**A**

**PROJECT REPORT**

**ON**

**VIRTUAL FARMING ASSISTANT**

**SUBMITTED BY**

Mr. Hardik Kanjariya

Mr. Rahul Kanjariya

**ACADEMIC YEAR 2022-23**

**T.Y B.C.A. SEM - 5**

**UNDER THE GUIDANCE OF**

Mr. Shaunak Purohit

**SMT. C.Z.M GOSRANI B.C.A. COLLEGE**

**JAMNAGAR**

**SUBMITTED TO**



**SAURASHTRA UNIVERSITY**

**RAJKOT**

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# **ABSTRACT**

VFA is a farming technology platform where we work with farmers directly. We at VFA follow our mission of bridging the gap between technology and agriculture in India with a vision to reach out to maximum Indian farmers.

We support farmers to “Grow Efficient, Grow More” through the systematic implementation of scientific techniques by providing critical information at appropriate times and regular monitoring.

At VFA, we understand each farmer’s requirements, we believe every farmer deserves a chance - the chance for a successful future with technology.

# **ACKNOWLEDGEMENT**

We feel great pleasure in submitting this project report as a part of our B.C.A. Semester 5 curriculum. A practical study plays an important role.

For the successful completion of our project, we would especially like to thank our parents for their support and unconditional help. We would also like to thank our Project Guide Shaunak Purohit for their constant support and help in implementation of this project.

We are also thankful to our Principal Ma'am, Ms. Hetal G. Savla for all the facilities they provided throughout our semester and for encouraging us to take up this activity.

Lastly, we would also like to thank the faculties and staff members of Smt. C.Z.M. Gosrani B.C.A. College, Jamnagar.

# **PROJECT PROFILE**

|  |  |  |
| --- | --- | --- |
| STUDENT INFORMATION | | |
| Name  Mr. Hardik Kanjariya  Mr. Rahul Kanjariya | **Enrollment Numbers**  00320320842  00320320843 | |
| PROJECT DETAILS | | |
| Project Title | Virtual Farming Assistant | |
| Duration | 2 Months | |
| Name of Project | VFA | |
| Platform | PHP  MySQL | |
| Team Size | 2 | |
| GUIDE INFORMATION | | |
| Name of Guide | | Shaunak Purohit |

# **INDEX**

|  |  |  |
| --- | --- | --- |
| Chapter | Title | Page No. |
| 1 | **Overview of the accepted SDLC Model** | 1 |
| 2 | **Requirement Gathering and Analysis** |  |
|  | 2.1 Organization Details |  |
| 2.2 Meetings |  |
| 2.3 Type of Project |  |
| 2.4 Method of collecting requirements |  |
| 3 | **System Requirement Specification** |  |
|  | 3.1 Introduction |  |
| 3.1.1 Purpose |  |
| 3.1.2 Scope |  |
| 3.1.3 Operating Environment |  |
| 3.1.4 User classes |  |
| 3.2 System Modules |  |
| 3.x External Interface Requirements |  |
| 3.3.1 Hardware Interface Requirements |  |
| 3.3.2 Software Interface Requirements |  |
| 3.3.3 User Interface Requirements |  |
| 3.3.4 Communication Requirements |  |
| 3.x Non-functional Requirements |  |
| 3.4.x Performance Requirements |  |
| 3.4.x Security Requirements |  |
| 3.x Feasibility Study |  |
| 4 | **System Analysis and Modelling** |  |
|  | 4.1 Normalization |  |
| 4.2 Data Dictionary |  |
| 4.3 Data Flow Diagram |  |
| 4.4 E-R Diagram |  |
| 4.5 Use-case Diagram |  |
| 4.5 Gantt Chart |  |
| 5 | **Test Cases** |  |
| 6 | **Screenshots** |  |
| 7 | **Limitations and Future Enhancements** |  |
| 8 | **Conclusion** |  |
| 9 | **References and Bibliography** |  |

**CHAPTER 1**

**OVERVIEW OF THE ACCCEPTED SDLC MODEL**

BIG BANG MODEL

Software Product

# Release

**BIG-BANG Model**

* Developing a project for learning purposes or experiment purposes.
* No clarity on the requirements from the user side.
* When newer requirements need to be implemented immediately.
* Changing requirements based on the current developing product outcome.
* No strict guideline on product release or delivery date.

**CHAPTER 2**

**REQUIREMENT GATHERING AND ANALYSIS**

1. **Organization details**
   * **Name of organization:**
   * **Brief details of the organization:**
2. **Meetings**
   * **Meeting with a <user>:**
     + **Name of the <user>:**
     + **Requirements of the <user> in their own words:**
3. **Type of project**
4. **Method of collecting requirements**

**CHAPTER 3**

**SYSTEM REQUIREMENT SPECIFICATION**

* 1. **Introduction**
* <Introduction>
  + 1. **Purpose**
    2. **Scope**
    3. **Operating Environment**
       - <Hardware and/or software requirements>
    4. **User Classes**
       - **<Class>**
         * <Points>
       - **<Class>**
         * <Points>
  1. **System Modules**
     + **<Module>**
       - <Points>
     + **<Module>**
       - <Points>
  2. **External Interface Requirements**
     1. **Hardware Interface Requirements**
        + <Points>
     2. **Software Interface Requirements**
        + <Points>
     3. **User Interface Requirements**
        + <Points>
     4. **Communication Requirements**
        + <Points>
  3. **Non-functional Requirements**
     1. **Performance Requirements**
* <Points>
  + 1. **Security Requirements**
       - <Points>