**Research Proposal Outline**

(The research proposal submitted for consideration by The Chiang Mai University Research Ethic Committee must include the following sections:)

**1. Name and Student Code / Name of Researcher** (In cases with multiple researchers, specify the principal researcher and the co-researchers.)

**1.1 Name and Student ID / Researcher Name (in Thai)**

**1.2 Name and Student ID / Researcher Name (in English)**

**\*\*Note\*\***

**- Please provide complete details for all items.**

**- For the text highlighted in "yellow" please provide complete details (according to your research project) and adjust the text highlight color to "none."**

**- For the text highlighted in "green" please delete it.**

**- Please remove this text box and ensure the document is thoroughly reviewed before submission for consideration."**

**2. Title of the Research Project**

**2.1 Title (in Thai)**

**2.2 Title (in English)**

**3. Background and Significance of the Problem**

**4. Research Questions (if any)**

**5. Research Objectives**

**6. Research Hypotheses (if any)**

**7. Definitions of Specific Terms (if any)**

**8. Scope of the Research**

**9. Expected Benefits from this Research** (Both from the research project and the benefits that participants will receive directly or indirectly)

**9.1 Benefits of the Research Project**

(Specify the benefits that society/community, individuals or groups, organizations, or academic communities will gain from this research project)

**9.2 Benefits to Research Participants**

(Specify the benefits that participants will receive directly or indirectly, such as skill enhancement in… or knowledge applicable to… However, if participants do not receive direct benefits, state that they will not receive direct benefits, but the research results will benefit the community of the participants or will generate new knowledge related to…)

**10. Concepts, Theories, and Related Research**

**11. Research Framework (if any)**

**12. Research Methodology**

**12.1 Population and Sample / Key Informants**

- Process of selecting samples/key informants

- Determining the sample size/key informants

(Provide calculations or references to academic evidence) (Please specify all sample groups comprehensively)

**12.2 Method of Selecting Samples / Key Informants** (In cases with multiple sample groups, clearly specify the characteristics of each group.)

**12.2.1 Inclusion Criteria**

(Please specify the qualifications of individuals who will be selected to participate in the research project, such as criteria related to age, gender, and other factors.)

**12.2.2** **Exclusion Criteria**

(Please specify the exclusion criteria that are not the opposite of the inclusion criteria, as these individuals will not be selected from the outset. For example, if participants come from the same household and the researcher believes this may lead to overlapping information regarding household details, it may be determined that only one individual will be included, even if both were initially selected. Alternatively, conditions under which individuals who have been selected must later be excluded, such as if a participant cannot complete the required activities or interviews, resulting in incomplete data.)

**12.2.3** **Termination Criteria**

(Please specify the conditions under which participation in the research may be terminated for participants (not to be confused with the termination of the research project) such as if a participant wishes to withdraw from the project.)

**12.2.4** **Procedures if a Participant Withdraws from the Research**

(Please specify the procedures to follow if a participant withdraws from the research, including how the data of the withdrawn participant will be managed, such as allowing the freedom to withdraw and ensuring that the data of withdrawn participants will not be analyzed.)

**13. Research Instruments**

**14. Data Collection Methods**

(In cases with multiple sample groups and different data collection methods for each group, clearly specify the data collection methods for each group.)

**15. Data Analysis**

**16. Research Ethics Involving Human Subjects**

**16.1 Protection of Rights of Samples / Research Participants**

(Please specify measures in the research process that do not violate the rights of participants and precautions against negative outcomes.)

**16.2** **Process of Inviting Samples**

(Please specify the process of inviting samples to participate in the research, including how access will be obtained. If there are promotional materials inviting participants, such as posters, please attach them for consideration. Care should be taken to avoid power relationship issues, such as a supervisor assigning subordinates to complete questionnaires, which may compromise the informants’ freedom to choose whether to provide information.)

**16.3** **Process and Measures for Obtaining Consent / Voluntary Participation from Research Participants**

**16.3.1** **Process for Obtaining Consent from Participants**

(Please specify in accordance with the online submission form.)

**16.3.2 Measures to Obtain Voluntary Consent** **from Research Participants**

(Please detail the measures to obtain voluntary consent **from research participants,** considering ethical aspects, such as inviting participation genuinely without coercion, pressure, or inducement, and using respectful language that is understandable and appropriate for the participants.)

**16.4** **Potential Risks from the Research**

(Please specify, e.g., participants may feel uncomfortable with certain questions, or participants may lose time from work to participate in the research.)

**16.5 Risk Prevention Measures**

(Please specify in accordance with the risks identified in 16.4.)

**16.6** **Measures for Maintaining Confidentiality of Data**

(Please specify in accordance with the context of the research project, such as recording data on paper stored securely and limiting access to data, storing data on computers that require passwords for access, and ensuring the disposal of identifiable information.)

**16.6.1** **Methods for Protecting the Confidentiality of Participants’ Personal Data (if any)**

(Please specify in accordance with the context of your research project, such as using codes instead of names and personal information in data collection records.)

**16.6.2** **Methods for Protecting the Confidentiality of Participants’ Personal Data in Cases of Interviews or Surveys, Including Data Recording Methods (if any)**

(Please specify in accordance with the context of your research project.)

**16.6.3 People Who Have Access to Research Data**(Please specify.)

**17. Research Operational Plan**

(Please specify the date/month/year and indicate when data collection will begin, ensuring it falls within the period expected to receive ethical approval for research involving human subjects.)

**18. Duration of Data Retention and Data Destruction Methods**

**18.1** **Duration of Data Retention**

(Please specify the duration for which data will be retained after the completion of the research project.)

**18.2** **Methods for Data Destruction After the Retention Period**

(Please specify in accordance with the context of your research project.)

**19. References**

**(Please attach the CV and certificates of training in Research Ethics Involving Human Subjects for all researchers, including both the principal researcher and co-researchers.)**