**“CIPHER”**

**INDUSTRY BASED PROJECT-2021/2022**

**UNIVERSITY OF MORATUWA**

**FACULTY OF INFORMATION TECHNOLOGY**

**ACTION PLAN FOR INDUSTRY BASED PROJECT**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tasks | 2021 | | 2022 | | | | | |
| Nov | Dec | Jan | Feb | Mar | Apr | May | June |
| Collecting Requirements |  |  |  |  |  |  |  |  |
| Proposal Submission |  |  |  |  |  |  |  |  |
| System Design |  |  |  |  |  |  |  |  |
| Fidelity Design |  |  |  |  |  |  |  |  |
| Front-End Development |  |  |  |  |  |  |  |  |
| Interim report submission |  |  |  |  |  |  |  |  |
| Back-End Development |  |  |  |  |  |  |  |  |
| API Integration |  |  |  |  |  |  |  |  |
| Code review |  |  |  |  |  |  |  |  |
| QA Testing &Bug Fixing |  |  |  |  |  |  |  |  |
| Deployment |  |  |  |  |  |  |  |  |
| Final Report Submission |  |  |  |  |  |  |  |  |
| Final Evaluation |  |  |  |  |  |  |  |  |

* Deadlines are not decided yet according to the academic calendars.

**Pre-requisites for project proposal**

**Introduction**

This must give a brief description about the problem area, the problem that you address, the importance of the problem, technology to solve the problem and the nature of the solution you propose.

**Background & Motivation**

This is one of the most important sections of a project proposal, and this section finally points out the problem that you address in the project. If the problem is not worth addressing, then there is no project! Here you should describe the background of the problem domain you selected. And write why the problem is so important to solve. Whenever possible, support the importance of the problem with some reference key persons/sources. Also explain why you are motivated, and your capability to address the problem. At the end of this section, you may have pointed out several issues, but arguably identify exactly one problem to solve.

**Problem in Brief**

You may rename the heading to reflect the problem that you address Since the previous section pointed out several problems, here briefly write the specific problem that you are going to address.

**Aim & Objectives**

* Aim:

A sentence like ‘The aim of this project is to develop a system for<*problem*> addressing with the use of <*using technology*>

* Objectives:

The following can be the most general objectives of any project, but you can define more specific objectives to suit with your project

• Study of the<problem domain>

• Study of technologies that can solve the problem

• Design and develop a system for solving the problem

• Evaluation of the proposed solution

• Preparation of final documentation

**Proposed Solution**

Here you may give a better heading to reflect your project. For example, heading can be ‘Using Expert Systems for Student counseling’, instead of the generic title Proposed Solution. This is also one of the major sections of the proposal. The acceptance of the proposal is largely determined by the quality of this section. In this section, you should describe the solution as detailed as possible. As such you should write about, technology adapted, nature of solution (input, output, process, users), feasibility of implementation of the solution, your capability to solve the problem, and availability of resources. If relevant, add a figure for this section.

**Resource Requirements**

This is only a list of resources such as Computer with 512MB RAM and 2GHz or more processing power, Linux OS, Internet connectivity, Oracle Database, etc. If you can find some resources , you should clearly indicate it in this section.