



# TRIBHUVAN UNIVERSITY INSTITUTE OF ENGINEERING

## Guidelines for Post-Doctoral Research Study Programme

TRIBHUVAN UNIVERSITY  
INSTITUTE OF ENGINEERING

**1. INTRODUCTION**

Institute of Engineering is one of the top and oldest technical Institute of Nepal. It is located in Pulchowk Lalitpur. After the introduction of New Education System Plan in 1972 in the country, Institute of Engineering (IOE) was formed under Tribhuvan University and both the Nepal Engineering Institute and Technical Training Institute were brought under Institute of Engineering. Institute of engineering begin bachelor courses in engineering from 1978, master courses from 1996 and doctoral program from December 4, 1997. Doctoral programs are run only in Central campus, Pulchowk.

Institute of Engineering (IOE) is going to conduct post-doctoral research study programme. The post-doctoral study is in recognition of high achievement in independent research. The key requirement is preparation and publication of a research articles in a Peer reviewed Journal. The publication shall be a report of a research work characterized by either discovery of new facts or a new interpretation of known facts and theory or an independent design and development or development of a new instrument or technology.

**2. ELIGIBILITY OF A CANDIDATE**

The minimum qualification required for post-doctoral study is Ph.D. degree or equivalent in the related field from TU or other institutions of higher education recognized by TU. The maximum duration of post-doctoral study is **one year**. For eligibility in a post-doctoral research study the Candidate should be

- i. Nepali citizen
- ii. Having permanent academic position at IOE
- iii. Holding Ph.D. Degree from accredited university
- iv. Possessing working experience of at least 3-years after completing Ph.D.
- v. Having publication of at least 1-peer reviewed, refereed journal paper after Ph.D.
- vi. Submitting research proposal
- vii. Submitting 2 reference letters indicating the potential of the candidate to do research independently.

### 3. APPLICATION

Institute of Engineering will announce applications for post-doctoral research study. Along with the application the applicant must submit the following documents:

- Photocopy of Nepali citizenship
- Letter of permanent academic position at IOE
- Certificate of Ph.D. Degree from accredited University
- Letter of working experience of at least 3-years after completing Ph.D.
- Publication of at least 1-peer reviewed, refereed journal paper after Ph.D.
- 2 reference letters indicating the potential of the candidate to do research independently.
- Research proposal as per the following format,  
The research proposal shall outline the research that the candidate is proposing to undertake for the post-doctoral degree. It should consist of an introduction, topic definition, purpose of research, importance of research and research originality, research problem and research questions, a short literature review to indicate validity of research purpose and research questions and state of research works on the issue at local, regional and global levels, hypothesis of problem solutions if any, proposed methodology/field and laboratory needs, synopsis/state of research if already embarked upon, expected output in terms of discoveries, theories or interpretations and or possibilities, references and bibliography. The research proposal shall be presented in about 2000 words.
- List of published research articles and research reports that give an idea of research achievement of the past.

#### SCHEDULE

A calendar of activities to achieve the research proposal for about **one year** shall be included

#### EXPECTED OUTPUTS

- At the end of post-doctoral research fellowship, the candidate should have a paper acceptable for publication in the refereed journal.
- The post-doctoral fellow is expected to contribute on various activities like course tutoring, research advising and evaluation, scholar presentations and other academic related activities.

## REFERENCES

At the end of the proposal present a brief list of references and bibliography. References should be listed in alphabetical order and include the name of the author, date, title, place of publication and name of publisher, city of publication of the works cited in the proposal.

## SELECTION CRITERIA

	<b>Description</b>	<b>Weightage</b>
1.	Research Proposal Evaluation	40%
2.	Presentation	40%
3.	Interview	15%
4.	Enthusiasm/Commitment/Area of interest matching assessment	5%

## 5. INSTITUTE OF ENGINEERING RESEARCH COMMITTEE (IERC)

1. The IERC will be the apex authority for all the research/study programs at the Institute of Engineering. The post-doctoral program of IOE shall be regulated by the IERC constituted under the chairmanship of the Dean of the Institute of Engineering.
2. The Institute of Engineering Research Committee (IERC) will frame operating guidelines for Post-Doctoral research study programme.
3. The IERC have the overall policy responsibility for the design, management and implementation of research/degree study programs and their standards.