CS Task02 – SE Process

1. Decide whether your SE Process for implementing the MHC-PMS should be rather plan- driven or agile

Pro agile
- Since we have sufficient resources we can get as much <u>feedback</u> as we need and of course use <u>good tools</u> to support system development.
- <u>Medium – size</u> software project
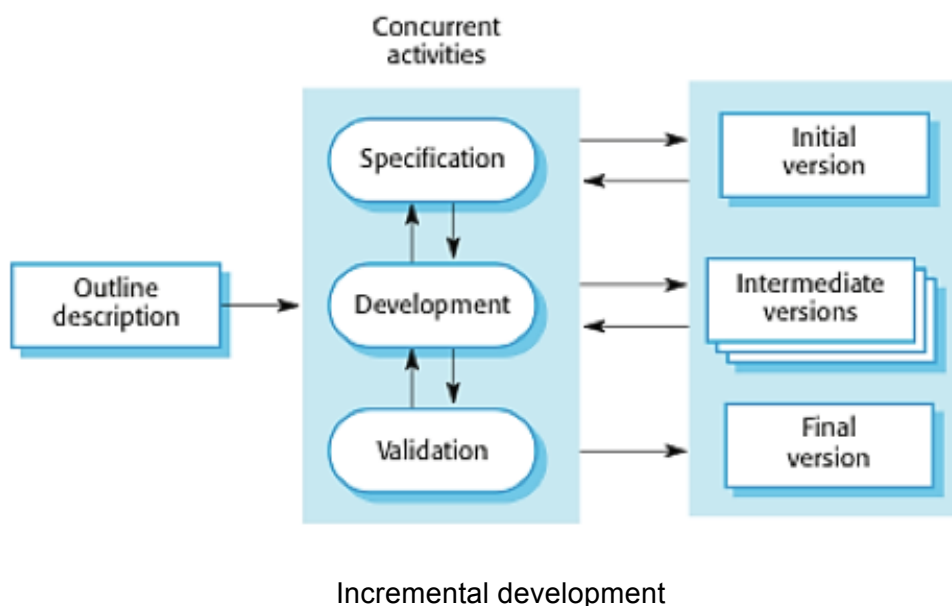- <u>The team is small</u> and is able to communicate well and easy.

Pro plan – driven
- The project requires quite detailed <u>specification</u> and design before implementation.
- The expected system <u>lifetime</u> is long
- All <u>team members aren't highly skilled programmers</u>
- <u>Safety</u> requirements

Because of these points we decided to take <u>a **combo** between plan – driven and agile</u> for our project.

2.

A process model

Incremental development

For each activity the goals, tasks and potential output(s)

Activity	Goal	Task	Output
Specification	Description of product	Describe product and write specification	Specification
Development	Evolve/develop product	Evolve/develop product	Product
Validation	Checking for specifications and requirements	Comparison between specification and product	Report
Initial version	First test; try to fulfil the customer wishes	Software testing	Report and potential errors or required fixes
Intermediate versions	Second test	Testing to be sure errors are fixed	Report
Final version	Final version of product	---	Final product

Relation among outputs of different activities

The requirements of the customer are written down in the specification. This document is required to start developing a product. After development but still before the first test, Validation takes place. This is to be sure that all the requirements are implemented. After testing the initial version errors get fixed and missing demands are added.The final version has to fulfil all the needs of the client.

Involvement of stakeholders

- The customer gets involved with the management to give details about the concrete requirements.
- The management gets involved with the development team to hand over the wishes and plans of the customer.
- The development team is during development involved with the client to talk about his presented challenges and also with the users in the context of testing and feedback.