

B.Sc. (Hons) in Information Technology
IT2080 IT Project

Agile-based Activity – Planning project scope and schedule

Objective: Create the product backlog and Kanban Board (or Task Board) for ITP project

Part 1:

Individual Tasks:

- 1.1. Create **Epic → Feature → User Story → Task** break down for the responsible function(s).



- 1.2. Add relative estimates for the user stories using an agile estimation method.

Group Tasks:

- 2.1. Develop the product backlog by adding all user stories.
- 2.2. Assign priorities for all user stories (discuss with your client as well to determine priorities).
- 2.3. **You have 2 sprints to complete your product (release1 and release 2).** Assume that you have 3 weeks per sprint. Develop the sprint backlog for the 2 sprints.

Note: Clearly indicate the deliverable(s) of each release

Part 2:

Introduction to Kanban Board

A Kanban board (also known as task board) is an agile project management tool designed to help visualize work, limit work-in-progress, and maximize efficiency (or flow). It can help both agile and DevOps teams establish order in their daily work. Kanban boards use cards, columns, and continuous improvement to help technology and service teams commit to the right amount of work, and get it done.

Reference:

<https://www.atlassian.com/agile/kanban/boards#:~:text=A%20kanban%20board%20is%20an,order%20in%20their%20daily%20work.>

1. Create the Kanban board (task board) for ITP project using a suitable project management tool (Ex: **Trello**. Search for a free tool in web.). Ensure following steps in creating the Kanban board.
 - Add all user stories in product backlog to the Kanban board.
 - Add all tasks identified in each user story.
 - Indicate all necessary information of each user story.
 - Indicate team member(s) responsible for each user story.

Sample Kanban Board



Activity Submission:

1. Create a report with following sections.
 - I. Cover page including the below.
 - SLIIT Logo

- Information Technology Project (IT2080)
- <Batch ID>
- <Group ID>
- Agile Activity Report
- <Table with group member registration numbers and names>

II. Brief Project Introduction

III. Epic → Feature → User Story → Task break down structure of each member.

IV. Product backlog (indicate estimates and priorities).

V. Sprint backlogs (indicate deliverable(s) of sprints)

VI. Kanban Board - Add screenshots of the Kanban board of your project.

2. Submit a pdf document of your group activity report having the file name as your groupID, to the correct link given in course web page.

NOTE: Please make sure that you update the Kanban board of your project regularly.