



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI

SANT GAJANAN MAHARAJ RURAL POLYTECHNIC, MAHAGAON

CAPSTONE PROJECT PLANNING REPORT

Academic year: 2023-24

TITLE OF THE PROJECT

Discover Ease Plus

Program: Computer Engineering

Program code: CO5I

Course: Capstone Project Planning

Course code: 22050

C E R T I F I C A T E

This is to certify that Bhushan Siddhappa Karguppi of, Sant Gajanan Maharaj Rural Polytechnic, Mahagaon. Enrollment No 2109650147 has completed *Synopsis on the Capstone Porject Planning / Semester V Project Report* having title **Discover Ease Plus** in a group consisting of 4 students under the guidance of the

Faculty guide **Mr.R.B.More**

Mr.R.B.More
Project Guide

Mr.G.K.Birangaddi
Head of the Department

Mrs.R.S.Patil
Principal



Seal of Institute

C E R T I F I C A T E

This is to certify that Shankar Maruti Morti of, Sant Gajanan Maharaj Rural Polytechnic,
Mahagaon.Enrollment No 2109650173 has completed *Synopsis on the Capstone Porject Planning*
/Semester V Project Report having title **Discover Ease Plus** in a group consisting of 4 students
under the guidance of the

Faculty guide **Mr.R.B.More**

Mr.R.B.More
Project Guide

Mr.G.K.Birangaddi
Head of the Department

Mrs.R.S.Patil
Principal



Seal of Institute

C E R T I F I C A T E

This is to certify that Shreyash Tanaji Magdum of, Sant Gajanan Maharaj Rural Polytechnic, Mahagaon.Enrollment No 2109650175 has completed *Synopsis on the Capstone Porject Planning /Semester V Project Report* having title **Discover Ease Plus** in a group consisting of 4 students under theguidance of the

Faculty guide **Mr.R.B.More**

Mr.R.B.More

Project Guide

Mr.G.K.Birangaddi

Head of the Department

Mrs.R.S.Patil

Principal



Seal of Institute

C E R T I F I C A T E

This is to certify that Prathmesh Yashwant Sardesai of, Sant Gajanan Maharaj Rural Polytechnic, Mahagaon.Enrollment No 2109650163 has completed *Synopsis on the Capstone Porject Planning /Semester V Project Report* having title **Discover Ease Plus** in a group consisting of 4 students under theguidance of the

Faculty guide **Mr.R.B.More**

Mr.R.B.More
Project Guide

Mr.G.K.Birangaddi
Head of the Department

Mrs.R.S.Patil
Principal



Seal of Institute

Group Details:

Sr. No	Name of group members	Roll No.	Enrollment No.	Seat No.
1	Bhushan Siddhappa Karguppi	22	2109650147	207347
2	Shankar Maruti Morti	33	2109650173	207358
3	Shreyash Tanaji Magdum	35	2109650175	207360
4	Prathmesh Yashwant Sardesai	28	2109650163	207353

Name of Guide: Mr.R.B.More

Acknowledgements

We express our gratitude to everyone who supported us throughout the course of this project. We are thankful for their aspiring guidance and friendly advice during the project work. We are sincerely grateful to them for sharing their truthful and illuminating views on a number of issues related to the project. We express our warm thanks to Project Coordinator Mr.A.T.Narvekar for his support and guidance at Sant Gajanan Maharaj Rural Polytechnic,Mahagoan. We would also like to thank our guide Mr.R.B.More and all the people who provided us with the facilities being required for our project. The whole team of the Computer Engineering department helped us throughout the project and also helped us to clear our obstacles. It's a great honor to be a student of the esteemed institute of Sant Gajanan Maharaj Rural Polytechnic, Mahagoan. and got several opportunities to learn everyday something new.

- **Institute Vision:**

To mold the students into capable engineers with aptitude for research and leadership to contribute effectively in contemporary technology development at global level with focus on rural community.

- **Institute Mission:**

1. Inculcating best engineering skills, professional ethics and practices.
2. Providing strong foundations by adopting effective teaching learning methods.
3. To inculcate best laboratory skills by promoting in house development activities.
4. Developing leadership qualities, effective soft skills, critical thinking and attitude of lifelong learning by organizing student centric activities.

Program Vision:

Produce best quality professionals by imparting hands on experience and value based education to meet the aspirations of software community.

Program Mission:

1. Provide sound technical foundation in Computer Engineering through comprehensive curriculum with rich skills set and practical experience.
2. To provide Strong communication skills to function effectively as a part of team and enable the students to sense societal and ethical responsibilities in all professional fields.
3. To enable students to become valuable and creative contributors to continue their education to grow professionally along with the spirit of moral values.

- **PEO (Program Educational Objectives):**

- **Breadth of knowledge:**

Produce computer engineers with ability to apply the knowledge, software skills to develop software solutions for real life problems.

- **Professionalism:**

Produce professionals with ethical attitude, effective communication skills and multidisciplinary approach to cope up with employers and societal demands.

- **Analytical reasoning:**

Inculcate analytical reasoning and critical thinking through effective teaching learning and hands on training to develop innovative spirit and entrepreneurial attitude.

- **Lifelong learning:** Motivating students to develop an ability to pursue higher studies research relevant to their discipline for career growth and create enthusiasm for lifelong learning.

- **Program Specific Outcomes**

PSO1. Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer software and hardware.

PSO2. Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.

Abstract

The "Discover Ease Plus" project is a comprehensive exploration into the dynamics of city service delivery with a primary focus on enhancing the quality of urban life. As cities continue to grow, the demand for efficient and equitable services, encompassing transportation, healthcare, education, waste management, and more, becomes increasingly critical.

This project aims to investigate the current state of city service provision, identifying challenges and opportunities within the urban context. Through a meticulous literature review, data analysis, and examination of case studies, the study will delve into key factors influencing the effectiveness of urban services. The exploration encompasses technological innovations, policy frameworks, community engagement strategies, and their impact on overall urban livability.

The project's significance lies in its potential to contribute valuable insights to the fields of urban planning, public administration, and policy development. By addressing the complexities of urban service provision, the study aims to guide decision-makers in developing strategies that promote sustainable, inclusive, and livable urban environments.

The ensuing chapters will provide a detailed examination of the literature, data analysis, and case studies, culminating in a set of recommendations aimed at fostering resilient and responsive city service provision. Through this endeavor, we aspire to contribute to the ongoing discourse on the optimization of urban services for the benefit of present and future city dwellers.

Content Page

Sr.no	Title Of Experiment	Date of Performance	Date of Submission	Marks
1	Problem/Task identification	14/08/2023	19/08/2023	
2	Literature survey/ Industrial Survey	20/08/2023	26/08/2023	
3	Project proposal	29/08/2023	06/09/2023	
4	Execution of plan in fifth semester	10/09/2023	18/09/2023	
5	Log book	19/09/2023	25/09/2023	
6	Portfolio Preparation	27/09/2023	15/10/2023	
7	Final Report Preparation(06)	06/11/2023	16/11/2023	
8	Presentation	24/11/2023	28/11/2023	

1. INTRODUCTION

In an era of unprecedented urbanization, cities stand as crucibles of innovation, opportunity, and diverse human interactions. However, the burgeoning population within urban centers poses unique challenges, particularly in the provision of essential services. This project, titled "Discover Ease Plus," seeks to delve into the intricacies of city service delivery, with a focus on enhancing the quality of life for residents.

As urban landscapes evolve, the demand for efficient transportation, accessible healthcare, quality education, waste management, and other essential services becomes paramount. Recognizing the pivotal role these services play in shaping the urban experience, this project endeavors to investigate current practices, challenges, and opportunities in city service provision.

With a concise yet comprehensive approach, the project aims to analyze key factors influencing the effectiveness of urban services. By doing so, it aspires to lay the groundwork for informed decision-making, innovative solutions, and policy recommendations that can positively impact the livability and sustainability of cities.

Through a combination of literature review, data analysis, and case studies, this project will explore the dynamic landscape of city services, considering technological advancements, policy frameworks, and community engagement strategies. The ultimate goal is to provide actionable insights for urban planners, policymakers, and stakeholders, fostering a more resilient and responsive urban infrastructure.

In the pages that follow, we will navigate the multifaceted realm of city service provision, seeking to unravel complexities, highlight best practices, and propose strategies that can transform cities into thriving, inclusive, and well-served hubs. This brief introduction sets the stage for a deeper exploration into the challenges and opportunities inherent in the quest for optimal city service provision..

2. LITERATURE SURVEY

Define the Scope:

Clearly define the scope of your literature survey. Determine which specific city services you are interested in, such as transportation, healthcare, education, or waste management.

Search Strategies:

Utilize academic databases, journals, conference proceedings, and reputable online repositories to find relevant literature.

Use search engines, but also explore specialized databases like PubMed, IEEE Xplore, JSTOR, and others.

Key Search Terms:

Identify key terms related to city service provision. For example: "urban services," "city infrastructure," "public transportation," "smart cities," "waste management," etc.

Categorize Information:

Group the literature into categories based on the type of city services. This helps in organizing the information and gaining a comprehensive understanding of each aspect.

Historical Context:

Explore the historical development of city services in various locations. Understand how urban services have evolved over time and the factors influencing these changes.

Challenges and Solutions:

Look for literature that discusses challenges faced by cities in providing services and the solutions or strategies implemented to address these challenges.

Technological Innovations:

Investigate literature on how technology, such as IoT (Internet of Things), AI (Artificial Intelligence), and data analytics, is being employed to enhance city services.

Comparative Studies:

Identify literature that compares city service provision across different cities, regions, or countries. Compare strategies, successes, and failures to draw valuable insights.

Government Policies:

Explore literature on government policies and regulations influencing city service provision. Understand how government initiatives impact urban development.

Community Engagement:

Look for studies that discuss the role of community engagement and participation in the planning and provision of city services.

Environmental Impact:

Investigate literature on the environmental impact of city services. Explore sustainable practices and eco-friendly initiatives in urban service provision.

Future Trends:

Identify research that discusses emerging trends and future projections in city service provision. This could include discussions on smart cities, green infrastructure, and innovative urban planning.

Synthesize Findings:

Summarize and synthesize the key findings from the literature survey. Identify gaps in existing research and potential areas for further exploration.

3. Project Proposal

Proposed Methodology

1.Volunteer Engagement: Limited participation and retention of volunteers, hindering the project's ability to execute initiatives effectively.

2.Funding Sustainability: Challenges in securing consistent and sustainable funding to support ongoing and future projects, potentially impacting their scale and impact.

3.Community Awareness: Insufficient awareness within the community about the project's goals, leading to a lack of support and participation.

4.Project Scalability: Difficulty in scaling the project to address the diverse needs of the growing population in the city.

5.Measurable Impact: Establishing clear metrics and evaluation methods to assess the tangible impact of the local service initiatives on the community

4. Execution Plan of Project in Fifth Semester

S. No.	Details of activity	Planned Start date	Planned Finish date	Name of Responsible Team Members
1.	Finalization of project Title	14/08/2023	24/08/2023	All members
2.	Project Definition	26/08/2023	06/09/2023	All members
3.	Plan	10/09/2023	18/09/2023	All members
4.	Gathering information	06/10/2023	16/11/2023	All members
5.	Demonstration of the project and making report	24/11/2023	28/11/2023	All members

5. Log Book

Week No:	Activities planned:	Activities Executed	Reason for delay if any	Corrective measures adopted	Remark and Signature of the Guide
Week 1 and 2	Studied about various topics such as 1)Online Product Auction 2)Online Recruiting 3)Discover Ease Plus Deep research on Service related Topics Studied	Project identification Explore various websites	---	Discuss with the guide.	
Week 3 and 4	Prepare PPT on Online Product Auction And present in front of the Project Guide Learn on deep of Service related topics	Prepared a PPT And presented in front of Project Guide	---	Understand the scope	
Week 5 and 6	Planned Activities For eg: Service related topics Development and Study how to use Service related topics in our project	Learning going on And studied about Service related topics	---	Getting some new concepts	
Week 7 and 8	To find out The problem that we can solve using Service related topiscs and prepare ppt And present in front of the Project Guide	Fined the problem and Prepared ppt and presented it	---	---	

Week 9 and 10	Identify the name of project and Study about the modules or hardwares	Decided name of Project Studied about Discover Ease Plus	---	Discuss with the project guide.	
Week 11 and 12	Learn and read the official document of Discover Ease Plus and research more on this topic and identify that what resource are required to fulfil this requirement and Design the structure of project	For e.g. Designing, and study of various modules	---	Learn the various technologies and learn how to implement it.	
Week 13 and 14	Started implementing and design this project by helping various information as well as various modules.	Designing and Coding of Discover Ease Plus project	---	Implement all activities learn in 12 weeks	

6. Portfolio Preparation

Sr No	Questions	Response	
		Yes	No
1	Are You able to plan for execution of given work?	Yes	
2	Are you able to take appropriate decisions?	Yes	
3	Are you able to arrange resources?	Yes	No
4	Are you able to work as a member and leader of team?	Yes	
5	Are you able to communicate properly?	Yes	
6	Are you able to resolve the conflicts?	Yes	
7	Are you able to manage the time well?		No
8	Do you have concern for ethical, societal and environmental issues?		No
9	Do you have ability to learn from Experiences?	Yes	
10	Does changing Technology threaten you?		No

7. Portfolio Preparation

Sr No	Questions	Response	
		Yes	No
1	Are You able to plan for execution of given work?	Yes	
2	Are you able to take appropriate decisions?		No
3	Are you able to arrange resources?	Yes	No
4	Are you able to work as a member and leader of team?	Yes	
5	Are you able to communicate properly?	Yes	
6	Are you able to resolve the conflicts?		No
7	Are you able to manage the time well?		No
8	Do you have concern for ethical, societal and environmental issues?		No
9	Do you have ability to learn from Experiences?	Yes	
10	Does changing Technology threaten you?		No

8. Portfolio Preparation

Sr No	Questions	Response	
		Yes	No
1	Are You able to plan for execution of given work?	Yes	
2	Are you able to take appropriate decisions?		No
3	Are you able to arrange resources?	Yes	No
4	Are you able to work as a member and leader of team?		No
5	Are you able to communicate properly?	Yes	
6	Are you able to resolve the conflicts?		No
7	Are you able to manage the time well?	Yes	
8	Do you have concern for ethical, societal and environmental issues?		No
9	Do you have ability to learn from Experiences?	Yes	
10	Does changing Technology threaten you?		No

9.REFERENCE AND BIBLIOGRAPHY

1. <https://www.geeksforgeeks.org/>
2. <https://www.javatpoint.com/>
3. <https://rbi docs.rbi.org.in/>
4. <https://github.com/>

Teacher Evaluation Sheet (ESE)

Capstone Project Planning

Name of Student :

Academic Year : 2023-2024

Course : Computer Engg.

Course Code : 22050

Title of Project : Discover Ease Plus

A. POs addressed by the project :

1. **Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
2. **Problem analysis:** Identify and analyze well-defined engineering problems using codified standard methods.
3. **Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
4. **Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
5. **Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
6. **Project Management:** Use engineering management principles individually, as a Team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
7. **Life-long learning:** Ability to analyze individual needs and engage in updating in the context of technological changes.

B. CO's addressed by the Micro Project :

1. Write the problem/task specification in existing systems related to the occupation.
2. Select, collect and use required information/knowledge to solve the problem/complete the task.
3. Logically choose relevant possible solutions.
4. Consider the ethical issues related to the project (if any)
5. Assess the impact of the project on society (if any)
6. Prepare project proposals with action plan and time duration scientifically before beginning of project.
7. Communicate effectively and confidently as a member and leader of team.