Check Sheet for M. Sc. Thesis Proposal and Topic Approval

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***Certified that the Synopsis/Topic approval report is according to the approved format and items listed in Check Sheet.***

|  |  |  |
| --- | --- | --- |
| **Research Scholar** | **Research Supervisor** | **Director Postgraduate Studies, EED** |
| Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Reg No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_  Signature\_\_\_\_\_\_\_\_\_\_\_\_\_  Dated: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Signature\_\_\_\_\_\_\_\_\_\_\_\_\_  Dated: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Name:  Dr. M. Obaid Ullah  Signature\_\_\_\_\_\_\_\_\_\_\_\_\_  Dated: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

M.Sc. Thesis Proposal

Title of M Sc Thesis Topic Proposal



Submitted By

Name of Student

Student’s Registration Number

**Supervisor**

Name of Supervisor

Designation

**Co-Supervisor** (if any)

Name of Co-Supervisor

Designation and Affiliation

DEPARTMENT OF ELECTRICAL ENGINEERING

UNIVERSITY OF ENGINEERING AND TECHNOLOGY

TAXILA

Month Year

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1. **Problem Statement**

A problem statement is a concise description of the research question that needs to be addressed.

|  |
| --- |
| **First paragraph:** Very brief and to the point introduction of research area. |
|  |
| **Second Paragraph: 1.** State the problem clearly which you have to solve in proposed research. |
|  |
| 1. Describe how the proposed research will be validated |
|  |

***References are not required to be cited in text of problem statement.***

1. **Aims & Objectives**

Aims and objectives are a foundation on which the entire project is constructed, so they need to be sturdy and durable. (Before writing read carefully brief note on Aims & Objectives given at the end Annex-I.)

|  |
| --- |
| **Aims:** One or two is usually enough. However, one is preferred. |
|  |
| **Objectives** |
|  |

***No paragraph required here. Write aims and objectives using brief and crisp statements numbered like a), b)***

1. **Literature Review**

A literature review is an account of what has been published on a topic by accredited scholars and researchers. It is an evaluative comparison of various pieces of research and it must have connection with your research problem. Research is required to be the continuation preferably from Journal papers and may be from well-reputed conferences organized by renowned societies such as IEEE, IEE, ACM, etc

Scholars are required to observe followings while writing literature review:

|  |
| --- |
| 1. Object oriented description of proposed research area with references cited as [1], [2], [3]… |
|  |
| 1. Review of relevant cutting edge research papers. Please keep this thing in mind that literature review is not a list of articles followed by a short summary what they are about. |
|  |
| 1. Discussion culminating to identify bottlenecks/challenges |
|  |
| 1. Potential avenues of further research |
|  |
| 1. Selected avenue with reference |
|  |

***All the references are required to be cited in literature review section like [1], [2], …***

1. **Methodology of Research**

|  |
| --- |
| 4.1 Theoretical Studies: Write about the theoretical studies required |
|  |
| 4.2 Experimental Set Up: Describe about the experimental setup for proposal here. |
|  |
| 4.3. Method of Analysis: Discuss the method analysis to be used for the proposed research |
|  |
| 4.4 Result Expected: Write down the expected outcome from your research here |
|  |

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| --- |
| 1. Utilization of Research Results: Write about the expected utilization of result results here. |
|  |

1. **Work Schedule Plan**

Sample of work schedule is given below.

Collection of literature Two Weeks

Study of Literature Two Weeks

Analysis of Proposed Scheme One Month

Preparation of Scheme/Model One Month

Implementation of Scheme/Model One Month

Analysis and Simulation One Month

Result Formulation Two Weeks

Final Write-up & Thesis Submission Two Weeks

6.1 **Proposed Time Schedule**

Sample is given below.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity** | **Jan 16** | | **Feb 16** | **Mar 16** | **Apr 16** | **May 16** | **Jun 16** | |
| **2wk** | **2wk** | **4wk** | **4wk** | **4wk** | **4wk** | **2wk** | **2wk** |
| Collection of Literature |  |  |  |  |  |  |  |  |
| Study of Literature |  |  |  |  |  |  |  |  |
| Analysis of Proposed Scheme |  |  |  |  |  |  |  |  |
| Preparation of Schemes / Model |  |  |  |  |  |  |  |  |
| Implementation of Schemes/Model |  |  |  |  |  |  |  |  |
| Analysis & Simulation |  |  |  |  |  |  |  |  |
| Result Formulation |  |  |  |  |  |  |  |  |
| Final Write-up & Thesis Submission |  |  |  |  |  |  |  |  |

1. **Budget Description**

Write about budget required for the proposed research here. Do mention about that how the equipment/experimental setup required will be arranged. E.g., experimental setup is present in university or some other organization’s setup will be used or funding is required for the execution of proposed research.

1. **References**

Citation of References at proper location in literature review is required. Write the references in the same order as are cited in text. Use the ***following format*** for references.

***Example Journal Paper:***

1. Peter Hernon and Cheryl Metoyer-Duran, “Problem statements: An exploratory study of their function, significance, and form”, *Library & Information Science Research*, vol. 15, no. 1, pp. 71–92. Jan. 1993.
2. Didier Le Gall, “MPEG: A video compression standard for multimedia applications,” *Communications ACM*, vol. 34, no. 4, pp. 46–58, April 1991.

***Example Conference Paper:***

1. Gulistan Raja and M. J. Mirza, “Performance comparison of advanced video coding H.264 standard with baseline H.263 and H.263+ standards,” in *Proc. 4th IEEE International Symposium on Communications & Information Technologies, ISCIT 04*, Sapporo, Japan, 2004, pp. 743–746.

***Example Book:***

1. Iain E.G. Richardson, *Video Codec Design*, Great Britain, John Wiley & Sons, 2003, ISBN: xx-yyyy-zzzz.

***Example Web Link:***

1. MPEG Software Simulation Group, “The MSSG homepage”, available on-line at [http://www.mpeg.org/MPEG/ MSSG](http://www.mpeg.org/MPEG/%20%20MSSG), 2004.

***Example Standard:***

1. ITU-T “Video Coding for low bit rate communication,” ITU-T Recommendation H.263; version 1, Nov 1995; version 2, Jan. 1998; version 3, Nov. 2000.
2. **Curriculum Vitae**

Write down very briefly as per format given below:

|  |  |  |  |
| --- | --- | --- | --- |
| **1.** | **Name:** | **:** |  |
| **2.** | **Father’s Name:** | **:** |  |
| **3.** | **Reg. No.:** | **:** |  |
| **4.** | **Contact:** | **:** |  |
| **5.** | **Address:** | **:** |  |
| **6.** | **Phone:** | **:** |  |
| **7.** | **E-mail (s):** | **:** |  |
| **8.** | **Courses Passed** | **:** | (6) |

**Detail of Courses:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Subject** | **Exam Held in** | **Grade** | **GPA** |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |

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| --- | --- | --- | --- |
| **1.** | **Name of Employer** | **:** |  |
| **2.** | **Name of controlling officer** | **:** |  |

1. **Undertaking**

I certify that research work titled “*enter title of your research proposal here*” is my own work. The work has not, in whole or in part, been presented elsewhere for assessment. Where material has been used from other sources it has been properly acknowledged /referred.

Signature of Student

Name of Student

Registration Number

1. **Supervisor’s Comments**

Supervisor will give his pen picture on the proposed research work

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | | Yes/No |
| a. | Does the literature review describe key bottlenecks and rate limiting factors associated with the relevant value chain? | |  |
| b. | Are challenges and shortcomings in the existing solutions discussed? | |  |
| c. | Does the proposed approach suggest how key bottlenecks will be removed? | |  |
| d. | Does the proposed approach include high-level information like block diagrams/schematics etc. for proposed hardware/software solution? | |  |
| e. | Does the timeframe of the proposed project match the proposed project activities? | |  |
| f. | Key strength of the project: |  | |
| g. | Any other comments: |  | |

Signature of Supervisor

Name of Supervisor

Designation of Supervisor

1. **Collaborations (if any);**

Please provide here the details of collaborations (either from inside or outside the university) which you intend to make that may result in joint publication(s) with collaborators.

|  |  |  |
| --- | --- | --- |
| Sr. No. | Name and Designation | Affiliation |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |

**Name and Signature of Supervisor**

1. **Board of Post Graduate Studies Remarks**

Do not write anything here. This is for office use only.

|  |
| --- |
| BoPGS in its \_\_\_\_\_\_\_\_\_ meeting held on \_\_\_\_\_\_-\_\_\_\_\_\_\_-\_\_\_\_\_\_\_ |
| recommended □ rejected □  this proposal. |

**INSTRUCTIONS**

1. All headings and subheadings in Arial, font size 14, regular, non italic, Rest of the text in Arial, font size 12, regular, non italic. All text justified with line spacing: 1.5. Page Size: A4 with margins 1” on all sides.
2. Proposals will not entertained above instructions
3. Student will submit initial one copy before or on the due date. The proposal will be scrutinized and will be sent to the research supervisor. Then after student with the permission of supervisor will submit 6-copies with tape binding to the office of BoPGS on the meeting day.
4. Proposals according to give framework and formatting will be entertained.
5. Guide Lines for writing Aims & objectives are enclosed Annex-I