SE 216 – SOFTWARE PROJECT MANAGEMENT
SOFTWARE MEASUREMENTS DOCUMENT

PROJECT NAME: SeatTracker

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Questions to identify measurements:

- Did the project adhere to its schedule?
- How many changes has been occurred?

Identified measurements:

Identified measurements for project schedule :
I. Planned vs actual schedule.
II. Number of tasks completed on time.

Identified measurements for changes :
I. Total number of changes.
II. Change date.

Measurement storage and collection:

Measurement storage and collection for project schedule :
What: The comparison between the planned schedule and the actual schedule, and milestone achievement.
When: The measurements of planned vs. actual schedule and milestone achievement will be collected throughout the project lifecycle in each increment.
Format: The measurements will be collected in a spreadsheet format to allow for easy analysis and comparison.
How: The responsible team member for change management will collect the measurements, and these will be stored in a centralized location for the sake of convenient accessibility and analysis.

Measurement storage and collection for project changes :
What: Number of change requests and date of change.
When: This measurement will be collected throughout the project lifecycle in each increment.
Format: To facilitate analysis and comparison, the measurement will be stored in a spreadsheet format.
How: The measurement will be collected by team member responsible for change management. The data will be stored in a centralized location for easy access and analysis.

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Measurement Type	Description	Example Measurements
Change Management	Evaluate the project's adherence to the planned schedule.	I. Planned vs. actual schedule. II. Number of tasks completed on time.
Schedule Adherence	Monitor and manage changes in the project.	I. Total number of changes. II. Change date.
Resource Utilization	Assess how efficiently resources have been allocated and utilized.	I. Analysis of earned value.
Project Progress	Track the completion of project milestones and deliverables.	I. Percentage of completed milestones, number of tasks completed vs. total tasks.
Time Management	Monitor the time spent on various tasks and compare it to the planned time.	I. Actual time spent on tasks vs. estimated time. II. Team member hours logged. III. Average time to complete tasks.
Budget Management	Ensure the project stays within the allocated budget by tracking expenses and comparing them to the initial budget.	I. Actual costs vs. planned costs. II. Cost variance.
Quality Control	Assess the quality of the project deliverables by tracking defects and their resolution.	I. Number of defects identified. II. Percentage of defects resolved. III. Defect density.