

OFFICE OF RESEARCH, INNOVATION AND COMMERCIALIZATION (ORIC)
University of Engineering and Technology, Lahore

Ph.D. Research Proposal

(To be prepared by the applicant in consultation with the proposed Internal Supervisor. The proposal shall conform to the format and headings detailed below).

Department: _____

Faculty: _____

Title of the Research Project:

Name of Student:

Registration No:

Date of Registration (Please give exact date)

Full Time/Part-Time:

Internal Supervisor: _____

1. Abstract

Please provide a summary of the project that is understandable by a wider range of audience outside your discipline. The abstract must describe the project, research goal, methodology, and expected results etc.

Restricted to one page only.

2. Research Narrative

Describe in detail the problems to be addressed and/or opportunities to be followed by the proposed project. The statement must clearly demonstrate the rationale, opportunities and research goals duly supported with bibliography/review of literature with the concurrent research efforts on the knowledge frontier.

3. Research Novelty

Clearly state the research novelty and the original scientific, technological, and industrial contributions in the knowledge domain.

4. Research Objectives and Scope

Please provide, bullet points, the primary and secondary objectives to be achieved of this research. It is desired that the objectives are SMART (Specific, Measurable, Achievable, , Relevant/Realistic and Time-bound). The research scope be described in this section as well.

5. Literature Survey

Brief survey of past work done on the topic clearly highlighting the existing gaps and what new information will be added to the existing pool of knowledge and describe how the proposed project builds on prior research.

6. Research Methodology

a. Description of how research will be conducted.

Describe the project design, conceptual framework, procedures, and analyses to be used to accomplish the objectives of the project and describe a methodology for determining the degree to which a project meets its objectives, both while the project is underway and at its conclusion.

b. Experimentation

c. Experimental set up

Describe tools clearly and separately for each objective.

d. Theoretical Studies

e. Results expected and Methods for Analysis

Clearly and concisely state the final results expected from the activity and the techniques and tools utilized for the analysis of the results. Clearly explain the utilization of the research results and how would they contribute towards the achievement of projects objectives and goals.

7. Research Outcomes & Deliverables

Please explain the major outcomes and deliverables of this research.

Please clearly highlight if the research has some specific products and patents.

8. Socio-Economic Benefits of Research

9. Research Collaborations

Scientific personals, laboratories, industrial testing etc.

10. Existing Institutional Facilities

11. Industrial Collaboration

Yes

No

In case of applied research, identify the industry in Pakistan which will get benefit from the process/product. Clearly justify how the proposed research will contribute to the national economy/social and attach supporting documentation.

Please explain commercial significance/industrial application of the research, if any.

Remarks of the Industrial Advisory Board of the department or from the partner industry are preferred.

12. Funding Plan

Please explain briefly the funding sources available and/or planned for this research. This section may include the funding available from funded project/grants, industrial partners or any other internal or external sources.

In case of funds planned and required from UET, please attach a budget sheet as per available template on ORIC website.

13. Research Dissemination Plan

Explain the activities that will be carried out to disseminate the results of this research. The target journals for publication may be stated as well. Please learn about the compulsory publication requirements for Ph.D. degrees.

14. Research Timetable

Showing the period for the start of work and expected time for each stage like, literature review, time for experimental set up, experimentation, analysis of results and submission of thesis etc.

15. Names and Details of the Proposed Co-Supervisor(s), if any.

16. Details of the Proposed Supervisory Committee

17. References

Signature of Supervisor

Signature of the Applicant

Endst. No. Univ: _____

Dated: _____

The above proposal duly recommended by the Departmental Board of Studies/Committee of Post-Graduate Studies in its meeting held on _____ is forwarded to the Director ORIC for obtaining the approval of the Vice-Chancellor.

Dean of the Faculty

Chairman/Director of the Department