

MNS -University of Agriculture, Multan (14 font size)

Department/ Institute Name (14 font size)

Synopsis for _____Degree name (12 font size)

TITLE: (Bold, Sentence case, 12 font size)

Name of student : _____

Reg. No. : _____

ABSTRACT (14 Font size)

Text (200-250 words)

A brief description including the followings;

- importance or need of current research work
- main objective of the study
- methodology and approaches
- future implementation of the current study

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Synopsis for _____ Degree name (12 font size)

I. TITLE: (Bold, Uppercase, 12 font size)

- a) Date of Admission : _____
- b) Date of initiation : _____
- c) Probable Duration : _____

II. PERSONNEL

- a) Student Name : _____
- b) Reg. No : _____
- c) Name of Supervisor : _____

III. SUPERVISORY COMMITTEE

- a) Name with title : Supervisor
- b) Name with title : Co-Supervisor (If any)
- c) Name with title : Member
- d) Name with title : Member
- e) Name with title : Special Member (If any)

IV. GENERAL INTRODUCTION (14 Font size)

General introduction should contain the brief background of the selected topic in a general way. It must identify the importance of the study, problems and their solutions, justification of the methodology proposed in the experiment(s). It should contain a review of the literature showing the work done previously in the area of the proposed research to plan further research effectively through identifying the research gaps. The information given in the review should be supported by references. It should give a theoretical base for the research and help you (the researcher) determine the nature of your research. (12 Font size)

a) Problem statement (12 Font size)

It is the description of an issue currently existing which needs to be addressed as per research gaps identified through literature review. It provides the context for the research study and generates the questions that the research aims to answer. (12 Font size)

b) Hypothesis (12 Font size)

c) Objectives (12 Font size)

Objectives inform the reader clearly what the researcher plans to do in his/her work. The objective should start with an action verb and be sufficiently specific, measurable, achievable, relevant and time-bound (SMART). (12 Font size)

V. EXPERIMENT-I: Title, bold, uppercase, 14 Font size

INTRODUCTION (Bold, Uppercase, 12 Font size)

It should contain background only related to experiment 1. It should not contain a review of the literature however; information presented should be supported by citing relevant reference(s) wherever necessary. (12 Font size)

MATERIAL AND METHODS OR METHODOLOGY (Bold, Uppercase, 12 Font size)

Name and place where the research works will be conducted. Mention all material and methods (procedures, protocols, equations, formulae etc.) along with the appropriate study design. This section should also indicate the appropriate experimental layout design with number of replications and detail of treatments, sample size for data recording, parameters, computational/software approaches to be studied and their units. In the case of social sciences, for qualitative study or case study, mention appropriate approaches to collect data from field surveys, markets, study framework and questionnaire/ relevant proforma. (12 Font size)

a) Ethical considerations/ approval (If applicable): (Bold, 12 Font size)

b) Statistical analysis: (Bold, 12 Font size)

Mention appropriate statistical method and approach for analyzing data to meet the objective(s) of the experiment. (12 Font size)

c) Work plan/ Schedule: (Bold, 12 Font size)

Provide timelines for implementation of different activities through Gantt chart. (12 Font size)

d) Risks analysis and mitigation actions: (Bold, 12 Font size)

Provide information on risk(s) that may be observed during the current study and possible actions to mitigate/cope up these risks. (12 Font size)

Risk	Severity*	Mitigation action

*Severity can be mentioned in form of low, medium/moderate and high

VI. POSSIBLE OUTCOMES (Bold, Uppercase, 12 Font size)

Possible outcomes of the experiment(s) may be given in the form of useful scientific information/ knowledge that will be generated or product developed (if any).

VII. REFERENCES (12 Font size)

Citation in text:

Please ensure that every reference cited in the text is also present in the reference list (and vice versa). Include the latest references by using an endnote or any other reference manager. In the text, references should be placed in round brackets (), and placed before the punctuation with italics *et al*; for example (Dinh *et al.*, 2006), (Deep *et al.*, 2013; Kaldhusdal *et al.*, 2016), (Ali and Khan, 2020), (Ali, 2019). In text try to avoid sentence start with scientist name if necessary than add as Ali and Khan (2020) studied..... In the reference list, the reference style should be according to **Pakistan Journal of Agricultural Sciences** in hanging style alphabetically arranged as given below.

For a journal article:

Ul-Rahman, A., M. A. B. Shabbir, M. W. Aziz, S. Yaqub, A. Mehmood, M. A. Raza, and M. Z. Shabbir. 2020. A comparative phylogenomic analysis of SARS-CoV-2 strains reported from non-human mammalian species and environmental samples. *Mol. Biol. Rep.* 47(11): 9207-9217.

For book:

Gillard, J. 2022. Review on the book Yaroslav D. Sergeyev, Renato De Leone (Eds.) Numerical infinities and infinitesimals in optimization: Volume 43 in the series Emergence, complexity and computation, Springer, Cham, Name of city and country where published. ISBN: 978-3-030-93641-9 or <https://doi.org/10.1007/978-3-030-93642-6>.

For book chapter:

Mettam, G. R., and L.B. Adams. 2009. How to prepare an electronic version of your article. In: Jones, B. S., and R.Z. Smith (Eds.), *Introduction to the Electronic Age*. pp. 281–304. E-Publishing Inc., New York, USA.

For proceedings:

Bouchard, C. E., R. J. Shephard, and T. E. Stephens. 1994. Physical activity, fitness, and health: international proceedings and consensus statement. In *International Consensus Symposium on Physical Activity, Fitness, and Health, 2nd, May, 1992, Toronto, ON, Canada*. Human Kinetics Publishers.

For dissertation/ thesis:

Trent, J. W. 1975. Experimental acute renal failure. Dissertation, University of California. PhD or MSc Thesis, Department and University Name. (Online link/ URL if any)

For software:

Coon, E., M. Berndt, A. Jan, D. Svyatsky, and S. Molins. 2020. Advanced Terrestrial Simulator (ATS) v0.88 (Version 0.88). Zenodo. <https://doi.org/10.5281/zenodo.3727209>.

For website:

Cancer Research UK. Cancer statistics reports for the UK, <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>; 2003 [accessed 13 March 2003].

IX. Signatures

Student: [Name and Registration Number] _____

Supervisory Committee

a) [Name] (Supervisor) _____

b) [Name] (Co-Supervisor if any) _____

c) [Name] (Member) _____

d) [Name] (Member) _____

e) [Name] (Special Member if any) _____

Forwarded:

Director/ Chairperson/HoD,
Department/ Institute of _____

Faculty Scrutiny Committee

[Name] _____

Reviewed and Witnessed: /

Dean/ Coordinator _____

Faculty of
MNS-University of Agriculture, Multan.

MNS-University of Agriculture, Multan

Department: _____ **Faculty:** _____

CHECKLIST FOR SUBMISSION OF FINAL SYNOPSIS

Degree Name

(To be completed, signed and attached with the copy of synopsis for submission to the Dean/DAS's office for approval. Please mark/tick each box)

Title: 12 font size- Time New Roman

1. **Abstract:** Clearly states and includes:
 - i. The objectives of study:
 - ii. Brief methodology:
 - iii. Statistical approach:
2. **Need for the Project/Justification:** Clearly states and includes:
 - i. The problem/process:
 - ii. Significance:
 - iii. Hypothesis, if required:
3. **Review of literature:** The references mentioned in the text are:
 - i. Relevant to the proposed study:
 - ii. Given in the reference list:
 - iii. Arranged chronologically or with some meaningful sequence:
 - iv. Uniform in style (e.g. for more than two authors, et al.(year) or et al. year)
4. **Material and Methods:** The proposed experiments clearly define:
 - i. Treatments details:
 - ii. Parameters details (observation to be recorded)
 - iii. Parameters units (% , cm, inches, kg, days etc):
 - iv. Experimental design (CRD, RCBD, and Factorial etc.)
5. **Statistical analysis:** Statistical analysis includes:
 - i. Data analysis techniques (ANOVA etc):
 - ii. Treatment comparison tests (LSD, DMR etc):
6. **References:** All the references mentioned in the list are:
 - i. Have the same names and years as in the text:
 - ii. Arranged alphabetically:
 - iii. The abbreviations for journals etc are according to standard acceptable.
 - iv. Reference style Pakistan Journal of Agricultural Sciences.
7. **Miscellaneous:**
 - i. The scientific /botanical names are italicized:
 - ii. The spell check and page numbering is done.

Signatures:

I have checked the synopsis according to the checklist.

Student: _____

Dated: _____

Verified by:

The student claims are correct.

Supervisor: _____

Dated: _____

Synopsis preparation guidelines:

- All margins should be 1 inch
- No page limit
- Line spaces should be 1.5
- Font style should be Time New Roman
- Double-sided print

Synopsis submission guidelines:

- If research work conducted outside MNSUAM then permission letter must be required from DGS (Application from student with signature of supervisor and director/chairman signature submitted to DGS for permission)
- Five copies (Hard copies)
- Plagiarism/ Similarity report notified by QEC
- Checklist- proper filled and signed
- Signature page
- If Co-supervisor and/ or special member is out of university then CV must attach
- Soft copy of synopsis via email to dgs@mnsuam.edu.pk