**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**“Jnana Sangama”, Belagavi-590018**



**A Mini Project Report On**

**“E-commerce Management System”**

**Submitted in partial fulfillment for 5th SEMESTER**

**DATABASE MANAGEMENT SYSTEM LAB**

**(17CSL58)**

**submitted by**

**Leela Sowmya Jandhyala (1JB16CS078)**

**Under the Guidance of**

**Mr. Deepak B L Mr. Lochan Gowda M**

**Asst. Professor, Asst. Professor,**

**Dept. of CSE, SJBIT. Dept. of CSE, SJBIT.**



**department of computer science and engineering**

**SJB INSTITUTE OF TECHNOLOGY**

BGS HEALTH AND EDUCATION CITY,

KENGERI, BENGALURU-560060.

# **|| Jai Sri Gurudev ||**

# **Sri AdichunchanagiriShikshana Trust ®**

**2018 - 2019**

**SJB INSTITUTE OF TECHNOLOGY**

## BGS Health & Education City, Kengeri, Bengaluru – 560060.

**Department of Computer Science & Engineering**



**CERTIFICATE**

Certified that the mini project work entitled “**Farmer Database Management System**” carried out by Ms. **Leela Sowmya Jandhyala** [**1JB16CS078**] is bonafide student of **SJB Institute of Technology** in partial fulfillment of 5th semester “**DBMS LAB (15CSL58)”** in “**COMPUTER SCIENCE AND ENGINEERING**” as prescribed by **Visvesvaraya Technological University**, **Belagavi** during the academic year **2018-19.** It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirements in respect of mini project prescribed by the institution.

**Mr. Deepak BL**

**Asst. Professor,**

**Dept. of CSE, SJBIT**

**Dr. Krishna AN**

**Professor and Head,**

**Dept. of CSE, SJBIT**

**Mr. Lochan Gowda. M**

**Asst. Professor,**

**Dept. of CSE, SJBIT**

**Name of Examiners Signature with date**





**ACKNOWLEDGEMENT**

I would like to express my profound thanks to His Divine Soul **Jagadguru Padmabhushan Sri Sri Sri Dr. Balagangadharanatha Maha Swamiji** and His Holiness **Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Maha Swamiji** for providing me an opportunity to pursue my academics in this esteemed institution.

I would also like to express my profound thanks to **Revered Dr. Sri Sri Sri Dr.Prakashnath Swamiji** , Managing Director, SJB Institute of Technology, for his continuous support in providing amenities to carry out this mini project in this admired institution.

I express my gratitude to **Dr. Puttaraju**, Principal, SJB Institute of Technology, for providing an excellent facilities and academic ambience, which have helped me in the satisfactory completion of mini project work.

I extend my sincere thanks to **Dr. Krishna AN**, Head of the Department, Computer Science and Engineering, for providing an invaluable support throughout the period of mini project work.

I wish to express heartfelt gratitude to my guides**, Mr.Deepak BL,** Assistant Professorand **Mr. Lochan Gowda. M,** Assistant Professor**,**Computer Science Department,SJB Institute of Technologyfor their valuable guidance, suggestions and cheerful encouragement during the entire period of this work.

Finally, I take this opportunity to extend my earnest gratitude and respect to my parents, Teaching & Non-teaching staffs of the department, the library staff and all my friends, who have directly or indirectly supported me during the period of this mini project work.

Regards,

**Leela Sowmya Jandhyala (1JB16CS078)**

# 

**ABSTRACT**

“Agriculture is the backbone of the Indian Economy” - said Mahatma Gandhi six decades ago. It contributes 16% of the overall GDP and accounts for employment of approximately 52% of the Indian population

The aim of the website is to make available relevant information and services to the farming community and private sector through the use of information and communication technologies. The website is an endeavor in this direction to create one stop shop for meeting all informational needs relating to agriculture of an Indian farmer. With this an Indian Farmer will not be required to sift through maze of websites created for specific purposes.

Once in the website, a farmer will be able to get all relevant information about agriculture. Farmers can create an account by giving the necessary details and can access information about the various seeds, fertilizers and farming tools. The farmers can buy the tools, seeds and the required fertilizers with the click of a button.

**TABLE OF CONTENTS**

**Certificate………………………………………………………………......II**

**Acknowledgement…………………………………………………………III**

**Abstract……………………………………………………………………..IV**

**Table of Contents……………………………………………………….…V**

**List of Figures……………………………………………………………...VII**

**List of Tables………………………………………………………………VIII**

**Chapter 1**

**Introduction………………………………………………………...1**

**1.1 Problem Statement…………………………………………..…1**

**1.2 Objectives…………………………………………………….....1**

**1.3 Scope………………………………………………………….....1**

**Chapter 2**

**Literature Survey…………………………………………………..2**

**2.1 Traditional File Systems…………………………………...…...2**

**2.2 Pros and Cons of the Traditional Approach…………………..2**

**2.3 Downfall of Traditional Management Systems……………….3**

**2.4 Introduction to Database management System……………….4**

**2.5 Indicative areas for the use of a DBMS………………………..4**

**2.6 Advantages of DBMS…………………………………………...4**

**Chapter 3**

**System Requirements……………………………………..…….…..5**

**3.1 Hardware Requirements…………………………….………….5**

**3.2 Software Requirements…………………………………………5**

**Chapter 4**

**Design…………………………………………………………….…..6**

**4.1 Requirements and Constraints…….…………………………...6**

**4.2 Entities and Attributes…………………………………………..7**

**4.3 ER Diagram………….………………………………………….11**

**4.4 Relational Schema……………………...…………….………....12**

**4.5 Normalization……………………………..………….……..….13**

**Chapter 5**

**Implementation……………………………………………………...14**

**5.1 Technologies/Frameworks used in building the project….…...14**

**5.2Code Snippets…………………………………………...……......15**

**Chapter 6**

**Testing and Result…..………………………………………….….…21**

**Conclusion…..…………………………………………………….….….…27**

**References……….…..……………………………………………….….…28**

**List of Figures**

**Fig no. Description Page No.**

Fig 4.1 ER Diagram…………………………….….……..7

Fig 4.2 Schema Diagram………………………..….…….8

Fig 4.3 Normalized Tables…………………………....….8

Fig 6.1 Login Page…………………………………....….22

Fig 6.2 Signup Page……………………………..…....….22

Fig 6.3 Home Page………………………………….........23

Fig 6.4 Get Info Page……………………………..…..….23

Fig 6.5 Crop Details Page…………………….……...…..24

Fig 6.6 Buy Page………………………………...…....….24

Fig 6.7 Admin Login Page …………………...……....….25

Fig 6.8 Admin Home Page…………………….……...….25

Fig 6.9 Admin Product Page……………………….….….26

Fig 6.10 Forms Used By Admin………..……………....….26

**List of Tables**

**Table no. Description Page No.**

Table 4.1 Table-names and their description….…………….…..7

Table 4.2 Users table …………….…………....…………….…..8

Table 4.3 Crop table ….……………………………….…….…..8

Table 4.4 Fertilizer table ….……………………...……………...8

Table 4.5 Product table ….……………………….………….…..9

Table 4.6 Dealers table ….……………………….………….…..9

Table 4.7 Warehouse table….……………………………….…..9

Table 4.8 Logs table….…………………………….……….…..10

Table 4.9 Admin table….……………………………..…….…..10