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TITLE / ROLE	Online Voter ID CARD application

IDENTIFYING STAKEHOLDERS

❖ **End users:** Citizens who will use the online platform to apply for and obtain voter ID cards.

❖ **Election Commission:** The government body responsible for managing elections and overseeing the voter registration process.

❖ **IT team:** The developers and technical experts responsible for designing, building, and maintaining the software.

❖ **Project managers:** Individuals who are responsible for overseeing the project from start to finish.

❖ **Regulatory authorities:** Government agencies that regulate the voting and election process.

❖ **Security and privacy experts:** Individuals who can ensure that the software is secure and protects the privacy of users.

❖ **Customer service representatives:** Individuals who will be responsible for handling user queries and complaints.

❖ **Stakeholder management team:** Individuals who will ensure that all stakeholders are informed and engaged throughout the project.

SPONSORS

❖ In general, potential sponsors for an online voter ID application project could include government bodies, political organizations,

❖ Non-profit organizations

- ❖ Private companies with a vested interest in voter registration and engagement.

- ❖ It's important to identify potential sponsors who share your project's goals and values, and who have the resources and willingness to support your project.

- ❖ You can reach out to these organizations through various channels such as email, phone, or social media. Additionally, you can also explore crowdfunding platforms or grants for funding opportunities

PORT FOLIO MANAGERS

- ❖ A portfolio manager for an online voter ID card application software engineering project would typically be responsible for overseeing multiple related projects and ensuring that they are aligned with the overall strategic objectives of the organization.

- ❖ The portfolio manager would work closely with project managers and other stakeholders to prioritize projects, allocate resources, manage risks, and monitor progress.

- ❖ In the context of an online voter ID card application project, the portfolio manager may also be responsible for ensuring that the project aligns with the relevant legal and regulatory requirements, and that it is responsive to the needs and expectations of the intended users, such as voters, election officials, and other stakeholders.

- ❖ To find a portfolio manager for your online voter ID card application software engineering project, you can consider searching for professionals with relevant experience and qualifications, such as a Project Management Professional (PMP) certification.

PORT FOLIO REVIEW BOARD

- ❖ A portfolio review board is a group of individuals who review and evaluate the progress and quality of a project's deliverables.

- In the context of an online voter ID card application the portfolio review board would likely consist of stakeholders, project managers, and software developers who would review the project's objectives, timeline, risks, and progress.

- The board would review the project's performance and suggest necessary improvements to meet the project goals. The review board can provide valuable feedback and guidance to ensure the successful completion of the project

PROGRAM MANAGER

- A program manager for an online voter ID application management is responsible for overseeing the development and delivery of the application.

- The program manager would be responsible for identifying project goals, establishing project plans and timelines, managing resources, assessing and mitigating risks, and monitoring project progress

- In summary, the program manager plays a critical role in the successful delivery of an online voter ID application by coordinating and managing the project team, resources, and deliverables to meet project objectives

PROJECT MANAGEMENT OFFICE (PMO):

- A Project Management Office (PMO) for an online voter ID card application in software engineering project management is a centralized function that provides guidance, oversight, and support for project management activities.

- The PMO ensures that the project is aligned with the organization's strategic goals, manages project risks, and provides best practices and standards for project management

- The PMO establishes processes and procedures for project management, including project planning, resource management, risk management, quality management, and

communication management. They also provide project management tools and templates to ensure consistency and efficiency in project management activities.

❖ The PMO is responsible for monitoring and reporting on project progress, identifying and mitigating project risks, and ensuring that the project is completed within the specified time frame and budget.

❖ They also provide guidance and support to the project manager and project team to ensure that the project meets stakeholder expectations.

❖ In summary, the PMO for an online voter ID card application in software engineering project management provides essential oversight and support to ensure that the project is completed efficiently, effectively, and on time, while meeting stakeholder expectations.

PROJECT MANAGER:

❖ A project manager for an online voter ID card application in software engineering project management is responsible for overseeing the planning, development, and delivery of the project.

❖ The project manager works with the project team and stakeholders to define project goals, establish project plans and schedules, manage project resources, assess project risks, and monitor project progress.

❖ The project manager would also be responsible for managing the project scope, ensuring that the project meets quality standards, and delivering the project on time and within budget.

❖ They would communicate project status and risks to stakeholders and take necessary corrective actions to ensure that the project stays on track.

❖ Additionally, the project manager would manage project issues, risks, and changes throughout the project life cycle.

❖ They would ensure that project documentation is complete and up-to-date, and that project knowledge is captured and shared with the project team and stakeholders.

- ❖ In summary, the project manager plays a critical role in the successful delivery of an online voter ID card application by:

- ➢ Coordinating and managing the project team.

- ➢ Resources, and deliverables to meet project objectives, while ensuring quality, on-time delivery, and effective communication with stakeholders.

PROJECT TEAM:

- ❖ The project team for an online voter ID card application is responsible for designing, developing, and implementing the application.

- ❖ The project team for an online voter ID card application in would comprise of professionals from different disciplines, who work together to design, develop and implement the application while ensuring quality, timely delivery, and meeting stakeholder requirements

FUNCTION MANAGER:

- ❖ A function manager is responsible for overseeing a specific function or aspect of a project, such as development, testing, or design.

- ❖ The function manager works closely with the project manager to ensure that their function is aligned with the overall project objectives, plans, and timelines.

- ❖ They are also responsible for managing their function's resources, assessing and mitigating function-specific risks, and monitoring function-specific progress.

- ❖ Additionally, they ensure that the function-specific deliverables meet quality standards, are delivered on time, and within budget

USER STORY

✓ User story highlights the need for a feature that allows citizens to track the status of their voter ID card application, which can help them stay informed and reduce uncertainty about the application process

1] APPLICANTS FOR THE VOTER ID:

An Applicant here is the individual who applies for the Voter ID.

2] VOTER ID CARD INFORMATION PROVIDERS:

Applicants can ask any kinds of doubt related to voter id card from the election commission authorities.

3] FINANCE DEPARTMENT:

The finance department is responsible for management of the cash flow when the processing fee is applied.

IDENTIFYING THE PROCESS MODULES

This project consists of 6 modules namely:

1. **Requirement Analysis:**

   Identify and analyze the requirements of the online voter ID card application, including functional and non-functional requirements.

   This step helps to ensure that the application meets the needs and expectations of users, stakeholders, and regulatory bodies.

2. **Design and Architecture:**

Develop a design and architecture for the application, based on the requirements analysis.

This step involves creating wireframes, user interface design, data models, and system architecture, and ensures that the application is designed to be scalable, maintainable, and secure.

3. **Development and Implementation:**

Develop the application software using appropriate programming languages, tools, and frameworks.

This step involves coding, testing, and debugging, and ensures that the application functions as expected, is reliable and meets quality standards.

4. **Testing and Quality Assurance:**

Conduct comprehensive testing of the application to ensure that it meets quality standards, is free of bugs and errors, and functions as expected.

This step involves unit testing, integration testing, and user acceptance testing, and ensures that the application is ready for deployment.

5. **Deployment and Maintenance:**

Deploy the application to a production environment, and maintain it to ensure that it functions smoothly and remains up-to-date.

This step involves monitoring performance, addressing bugs and errors, updating software libraries and security patches, and ensuring high availability.

6. **User Training and Support:**

Provide training and support to users of the online voter ID card application to ensure that they can use the application effectively and efficiently.

This step involves creating user manuals, conducting training sessions, and providing technical support to users, and ensures that the application is adopted and used as intended.

The process module ensures that the online voter ID card application is developed using a systematic and disciplined approach, and that it meets the needs and expectations of stakeholders.

It helps to ensure that the application is developed within budget, on time, and to a high standard of quality.

ARRIVING AT THE PROBLEM STATEMENT

PROBLEM STATEMENT:

- ❖ Is to develop a secure and user-friendly system that enables eligible citizens to apply for a voter ID card online, verify their personal and biometric information, and receive their ID card through a seamless and efficient process.

- ❖ The system should also have features for managing voter data, ensuring accuracy and integrity of voter information, and preventing fraud or misuse of the system.

- ❖ Additionally, the project should adhere to relevant legal and regulatory requirements, be scalable and adaptable to changing needs, and have adequate measures for maintenance and support.

COMPARISION BETWEEN AGILE AND WATERFALL MODEL

- ❖ Both Agile and Waterfall methodologies can be used to design an online voter ID card application

- ❖ the choice between the two would depend on the specific requirements of the project, team experience, and available resources.

- ❖ Agile methodology is best suited for projects with rapidly changing requirements, where the project scope may evolve as the project progresses.

- ❖ It is an iterative approach that emphasizes collaboration, flexibility, and continuous feedback. In the case of an online voter ID card application,

- ❖ Agile may be beneficial for incorporating changes in eligibility criteria, security protocols, and voter information management.

- ❖ On the other hand, the Waterfall model is a linear approach that follows a sequential process, with each stage completed before moving on to the next.

- ❖ It is best suited for projects with well-defined requirements and a fixed scope.

- ❖ In the case of an online voter ID card application, Waterfall may be useful for ensuring that all requirements are met before moving on to the next stage, including user registration, authentication, and biometric verification.

- ❖ Overall, both Agile and Waterfall methodologies have their own advantages and disadvantages, and the choice between them would depend on the specific needs of the project. A hybrid approach that combines elements of both methodologies may also be a viable option for some projects.