MS/PhD DISSERTATION SYNOPSIS MANUAL

(Revised,2020)

KARAKORAM INTERNATIONAL UNIVISERTY
GILGIT
2020

<div align="center">**REVISED FORMAT OF SYNOPSIS (MS/MPhil & PhD)**</div>

Given below is an outline for synopsis writing. It provides guidelines for MS/PHD students for presentation of research in form of synopsis as well as organization of material within each section. Contents in each section tell what needs to be included in each section and how sequence of this content can be consistent across different Departments as well as within a Department.

Each Researcher/ Graduate need to follow the following format:

Overall synopsis organization

✓ **Title Page: (see Annex 1)**

It should consist of :
   a) Department and University Name
   b) Degree Title
   c) Title of the study (Size 16, Bold, Capital Font, Times New Roman)
   d) Student)'s name with Registration NO (12 size; Bold, Times New Roman)
   e) Date of Admission
   f) Date of Initiation of Research
   g) Probable Duration of Study
   h) Supervisor's name, (Size 12, Bold, Times New Roman)
   i) Student`s Email & Contact No

✓ **Approval certificate (Annex 2)**

✓ **List of Contents**

✓ **Abstract** (150-200 words) (Size 12, Time New Roman. Single line)

1. **Introduction** (2-4 pages) ((Size 12, Time New Roman. Single line)

   • Give Background information e.g. prevalence, statistics etc

   • List down conceptual Definitions of the Constructs Under study

   • Provide brief overview of theories / Models linking the topic to the available body of knowledge

   • List down the theoretical framework you will base your research work on.

   Statement of the Problem
   • Identify the research gaps and justify the conduct of the study

- It serves as a guide in formulating the specific objectives of the study

Significance / Rational of the Study
- It refers to justification, importance, and vital contribution of the findings of the study / research and its likely benefits.
- Why is it worth doing?
- While the particular topic and its context will determine a study's significance and contribution of a study in terms of: adding to the existing knowledge in the area; policy considerations; implications for practitioners etc.

Objectives of the Study

List down main objectives of the Study (preferably 2-3)

Hypotheses / Research question

- States the researcher's expectations concerning the relationships between the variables or differences in groups or treatment conditions in research

2. Literature Review (3-4 pages) (Size 12, Time New Roman. Single line)
- It mainly consists of review of existing relevant and related research
- Subsections can be included based on the nature of your work.
- Presents relationships between different specific constructs the researcher wants to study i.e. specify the relationships between and among variables
- Correlates and predictors of outcome variable identified in research
- May consist of a combination of mathematical, graphical, and/or diagrammatical presentations
- Provide an overview of Indigenous Researches i.e. overview of relevant research done in Pakistan

-

3. Methodology (2-3 pages) (Size 12, Time New Roman. Single line)

a. Research Design

- Specify whether descriptive, causal/explanatory, correlational, comparative, exploratory, evaluative or combination of two or more designs
- Design: Strategy & Frame work
- What strategy is proposed, quantitative or qualitative?
- If both quantitative/qualitative (mixed method) approaches are targeted then what would be the mixture of the proposed strategies.

b. Sample/ Participants

- The sampling strategy, especially whether it is probability (its type), non probability (its type), or both and what claims will be made for the generalizability of findings.
- Inclusion / exclusion criteria of the sample
- How Sample will be recruited and approached
- What would be the Sample size and how the size will be determined

c. **Operational Definitions of the Variables** (optional)

- Define constructs of the study as they will be measured / assessed

d. **Data Collection Techniques / Assessment Measures**
- Whether you will use already developed Instruments Used (provide detail).
- Whether Instruments will be development, (give detail)
- Other ways of eliciting Data (qualitative e.g. focus group discussion, interviews, texts etc)
- Material and method for observations

e. **Procedure**

- How the data will be collected i.e. taking necessary approvals /permissions, logistic arrangements and assessment etc

f. **Ethical Considerations: consent/access/and participants' protection**

- List down issues like informed consent, anonymity, confidentiality of data, data storage, and the use of the results etc.
- Other can be study specific like intervention and advocacy etc. etc.

4. Proposed statistical Analyses

- Indicates the most appropriate analysis used for both quantitative (descriptive, inferential statistics) and qualitative data.
- Mathematical expressions must be italicized and numbered accordingly
- All models/equations must be properly numbered
- All major/key variables must be properly measured/categorized, indicating their specific units of measure.
- The sources of formulas must be indicated in the text.

5. Limitations & Delimitations (if Applicable)

- Limitations refer to limiting conditions or restrictive weaknesses

- Delimitations refer to defining the limits or drawing the boundaries around the study, and showing clearly what is and what is not included.

6. Time Frame of Dissertation

Must be provided for planning.

7. List of References

- Follow APA (See attached Guidelines for referencing of Articles, Books, Proceedings, books chapter, Blogs etc)
- Ensure to match list of references with those given in citations.

8. Appendices

- Participant Information Sheet, Letter for permission, Participant Consent form, Measuring instruments
- Interview guides, observational schedule, Assessment tools
- Example of pilot study or any other data/work already completed.

	## *Department of Computer Sciences* ## **Karakoram International University Gilgit**

Synopsis for MS Degree in Computer Science   (Size 12, Sentence Case, TNR)

Title: **TITLE IN CAPITAL LETTERS** (14 size, Capital, TNR, Left justified)

Name of the Student:	Insert Student Name Here (Size 12, Sentence Case, TNR)
Registration Number:	XX-KIU-XXX
Date of Admission:	28th September, 2019
Date of Initiation:	22nd December, 2019
Probable Duration:	One year
Email & Contact No:	abc@kiu.edu.pk ; +92 3331235678

<div align="center">

SUPERVISORY COMMITTEE

(14 size, Capital, TNR, center justified)

</div>

i)   Supervisor   _____

Supervisor Name Here

ii)   Member   _____

Member Name

iii)   Member   _____

Member Name

_____

Head of Department / Chairperson

	Department of Computer Sciences **Karakoram International University Gilgit**

Title: **TITLE IN CAPITAL LETTERS**

Name of the Student: Insert Student Name Here

Registration Number: XX-KIU-XXX

Date of Admission: 28th September, 2019

Date of Initiation: 22nd December, 2019

Probable Duration: One year

Email & Contact No: abc@kiu.edu.pk ; +92 3331235678

SCRUTINY COMMITTEE

i)   Convener   _____
                                                        Convener Name Here

ii) DEAN   _____
                                                        Relevant Dean Name

ii) Director QEC   _____
                                                        Member Name

ii) Director Advanced Studies   _____
                                                        Member Name

ABSTRACT

(Size 14, times new roman, page a4, top & bottom 1", left (binding side) 1.5" & 1' right side)

Abstract text here. Student can write abstract here (150-200 words) (Size 12, Time New Roman. Single line, center justified, one paragraph)

Sample text-Knowledge bases (KBs) contain rich information about the world's entities, their semantic classes, and their natural relationship. Knowledge bases (KBs) contain rich information about the world's entities, their semantic classes, and their natural relationship. Knowledge bases (KBs) contain rich information about the world's entities, their semantic classes, and their natural relationship.

Keywords: Keyword 1; Keyword 2; Keyword 3;

INTRODUCTION

(Size 14, times new roman, page a4, top & bottom 1", left (binding side) 1.5" & 1' right side)

Information knowledge extraction and retrieval bases (KBs) contain rich about the world's entities, their semantic Speer and Havasi (2012) classes, and their natural relationship. These are proven resources for information i.e. ConceptNet, Cyc, Freebase, DBpedia, and Yago etc. ConceptNet is freely available semantic network of concepts to understand the meanings of those concepts. Speer and Havasi (2012) claimed that ConceptNet.

Problem Statement

Problem statement, Objectives and Outcomes are subheadings of the introduction section.

Objectives

This research has following objectives.
1. Objective 1.
2. Objective 2.
3. Objective 3.

Significance / Rational of the Study

- It refers to justification, importance, and vital contribution of the findings of the study / research and its likely benefits.
- Why is it worth doing?
- While the particular topic and its context will determine a study's significance and contribution of a study in terms of: adding to the existing knowledge in the area; policy considerations; implications for practitioners etc.

Objectives of the Study

List down main objectives of the Study (preferably 2-3)

Hypotheses / Research question

- States the researcher's expectations concerning the relationships between the variables or differences in groups or treatment conditions in research

LITERATURE REVIEWED

(Heading Size 14, times new roman, Paragraph 12 size ,pages3-4, Margin: top & bottom 1", left (binding side) 1.5" & 1' right side)

Review of atleast 20 papers/articles. It must be in Story form (Link to link chain) Not in Chronological order.

MATERIALS AND METHODS

(Size 14 heading , times new roman, Size 12 for paragraph, Margin: top & bottom 1", left (binding side) 1.5" & 1' right side)

a. **Study Area** (area details if any)

b. **Research Design**

- Specify whether descriptive, causal/explanatory, correlational, comparative, exploratory, evaluative or combination of two or more designs
- Design: Strategy & Frame work
- What strategy is proposed, quantitative or qualitative?
- If both quantitative/qualitative (mixed method) approaches are targeted then what would be the mixture of the proposed strategies.

c. **Sample/ Participants**

- The sampling strategy, especially whether it is probability (its type), non probability (its type), or both and what claims will be made for the generalizability of findings.
- Inclusion / exclusion criteria of the sample
- How Sample will be recruited and approached
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d. **Operational Definitions of the Variables** (optional)

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- Whether you will use already developed Instruments Used (provide detail).
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- Material and method for observations

f. **Procedure**

- How the data will be collected i.e. taking necessary approvals /permissions, logistic arrangements and assessment etc

g. **Ethical Considerations: consent/access/and participants' protection**

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χ. All models/equations must be properly numbered
δ. All major/key variables must be properly measured/categorized, indicating their specific units of measure.
ε. The sources of formulas must be indicated in the text.

i. **Limitations & Delimitations (if Applicable)**

ι. Limitations refer to limiting conditions or restrictive weaknesses
υ. Delimitations refer to defining the limits or drawing the boundaries around the study, and showing clearly what is and what is not included.

j. **Time Frame of Dissertation**

Must be provided for planning. Preferably give Gant Chart here.

EXPECTED OUTCOMES

(Size 14, times new roman, in Bullet form: size 12,Margin: top & bottom 1", left (binding side) 1.5" & 1' right side)

Write the expected outcome over here and mentioned beneficiary of the study(if any)

REFERENCES

(Heading: Size 14, Text: Size 12; times new roman, , Margin: top & bottom 1", left (binding side) 1.5" & 1' right side)

- Follow APA (See attached Guidelines for referencing of Articles, Books, Proceedings, books chapter, Blogs etc)
- Ensure to match list of references with those given in citations.