद्धता र शोधप्रबन्धको प्रस्तुतीकरण,
- (ङ) शोधविधि प्रस्तुतीकरणको ढाँचा
- (च) शोधप्रबन्धको स्तर ।

१७. शोधप्रबन्धको स्वीकृति :

दुवैजना बाह्य परीक्षकले परीक्षण र मूल्याङ्गन गरी स्वीकृत गरेमा शोधप्रबन्ध स्वीकृत भएको ठहरिनेछ । तर कुनै एकले अस्वीकृत गरेमा पुनः तेस्रो बाह्य परीक्षकबाट परीक्षण र मूल्याङ्गन गराउनुपर्नेछ । तेस्रो बाह्य परीक्षकबाट समितिले शोधार्थीलाई पुनः अनुसन्धानमा लगाउन अथवा कार्यक्रमबाट हटाउन सक्नेछ । कुनै बाह्य परीक्षकले शोधप्रबन्धमा केही संशोधन गर्नुपर्ने आवश्यकता देखाएमा शोधार्थीले सोही बमोजिम संशोधन गरी शोधप्रबन्ध पुनः मूल्याङ्गनका लागि पेस गर्नुपर्नेछ ।

१८. मौखिक परीक्षा :

बाह्य परीक्षकबाट शोधप्रबन्ध स्वीकृत गरिएपछि दफा १९ बमोजिमको परीक्षण समिति समक्ष शोधार्थीले मौखिक परीक्षा दिनुपर्नेछ । मौखिक परीक्षा सार्वजनिक रूपमा हुनेछ ।

१९. परीक्षण समिति :

दफा १७ को प्रयोजनका लागि अनुसन्धान समितिले परीक्षण समितिको गठन गर्नेछ, जसमा देहायका व्यक्तिहरू रहनेछन् –

| (9) | सम्बन्धित स्क्लका डिन  | अध्यक्ष |
|-----|--|---------|
| (2) | सम्बन्धित विभागीय प्रमुख                                       | सदस्य   |
|     | सम्बन्धित विषयका विशेषज्ञहरूमध्येबाट एक (बाह्य परीक्षक)        | सदस्य   |
| (8) | प्रमुख सुपरिवेक्षक   | सदस्य   |
| (X) | विषयगत वा अन्तरविषयगत शिक्षकहरूमध्येवाट डिनद्वारा मनोनीत १ जना | सदस्य   |
| (६) | विज्ञहरूमध्येबाट उपकुलपतिद्वारा मनोनीत १ जना                   | सदस्य   |
|     | तिले परीक्षा नियन्त्रकलाई आमन्त्रित गर्न सक्नेछ ।              |         |

## २०. परीक्षा समितिमा सिफारिस गर्ने :

दफा १८ बमोजिमको परीक्षण समितिको नितजा अनुमोदन गर्नका लागि डिनले परीक्षा नियन्त्रकको कार्यालयमा पठाउनेछ ।

### २१. उत्तीर्ण घोषणा :

शोधार्थीले दफा १८ अनुसारको मौखिक परीक्षामा समेत सफलता प्राप्त गरेपछि निजलाई विद्यावारिधि (PhD) तहको परीक्षामा उत्तीर्ण घोषित गरिनेछ ।

# २२. निर्देशिकाको व्याख्या गर्ने अधिकार :

यस निर्देशिकाको व्याख्या अन्सन्धान समितिको परामर्शमा प्राज्ञिक परिषद्ले गर्नेछ ।

# २३. प्नरावेदन :

- (क) अनुसन्धान समितिले Ethical Committee को कार्य समेत गर्नेछ । यसका लागि सम्बन्धित विज्ञहरूको समेत सहयोग लिई Plagiarism सम्बन्धी छानिबन गर्न तथा कार्वाही चलाउन सक्नेछ ।
- (ख) शोधार्थीले तयार गरेको शोधप्रबन्धउपर कतैबाट बौद्धिक चोरी (Plagiarism) सम्बन्धमा परेको उजुरीउपर र माथि (क) मा तोकिएको व्यवस्थाबाट समेत कसैलाई चित्त नबुक्तेमा सो विषय उपर स्कुल / विभागवाट गरिएको निर्णय मितिदेखि ३० दिनभित्र रजिस्टारमार्फत प्राज्ञिक परिपद्मा प्नरावेदन गर्न सक्नेछ ।

### २४ विविध :

- (क) कार्यदलबाट परिमार्जन लागि सिफारिस भइआएको काठमाडौँ विश्वविद्यालय अनुसन्धान सम्बन्धी निर्देशिका (PhD तह), २०७४ प्राज्ञिक परिषद्बाट स्वीकृत गरी सबै स्क्लहरूमा लागू गरिएको छ ।
- (ख) स्कुल अनुसार विषय र चरित्र फरक-फरक भएकाले अनुसन्धान समितिमार्फत अनुसन्धान सम्बन्धी निर्देशिका विद्यावारिधि (PhD), २०७४ को मूल मर्ममा असर नपर्ने गरी आ-आफ्नो स्कुलको आवश्यकता अनुसार कार्यविधि निर्देशिका (Procedural Guidelines) मा केही विशेष बुँदा समावेश गरी कार्यान्वयन गर्न सिकनेछ ।

(ग) यो संशोधित निर्देशिका शैक्षिक सत्र २०८० देखि नै लागू हुनेछ ।

8

## Testimonial from the Ph.D. Graduate of School of Science

## Dr. Bibhuti Ranjan Jha



I, Prof. Dr. Bibhuti Ranjan Jha, a faculty member at Department of Environmental Science and Engineering, Kathmandu University for more than 30 years from February 1993 to May 2023, am one of the earliest PhD graduates from this university under the faculty development plan. My PhD was a sandwich program between Kathmandu University and the University of Natural Resources and Life Sciences (BOKU), Vienna, with the supervision from both the sides. The title of my thesis was 'Fish ecological studies and its application in assessing ecological integrity of rivers in Nepal', and my research work took place between 2002 and 2006.

Though my PhD journey at that time was a mixture of compulsion caused by career pressure and a matter of interest, today I feel very fortunate and content to hold the degree and be able to contribute to the university and the academic community. Even after the completion of my regular tenure, I am still involved in the Kathmandu University as a Visiting Faculty, and I am open to contributing to the university in teaching, research or any other area I can where I can create an impact.

In the history of KU this PhD is one of the most significant steps in the field of human resource development as it opened the floodgate for the PhD candidates to enroll in the university, and today the university can proudly present the quality of its academic manpower in national and international forums. The university should let this faculty development plan continue and let the young academic recruits' benefit from it. At the end, I have a few suggestions to the university. The university should make the fundamental criteria for the completion of PhD same in all the schools; and the university should assign only related and relevant supervisor/s to the students according to the research field.

# List of Ph.D. Graduates

| Name                       | Sangita Shakya  |
|----------------------------|---|
| Dissertation Title         | Assessment of Arsenic contamination of drinking water sources and environmental microbial toxicity in Rautahat district |
| Supervisor (s)             | Prof. Dr. Bandana Pradhan   |
| Program                    | Biotechnology   |
| <b>Enrollment Year</b>     | 2006  |
| <b>Completion Year</b>     | 2014  |
| <b>Current Affiliation</b> | Professor, Kathmandu University   |
| Mode                       | Part Time   |
| Email Address              | sangita@ku.edu.np   |

| Name                   | Ishwar Subedi   |
|------------------------|---|
| Dissertation Title     | Functional and bioactive ingredients of native plant Chiraito (Swertia Chirayita) and its application on food |
| Supervisor (s)         | Prof. Dr. Tika B. Karki   |
| Program                | Biotechnology   |
| <b>Enrollment Year</b> | 2013  |
| <b>Completion Year</b> | 2020  |
| Full Thesis Link       |   |
| Current Affiliation    | Senior Food Research Officer (Undersecretary), Dept. of Food Technology and Quality Control                   |
| Mode                   | Part Time   |
| Email Address          | ishwar.subedi@gmail.com   |

| Name                       | Paras Mani Timilsina   |
|----------------------------|--|
| Dissertation Title         | Screening of thermostable bacterial Alpha-Amylase isolated from geothermal springs of Nepal for liquefaction of Algal Starch |
| Supervisor (s)             | Prof. Dr. Tika B. Karki  |
| Program                    | Biotechnology  |
| <b>Enrollment Year</b>     | 2013   |
| <b>Completion Year</b>     | 2021   |
| <b>Current Affiliation</b> | Assoc. Professor, Kathmandu University   |
| Mode                       | Part Time  |
| Email Address              | timipara@ku.edu.np   |

| Name                   | Deepak Sharma   |
|------------------------|---|
| Dissertation Title     | Molecular and phytochemical authentication of Nepali medicinal plants by DNA barcoding and QTOF LC MS/ICPMS |
| Supervisor (s)         | Prof. Dr. Janardan Lamichhane   |
| Program                | Biotechnology   |
| <b>Enrollment Year</b> | 2014  |
| <b>Completion Year</b> | 2021  |
| Mode                   | Full Time   |
| Email Address          | deepakshrm59@gmail.com  |

| Name                       | Meena Maiya Shrestha  |
|----------------------------|---|
| Dissertation Title         | Micropropagation, somatic, embryogenesis, and evaluation of bioactive compounds of some selected Bamboo species |
| Supervisor (s)             | Prof. Dr. Dhurva P Gaucha, Prof. Dr. Janardan Lamichhane  |
| Program                    | Biotechnology   |
| <b>Enrollment Year</b>     | 2016  |
| <b>Completion Year</b>     | 2023  |
| <b>Current Affiliation</b> | CEO, Tripura Applied Science and Research Center (TASReC)   |
| Mode                       | Full Time   |
| Email Address              | suwalmeena2@gmail.com   |

| Name                       | Bishnu Maya KC  |
|----------------------------|---|
| Dissertation Title         | Evaluaion of Bamboo growth performance and its utilization for the rehabilitation of degraded riverine areas of Chure region, Nepal |
| Supervisor (s)             | Prof. Dr. Janardan Lamichhane, Prof. Dr. Dhurva P Gauchan, Prof. Dr. Sanjay<br>Nath Khanel  |
| Program                    | Biotechnology   |
| <b>Enrollment Year</b>     | 2016  |
| <b>Completion Year</b>     | 2022  |
| <b>Current Affiliation</b> | Assist. Professor, Kathmandu University   |
| Mode                       | Full Time   |
| Email Address              | kcbisu2014@gmail.com  |

| Name                       | Prem Narayan Paudel  |
|----------------------------|--|
| Dissertation Title         | Chemical characterization, enantiomeric distribution, and bioactivity analysis of essential oil from the selected Lamiaceae plants of Nepal and their application in topical formulation |
| Supervisor (s)             | Prof. Dr. Rajendra Gyawali and Prof. Dr. William N. Setzer   |
| Program                    | Chemistry  |
| <b>Enrollment Year</b>     | 2018   |
| <b>Completion Year</b>     | 2023   |
| Full Thesis Link           |  |
| <b>Current Affiliation</b> | Assist. Professor, Kathmandu University  |
| Mode                       | Part Time  |
| Email Address              | prempaudel@ku.edu.np   |

| Name                       | Bijay Thapa  |
|----------------------------|--|
| Dissertation Title         | Pollution removal kinetics in Municipal wastewater treatment plant of Kathmandu, Nepal |
| Supervisor (s)             | Dr. Nawa Raj Khatiwada   |
| Program                    | Environment Engineering  |
| <b>Enrollment Year</b>     | 2015   |
| <b>Completion Year</b>     | 2020   |
| <b>Current Affiliation</b> | Kathmandu University   |
| Mode                       | Part Time  |
| Email Address              | thapabijay88@gmail.com   |

| Name                      | Ajay Kumar K.C   |
|---------------------------|--|
| <b>Dissertation Title</b> | Life cycle assessment of Nepalese buildings  |
| Supervisor (s)            | Prof. Dr. Bivek Baral, Assoc. Prof. Dr. Bikash Adhikari, Asst. Prof. Dr. Anish Ghimire |
| Program                   | Environment Engineering  |
| <b>Enrollment Year</b>    | 2021   |
| <b>Completion Year</b>    | 2025   |
| Mode                      | Full Time  |

| Name                       | Bibhuti Ranjan Jha   |
|----------------------------|--|
| Dissertation Title         | Fish ecological studies and its application in assessing ecological integrity of rivers in Nepal |
| Supervisor (s)             | Dr. Herwig Waidbacher, Prof. Dr. Subodh Sharma   |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2002   |
| <b>Completion Year</b>     | 2006   |
| Full Thesis Link           |  |
| <b>Current Affiliation</b> | Professor,Kathmandu University   |
| Mode                       | Full Time  |
| Email Address              | bibhuti@ku.edu.np  |

| Name                       | Hasko Friedrich Nesemann   |
|----------------------------|--|
| Dissertation Title         | Aquatic Benthic macro invertebrates' biological diversity and their use in habitat quality assessment at the Himalayan hot spots of Ganges river basin |
| Supervisor (s)             | Prof. Dr. Subodh Sharma  |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2004   |
| <b>Completion Year</b>     | 2009   |
| Full Thesis Link           |  |
| <b>Current Affiliation</b> | Independent Researcher   |
| Mode                       | Part Time  |

| Name                       | Janita Gurung  |
|----------------------------|--|
| Dissertation Title         | Studying Carbon and plant dynamics in high altitude peri-glacial environments as a result of global climate change |
| Supervisor (s)             | Dr. Roshan M. Bajracharya, , Prof. Dr. Subodh Sharma   |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2005   |
| <b>Completion Year</b>     | 2012   |
| <b>Current Affiliation</b> | Programme Lead, Governance and Rights, at RECOFTC, ICIMOD  |
| Mode                       | Part Time  |

| Name                       | Rajeev Deokota                         |
|----------------------------|--|
| Dissertation Title         | Ethnobotany of Sunsari District, Nepal |
| Supervisor (s)             | Dr. Rana B. Chhetri                    |
| Program                    | Environment Science                    |
| <b>Enrollment Year</b>     | 2006                                   |
| <b>Completion Year</b>     | 2011                                   |
| <b>Current Affiliation</b> | Academic Director, GEMS School         |
| Mode                       | Part Time                              |

| Name                       | Ramesh Prasad Bhatt   |
|----------------------------|---|
| <b>Dissertation Title</b>  | Ecological impacts and Implications of EIA Studies in Nepal |
| Supervisor (s)             | Prof. Dr. Sanjay Nath Khanal                                |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2007  |
| <b>Completion Year</b>     | 2012  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Consultant-EIA, Different consultancies                     |
| Mode                       | Part Time   |
| Email Address              | rameshbhatta@yahoo.com                                      |

| Name                       | Shalu Adhikari  |
|----------------------------|---|
| Dissertation Title         | Carbon dynamics and sequestration in a wetland agroecosystem of lowland Nepal |
| Supervisor (s)             | Dr. RM Bajracharya, Dr. Sanjay Nath Khanal                                    |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2007  |
| <b>Completion Year</b>     | 2013  |
| <b>Current Affiliation</b> | Climate Change Specialist, Food and Agriculture Organization (FAO)            |
| Mode                       | Part Time   |
| Email Address              | shaluadhikari0@gmail.com  |

| Name                       | Yam Prasad Dhital  |
|----------------------------|--|
| Dissertation Title         | Study on the flood hydrology of Bagmati River Basin, Nepal |
| Supervisor (s)             | Dr. Rijan Bhakta Kayastha, Prod. Dr. Rune Bakke            |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2007   |
| <b>Completion Year</b>     | 2013   |
| <b>Current Affiliation</b> | Researcher, Shihezi University, China                      |
| Mode                       | Full Time  |

| Name                   | Ram Prasad Lamsal   |
|------------------------|---|
| Dissertation Title     | Impact analysis of landscape level conservation and development of methodologies: A case study of Terai Arc landscape programme Nepal |
| Supervisor (s)         | Prof. Dr. Sanjay Nath Khanal, Dr. Keshav Raj Kandel   |
| Program                | Environment Science   |
| <b>Enrollment Year</b> | 2007  |
| <b>Completion Year</b> | 2016  |
| Full Thesis Link       |   |
| Mode                   | Part Time   |

| Name                       | Smriti Gurung  |
|----------------------------|--|
| Dissertation Title         | High altitude aquatic biodiversity of Gokyo Lake series in Sagarmatha National Park, Nepal |
| Supervisor (s)             | Prof. Dr. Subodh Sharma and Dr. Ingrid Jüttner   |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2008   |
| <b>Completion Year</b>     | 2012   |
| <b>Current Affiliation</b> | Assoc. Professor, Kathmandu University   |
| Mode                       | Part Time  |
| Email Address              | smriti@ku.edu.np   |

| Name                       | Ahmad Kamruzzaman Majumder  |
|----------------------------|---|
| Dissertation Title         | Health impact assessment of air and noise pollution on Traffic Police personnel of Kathmandu Valley |
| Supervisor (s)             | Prof. R.M. Bajracharya  |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2008  |
| <b>Completion Year</b>     | 2012  |
| <b>Current Affiliation</b> | Dean & Professor, Department of Environmental Science, Stamford University, Bangladesh              |
| Mode                       | Part Time   |
| Email Address              | kamrul_sub@hotmail.com  |

| Name                       | Khet Raj Dahal  |
|----------------------------|---|
| Dissertation Title         | Assessment of riverbed excavation an its effects on aquatic environment of Tinau River, Nepal |
| Supervisor (s)             | Prof. Dr. Subodh Sharma, Prof. Dr. Roshan Man Bajracharya                                     |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2008  |
| <b>Completion Year</b>     | 2014  |
| <b>Current Affiliation</b> | Principal, LIAST, LBU, Jawalakhel   |
| Mode                       | Part Time   |
| Email Address              | dahal.khetraj@gmail.com   |

| Name                       | Kumud Raj Kafle   |
|----------------------------|---|
| Dissertation Title         | Post disaster impact assessment on bio-physical environment of Koshi flood-2008 |
| Supervisor (s)             | Dr. Sanjay Nath Khanal, Dr. Ranjan Kumar Dahal                                  |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2008  |
| <b>Completion Year</b>     | 2016  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Professor, Kathmandu University   |
| Mode                       | Part Time   |
| <b>Email Address</b>       | krkafle@ku.edu.np   |

| Name                       | Farida Begum   |
|----------------------------|--|
| Dissertation Title         | Soil physical, chemical and biological quality as influenced by season, land use and aspect in the central Himalaya of Nepal |
| Supervisor (s)             | Dr. R.M. Bajracharya   |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2009   |
| <b>Completion Year</b>     | 2012   |
| <b>Current Affiliation</b> | Assist. Professor, Karakoram International University  |
| Mode                       | Full Time  |
| <b>Email Address</b>       | farida.shams@kiu.edu.pk  |

| Name                       | Dinesh Raj Manandhar   |
|----------------------------|--|
| <b>Dissertation Title</b>  | Quantitative evaluation of Leachate using pilot scale landfill Lysimeter |
| Supervisor (s)             | Prof. Sanjay Nath Khanal, Prof. V. Krishnamurthy, Prof. William Hogland  |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2009   |
| <b>Completion Year</b>     | 2015   |
| <b>Current Affiliation</b> | Senior WASH Specialist   |
| Mode                       | Full Time  |
| <b>Email Address</b>       | dineshmanandhar@gmail.com  |

| Name                   | Rosha Raut   |
|------------------------|--|
| Dissertation Title     | Response of Panchpokhari Lakes to long-range transport of pollutants and climate change in Nepal |
| Supervisor (s)         | Dr. Roshan M. Bajracharya  |
| Program                | Environment Science  |
| <b>Enrollment Year</b> | 2009   |
| <b>Completion Year</b> | 2017   |
| Mode                   | Part Time  |

| Name                       | Sameena Mumtaz  |
|----------------------------|---|
| <b>Dissertation Title</b>  | Population dynamics of soil microbes and their role in soil fertility |
| Supervisor (s)             | Dr. Roshan M. Bajracharya   |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2010  |
| <b>Completion Year</b>     | 2014  |
| <b>Current Affiliation</b> | Assoc. Professor, Karakoram International University                  |
| Mode                       | Full Time   |

| Name                   | Praveen Kumar Sharma  |
|------------------------|---|
| Dissertation Title     | Benthic Microinvertebrates communities as Indicators of toxic effects of fish Poisoning and river environment quality |
| Supervisor (s)         | Prof. Dr. Subodh Sharma   |
| Program                | Environment Science   |
| <b>Enrollment Year</b> | 2010  |
| <b>Completion Year</b> | 2014  |
| Mode                   | Part Time   |

| Name                       | Birendra Malla   |
|----------------------------|--|
| <b>Dissertation Title</b>  | Ethnobotanical study on medicinal plants in Parbat District of Western Nepal |
| Supervisor (s)             | Prof. Dr. Ram B. Chhetri, Dr. Dhurva Gauchan                                 |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2010   |
| <b>Completion Year</b>     | 2015   |
| Full Thesis Link           |  |
| <b>Current Affiliation</b> | Vice President, National Institute of Natural Sciences (NINS)                |
| Mode                       | Full Time  |

| Name                       | Him Lal Shrestha  |
|----------------------------|---|
| Dissertation Title         | Carbon stocks under various land management regimes: Implications for climate change adaptation and mitigation in Nepal |
| Supervisor (s)             | Dr. Roshan M. Bajracharya, Dr. Bishal Sitaula   |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2011  |
| <b>Completion Year</b>     | 2015  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Vice Principal, Kathmandu Forestry College  |
| Mode                       | Part Time   |

| Name                   | Hari Prasad Pandey   |
|------------------------|--|
| Dissertation Title     | Managing Carbon dynamics to reduce the corrosion and Lime encrustation problems in the drinking water supply systems |
| Supervisor (s)         | Prof. Dr. Sanjay Nath Khanal, Dr. Nawaraj Khatiwada, Dr. Narayan Prasad<br>Upadhyaya                                 |
| Program                | Environment Science  |
| <b>Enrollment Year</b> | 2011   |
| <b>Completion Year</b> | 2022   |

| Name                       | Md. Akbal Husen   |
|----------------------------|---|
| Dissertation Title         | Efficacy of anaesthetics in reducing stress and mortality during transportation of Carp fish seed |
| Supervisor (s)             | Prof. Dr. Subodh Sharma, Prof. Dr. Kjeil J. Nilssen   |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2012  |
| <b>Completion Year</b>     | 2016  |
| <b>Current Affiliation</b> | Director, Begnas Fisheries, Nepal Agricultural Research Council (NARC)                            |
| Mode                       | Full Time   |
| <b>Email Address</b>       | akbalhusen@yahoo.com  |

| Name                       | Rabin Raj Niraula   |
|----------------------------|---|
| Dissertation Title         | Modeling of natural spring sources as an alternative method for mapping water avilability in the Mid-Hills of Nepal |
| Supervisor (s)             | Prof. Dr. Subodh Sharma   |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2012  |
| <b>Completion Year</b>     | 2021  |
| <b>Current Affiliation</b> | Knowledge and Information Manager Asia, Heifer International  |
| Mode                       | Full Time   |
| Email Address              | robin.niraula@gmail.com   |

| Name                   | Agni Prasad Nepal   |
|------------------------|---|
| Dissertation Title     | Sustainable small-scale aquaculture for rural livelihoods in the Mid-Hills of Nepal |
| Supervisor (s)         | Prof. Dr. Subodh Sharma   |
| Program                | Environment Science   |
| <b>Enrollment Year</b> | 2012  |
| <b>Completion Year</b> | 2022  |

| Name                       | Bikash Adhikari  |
|----------------------------|--|
| Dissertation Title         | Physiochemical Assessment of Leachate and biogas generation potential in landfill sites of Nepal |
| Supervisor (s)             | Dr. Sanjay Nath Khanal   |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2013   |
| <b>Completion Year</b>     | 2016   |
| <b>Current Affiliation</b> | Assoc. Professor, Kathmandu University   |
| Mode                       | Full Time  |
| Email Address              | bikashadhikari@ku.edu.np   |

| Name                       | Sunil Prasad Lohani   |
|----------------------------|---|
| Dissertation Title         | Anaerobic digestion of domestic wastewater at ambient condition (A-ST-USAB pilot scale system: Experiment and ADM1 modelling) |
| Supervisor (s)             | Prof. Dr. Sanjay Nath Khanal  |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2013  |
| <b>Completion Year</b>     | 2016  |
| <b>Current Affiliation</b> | Professor, Kathmandu University   |
| Mode                       | Part Time   |
| Email Address              | splohani@ku.edu.np  |

| Name                       | Seshananda Sanjel   |
|----------------------------|---|
| Dissertation Title         | Investigating the links between exposure to occupational hazards and development of health problems among brick industry workers in Kathmandu Valley, Nepal |
| Supervisor (s)             | Prof. Sanjay Nath Khanal, Prof. Rajendra Raj Wagle  |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2013  |
| <b>Completion Year</b>     | 2017  |
| <b>Current Affiliation</b> | Assistant Dean, Karnali Academy of Health Sciences, Jumla   |
| Mode                       | Part Time   |
| <b>Email Address</b>       | seshananda@kahs.edu.np  |

| Name                       | Ngamindra Raj Dahal   |
|----------------------------|---|
| Dissertation Title         | Effects of biochar application on productivity and carbon sequestration in agricultural systems of the Central Mid-Hills of Nepal |
| Supervisor (s)             | Dr. Roshan M. Bajracharya   |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2013  |
| <b>Completion Year</b>     | 2019  |
| <b>Current Affiliation</b> | Consultant, Different consultancies   |
| Mode                       | Full Time   |
| Email Address              | ngamindra@gmail.com   |

| Name                       | Manish Baidya  |
|----------------------------|--|
| Dissertation Title         | Safe and Sustainable Water Sanitation & Hygiene (WASH) to Reduce Health Vulnerability in Nepal |
| Supervisor (s)             | Prof. Dr. Subodh Sharma, Dr. Rajendra Koju   |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2014   |
| <b>Completion Year</b>     | 2017   |
| <b>Current Affiliation</b> | Disease Surveillance Officer ,World Health Organization  |
| Mode                       | Full Time  |

| Name                   | Deepak Kumar Gautam   |
|------------------------|---|
| Dissertation Title     | Agricultural diversification on soil quality, production and livelihood security in Nepal |
| Supervisor (s)         | Dr. Roshan M. Bajracharya   |
| Program                | Environment Science   |
| <b>Enrollment Year</b> | 2014  |
| <b>Completion Year</b> | 2018  |
| Mode                   | Part Time   |

| Name                       | Karamat Ali   |
|----------------------------|---|
| Dissertation Title         | Flash flood risk and vulnerability assessment in the Gilgit River Basin, Northen Pakistan |
| Supervisor (s)             | Dr. Roshan M. Bajracharya   |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2015  |
| <b>Completion Year</b>     | Dec, 2018   |
| <b>Current Affiliation</b> | Assitant Professor, Karakoram International University                                    |
| Mode                       | Full Time   |
| Email Address              | karamat.ali@kiu.edu.pk  |

| Name                       | Reeta Rai  |
|----------------------------|--|
| Dissertation Title         | Invertebrate communities based assessment to evaluate the effects of automobile workshop effluents into the rivers of Bhutan |
| Supervisor (s)             | Prof. Dr. Subodh Sharma, Dr. D.B. Gurung   |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2015   |
| <b>Completion Year</b>     | 2020   |
| <b>Current Affiliation</b> | Lecturer, Science, Technology, Engineering and Mathematics (STEM) Education Research Centre (SERC)                           |
| Mode                       | Part Time  |
| <b>Email Address</b>       | reetarai.sce@rub.edu.bt  |

| Name                   | Sandeep Shrestha  |
|------------------------|---|
| Dissertation Title     | A Study on the status, distribution and ecological assessment of the capacity endangered Chinese Pangolin (Manis Pentadactyla) in human-dominated landscapes of Nepal |
| Supervisor (s)         | Prof. Dr. Sanjay Nath Khanal  |
| Program                | Environment Science   |
| <b>Enrollment Year</b> | 2016  |
| <b>Completion Year</b> | 2022  |
| Mode                   | Part Time   |

| Name                       | Babi Kumar Kafle   |
|----------------------------|--|
| Dissertation Title         | Assessing water quality in lake phewa and khulekhani reservior of Nepal. |
| Supervisor (s)             | Prof. B. M. Dahal, Prof. Dr. C. M. Sharma                                |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2017   |
| <b>Completion Year</b>     | 2024   |
| <b>Current Affiliation</b> | Assist. Professor, Kathmandu University                                  |
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| Name                       | Kumar Khatri  |
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| Dissertation Title         | Aquatic ecological status of the Bheri and Babai River systems prior to interbasin water transfer, Western Nepal: Implications on water quality |
| Supervisor (s)             | Prof. Dr. B. R. Jha, Dr. Smriti Gurung, Dr. Udhab Raj Khadka  |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2018  |
| <b>Completion Year</b>     | 2023  |
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| Name                       | Rita Bhatta  |
|----------------------------|--|
| Dissertation Title         | Local and long-range transport of pollutants: Implication on Ramsar sites – Ghodaghodi and Rara – from Western Nepal |
| Supervisor (s)             | Prof. Dr. CM Sharma, Prof. Rajendra Joshi, Dr. Smriti Gurung   |
| Program                    | Environment Science  |
| <b>Enrollment Year</b>     | 2018   |
| <b>Completion Year</b>     | 2024   |
| <b>Current Affiliation</b> | Assist. Professor, Kathmandu University  |
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| Name                       | George Vernon Byrd  |
|----------------------------|---|
| Dissertation Title         | Aquaponics in Nepal: Potential to contribute to urban food security |
| Supervisor (s)             | Prof. Dr. Bibhuti R. Jha, Dr. Derek Chignell                        |
| Program                    | Environment Science   |
| <b>Enrollment Year</b>     | 2019  |
| <b>Completion Year</b>     | 2023  |
| Full Thesis Link           |   |
| <b>Current Affiliation</b> | Department Head, University of the Nations                          |
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| Name                   | Menila Kharel  |
|------------------------|--|
| Dissertation Title     | Good agriculture practies in safe vegetable production for sustainable agriculture in mid-hills of Nepal |
| Supervisor (s)         | Prof. Dr. Bed Mani Dahal, Dr. Nani Raut  |
| Program                | Environment Science  |
| <b>Enrollment Year</b> | 2019   |
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| Name                   | Dal Bahadur Adhikary  |
|------------------------|---|
| Dissertation Title     | On the Cauchy problem for a Sobolov type system in hydrodynamics of rotating fluid with heat transfer |
| Supervisor (s)         | Dr. Prof. B.M. Tuladhar, Prof. Dr. V.N. Maslennikova  |
| Program                | Mathematics   |
| <b>Enrollment Year</b> | 1997  |
| <b>Completion Year</b> | 2000  |
| Mode                   | Part Time   |

| Name                | Dil Bahadur Gurung   |
|---------------------|--|
| Dissertation Title  | Mathematical study of abnormal thermo-regulation in human dermal parts |
| Supervisor (s)      | Prof. Vinod Prakash Saxena, Prof. Pushpa Raj Adhikari                  |
| Program             | Mathematics  |
| Enrollment Year     | 2004   |
| Completion Year     | 2008   |
| Current Affiliation | Professor, Kathmandu University  |
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| Name                       | Dhiraj Giri   |
|----------------------------|---|
| Dissertation Title         | Prime statistical approaches to study particulate air pollution for an urban valley environment |
| Supervisor (s)             | Prof. Dr. Pushpa Raj Adhikary, Prof. V, Krishna Murthy  |
| Program                    | Mathematics   |
| <b>Enrollment Year</b>     | 2004  |
| <b>Completion Year</b>     | 2012  |
| <b>Current Affiliation</b> | Professor, Kathmandu University   |
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| Name                       | Rabindra Prasad Kayastha   |
|----------------------------|--|
| Dissertation Title         | Biostatistical approaches to study occupational stress among executive officers of Nepal |
| Supervisor (s)             | Prof. Dr. Pushpa Raj Adhikary, Prof. V, Krishna Murthy                                   |
| Program                    | Mathematics  |
| <b>Enrollment Year</b>     | 2006   |
| <b>Completion Year</b>     | 2013   |
| Full Thesis Link           |  |
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| Name                       | Dinesh Panthi  |
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| <b>Dissertation Title</b>  | Some fixed point results in dislocated and dislocated-Quasi metric spaces. |
| Supervisor (s)             | Prof. Dr. Kanhaiya Jha   |
| Program                    | Mathematics  |
| <b>Enrollment Year</b>     | 2009   |
| <b>Completion Year</b>     | 2013   |
| Full Thesis Link           |  |
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| Name                      | Shams-ur Rahman   |
|---------------------------|---|
| <b>Dissertation Title</b> | Some fixed point results in intuitionistic fuzzy metric space |
| Supervisor (s)            | Prof. Bhadra Man Tuladhar, Prof. Dr. Ismat Beg                |
| Program                   | Mathematics   |
| <b>Enrollment Year</b>    | 2010  |
| <b>Completion Year</b>    | 2014  |
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| Name                       | Saraswati Acharya   |
|----------------------------|---|
| Dissertation Title         | Mathematical study of temperature distribution model in human males and females dermal part |
| Supervisor (s)             | Prof. Dr. Dil Bahadur Gurung, Prof. Dr. Vinod Prakash Saxena                                |
| Program                    | Mathematics   |
| <b>Enrollment Year</b>     | 2011  |
| <b>Completion Year</b>     | 2015  |
| Full Thesis Link           |   |
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| Name                       | Gokul KC   |
|----------------------------|--|
| Dissertation Title         | Mathematical model for temperature distribution in human eye |
| Supervisor (s)             | Prof. Dr. Dil Bahadur Gurung, Prof. Dr. Pushpa Raj Adhikary  |
| Program                    | Mathematics  |
| <b>Enrollment Year</b>     | 2011   |
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| Name                       | Kanchha Bhai Manandhar                         |
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| Dissertation Title         | Some fixed point results in fuzzy metric space |
| Supervisor (s)             | Prof. Dr. Kanhaiya Jha                         |
| Program                    | Mathematics                                    |
| <b>Enrollment Year</b>     | 2011   |
| <b>Completion Year</b>     | 2015   |
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| Name                       | Umesh Rajopadhyaya (Subedi)                                  |
|----------------------------|--|
| <b>Dissertation Title</b>  | Some fixed point results in semi-metric space                |
| Supervisor (s)             | Prof. Dr. Kanhaiya Jha                                       |
| Program                    | Mathematics  |
| <b>Enrollment Year</b>     | 2011   |
| <b>Completion Year</b>     | 2015   |
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| Name                       | Ganga Ram Phaijoo  |
|----------------------------|--|
| <b>Dissertation Title</b>  | Study of Dengue disease transmission dynamics by mathematical models |
| Supervisor (s)             | Prof. Dr. Dil Bahadur Gurung   |
| Program                    | Mathematics  |
| <b>Enrollment Year</b>     | 2014   |
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| Name                       | Jeevan Kafle  |
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| Dissertation Title         | Advanced dynamic simulations of landslide generated tsunami, submarine mass movement and obstacle interaction |
| Supervisor (s)             | Prof. Dr. Bhadra Man Tuladhar   |
| Program                    | Mathematics   |
| <b>Enrollment Year</b>     | 2014  |
| <b>Completion Year</b>     | 2019  |
| Full Thesis Link           |   |
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| Name                       | Parameshwari Kattel   |
|----------------------------|---|
| Dissertation Title         | Some aspects of multi-phase debris flows: Dynamics, flow-obstacle-interactions and model construction |
| Supervisor (s)             | Prof. Dr. Bhadra Man Tuladhar   |
| Program                    | Mathematics   |
| <b>Enrollment Year</b>     | 2014  |
| <b>Completion Year</b>     | 2019  |
| Full Thesis Link           |   |
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| Dissertation Title         | Development, discretization and simulation of an extended Quasi two-phase mass flow model |
| Supervisor (s)             | Prof. Dr. Bhadra Man Tuladhar   |
| Program                    | Mathematics   |
| <b>Enrollment Year</b>     | 2014  |
| <b>Completion Year</b>     | 2019  |
| <b>Current Affiliation</b> | Assist. Professor, Kathmandu University   |
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| Name                       | Shyam Sundar Sah   |
|----------------------------|--|
| Dissertation Title         | Mathematical study of some queueing and reliability models |
| Supervisor (s)             | Prof. Dr. Ram Prasad Ghimire                               |
| Program                    | Mathematics  |
| <b>Enrollment Year</b>     | 2014   |
| <b>Completion Year</b>     | 2020   |
| <b>Current Affiliation</b> | Principal, Shree Swet Barah Secondary School, Banepa       |
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| Name                       | Ajay Kumar Chaudhary  |
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| Dissertation Title         | Some fixed point results in probablistic metic space and its applications |
| Supervisor (s)             | Prof. K Jha, Dr. K.B Manandhar  |
| Program                    | Mathematics   |
| <b>Enrollment Year</b>     | 2019  |
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| <b>Current Affiliation</b> | Assist. Professor, Trichandra Multiple Campus, Tribhuvan University       |
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| Name                       | Gauri Bhuju   |
|----------------------------|---|
| Dissertation Title         | Fuzzy approach to dynamical study of COVID-19 and Dengue diseases   |
| Supervisor (s)             | Prof. D.B. Gurung, Dr. Ganga Ram Phaijoo                            |
| Program                    | Mathematics   |
| <b>Enrollment Year</b>     | 2018  |
| <b>Completion Year</b>     | 2023  |
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| Name                       | Puskar Raj Pokhrel  |
|----------------------------|---|
| Dissertation Title         | A generalized Quasi two-phase bulk mixture models for mass flow |
| Supervisor (s)             | Prof. Dr. Bhadra Man Tuladhar                                   |
| Program                    | Mathematics   |
| <b>Enrollment Year</b>     | 2015  |
| <b>Completion Year</b>     | 2019  |
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| Name                       | Sharmila Shreshta  |
|----------------------------|--|
| Dissertation Title         | Finite element approach to study temperature distribution in Tumor-embedded Breast tissue models |
| Supervisor (s)             | Prof. D.B. Gurung, Dr. Gokul KC  |
| Program                    | Mathematics  |
| <b>Enrollment Year</b>     | 2018   |
| <b>Completion Year</b>     | 2023   |
| <b>Current Affiliation</b> | Full time Faculty, Khwopa Secondary School   |
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| Name                       | Dev Chandra Shrestha   |
|----------------------------|--|
| Dissertation Title         | A mathematical study of temperature distribution in human dermal parts during physical exercises and Sarcopenia. |
| Supervisor (s)             | Prof. D.B. Gurung, Dr. Saraswati Acharya   |
| Program                    | Mathematics  |
| <b>Enrollment Year</b>     | 2018   |
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| Name                       | Raj Kumar Pradhan   |
|----------------------------|---|
| Dissertation Title         | Mathematical modeling of mixed Traffic flow and impacts of interactions at non-signalized intersections |
| Supervisor (s)             | Dr. Samir Shrestha, Prof. D.B. Gurung   |
| Program                    | Mathematics   |
| <b>Enrollment Year</b>     | 2018  |
| <b>Completion Year</b>     | 2025  |
| <b>Current Affiliation</b> | Assist. Professor, Khwopa College, Bhaktapur  |
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| Name                       | Harish Chandra Bhandari                       |
|----------------------------|---|
| Dissertation Title         | On graph neural networks and its applications |
| Supervisor (s)             | Prof. K. Jha , Dr. Yagya Raj Pandey           |
| Program                    | Mathematics                                   |
| <b>Enrollment Year</b>     | 2019  |
| <b>Completion Year</b>     | 2025  |
| <b>Current Affiliation</b> | Lecturer, Kathmandu University                |
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| Name                       | Bharat Raj Wagle   |
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| Dissertation Title         | Performance analysis of closed queueing networks systems |
| Supervisor (s)             | Prof. Dr. Ram Prasad Ghimire                             |
| Program                    | Mathematics  |
| <b>Enrollment Year</b>     | 2019   |
| <b>Completion Year</b>     | 2025   |
| <b>Current Affiliation</b> | Assist. Professor, Pokhara University                    |
| Mode                       | Part Time  |

| Name                       | Hem Raj Pandey  |
|----------------------------|---|
| Dissertation Title         | Modeling in Dengue disease transmission dynamics in Nepal: A fractional derivative approach |
| Supervisor (s)             | Prof. D.B. Gurung, Dr. Ganga Ram Phaijoo  |
| Program                    | Mathematics   |
| <b>Enrollment Year</b>     | 2020  |
| <b>Completion Year</b>     | 2024  |
| <b>Current Affiliation</b> | Assist. Professor, Pokhara University, Pokhara  |
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| Name                       | Uttam Budhathoki   |
|----------------------------|--|
| Dissertation Title         | Production, optimization and purification of Xylanase Brevibacillus borstelensis |
| Supervisor (s)             | Prof. Dr. Panna Thapa, Prof. P. Elliaha  |
| Program                    | Pharmacy   |
| <b>Enrollment Year</b>     | 2004   |
| <b>Completion Year</b>     | 2011   |
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| Name                       | Rajani Shakya   |
|----------------------------|---|
| Dissertation Title         | In vitro and in vivo evaluation of gastroretentive floating drug delivery system of ofloxacin |
| Supervisor (s)             | Prof. R.N. Saha and Prof. Dr. Panna Thapa   |
| Program                    | Pharmacy  |
| <b>Enrollment Year</b>     | 2004  |
| <b>Completion Year</b>     | 2012  |
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| Name                       | Ujjwal Man Joshi   |
|----------------------------|--|
| Dissertation Title         | Surface modification of Polymers by 50 Hz dielectric barrier discharge produced in air and Argon at atmospheric pressure |
| Supervisor (s)             | Prof. Dr. Deepak Prasad Subedi   |
| Program                    | Physics  |
| <b>Enrollment Year</b>     | 2006   |
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| <b>Current Affiliation</b> | Professor, Kathmandu University  |
| Mode                       | Part Time  |
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| Name                       | Raju Bhai Tyata  |
|----------------------------|--|
| Dissertation Title         | Generation, characterization and application of dielectric barrier discharge and atmospheric pressure glow discharge |
| Supervisor (s)             | Prof. Dr. Deepak Prasad Subedi,<br>Prof. Dr. C. S. Wong  |
| Program                    | Physics  |
| <b>Enrollment Year</b>     | 2009   |
| <b>Completion Year</b>     | 2013   |
| <b>Current Affiliation</b> | Professor, Khwopa College of Engineering   |
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| Name                       | Rajendra Shrestha   |
|----------------------------|---|
| Dissertation Title         | Experimental study of atmospheric pressure plasma jet and its application |
| Supervisor (s)             | Prof. Dr. Deepak Prasad Subedi  |
| Program                    | Physics   |
| <b>Enrollment Year</b>     | 2013  |
| <b>Completion Year</b>     | 2017  |
| <b>Current Affiliation</b> | Officer, Polytechnique Institute, Banepa                                  |
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| Name                       | Gobinda Prasad Panta   |
|----------------------------|--|
| Dissertation Title         | An experimental study of Ozone (O3) generated in atmospheric pressure dielectric barrier discharge (DBD) and its application for water treatment |
| Supervisor (s)             | Prof. Dr. Deepak Prasad Subedi   |
| Program                    | Physics  |
| <b>Enrollment Year</b>     | 2016   |
| <b>Completion Year</b>     | 2022   |
| <b>Current Affiliation</b> | Assist. Professor, Kathmandu University  |
| Mode                       | Part Time  |
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| Name                       | Hom Bahadur Baniya   |
|----------------------------|--|
| Dissertation Title         | Generation and characterization of atmospheric pressure plasma jet (APPJ) for polymer surface modification and biomedical applications |
| Supervisor (s)             | Prof. Dr. Deepak Prasad Subedi,<br>Prof. Dr. Gang Qin  |
| Program                    | Physics  |
| <b>Enrollment Year</b>     | 2017   |
| <b>Completion Year</b>     | 2021   |
| <b>Current Affiliation</b> | Assoc. Professor, Amrit Campus   |
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| Name                       | Rajesh Prakash Guragain   |
|----------------------------|---|
| Dissertation Title         | Effect of plasma treatment and plasma activated water on the seed germination and seedling growth |
| Supervisor (s)             | Prof. Dr. Deepak Prasad Subedi,<br>Assoc. Prof. Dr. Bishnu Prasad Pandey                          |
| Program                    | Physics   |
| <b>Enrollment Year</b>     | 2018  |
| <b>Completion Year</b>     | 2022  |
| <b>Current Affiliation</b> | Instructor, Sagarmatha Engineering College  |
| Mode                       | Full Time   |
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# **School of Medical Sciences**

# काठमाडौं विश्वविद्यालय अनुसन्धान सम्बन्धी निर्देशिका, २०७९ School of Medical Sciences

#### Background

With the aim of providing qualified health professionals, Kathmandu University School of Medical Sciences (KUSMS) has started undergraduate medical program and added other various allied health sciences program in due course of its establishment. The main objective of KUSMS then was to fulfill the shortage of health professionals in the country and be the part of development process of the country as a whole. In due course of moving forward in providing health experts for the country, KUSMS has also started post-graduate course in various pre-clinical and clinical subjects so that Nepali people can get benefitted from the specific subject experts in the case of academics as well as in health care delivery system. KUSMS moved one big step to take challenge in training Nepali doctors into the super specialization fields like Neurology, Neurosurgery, Gastro-intestinal surgery, Plastic surgery etc.

Furthermore, KUSMS's endeavor to provide better and evidence based quality education to the health professionals is going to start Doctor of Philosophy (PhD). Research is a vital component in academic institutes and has become a standard means of acquiring authentic knowledge. Therefore, research plays a crucial role in the development of institute as a whole. This creates a platform to establish one's identity in the international arena as a research oriented institute which eventually helps in acquiring research grant from national and international funding agencies.

#### Goal of the program

To produce competent health professionals for conducting health-related research

#### Objectives of the program

- 1. To produce competent researcher
- 2. To integrate research in the traditional academic activities
- 3. To develop research skills
- To train health science related professionals to practice evidence based medicine and knowledge
- 5. To produce research leader in the country

#### Outcome of the program

At the end of the program, the candidate shall be able to:

- 1. Work as an independent researchers in their respective discipline
- 2. Practice evidence based knowledge
- 3. Train students more efficiently in conducting good research
- 4. Introduce cutting edge research skills and knowledge by applying grant
- 5. Contribute in the development of the respective institutions.

#### Program details

The candidates who are enrolled in PhD program shall be working independently under the supervision of the designated supervisor/guide. The candidates should be working full time with the respective supervisor/guide and as per the instructions of the respective supervisor/guide.

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The candidates also have to be involved in teaching activities as per the requirement of the respective department in which they are enrolled. The candidates must attend and acquire the minimum score in various research related courses as prescribed by the institutions for the respective program.

#### पिएच. डी (Ph. D.) तह

#### परिभाषा :

विषय वा प्रसङ्ले अर्को अर्थ नलागेमा यस निर्देशिकामा

- (क) 'विश्वविद्यालय' भन्नाले काठमाडौँ विश्वविद्यालय ऐन, २०४८ बमोजिम स्थापना भएको काठमाडौँ विश्वविद्यालय सम्भन् पदंछ।
- (ख) नियम' भन्नाले काठमाडौँ विश्वविद्यालय, अनुसन्धान सम्बन्धी नियम, २०६२ र यसका संशोधित रूप सम्भन् पर्दछ ।
- (ग) 'अनुसन्धान समिति' भन्नाले काठमाडौं विश्वविद्यालय, अनुसन्धान सम्बन्धी नियम, २०६२ का नियम २.९ अनुसार गठन गरिएको अनुसन्धान समितिलाइ जनाउनेछ ।
- (घ) 'विद्यावारिधि (पएच.डी)' भन्नाले विश्वविद्यालयद्वारा प्रदान गरिने विद्यावारिधि (Ph.D) का शैक्षिक उपाधि सम्भन पर्दछ ।
- (ड) 'शोधार्थी' भन्नाले पिएच.डी.तहमा अनुसन्धान गर्ने व्यक्ति सम्कन् पदंछ ।
- (च) 'शोध-पत्र' भन्नाले विद्यावारिधि (पिएच.डी.) तहमा अनुसन्धान गर्ने शोधार्थीवाट प्रस्तुत गरिने अनुसन्धानात्मक लेख (Dissertation) सम्कन् पर्दछ ।
- (छ) 'वाह्य-परीक्षक' भन्नाले डिनद्वारा मनोनित 'विषयगत वा अन्तर्विषयक विशेषज्ञहरू' सम्कन् पर्दछ ।
- (ज) 'शोध-निर्देशक' भन्नाले शोध निर्देशन कार्य गर्ने व्यक्तिलाई सम्भन् पर्दछ ।
- (भ्रः) 'प्रमुख सुपरिवेक्षक' (Principal Supervisor) भन्नाले अनुसन्धानमा विद्यार्थीलाई सुपरिवेक्षण गर्ने डिनवाट तोकिएको शोध सुपरिवेक्षक/ शोध-निर्देशक सम्भन् पर्दछ ।
- (ल) 'सह-सुपरिवेशक' (Joint-Supervisor) भन्ताले प्रमुख सुपरिवेशक /शोध-निर्देशकसँग सहकार्य
  गर्न प्रमुख सुपरिवेशक/ शोध-निर्देशकको सिफारिसमा डिनवाट तोकिएको व्यक्ति सम्भन्
  पर्यछ ।

- (ट) उप-सुपरिवेक्षक (Co-Supervisor) भन्नाले 'प्रमुख सुपरिवेक्षक/शोध-निर्देशक'का सिफारिसमा डिनबाट विद्यार्थीलाई सुपरिवेक्षण गर्न तोकिएको न्यूनतम एसोसिएट प्रोफेसर तहका व्यक्ति सम्भन् पर्दछ ।
- (ठ) 'शोध-परामर्शदाता' भन्नाले शोध निर्देशकलाई परामर्श दिन विषयगत वा अन्तविषयक विशेषज्ञहरू सम्भन् पर्दछ ।
- (ड) 'शोध-प्रस्ताव' भन्नाले विचावारिधि (पिएच.डी.) तहको अनुसन्धान कार्यका लागि प्रस्तुत गरिने Research Proposal सम्भन् पर्दछ ।
- (ढ) 'तोकिएको' वा 'तोकिए बमोजिम' भन्नाले काठमाडौँ विश्वविद्यालय अनुसन्धान सम्बन्धी नियम २०६२ अन्तर्गत तोकिएको वा तोकिए बमोजिम बनेका निर्देशिका सम्भन् पर्दछ ।

## २. आवेदनको लागि योग्यता :

विभिन्न तहमा गरी कमसेकम १८ वर्षको (१०+२+४+२) अध्ययन अवधिको आधारमा सम्बन्धित विषयमा स्नातकोत्तर (मास्टर्स) तहको परीक्षामा न्यूनतम प्रथम तहमा (First Division) उत्तीर्ण वा 4 Point scale मा Cumulative Grade Point Average (CGPA) ३.०० अथवा सो सरह प्राप्त गरेको हुनु पर्नेछ र सम्बन्धित विषयको स्नातकोत्तर पश्चात स्वास्थ्य शैक्षिक संस्थामा कमसेकम २ वर्षको कार्य अनुभव हुन पर्नेछ ।

Note: १७ वर्ष (१०+२+३+२) वा (१०+२+४+१) मात्र अध्ययन गरेको हकमा सम्बन्धित विषयमा स्नातकोत्तर (मास्टर्स) तहको परीक्षामा न्यूनतम प्रथम तहमा (First Division) उत्तीर्ण वा 4 Point scale मा Cumulative Grade Point Average (CGPA) ३.०० अथवा सो सरह प्राप्त गरेको हुनु पर्नेछ र स्नातकोत्तर पश्चात स्वास्थ्य शैक्षिक संस्थामा कमसेकम ३ वर्षको कार्य अनुभव हुन पर्नेछ ।

# आवेदन प्रक्रिया र छनोट समितिको गठन:

- (क) दफा २ मा तोकिएको योग्यता पुगेको उमेदवारले तोकिएको अवधिभित्र अनुसूची १ मा तोकिएको आवेदन फारमको ढाँचामा तोकिए बमोजिम आवेदन शुल्क बुफाई सम्बन्धित स्क्लमा आवेदन दिन पर्नेछ ।
- (ख) उमेदवारले आफूले विशिष्टीकरण गर्न चाहेको क्षेत्रसँग सम्बन्धित विषयमा पिएच. डी. अनुसन्धानमा संलग्न हुन अनुसन्धान समितिले मुल्याङ्गन गर्दा प्रवेश परीक्षा आवश्यक भए लिखित/मौखिक वा दुवै प्रकारका परीक्षाहरू स्कुलद्वारा सञ्चालन हुनेछ ।
- (ग) अनुसन्धान समितिले मूल्याङ्गन गरी उपयुक्त भए, पढनु पर्ने Course वा अन्य Requirements तोकी Supervisor को मनोनयन गरेर, अस्थायी/स्थायी दर्वाको सिफारिस

सिंहत डिन समक्ष अनुमोदनका लागि सिफारिस गर्नेछ । यो प्रयोजनका लागि अनुसन्धान सिमितिले एक छनोट सिमिति (Selection Committee) गठन गर्नेछ । Associate Dean (Research) संयोजक रहने गरी गठित छनोट सिमितिमा तीनदेखि पाँचजनासम्म सदस्य रहनेछन् । शोधार्थी देखि शोध-निर्देशकसम्मका छनोटका सिफारिस यो सिमितिले गर्नेछ । शोध-निर्देशकको सिफारिस गर्वा सिमितिले शोधार्थीका प्रस्ताव र प्रस्तावित शोध-निर्देशकको विशेषज्ञतालाई आधार मानी कार्य गर्नेछ ।

(घ) पिएच.डि. तहमा नाम दर्ताका लागि स्वीकृत भएका उमेदबारहरूले पाठ्यक्रम लिने बारे आवेदकको शैक्षिक योग्यता, तालिम, अनुभव, प्रकाशन आदीको मूल्याङ्गन गरी Credit transfer प्रक्रियाको आधारमा अनुसन्धान समितिले स्थायी वा अस्थायी नाम दर्ताको लागि सिफारिस गर्न सक्ने छ ।

आवेदकको शैक्षिक योग्यता, तालिम, अनुभव, प्रकाशन आदीको मूल्याङ्गन गर्दा ध्यान दिनुपर्ने कुराहरू

- कुल औपचारिक शिक्षाको वर्ष
- अनुसन्धान अनुभव
- अन्य अनुभव
- तालिम
- प्रकाशन
- अन्य उपयुक्त आधारहरू
- (9) स्थायी नाम दर्ता गर्न सिफारिस गरेका उमेदबारहरूको हकमा यदि एक मास्टसं तह पास गरिसकेपछि गरेका अरु मास्टर्स तह वा माथिका डिग्री तह/डिप्लोमा तह वा अन्य Advanced Level ट्रेनिङ्ग (Theoretical or Practical) को आधारमा थप अध्ययन गर्न नपर्ने अनुसन्धान समितिले ठहर गरे उमेदबारलाई निजले विशिष्टिकरण गर्न चाहेको क्षेत्रमा अनुसन्धान शुरु गर्न स्वीकृति प्रदान गर्नेछ ।
- (२) मूल्याङ्गन का आधारमा अस्थायी दर्ताका लागि उपयुक्त उमेदबारलाई अनुसन्धान समिति समक्ष अस्थायी दर्ताबाट स्थायी दर्ता पाउन उमेदबारले कम्तिमा १५ credit बराबरको Course Work गर्नु पर्नेछ ।
  - विभागले सिफारिस गर्ने Course मा, आवश्यकतानुसार ।
     अनुसन्धानसँग सम्बन्धित advanced courses हन्पर्ने ।

- Computer, language proficiency ₹ Research Methodology सँग सम्बन्धित Courses, आवश्यक परेमा Audit Course को रूपमा लिने ।
- Self-taught course (s)
- Seminar, Term Papers, review Papers, Presentation नियमित रुपमा गराई उपर्युक्त केडिट दिने ।
- अस्थायी दर्ताका आवश्यकताहरू एक सेमेष्टर भरीमा पूरा गरी सक्नु पर्नेछ । आवश्यक परेमा अनुसन्धान समितिको सिफारिसको आधारमा १ सेमेष्टर थप गर्न सिकने छ । थप अवधिमा पनि स्थायी दर्ताको आवश्यकता पूरा नगर्नेको अस्थायी दर्ता स्वत: रह हुनेछ ।
- (ड) पूरा समय विश्वविद्यालयमा रही अनुसन्धानमा संलग्न हुन तसक्ते तर अनुसन्धान गर्न चाहने उमेदवारहरू आशिक सोध-कर्ता (Part-time research scholar) मानिनेछन् । यस्ता उमेदवारहरूले आफ्नो कार्यालयको स्वीकृति सहित Part-time research गर्न निवेदन दिन सक्नेछन् । यस्ता उमेदवारहरूको योग्यता र आवेदन प्रक्रिया पूरा समय अनुसन्धान गर्नेहरूको सरह नै हुनेछ ।
- (च) छनोट सिमितिले एक पटकमा प्रोफेसरको हकमा ४ जना र एशोसिएट प्रोफेसरका हकमा ३ जना शोधार्थीका अधिकतम सुपरिवेक्षण सीमा तोबनेछ । तर, कुनै शोधार्थीले शोधकार्य सम्पन्न गरी शोध-पत्र (Dissertation) प्रमुख शोध-निर्देशक समक्ष पेश गरिसकेको अवस्थामा सो सङ्ख्यालाई अधिकतम विद्यार्थी सङ्ख्यामा गणना गरिने छैन ।

# ४. नाम दर्ता :

दफा ३ अनुसार योग्य देखिने उमेदवारलाई अनुसन्धान समितिले सिफारिस गरेअनुसार छानिबन/छलफल गरी डिन मार्फत स्थायी/अस्थायी नाम दर्ता गर्न स्वीकृति प्रदान गरिनेछ । प्राज्ञिक आचार संहिता (Academic Code of Integrity) पाठ्यक्रम र प्रकाशन सम्बन्धी कुनै विशेष शतं वा मन्जुरीनामाबारे नाम दर्ता गर्दा स्पष्ट उल्लेख गर्नुपर्ने छ ।

# अध्ययन अनुसन्धानको समयाविध :

(क) पिएच.डी. अध्ययन अनुसन्धानका समयाविध पूर्णकालीनका हकमा नाम दर्ता भएको मितिले किन्तमा ३ वर्षको हुनेछ । आशिक समय अनुसन्धान गर्नेहरूले भने दर्ता भएपछि ४ वर्षपछि सोध-पत्र बुक्ताउन सक्नेछन् । तर, ५ वर्षसम्म पनि अनुसन्धान पूरा नभए विषयको प्रकृति अनुसार सम्बन्धित प्रमुख शोधनिर्देशकका सिफारिसमा अनुसन्धान समितिले सो समयाविध साधारणतया बढीमा १ वर्षसम्म थप पनि गर्न सक्नेछ ।

- (ख) विद्यावारिधि अध्ययनका लागि नाम दर्ता भएको मितिले पूर्णकालीनका हकमा ६ वर्षसम्म र आशिकका रुपमा ६ वर्षसम्म जुन निरन्तर पूर्णकालीन वा आंशिकलाई दिइएका समयको दोव्बर हुन जाने हुँदा सो अनुसार अध्ययन पूरा गर्न नसक्ने सोधार्थीको दर्ता स्वतः खारेज हुनेछ ।
- (4) If the PhD Research/study does not get completed within 6 years for full time, the registration of the candidate shall be automatically cancelled. In case of transfer candidate, this duration is minimum 1.5 years and maximum 3 years.
- ६. उपस्थिति :

सम्बन्धित विषय र शीर्षकको प्रकृति अनुरुप उमेदवारले प्रति हप्ता अनुसन्धान सम्बन्धी काममा संलग्न रहनु पर्ने समय (Working hours) निर्धारण गरी त्यसैका आधारमा उपस्थिति प्रतिशत प्रमुख शोध निर्देशकले तोक्नेछ ।

- शोधिनर्देशक(हरू) (Thesis/Dissertation Supervisor(s)) शोध-निर्देशन समिति (Thesis/Dissertation Advisory Committee) / शोधिनर्देशक र विशेषज्ञको व्यवस्था र योग्यता :
  - (क) शोध निर्देशक र शोध विशेषज्ञका लागि कमसेकम पिएच. ही. अध्ययन पूरा गरी साधारणतया एसोसिएट प्रोफेसर र २ वर्ष सो तहको अनुभव भएको वा सोभन्दा माधिको व्यक्तिलाई अनुसन्धान समितिले शोध निर्देशक तोक्न सक्नेछ । दुईजना शोध निर्देशकहरूका नियुक्ति गरी निजहरूको निर्देशनमा शोध निर्देशक समेतका परामर्श विद्वार आधि निर्देशकलाई परामर्श दिनका लागि शोध निर्देशक समेतका परामर्श लिई आवश्यक्ता अनुसार अरु २ जनासम्म विषयगत वा अन्तर्विषयक विशेषज्ञहरू शोध परामर्शदाताका रुपमा रहने गरी अनुसन्धान समितिले तोक्न सक्नेछ ।
  - (ख) शोध-निर्देशकहरू अनिवार्य रूपमा विद्यावारिधि (Ph.D. or D.Phil) उपाधि प्राप्त गरिसकेको हुनुपर्नेछ । प्रमुख शोध-निर्देशक (Principal Supervisor) विद्यावारिधि उपाधि प्राप्त कम्तिमा प्रोफेसर तथा Pubmed मा सूचीकृत जर्नल वा विश्वविद्यालय अनुदान आयोगबाट मान्यता प्राप्त जर्नलमा ४ वटासम्म अनुसन्धानमूलक लेख प्रकाशित गरेको, पूर्णकालीन रूपमा कार्यरत रहेको हुनुपर्नेछ । तर, उच्चिशक्षाका क्षेत्रमा विद्यावारिधिपछि विगत १० वर्ष प्रध्यापन वा अनुसन्धान कार्य पूरा गरिसकेका प्राध्यापकको हकमा भने अनुसन्धानात्मक प्रकाशन अनिवार्य हुने छैन ।

यचपी, विद्यावारिधि उपाधि नभएका (MD/MS/MDS degree) तर प्रोफेसर तहमा पदोन्नित भई ४ वर्ष अध्यापनमा संलग्न भई कम्तिमा १० वटा मुख्य वा पहिलो लेखक (Principal

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Author) तथा Corresponding Author भई वैज्ञानिक लेख (Original Research Article) लेखिसकेंको र पिछल्लो ४ वर्ष लगातार वैज्ञानिक लेख प्रकाशन गरी अनुसन्धानको राम्रो अनुभव प्राप्त गरेको हुनुपर्नेछ । तथापी, यी प्रोफेसरका हकमा कुनै विद्यावारिधिका विद्यार्थी सुपरिवेक्षण गर्दा एकजना विद्यावारिधि उपाधि प्राप्त, कम्तिमा एसोसिएट प्रोफेसर वा सो सरहको सह-सुपरिवेक्षक (Joint Supervisor) हुनुपर्नेछ ।

- (ग) सह-सुपरिवेक्षक (Joint Supervisor) विद्यावारिधि उपिध प्राप्त, कम्तिमा एसोसिएट प्रोफेसर वा सो सरह, Pubmed मा सूचीकृत जर्नल वा विश्वविद्यालय अनुदान आयोगबाट मान्यता प्राप्त जर्नलमा ३ वटासम्म अनुसन्धानमूलक लेख प्रकाशित गरेका हुनुपर्नेछ । उप सुपरिवेक्षक (Co-supervisor) विद्यावारिधि उपिध प्राप्त, कम्तिमा एसोसिएट प्रोफेसर वा सो सरह, Pubmed मा सूचीकृत जर्नल वा विश्वविद्यालय अनुदान आयोगबाट मान्यता प्राप्त जर्नलमा विद्यावारिधिपछि २ वटा सम्म अनुसन्धानमूलक लेख प्रकाशित गरेका हुनुपर्नेछ ।
- (घ) शोध-निर्देशक वा शोध परामर्शदाताका रूपमा विश्वविद्यालय बाहिरका उपयुक्त व्यक्तिलाई समेत छनोट गर्न सिकनेछ । उपयुक्त व्यक्तिको छनोटको आधार अनुसन्धान समितिले निर्धारण गरेवमोजिम हुनेछ ।
- (ड) शोधकार्य निर्देशन सिमित (Thesis/Dissertation Advisory Committee) मा प्रमुख शोध-निर्देशक संयोजक रहने गरी संयोजक सिहत ३-५ जनासम्म सदस्य रहने छन् । शोधार्थीलाई अनुसन्धानमा सल्लाह दिन र आवधिक प्रगति मूल्याङ्गन गर्न गठित यस सिमितिका बैठक वर्षमा कम्तिमा ३ पटकसम्म वस्नेछ । यो सिमितिले आवश्यक ठानेमा बाह्य विज्ञका उपस्थितिमा एक पूर्व-प्रतिरक्षा (Pre-defense) प्रस्तुतीको व्यवस्था समेत गर्न सक्नेछ ।

# शोध निर्देशकको काम कर्तव्य :

शोध निर्देशक र निर्देशन समितिको काम-कर्तव्य निम्नानुसार हुनेछ :

- शोधार्थीलाई अनुसन्धान कार्यमा मार्गदर्शन गर्ने र शोध-पत्रको निरीक्षण र सधार गर्ने ।
- (ख) शोधार्थीको हाजिरी तथा अनुसन्धान कार्यका विवरण (Log-book) राख्ने ।
- (ग) प्रत्येक ६/६ महिनामा शोधार्थीको कार्यप्रगति अनुसन्धान समिति समक्ष पेश गर्ने ।
- (घ) अनुसन्धान समितिलाई शोध अनुसन्धान सम्बन्धमा राय परामर्श दिने ।
- अनुसन्धान समिति समक्ष वाह्य-परीक्षकहरूको नामावली सिफारिस गरी पठाउने ।
- (च) तोकिएको अन्य काम गर्ने ।

## ९. शोधकार्यको लागि स्थानान्तरण :

(क) शोधार्थीलाई आवश्यक परेमा शोध निर्देशकको सिफारिसमा डिनले स्वदेश तथा विदेशका तोकिएका स्थान वा स्थानहरूमा रही तोकिएको अवधिसम्म अनुसन्धान सम्बन्धी कार्य गर्न अनुमति दिन सक्नेछ ।

- (ख) PhD Candidate from other universities can be transferred to Kathmandu University under the following conditions:
  - S/He must have fulfilled PhD pre-requisites as per the requirements of Kathmandu University.
  - S/He should not have submitted either dissertation or participated in Viva-Voce in the registered Universities.
  - The PhD candidate seeking transfer should have been registered for at least a year at his/her original University.
  - S/He must submit recommendation letter from the university and/or the supervisor.
  - 5. Candidate must have English language proficiency.
  - If the candidate meets the above-mentioned criteria and if the Research Committee considers it appropriate for the transfer, the committee may transfer a maximum of 1.5 years equivalent of Research work.

## १०. अन्यत्र निय्क्ति र अध्ययनमा बन्देज :

- (क) अनुसन्धानको अवधिमा कुनै पिन शोधार्थीले अनुसन्धान समितिको पूर्व स्वीकृति विना अनुसन्धानका अतिरिक्त अन्य कामका लागि अन्यत्र नियक्ति लिन पाउने छैन ।
- (ख) शोधार्घीले अनुसन्धान अविधमा अनुसन्धान समितिको पूर्व स्वीकृति विना विश्वविद्यालय वा सार्वजनिक संस्थानद्वारा सञ्चालित अन्य विषयको पाठ्यक्रमको कुनै पनि परीक्षामा सम्मिलित हन पाउने छैन ।
- (π) PhD candidate would be warned by the Research Committee upon three consecutive unsatisfactory progress reporting. If the candidate performance is not satisfactory even after the warning in the fourth Research evaluation, his/her registration for the PhD shall be cancelled.

# ११. शोध-प्रवन्धको माध्यम :

शोध-प्रवन्धको माध्यम अंग्रेजी भाषामा हुनेछ ।

# १२. शोध-प्रबन्धको प्रस्तुती :

 यस तहमा अनुसन्धान गर्ने शोधार्थीले निर्देशिकाको दफा ५ मा तोकिएको समयाविधिभित्र आफ्नो शोध-प्रवन्ध शोध निर्देशकको सिफारिस सहित डिन समक्ष प्रस्तुत गर्ने ३ महिना पूर्व आफूले दिएको देनको प्रकृति र प्रमुख रुपरेखा दशांएको शोध-प्रवन्धको सारांश (Synopsis) पेश गर्नु पर्नेछ ।

- (ख) शोध-प्रवन्धको ढाँचा वा नमुना अनुसूची-३ मा उल्लेख भए बमोजिम हुनेछ ।
- (ग) शोध-प्रवन्धलाई अन्तिम रूप दिई परीक्षणका निम्ति दुई जना बाह्य परीक्षक समक्ष पठाउनुभन्दा पहिले शोध निर्देशकदारा "मेरो आफ्नै सुपरिवेक्षणमा रही तोकिएको अविध भरसम्म नै शोधार्थीले सन्तोषजनक रूपले काम गरेको हो र प्रस्तुत शोध-प्रवन्ध आफैले (शोधार्थीले) तयार पारेको हो" भन्ने प्रमाणित गरिएको हुनु पर्नेछ ।
- (घ) शोधार्थीले आफ्नो अनुसन्धान कार्य सिकएपछि शोध-पत्र प्रस्तुत गर्न निम्न विवरण पेश गर्न पनेछ :
  - (9) ४ प्रति प्रिन्ट र binding गरिएको शोध-पत्र ।
  - (२) आफूले दिएको देनको प्रकृति र प्रमुख रुपरेखा दर्शाएको शोध-पत्रको सारांश ।
  - (३) आफ्नो शोध निर्देशकवाट 'मेरो आफ्नै सुपरिवेक्षणमा रही तोकिएको अवधि भरसम्म नै शोधार्थीले सन्तोष जनकरुपले काम गरेको हो र प्रस्तुत शोध-पत्र आफ्नैले (शोधार्थीले) तयार पारेको हो' भन्ने प्रमाण-पत्र ।
  - शोधार्थीको सम्बन्धित विषयमा प्रकाशित भएका कार्यहरू भए सोको सची ।
- (ड) शोधार्थीले कम्तीमा दुई (२) वटा लेख-रचना अनिवार्य पेश गर्नु पर्नेछ । लेख-रचना Pubmed-indexed journal वा विश्वविद्यालय अनुदान आयोग (UGC) बाट सुचिकृत जर्नलमा प्रकाशित भएको हुनु पर्नेछ । प्रकाशन गर्दा दुवै अन्तर्राष्ट्रिय स्तरका जर्नलमा प्रकाशित गर्न वा एउटा राष्ट्रिय क्षेत्रीय स्तरको र अर्को अनिवार्य अन्तर्राष्ट्रिय स्तरको हुनु पर्नेछ ।

## १३. बाह्य परीक्षक :

प्रमुख शोध निर्देशकले कम्तिमा ३ जना वाह्य विशेषज्ञहरूको (प्राध्यापक तह) नामावली सिफारिस गरी अनुसन्धान समिति समक्ष पेश गर्नेछन् र अनुसन्धान समितिले स्वीकृत गरेको नामावलीहरू मध्येबाट डिनले २ जनालाई बाह्य परीक्षक तोक्नेछन् ।

## १४. परीक्षा र मूल्याङ्गन :

शोध-प्रवन्ध परीक्षण एवं मूल्याङ्गनका लागि निर्देशिकाको दफा (१२) को प्रक्रिया पश्चात् डिनले सम्बन्धित विषयका २ विशेषज्ञ (वाह्य परीक्षक) समक्ष पठाउनेछ । वाह्य परीक्षकहरूले तोकिएका आधारहरू समेतलाई दृष्टिगत गरी शोधार्थीको शोध-प्रवन्धको मूल्याङ्गन गर्नु पर्नेछ ।

#### १४ . मृल्याङ्गका आधारहरू :

शोध-प्रवन्धको मूल्याङ्गका अनुसूची २ मा तोकिएको आधारमा गरिनेछ, मूल्याङ्ग गर्दा देहायका कुरालाई अग्रिम प्राथमिकता दिनु पर्नेछ ।

- (क) अनुसन्धानको मौलिकता ।
- (ख) नयाँ तथ्यको खोजी र विद्यमान वा ज्ञान तथ्यको नयाँ अन्तर सम्बन्धको व्याख्या ।
- (ग) सम्बन्धित विषयका ज्ञानको क्षेत्रमा नवाँ आयाम थप ।
- (घ) भाषिक शुद्धता र शोध-प्रवन्धको प्रस्तुतीकरण ।
- (ङ) शोधविधि प्रस्तृतीकरणको ढाँचा ।
- (च) शोध-प्रवन्धको स्तर ।

# १६ . शोध-प्रवन्धको स्वीकृति :

दुवैजना बाह्य परीक्षकले परीक्षण र मूल्याङ्गन गरी स्वीकृत गरेमा शोध-प्रबन्ध स्वीकृत भएको ठहर्नेछ । तर, कुनै एकले अस्वीकृत गरेमा पुनः तेस्रो बाह्य परीक्षकबाट परीक्षण र मूल्याङ्गन गराउनु पर्नेछ । तेस्रो बाह्य परीक्षकबाट अस्वीकृत भएको वा शुरुमै तोकिएका दुवै परीक्षकबाट अस्वीकृत भएको वा शुरुमै तोकिएका दुवै परीक्षकबाट अस्वीकृत भएको अवस्थामा अनुसन्धान समितिले शोधार्थीलाई पुनः अनुसन्धानमा लगाउने अथवा कार्यक्रमबाट हटाउन सक्नेछ ।

यदि कुनै वाह्य परीक्षकले शोध-प्रवन्धमा केही संशोधन गर्नुपर्ने आवश्यकता देखाएमा शोधार्यीले सोही बमोजिम संशोधन गरी शोध-प्रवन्ध पुन: मूल्याङ्गनका लागि पेश गर्नुपर्नेछ ।

# १७. मौखिक परीक्षा :

दफा १६ बमोजिम बाह्य परीक्षकबाट शोध-प्रवन्ध स्वीकृत गरिएपछि दफा १८ बमोजिमको परीक्षण समिति समक्ष शोधार्थीले मौखिक परीक्षा दिनु पर्नेछ । मौखिक परीक्षा Table viva voce र सार्वजनिक (Public defense) रुपमा हनेछ ।

## १८. परीक्षण समिति :

दफा ९७ को प्रयोजनको लागि अनुसन्धान समितिले परीक्षण समितिको गठन गर्नेछ, जसमा देहायका व्यक्तिहरू रहने छन् :

(9) डिन वा एसोसिएट डिन (Research)

- अध्यक्ष
- (२) सम्बन्धित विषयका विशेषज्ञ प्राध्यापकहरू मध्येबाट एक (वाह्य परीक्षक)
- सदस्य

(३) प्रमुख शोध निर्देशक

- सदस्य
- (४) विषयगत वा अन्तर विषयगत प्राध्यापकहरू मध्येवाट डिनद्वारा मनोनित १ जना सदस्य
- (x) विज्ञ प्राध्यापकहरू मध्येवाट उपकुलपतिद्वारा मनोनित १ जना

- सदस्य

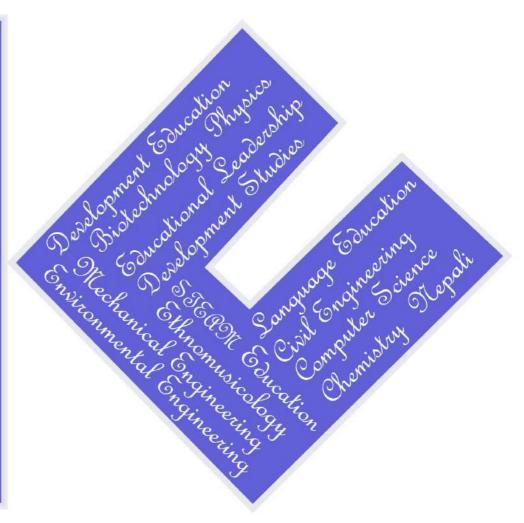
समितिले परीक्षा नियन्त्रकलाई आमन्त्रित गर्न सक्नेछ ।



- १९. परीक्षा समितिमा सिफारिस गर्ने दफा (१८) बमोजिमको परीक्षण समितिको नितजा अनुमोदन गर्नका लागि डिनले परीक्षा नियन्त्रकको कार्यालयमा पठाउनेछ ।
- २०. <u>उत्तींणता</u> : शोधार्थीले दफा १८ अनुसारको मौखिक परीक्षामा समेत सफलता प्राप्त गरेपछि निजलाई पिएच.डी. तहको परीक्षामा उत्तीर्ण घोषित गरिनेछ ।
- २१. निर्देशिकाको व्याख्या गर्ने अधिकार : यस निर्देशिकाको व्याख्या अनुसन्धान समितिको परामर्शमा प्राज्ञिक परिषद्ले गर्नेछ ।

**Note:** Currently, there are no Ph.D. graduates from the School of Medical Sciences, as the Ph.D. program was introduced recently in 2023. The first cohorts of graduates are anticipated in the upcoming years.

Electrical and Electronics Engineering
Human and Natural Resources Studies
Management Geomatics English
Mathematics Curriculum and Snstructions





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