**NED University of Engineering & Technology**

**Department of Mathematics**

 **Proposal for MS Thesis Applied Mathematics**

**MS Thesis (MT-5002)**

**Note: The red color text in the following document must be replaced by your data.**

[Proposed Title\*]

\*Short title without abbreviations is recommended.

|  |  |
| --- | --- |
| **Student Name**  | Your Name S/D/o Father Name |
| **Roll No/Batch**  | Complete roll number with batch |
| **Program**  | [x]  | MS Applied Mathematics |
| [ ]  | Evening |
| [ ]  | Weekend |
| **Name of Supervisor** | Name of supervisor with department and designation |
| **Name of Co-Supervisor (If any)** | Name of co-supervisor with department and designation |
| **Duration** |  Fall 2023 to Spring 2024 |

[Proposed Title\*]

\*Short title without abbreviations is recommended.

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# Abstract

*Maximum 350 words*

*Highlight the context and background of the problem then mention briefly the objective of your research along with the proposed methodology, dataset (if any) and the possible software and hardware tools to be used.*

## Introduction and Motivation

*Discuss the introduction of the area of your research and highlight the prospects of further work and exploration in that area.*

## Literature Review

*Give a suitable account of the relevant recent work in your current area of study*.

## Proposed Research Work

*Discuss your research problem and objectives along with the limitations and scope of the research work.*

## Research plan

### Proposed Research Methodology

*Mention the proposed problem-solving approach, data collection methods (if needed), research questions, hypothesis etc.*

### Activity Timeline (Gantt Chart)

|  |  |
| --- | --- |
| **Project Activities** | **Month** |
| **Thesis 1** | **Thesis 2** |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
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**Sample Gantt chart (not to be included in the student’s proposal)**

|  |  |
| --- | --- |
| **Project Activities** | **Month** |
| **Thesis 1** | **Thesis 2** |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Literature Review |  |  |  |  |  |  |  |  |  |  |
| Model development |  |  |  |  |  |  |  |  |  |  |
| Data preparation |  |  |  |  |  |  |  |  |  |  |
| Coding and Integration |  |  |  |  |  |  |  |  |  |  |
| Model Testing |  |  |  |  |  |  |  |  |  |  |
| Final documentation |  |  |  |  |  |  |  |  |  |  |

## References

 \*References must be added in the following format only

1) Hoffman, K.C. & Jorgenson, D.W. (1977). Economic and technological models for evaluation of energy policy. Bell Journal of Economics, Vol. 8 (2), Page 444-466.

I certify that the above MS thesis proposal is prepared by me under the guidance of my supervisor and/or co-supervisor. I will carry out this research project with academic integrity, research ethics and punctuality. If my performance is found unsatisfactory in the mid-year evaluation or any time during this research project, my enrollment in MS thesis may be cancelled.

 **Signature of Student with date**

**For Office Use Only**

**Recommendations / Comments**

1. **Supervisor and/or Co-Supervisor:**

I / We agree to supervise the above-mentioned student. I / We verify that the MS thesis proposal was prepared by the student with my / our consultation and the similarity index of this proposal is less than 20%.

 **Supervisor Signature with date** **Co-Supervisor Signature with date**

1. **Post Graduate Coordinator (PGC):**

I certify that the above student has / has not achieved the minimum requirement /eligibility to enroll in MS thesis (MT-5002) as defined in the postgraduate regulations of NED University of Engineering & Technology.

The above student may / may not be recommended to enrolled in MS thesis.

**PGC Signature with date**

1. **Chairperson:**

This proposal is / is not recommended to be discussed in BoS.

**Chairman Signature with date**

1. **BoS Recommendation:**

This proposal is discussed in the BoS held, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

This proposal is recommended to be Approved / Approved with correction / Rejected.

**Chairman Signature with date**