**Batch: A-3 Roll No.: 16010122104**

**Experiment No. 8**

**Grade: AA / AB / BB / BC / CC / CD /DD**

**Signature of the Staff In-charge with date**

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| **TITLE: Study of Project Management Tool.** |

**AIM:** To learn Project management

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* Gain a comprehensive understanding of project management principles and methodologies, including planning, execution, monitoring, and closing of projects.
* Learn how project management tools and techniques assist in the effective scheduling, resource allocation, risk management, and stakeholder communication throughout the project lifecycle.

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**Books/ Journals/ Websites referred:**

1. Roger Pressman, Software Engineering: A practitioners Approach, McGraq Hill, 2010 ,6th edition

2. Ian Somerville , Software Engineering , Addison Wesley,2011,9th edition 3 http://en.wikipedia.org/wiki/Software\_requirements\_specification

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**Project management** is the practice of planning, organizing, executing, and overseeing the work of a team to achieve specific goals within defined constraints. It is an essential discipline in both technical and non-technical fields that helps ensure projects are completed successfully, on time, and within budget.

A project is typically a **temporary endeavour** aimed at creating a unique product, service, or result. Unlike routine operations, projects have a defined start and end, and they are initiated to accomplish specific objectives. Project management involves the application of skills, tools, techniques, and knowledge to meet these objectives.

Study and prepare a document on any one Project Management Tool:

**Tool Name: Trello**

**Overview:** Trello is a popular, user-friendly project management tool that helps individuals and teams organize tasks and collaborate efficiently. Based on the Kanban methodology, Trello allows users to create boards, lists, and cards to track project progress in a visual and intuitive way. It’s suitable for managing various types of projects, from small personal tasks to complex team-based work.

**Key Features:**

**Boards, Lists, and Cards:**

Organize projects visually using boards (project overview), lists (steps or stages), and cards (tasks).

**Drag-and-Drop Interface:**

Easily move tasks between different stages of completion by dragging cards from one list to another.

**Labels and Filters:**

Categorize tasks using labels for easy filtering and prioritization.

**Due Dates and Reminders:**

Assign due dates and set reminders for tasks to ensure timely completion.

**Collaboration Tools:**

Add team members, assign tasks, comment on cards, and attach files for collaborative project work.

**Checklists and Task Breakdowns:**

Create checklists within cards to break tasks into smaller, manageable steps.

**Power-Ups (Integrations):**

Integrate with third-party tools such as Google Drive, Slack, and Jira for extended functionality.

**Mobile and Desktop Access:**

Access Trello from both mobile devices and desktop, syncing in real-time.

**Use Cases:**

**Benefits:**

**Ease of Use:**

Intuitive interface makes Trello accessible to users of all technical skill levels.

**Flexibility:**

Highly adaptable for various types of projects, including personal, team-based, or company-wide.

**Real-Time Collaboration:**

Team members can update tasks in real-time, ensuring transparency and communication.

**Customizability:**

Power-ups and automation features allow for customization based on project needs.

**Cost-Effective:**

Free version available with robust functionality for small to medium teams, with affordable premium options for more advanced needs.

**Drawbacks:**

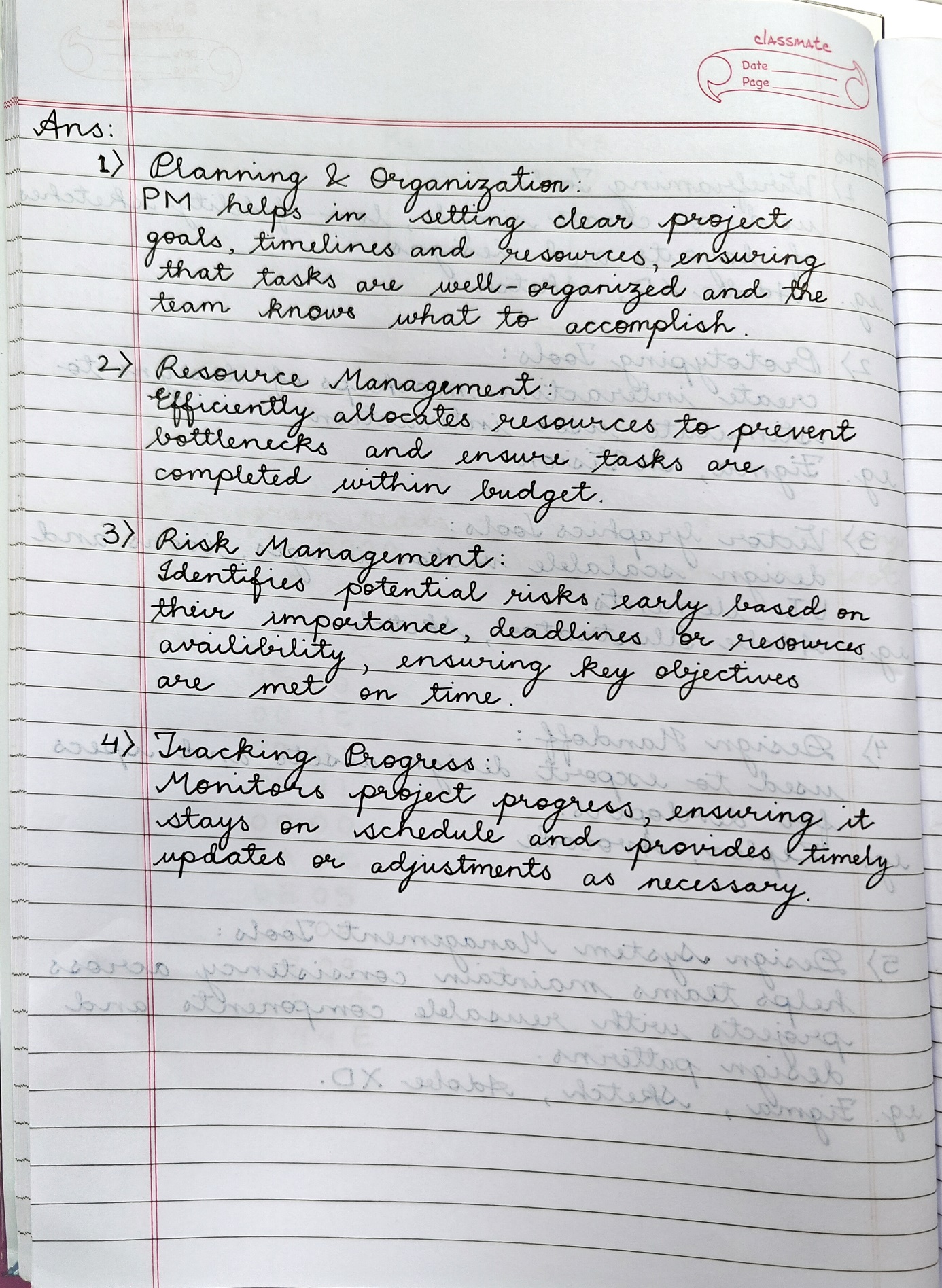
* **Limited Reporting:**
  + **Trello does not offer in-depth reporting features, which might be a drawback for complex projects requiring detailed analytics.**
* **Basic Structure:**
  + **May not be ideal for highly structured or large-scale projects requiring hierarchical task management.**

**Conclusion:** Trello’s simplicity and visual approach make it a great tool for a wide range of project management needs, especially for teams seeking an easy-to-use, collaborative platform.

**Post Lab Subjective Questions**

1. **State uses of PM.**

**Ans:**

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