**PES UNIVERSITY**

# AUGUST – DECEMBER 2022 SEMESTER 5

SOFTWARE ENGINEERING LAB TASKS

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## TASK – 1: AGILE & SCRUM

With regards to the case study, answer the following questions:

1. Answer the following questions based on your understanding in not more than 10 sentences
   1. Identify from the observations, where all would you think Service Inc. did not meet the intent of the Agile Manifesto (any 10)
   2. Identify from the observations, where all would you think Service Inc. deviated from what is expected from a SCRUM implementation. (any 10)
   3. Discuss each of the findings in the table and indicate whether the finding contributed positively or negatively in go/no go recommendation and indicate with ~5 sentences why it is so.
2. How can Service Inc. achieve 40% growth in margin while achieving only a 25% growth in revenue?
3. What are the cultural differences between Service Inc. and Product Inc. that you think is a challenge for successful scrum implementation that would satisfy Product Inc.?

This assignment can be done by making use of either Word or Google Docs or PowerPoint or Google Slides. Submit your assignment in a PDF format.

## The task is to be completed in teams of five.

**TASK – 2: AGILE & SCRUM**

Your team has been delegated with the task of **developing an e- commerce website**. Your team has to follow Agile methodologies to finish and launch the initial version of the website. As a part of the Scrum activities, Sprint Pre Planning and Planning meetings are held.

Your team’s lab task is to **identify the requirements of the stakeholders and prioritize them**. **Scope for three 4 week Sprints** must be decided. User stories as a **product backlog** must be prepared. **Roadmap** must be prepared. The features of the website to be worked on must be decided for each Sprint. **Releases** at the end of each Sprint must be decided. Everything must be documented as a **Burndown chart**.

All Sprint details and requirements must be clearly mentioned in the document you submit. You can make use of timelines or similar diagrammatic elements.

Each team is allowed to pick the nuances of what the e-commerce website sells and what features the website provides the users. A happy brainstorming session to all teams! :)

Submit your document as a PDF.

## The task is to be completed in teams of five.