**SEPM Assignment 2**

1. Consider a software project “Election management system ”.

Do Analysis and choose a process model what do you think is the suitable one?

To choose a suitable process model for the "Election management system" project, we need to consider various factors such as the size of the project, complexity of the system, development team's experience, customer involvement, and flexibility requirements.

Analysis:

1. Size of the project: The election management system is a medium to large-sized project, with many features and requirements.
2. Complexity of the system: The system is complex, with various functionalities, workflows, and integrations.
3. Development team's experience: The team members have moderate to high experience in software development, and they have previously worked on similar projects.
4. Customer involvement: The customer is involved in the project and provides feedback and requirements throughout the development cycle.
5. Flexibility requirements: The project has some flexibility requirements, such as the ability to incorporate changes and new features in later stages of the project.

Based on the above analysis, the suitable process model for the "Election management system" project could be the Agile model.

The Agile model is a flexible, iterative, and incremental process model that emphasizes customer involvement and collaboration. It is suitable for complex projects where requirements are likely to change during development. It allows for continuous delivery of working software, which enables the customer to provide feedback and make changes throughout the development cycle. It also emphasizes teamwork, communication, and continuous improvement.

In the Agile model, the project is divided into small, iterative cycles called sprints, and each sprint delivers a working piece of software. The requirements are prioritized by the customer, and the team focuses on delivering the most critical requirements first. The development team and the customer work closely together to ensure that the project is on track, and any changes or issues are addressed immediately.

Overall, the Agile model seems to be the most suitable process model for the "Election management system" project due to its flexibility, customer involvement, and emphasis on teamwork and collaboration.