**Acropolis Institute of Technology and Research, Indore**

**Department of Computer Science and Engineering**

**Minor Project Synopsis- CS2 III year**

**Session July-Dec 2020**

**Project Proposal:** **Agro Assistant**

**Project Category:**

a) Web Application

*b) Mobile application (Android/iOS/Windows)*

*c) Desktop application*

*d) Big data/Data Science/Machine Learning/Deep Learning/AI based*

*e) Algorithm Designing based*

*f) Research based*

*g) Hardware and software fusion*

*h) Multidisciplinary Project*

*i) if any other, mention the category*

**Problem Statement:**

This idea works on the problem mainly faced by the farmers in the village area, the problem defines the non-availability of agriculture components near their area so if they travel to cities for buying products and the product is not available so there is wastage of time, money and fuel. This problem may lead to crop destruction and big loss to the farmers due to non- availability of products like compost, pesticides, fertilizers etc. Problem also arises when some farmers do not have enough knowledge of using certain products so this may also ruin the crops.

**Background**

Basic idea behind the **Agro Assistant** is to solve the queries of farmers regarding product availability on shops that is whether the product is available on particular shop or not, simply it assist the farmers regarding availability of products on a shop through website so that they have to travel to buy product only when the product is available on shop. Agro Assistant provides the details of products on a shop in an area. Also the farmer can contact us if any issue arises regarding use of products.

**Whether the Implementation and deployment of the project idea**

**a) Has Social benefits.**

*b) Has Environmental Benefits*

*c) Considers health, safety, legal and cultural issues*

**d) Considers sustainable development (economic development that is conducted without depletion of natural**

**resources)**

*e) Applies ethical principles while selecting project (not to steal other’s project idea, code and documents)*

*f)* *Commits to professional ethics and responsibilities and norms of the engineering practice.*

*g) Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools*

*h) Identify, formulate, review research literature, and analyze engineering problems reaching substantiated*

*conclusions.*

**Technological know-how required for proposed project idea:**

HTML,CSS,JAVASCRIPT,PHP,MYSQL

**Key Personnel and their expertise**

*[List the key personnel who will be responsible for completion of the project, as well as other personnel involved in the project.]*

|  |  |  |
| --- | --- | --- |
| **Particulars** | **Name and Designation** | **Expertise** |
| *Client and/or Sponsor* | *[if any]* |  |
| *Team Lead* | Monika Dhakad | Coding |
| *Team members*  *With their roles* | Monika Dhakad | Coding, Marketing |
| Mahak Lathi | Coding |
| Muskan Patidar | Documentation, Marketing |
| *Probable Guides’ names* | Divya Gupta |  |
| *Guide 2* |  |
| *Guide 3* |  |

**Proposed Timetable**

*[Provide detailed information on the expected timetable for the project. Break the project into phases, and provide a schedule for each phase.]*

|  |  |  |
| --- | --- | --- |
|  | **Description of Work** | **Expected no. of weeks to complete the phase** |
| **Phase One** | Planning and Requirement gathering | 1-2 |
| **Phase Two** | Development(Design and coding) | 4 |
| **Phase Three** | Testing and Implementation | 2-3 |

**Specifications to be considered with editing and submitting synopsis:**

**Page Format**

The Printed Sheets shall have the following written area and margins

Top Margin  2.54 cm

Bottom Margin 2.54 cm

Left Margin 2.54 cm

Right Margin 2.54 cm

**Type ­Setting, Text Processing**

The standard font shall be Times New Roman of 12 pts with 1.5 line spacing.

The Section and Sub­Section titles along with their numbers in 5 and 4mm (16 and 14pt) fonts, respectively, in bold face shall be flushed to the left (not centered) with 15 mm space above and below these lines.

**Paragraph Format**

Vertical space between paragraphs shall be about 2.5 line spacing.

Paragraphs must be justified.(Ctrl+J)