

**GUIDELINES FOR
RESEARCH/INNOVATION
PROJECT PROPOSAL**



MANMOHAN TECHNICAL UNIVERSITY

Innovation Centre

Research Coordination Committee

Budhiganga -04, Morang

Koshi Province, Nepal

Date :.....

Guidelines for Research Proposal

The Research Coordination Committee, MTU, considers it essential that research/innovation project proposals submitted for acceptance and financial grants confirm to a prescribed format. The main aim in requiring an acceptable format for writing a research/innovation project proposal is to have all the important features to appear in appropriately acceptable details. It may often be difficult to write down all kinds of research/innovation project proposals strictly within the descriptions and categories fixed by a prescribed format. To an extent, the format as developed below indicates the significant aspects which may not be missed out in any proposal. We hope that it will provide broad guidelines for drawing up a research/innovation project proposal. It does not, however, limit the size and content of any proposal if the researcher feels that other relevant details also need to be added on.

In general, the research/innovation project proposal should contain a full description of all the facets of the work. Following are the items that need to be essentially included in the writing of a research/innovation project proposal

1. Researcher's Personal Information

Researcher's Personal Information Such as Name, Designation, Office Name and Address, Mobile No., Email Id, Subject, Department, Faculty/Institution should be mentioned only in cover page including title of Research Proposal. The 2nd Page of Research Proposal must contain the Title of Research Proposal including Introduction, Objectives etc.

2. Title of the Study

The title should appropriately reflect the nature and scope of the proposed study.

3. Background of the study

A brief but clearly stated introduction or background of the study should be submitted. Background should reflect the scope of the proposed study.

4. Statement of the Problem

"A question well stated is a question half answered". The problem of the research question is, therefore, an interrogative statement in terms of the relation that exists between a set of variables. It should be stated clearly and unambiguously so as to

permit empirical testing. Above all, the problem should not be stated too generally or too narrowly. Most important, where the problem lies (the problem that guides the study) should be clearly stipulated in terms of the background and development within the scope of the proposed question (historical perspective is necessary).

5. Purpose of the Study/ Objective of the Study

The study problem should be identified by clearly stating its background, setting or environment, and the need for the study. Then, its importance should be clarified with reference to its practical application to policy decisions or to the illumination of concepts and theories of development. Within the felt needs of the study, the specific objectives for undertaking the project should be spelled out clearly. They should be identified in terms of the variables and parameters under study precisely and be formulated in the manner of questions. Where general objectives are felt desirable, specific sub-objectives must be framed within each general objective in a logical sequence.

6. Review of Literature

One undertakes this in order to find out what works have already been done in the areas of the research problem under study. It also helps minimize the risk of dead ends, choice of rejected methods etc, promotes greater understanding of the problem under study, provides comparative data to evaluate and interpret the significance of findings, and to enforce fruitful sources of hypothesis. This section is vitally necessary. All references consulted must be cited.

7. Conceptual / Operation Definition (if applicable)

This is necessary to strengthen the conceptual clarity which should ensure the validity and reliability of the concept.

8. Test Hypotheses (if applicable)

A hypothesis is a conjectural statement of relations (based on the statement of the problem and the objective of the study) between two or more variables in either negative or positive terms. It should be neither too general nor too specific. However, it should specify how the variables are related. The hypotheses thus could be formulated as null hypothesis, against alternatives.

9. Methodology/ Theoretical Framework / Conceptual Framework/ Limitations

It should correspond to the order in which each of the objectives listed are to be attacked in terms of essential hypothesis to be used: how and what data are to be generated and processed from? What methods of analysis should be used? What assumptions are being put to effect of the inquiry? The place or places in which the study will be conducted need to be indicated.

(a) Methods of Data Collection

Basic design of the experimental study should be explained. It has to state whether the data is to be collected from other sources or the primary collection. The uses of secondary sources, mail questionnaires, personal interview or field works which are relevant to the nature of the study are to be made where possible.

(b) Sampling Techniques

It is necessary to discuss on the estimated total size of population in the study and the method of sampling should be used in the proposal wherever applicable. It is necessary that adequately reliable sampling frames and the basic criteria of selecting them be adopted. The main thrust of the study often centers on the nature of the questionnaire, selection of respondents as well as the modalities of operation of the study.

(c) Data Analysis

Statistical procedures and tests are adopted to ensure relevance of the conclusions of the proposed study. As such, the methods to be adopted indicating the level of analysis, and testing need should be clearly indicated. Clearly specify the limit and constraints prevailing within each method. In the event where two or more methods are used, an explanation as to which method it to be preferred should be stated in terms of the assumptions.

10. Manpower Planning

A detailed workout of manpower need should be stated in terms of the job description, desired qualification of the personnel and their experience. Indication of the statement of functions, duties and responsibilities should be clearly indicated. Time for which manpower is needed should be worked-out in man days for different phases of the project. If it is a team project, the project leader should be mentioned.

11. Scheduling of Time

Different phases of the research project should be clearly stated in working weeks or months, preferably in a diagrammatic presentation (CPM, PERT, Gantt Chart or BARGRAM). Thus, it should be able to provide monitoring authorities with close estimates of the entire project time. It should mention the probable time schedule between inception and conclusion of the project in accordance with the Research Coordination Committee (MTU).

12. Chapter Plan : (indicative)

Chapter Plan should indicate the total number of chapters and pages, individual chapter titles, including sub heading and pages for each chapter. This helps both project planning and logistical support activities of the research coordination Committee.

13. Budgeting/Estimate of Expenses

A detailed and itemized budget showing how the funds are to be spent is essential. Presentation of budget for the proposed work may be made under the following main categories. Other headings of the category may, however be added if considered necessary for the sake of clarity. If any budgetary support is expected from other supplementary agencies, the amounts and conditions should be explicitly indicated.

It may be noted that all expenses met, out of the funds made available have to be budgeted strictly according to existing MTU financial rules and regulations. These include payments as salaries and allowances according to levels of expertise, travel allowances and purchase of equipment.

It is important to mention that the Research Center or any other authority which funds the research project reserves the right to increase, deduct or reject the amount of the

budget as shown on the proposal given the quality and relevance of the research proposal as well as the availability of research funds with it.

Fund grants, if available, are made through the concerned Campus Office from which the researcher draws the required amounts and submits the details of expenses. Fund grants are made available in phases, which presently stand at 20 percent, 50 percent and 30 percent. The initial 20 percent is made available at the start of the project and subsequent 80 percent each is released on completion of two different stages of the work.

It is, therefore, important to coordinate budgetary items according to definitive stages of proposed work. If the researcher strongly feels that budgetary requirements have to be particularly different, it would be helpful to present the case and give reasons for it. The maximum limitation of budget is NRs. Two Lacks Only (NRs.2,00,000.00)

(a) Stationery and Office Supplies

These include salaries to assistants inducted especially, for the project over the period of their employment, allowances to such other personal assisting on a regular or periodic basis and fees for consultancy services. For each category the period of employment on number of consultancies, the terms and levels of payment and related data have to be shown.

(b) Equipment Costs

It is intended that only those equipment and other items of durable nature, especially, those which are costly be purchased from the funds only if these are needed, especially, for the conduct of the study. All capital assets, thus acquired, will be the property of the concerned organization or campus and may be put to use extensively by them, if it is considered necessary. Expendable items may be listed under a heading shown separately depending on the total amount to be expended.

It is also to be noted that facilities and materials generally available in the concerned campus/organization may be put to use but, whenever materials are to be expended their costs will have to be included in the proposal cost.

(c) **Stationary and Office Suppliers**

Items such as paper, postage, typing charges and other sundry supplies are to be met under this budget heading.

(d) **Travelling expense**

Transportation costs and daily allowances while travelling are to be included under this budget heading. The number and mode of travel and places to be visited should be shown. Ordinarily, only travel costs for places within the country can be mentioned. If travel outside the country needs to be included full justification for these has to be given.

(e) **Contingency**

A contingency amount ranging from 5 to 10 percent of the total budget estimate is allowed so as to cover costs not foreseen.

14. Resume

A recent and brief resume in English is required from each and every researcher. It should not be more than two double spaced pages.

15. Arranging References and Footnotes

The list of the literatures reviewed and the source from which the items are quoted should serially be organized at the end of the proposal.

16. Appendix/Annex (if applicable)

All the data charts etc. that are being used for the preparation of the proposal will have to be included systematically with due emphasis on source citation.

17. Reporting

In course of the work the researcher is required to submit progress reports to the Research Coordination Committee, Manmohan Technical University. MTU also holds exclusive rights to the publication of the results of the research report regularly.

18. Deadline of Submission

The deadline of submission of proposal is:

Date: 2080/09/29

Time: 2:00 PM

Venue: Office of The Research Coordination Committee MTU, Budhiganga-04, Morang

The Deadline of submission of final research report is:

Date: 2081/02/29

Time: 2:00PM

Venue: Office of The Research Coordination Committee MTU,Budhiganga-04,Morang