CHAPTER 3
RESEARCH METHODOLOGY

There are the following steps to make this project:

1. **Learn the References**
   
   Learn and analyze from references and journal that related on this project. Find more references or research journals that related to AIML and implementation method on AIML itself, and find an AIML examples to learn the function and usefulness of the tags in it.

2. **Planning the Project**
   
   Create the planning for this project. This project will beginning with implementation of the AIML database to the PHP programming, make evaluation for this program, make a testing for this program, and presentation the final result of project.

3. **Implementation**
   
   Implementate the AIML database, data structure, and pattern-matching algorithm to the PHP-based program to make this project.

4. **Evaluation**
   
   Evaluate some errors that may result in making of this project, such as an error in the programming, error on user input, as well as errors of the algorithms of the program itself.

5. **Testing**
   
   Test the working of the program, including the flow of incoming data inputted by the user, the process of read and manipulate data by the logical algorithm in program, and the final output result from the program.

6. **Presentation**
   
   Presentate the final result of the program on 2nd review and the final project exam with examiners and supervisor of this project.
This project has been created for 3.5 months with details of the project schedule table below.

<table>
<thead>
<tr>
<th>Project Task</th>
<th>Week</th>
<th>April 2017</th>
<th>May 2017</th>
<th>June 2017</th>
<th>July 2017</th>
</tr>
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<td>1 2 3 4</td>
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