Check Sheet for PhD. Thesis Proposal and Topic Approval

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<tr>
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<td>Supervisor’s Comments</td>
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<td>15.</td>
<td>Remarks: Research Monitoring Committee</td>
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Certified that the Synopsis/Topic approval report is according to the items listed in Check Sheet

<table>
<thead>
<tr>
<th>Research Scholar</th>
<th>Research Supervisor</th>
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<td>Name:</td>
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<td>Date:</td>
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PhD. Thesis Proposal

Title of PhD Thesis

Submitted By

Name of Student
Student’s Registration Number

Supervisor: Name

DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING
FACULTY OF ENGINEERING
SIR SYED CASE INSTITUTE OF TECHNOLOGY
ISLAMABAD
January 2020.
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2. List down the Research Gaps in Major Research Area  
3. Write down the Research Gap Selected  
4. Problem Statement  
5. Aims & Objectives  
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7. Methodology of Research  
8. Utilization of Research Results  
9. Work Schedule Plan  
10. Budget Description  
11. References  
12. Curriculum Vitae  
13. Undertaking  
14. Supervisor’s Comments  
15. Remarks: Research Monitoring Committee
1. **Introduction of Major Research Area and a brief writeup on the area**

2. **List down the Research Gaps in Major Research Area**

3. **Write down the Research Gap Selected for PhD Research**

4. **Problem Statement**
   - Description of problem statement

5. **Aims & Objectives**
   - Write aims and objectives of PhD research thesis.

6. **Literature Review**
   - Bibliography Survey of the Selected Area with a view to classify the selected area with reference to aspects addressed.
   - Survey/ Review papers published in the selected area.
   - Literature Review of selected papers in general and cutting edge papers in particular with reference to the followings:
     - Identification of Challenges & bottle necks
     - Identification of potential avenues for research.
     - Finally the selection of Research Topic.

   **Sample of Literature Review**
   
   In 2010, Lahiri R.N, Sinha A [1] presented that brainstorming facts about privatization of distribution companies a one form of electricity reform. Although in every document supporting privatization claims a pre-requisite for poverty alleviation. All the world bank concessional funding has a pre-condition of such privatization before approving the loans.

7. **Methodology of Research**

   7.1 **Theoretical Studies**
   - Write about the theoretical studies required and problem formulation.

   7.2 **Experimental Set Up**
   - Describe about the experimental setup.
   - Laboratory facilities
   - Material required if any.

   7.3 **Method of Analysis**
   - Discuss the method of analysis to be used for the proposed research.
• Software Tools required if any.
• Computer System/Any other Hardware requirements.

7.4 **Result Expected**
Write down the expected Results from research.

8. **Utilization of Research Results**
Write about the utilization/application of the results.

9. **Work Schedule Plan**
Sample of work schedule is given below.

- Collection of literature 1-2 months
- Literature Review 3-4 months
- Proposal writing 2 weeks
- Formulation of model, experimentation and analysis 02 years.
- Final Write-up & Thesis Submission 06 months

9.1 **Proposed Time Schedule**
Sample is given below. Use Microsoft project or similar tool for time schedule.

<table>
<thead>
<tr>
<th>Activity</th>
<th>Time</th>
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<tbody>
<tr>
<td>Collection of Literature</td>
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<tr>
<td>Proposal writing</td>
<td></td>
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<td>Formulation of model, experimentation and analysis</td>
<td>02 years</td>
</tr>
<tr>
<td>Final Write-up &amp; Thesis Submission</td>
<td>06 months</td>
</tr>
</tbody>
</table>

10. **Budget Description**
Budget requirements for the proposed research.
11. References

Write down the references in order of publication year with latest reference at top and oldest at the bottom. Use the following format for references.

Example Journal Paper


Example Conference Paper


Example Book


Example Web Link


Example Standard

12. **Curriculum Vitae of student**

Write down very briefly as per format given below:

a) Name:
b) Father’s Name:
c) Regd. No:
d) Contact:
e) Address:
f) Phone:
g) E-mail (s):
h) Courses Passed:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Exam Held in</th>
<th>Grade</th>
<th>GPA</th>
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i) Name of Employer Organization:
j) Name & Contact of the Reporting Officer:

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Signature of Student
Name of Student
Registration Number

13. **Supervisor’s Comments**
Take recommendation of your supervisor for your proposed research work here.

Signature of Supervisor:____________

Name of Supervisor

Designation of Supervisor
14. Remarks: Research Monitoring Committee

Name & Signatures of RMC member