**A PROJECT REPORT ON**

**A WEB APPLICATION FOR TRANSPARENT FARMER-GOVERNMENT COLLABORATION FOR FAIR PRICE PROVISION**

**TO FARMERS**

*In partial fulfillment for the award of the degree of*

**MASTER OF COMPUTER APPLICATIONS**

Submitted By

**KONDUBOINA PAVAN KALYAN**

**22751F0027**

Under the Esteemed Guidance of

**Mrs. Dr. M. KALPANA DEVI**

Professor



**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES**

(AUTONOMOUS)

(Approved by AICTE, New Delhi, Affiliated to JNTUA, Anantapuramu)

**Murukambattu, Chittoor – 517127**

**AUGUST 2023**

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES**

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**Murukambattu Post, Chittoor-517127.**

**MASTER OF COMPUTER APPLICATIONS DEPARTMENT**

***BONAFIDE CERTIFICATE***

This is to certify that the project work entitled “**A WEB APPLICATION FOR TRANSPARENT FARMER-GOVERNMENT COLLABORATION FOR FAIR PRICE PROVISION TO FARMERS**” is carried out by **KONDUBOINA PAVAN KALYAN (Reg. No. 22751F0027)** under my supervision and guidance during the academic year 2023-24 and the best of our knowledge is original work.

**Mrs. Dr. M. KALPANA DEVI Dr. M. KALPANA DEVI**

Supervisor HOD

**Submitted for viva-voce examination held on\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Internal Examiner External Examiner**

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES.**

**(AUTONOMOUS) MCA DEPARTMENT**

**INSTITUTE VISION**

To emerge as a Centre of Excellence for Learning and Research in the domains of engineering, computing and management.

**INSTITUTE MISSION**

* Provide congenial academic ambience with state-art of resources for learning and research.
* Ignite the students to acquire self-reliance in the latest technologies.
* Unleash and encourage the innate potential and creativity of students.
* Inculcate confidence to face and experience new challenges.
* Foster enterprising spirit among students.
* Work collaboratively with technical Institutes / Universities / Industries of National and International repute

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES.**

**(AUTONOMOUS)**

**MCA DEPARTMENT**

**DEPARTMENT VISION**

To become the Centre of excellence for skilled software professionals in Computer Applications.

**DEPARTMENT MISSION**

* Provide congenial academic ambiance with necessary infrastructure and learning resources.
* Inculcate confidence to face and experience new challenge from industry and society
* Ignite the students to acquire self-reliance in the State-of-the Art Technologies.
* Foster Enterprise spirit among students

**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES.**

**(AUTONOMOUS) MCA DEPARTMENT**

**PROGRAMME EDUCATIONAL OBJECTIVES(PEOs)**

Graduates of Computer Applications shall

**PEO1**: Have Professional competency through the application of knowledge gained from fundamental and advanced concepts of structural and functional components in software. **(Professional Competency)**

**PEO2**: Excel in one’s career by critical thinking toward successful services and growth of the organization or as an entrepreneur or through higher studies. **(Successful Career Goals)**

**PEO3**: Enhance Knowledge by updating advanced technological concepts for facing the rapidly changing world and contribute to society through innovation and creativity. **(Continuing Education to Society)**

**PROGRAMME OUTCOMES (PO’s)**

Computer Applications Graduates will be able to

**PO1.Computational Knowledge**: Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.

**PO2.Problem Analysis**: Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

**PO3. Design /Development of Solutions**: Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

**PO4. Conduct Investigations of Complex Computing Problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO5. Modern Tool Usage**: Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

**PO6. Societal and Environmental Concern**: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

**PO7. Innovation and Entrepreneurship** Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large

**PO8. Professional Ethics**: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.

**PO9. Individual and Team Work**: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

**PO10. Communication Efficacy**: Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

**PO11. Project management and finance**: Demonstrate knowledge and understanding of the computing and management principles and apply these to one’s own work, as a member and leader in a team, to manage projects and in multidisciplinary environments

**PO12. Life-long Learning**: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

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**Course Out Comes for Project Work**

On completion of project work the student will be able to

CO1. Demonstrate in-depth knowledge on the project topic. (PO1)

CO2. Identify, analyze and formulate complex problem chosen for project work to attain substantiated conclusions. (PO2)

CO3. Design solutions to the chosen project problem. (PO3)

CO4. Undertake investigation of project problem to provide valid conclusions. (PO4)

CO5. Use the appropriate techniques, resources and modern engineering tools necessary for project Work. (PO5)

CO6. Apply project results for sustainable development of the society and environmental

sustainability. (PO6)

CO7. Understand the impact of Innovative ideas that can be incorporated while adding new features to the project and gained entrepreneur skills. (PO7)

CO8. Understand professional and ethical responsibilities while executing the project

work. (PO8)

CO9. Function effectively as individual and a member in the project team. (PO9)

CO10. Develop communication skills, both oral and written for preparing and presenting project report. (PO10)

CO11. Demonstrate knowledge and understanding of cost and time analysis required for carrying Out the project. (PO11)

CO12. Engage in lifelong learning to improve knowledge and competence in the chosen area of the Project. (PO12)

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# CO – PO MAPPING

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| COs/  POs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
| CO1 |  |  |  |  |  |  |  |  |  |  |  |  |
| CO2 |  |  |  |  |  |  |  |  |  |  |  |  |
| C03 |  |  |  |  |  |  |  |  |  |  |  |  |
| C04 |  |  |  |  |  |  |  |  |  |  |  |  |
| C05 |  |  |  |  |  |  |  |  |  |  |  |  |
| C06 |  |  |  |  |  |  |  |  |  |  |  |  |
| C07 |  |  |  |  |  |  |  |  |  |  |  |  |
| C08 |  |  |  |  |  |  |  |  |  |  |  |  |
| C09 |  |  |  |  |  |  |  |  |  |  |  |  |
| C010 |  |  |  |  |  |  |  |  |  |  |  |  |
| C011 |  |  |  |  |  |  |  |  |  |  |  |  |
| C012 |  |  |  |  |  |  |  |  |  |  |  |  |

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# Evaluation Rubrics for Project Work

| **Rubric (CO)** | **Excellent (Wt = 3)** | **Good (Wt = 2)** | **Fair (Wt = 1)** |
| --- | --- | --- | --- |
| **Review-1** | | | |
| ***Selection of Topic (CO1)*** | Selected a latest topic through complete knowledge of facts and concepts | Selected a topic through partial knowledge of facts and concepts | Selected a topic through improper knowledge of facts and concepts |
| ***Analysis and Synthesis (CO2)*** | Thorough comprehension through analysis/ synthesis | Reasonable comprehension through analysis/ synthesis | Improper comprehension through analysis/ synthesis |
| ***Literature Survey (CO4)*** | Extensive literature survey with standard references | Considerable literature survey with standard references | Incomplete literature survey with substandard references |
| ***Ethical Attitude (CO8)*** | Clearly understands ethical and social practices. | Moderate understanding of ethical and social practices. | Insufficient understanding of ethical and social practices. |
| ***Independent Learning (CO9)*** | Did literature survey and selected topic with little guidance | Did literature survey and selected topic with considerable guidance | Selected a topic as suggested by the supervisor |
| ***Oral Presentation (CO10)*** | Presentation in logical sequence with key points, clear conclusion and excellent language | Presentation with key points, conclusion and good language | Presentation with insufficient key points and improper conclusion |
| ***Report Writing (CO10)*** | Status report with clear and logical sequence of chapters using excellent language | Status report with logical sequence of chapters using understandable language | Status report not properly organized |
| ***Continuous Learning (CO12)*** | Highly enthusiastic towards continuous learning | Interested in continuous learning | Inadequate interest in continuous learning |
| **Review-2** | | | |
| ***Analysis and Synthesis (CO2)*** | Thorough comprehension through analysis/ synthesis | Reasonable comprehension through analysis/ synthesis | Improper comprehension through analysis/ synthesis |
| ***Problem Solving (CO3)*** | Thorough comprehension about what is proposed in the literature papers | Reasonable comprehension about what is proposed in the literature papers | Improper comprehension about what is proposed in the literature |
| ***Literature Survey (CO4)*** | Extensive literature survey with standard references | Considerable literature survey with standard references | Incomplete literature survey with substandard references |
| ***Usage of Techniques & Tools (CO5)*** | Clearly identified and has complete knowledge of techniques & tools used in the project work | Identified and has sufficient knowledge of techniques & tools used in the project work | Identified and has inadequate knowledge of techniques & tools used in the project work |
| ***Project work impact on Society & Environment (CO6)*** | Conclusion of project work has strong impact on society & Environment | Conclusion of project work has considerable impact on society & Environment | Conclusion of project work has feeble impact on society & Environment |
| ***Usage of Innovative Ideas and Entrepreneur skills (CO7)*** | Clearly Identified the area in which Innovative ideas & Entrepreneur skills are used in the project work | Identified the area in which adequate Innovative ideas & Entrepreneur skills are used in the project work | Identified the area in which inadequate Innovative ideas & Entrepreneur skills are used in the project work |
| ***Ethical attitude (CO8)*** | Clearly understands ethical and social practices. | Moderate understanding of ethical and social practices. | Insufficient understanding of ethical and social practices. |
| ***Independent Learning (CO9)*** | Did literature survey and selected topic with little guidance | Did literature survey and selected topic with considerable guidance | Selected a topic as suggested by the supervisor |
| ***Oral Presentation (CO10)*** | Presentation in logical sequence with key points, clear conclusion and excellent language | Presentation with key points, conclusion and good language | Presentation with insufficient key points and improper conclusion |
| ***Report Writing (CO10)*** | Status report with clear and logical sequence of chapters using excellent language | Status report with logical sequence of chapters using understandable language | Status report not properly organized |
| ***Time and Cost Analysis (CO11)*** | Comprehensive time and cost analysis | Moderate time and cost analysis | Reasonable time and cost analysis |
| ***Continuous learning (CO12)*** | Highly enthusiastic towards continuous learning | Interested in continuous learning | Inadequate interest in continuous learning |
| **External Examination** | | | |
| ***Selection of Topic (CO1)*** | Selected a latest topic through complete knowledge of facts and concepts | Selected a topic through partial knowledge of facts and concepts | Selected a topic through improper knowledge of facts and concepts |
| ***Analysis and Synthesis (CO2)*** | Thorough comprehension through analysis/ synthesis | Reasonable comprehension through analysis/ synthesis | Improper comprehension through analysis/ synthesis |
| ***Problem Solving (CO3)*** | Thorough comprehension about what is proposed in the literature papers | Reasonable comprehension about what is proposed in the literature papers | Improper comprehension about what is proposed in the literature |
| ***Literature Survey (CO4)*** | Extensive literature survey with standard references | Considerable literature survey with standard references | Incomplete literature survey with substandard references |
| ***Usage of Techniques & Tools (CO5)*** | Clearly identified and has complete knowledge of techniques & tools used in the project work | Identified and has sufficient knowledge of techniques & tools used in the project work | Identified and has inadequate knowledge of techniques & tools used in project work |
| ***Project work impact on Society (CO6)*** | Conclusion of project work has strong impact on society | Conclusion of project work has considerable impact on society | Conclusion of project work has feeble impact on society |
| ***Usage of Innovative Ideas and Entrepreneur skills (CO7)*** | Clearly Identified the area in which Innovative ideas & Entrepreneur skills are used in the project work | Identified the area in which adequate Innovative ideas & Entrepreneur skills are used in the project work | Identified the area in which inadequate Innovative ideas & Entrepreneur skills are used in the project work |
| ***Ethical attitude (CO8)*** | Clearly understands ethical and social practices. | Moderate understanding of ethical and social practices. | Insufficient understanding of ethical and social practices. |
| ***Independent Learning (CO9)*** | Did literature survey and selected topic with little guidance | Did literature survey and selected topic with considerable guidance | Selected a topic as suggested by the supervisor |
| ***Oral Presentation (CO10)*** | Presentation in logical sequence with key points, clear conclusion and excellent language | Presentation with key points, conclusion and good language | Presentation with insufficient key points and improper conclusion |
| ***Report Writing (CO10)*** | Status report with clear and logical sequence of chapters using excellent language | Status report with logical sequence of chapters using understandable language | Status report not properly organized |
| ***Time and Cost Analysis (CO11)*** | Comprehensive time and cost analysis | Moderate time and cost analysis | Reasonable time and cost analysis |
| ***Continuous learning (CO12)*** | Highly enthusiastic towards continuous learning | Interested in continuous learning | Inadequate interest in continuous learning |

## DECLARATION

I affirm that the project work entitled **“A WEB APPLICATION FOR TRANSPARENT FARMER-GOVERNMENT COLLABORATION FOR FAIR PRICE PROVISION TO FARMERS”** being submitted in partial fulfilment for the award of the degree of **MASTER OF COMPUTER APPLICATIONS** is the original work carried out by me. It has not formed the part of any other project work submitted for award of any other degree, either in this or any other University**.**

**KONDUBOINA PAVAN KALYAN**

**22751F0027**

**I certify that the declaration made above by the candidate is true.**

**Mrs. Dr. M. KALPANA DEVI**

**Professor**

**ACKNOWLEDGMENT**

I would like to express my deep sense of gratitude to all those who helped and encouraged with cooperation extended implicitly and explicitly to me for successful completion of my project.

I express my profound gratitude to **Sri K. RANGANATHAM,** Chairman,

**Dr. M. SARAVANAN,** M.E, Ph.D. Principal, SITAMS, **Prof. Dr. M. Kalpana Devi** HOD**,**

MCA Department for their undaunted efforts and constant encouragement for studentsuccess. I sincerely thank **Mrs. Dr. M. KALPANA DEVI** Professor and Project Coordinator and **Mrs. Dr. M. KALPANA DEVI** Professor and Project Supervisor, MCA Department, who has provided lot of help in completing my Project work.

I also thankful to the staff of MCA Department for their valuable suggestions during the project work. Finally, I would like to thank my parents who rendered their valuable service and support as and when needed, without their support I would not made this project successful.

Last but not the least, I render my heartful thanks to my beloved friends and all my well-wishers who have constantly carving and molding me to concentrate sincerely in all endeavors.

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