

Frontier Medical & Dental College Abbottabad

Research Advisory Committee (RAC)

Research Proposal Form

Undergraduate research proposal submitted to RAC

Approved by Mentor/Supervisor

Name: _____

Designation: _____

Dated: _____

Reviewed by ERC Member

Name: _____

Designation: _____

Dated: _____

Frontier Medical & Dental College Abbottabad
Research Advisory Committee (RAC)

Researchers

Name ----------
Class----------
Batch ----------

Signature: ----------

Name ----------
Class----------
Batch----------

Signature: ----------

Name ----------
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Name ----------
Class----------
Batch----------

Signature: ----------

Date of Submission:

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INTRODUCTION

- Background:

- Aim/ objectives of study ----------

- Significance of the problem----------

- Limitations:----------

LITERATURE REVIEW:

Give conclusions of at least 2 to 3 previous researches with refernces related to research proposal

MATERIAL AND METHODS:

Sample description

- Study Design _____
- Settings _____
- Duration _____
- Sample size _____
- Study subjects _____
- Sampling techniques _____
- Inclusion Criteria _____

  _____
- Exclusion Criteria _____

  _____
- Study tools _____
- Study variables : Independent: _____

  Dependent: _____
- Hypothesis:- Null hypothesis_____
- Alternate hypothesis _____
- Operational Definitions:

_____

_____

_____

_____

_____

DATA COLLECTION:

Instructions: Describe full methodology in the form of paragraph in this portion along sample description with the setting, duration, and sample size study subject, sample technique for selection of subject. Inclusion exclusion criteria, study tools and methods of procedures. Write this in future tense.

- **Statistical Analysis**

Choose appropriate tests for analysis from below after discussion With your supervisors

Statistical analysis will be conducted on SPSS 20 Software by using

Means± SD for descriptive continuous variables

Frequency and percentages for categorical variables (gender etc)

ANOVA for comparison of mean for more than two groups

T test for comparison mean for of 2 groups

Pearson's Correlation for association

Chi square for comparison of categorical data (percentages)

The level of significance will be taken as $p<0.05$

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Gantt Chart for Research Activities (**Instructions:** highlight the boxes according to your research activities time line. This is for 01 year if required you can extend this for next year)

Year	**Year 2025**											
Research Activity	**Time in Months**											
Months	J	F	M	A	M	J	J	A	S	O	N	D
Number of months	1	2	3	4	5	6	7	8	9	10	11	12
Making research proposal												
Ethical Approval												
Data collection												
Data Analysis												
Manuscript writing and submission												



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REFERENCES:

(Instructions: References should be in Vancouver style. At least 3 or 4 latest references of **within five** years. Use preferably local (**city where research will be conducted**), national (**Pakistani),** regional (Asian) and then international studies. (In text mark number of citations in superscript)

Example Vancouver style: Altaf B, Mohamed M, Jawed S, Ghazali WSW. The metabolic associated fatty liver disease responses of lifestyle changes using diet and exercise. Pak J Med Sci. 2023 Nov-Dec;39(6):1875-1882. doi: 10.12669/pjms.39.6.7990.)

ETHICAL CONSIDERATION: Ethical considerations are crucial in research to protect the rights and welfare of participants. It enhances the validity of research and maintain academic integrity.

Ethical Principles

- **Informed Consent**: Participants must be fully informed about the study's purpose, methods, risks, and benefits before agreeing to participate.
- **Voluntary Participation**: Participants should have the freedom to withdraw from the study at any time without any negative consequences.
- **Confidentiality**: Researchers must protect participants' personal data and ensure that identifying information is not disclosed.

APPENDICES

APENDIX A

Consent form

APENDIX B

QUESTIONAIRE (Template)