

Project Planning Phase – Prepare Milestone & Activity List

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|-----------------------|-------------------------------|
| Project Domain | Cloud Application Development |
| Project Title | News Tracker Application |
| Team ID | PNT2022TMID24898 |
| Date | 22 nd Oct 2022 |

Project Tracker, Velocity & Burndown Chart: (4 Marks)

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (as on Planned End Date) | Sprint Release Date (Actual) |
|---------------|---------------------------|-----------------|--------------------------|----------------------------------|--|-------------------------------------|
| Sprint-1 | 20 | 6 Days | 22 Oct 2022 | 29 Oct 2022 | 29 Oct 2022 | 29 Oct 2022 |
| Sprint-2 | 20 | 6 Days | 29 Oct 2022 | 05 Nov 2022 | 05 Nov 2022 | 05 Nov 2022 |
| Sprint-3 | 20 | 6 Days | 05 Nov 2022 | 12 Nov 2022 | 12 Nov 2022 | 12 Nov 2022 |
| Sprint-4 | 20 | 6 Days | 12 Nov 2022 | 19 Nov 2022 | 19 Nov 2022 | 19 Nov 2022 |

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \text{Sprint Duration} / \text{Velocity}$$

$$= 7 / 15 = 0.46$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

| <i>S:No</i> | <i>Task / Activity</i> | <i>Sprint-1 24 - 29 Oct 2022</i> | <i>Sprint-2 31 Oct - 5 Nov 2022</i> | <i>Sprint-3 7 - 12 Nov 2022</i> | <i>Sprint-4 14 - 19 Nov 2022</i> |
|--------------------|--|---|--|--|---|
| 1 | Creating a web page (Home-Page & Dashboard). | | | | |
| 2 | Creating Database and working on it. | | | | |
| 3 | Establishing database connection. | | | | |
| 4 | Creating Registration/Login Page. | | | | |
| 5 | Creating User Login. | | | | |
| 6 | Implementing Admin & Publisher Panel. | | | | |
| 7 | Integrating NEWS API. | | | | |
| 8 | Adding Watson Assistant. | | | | |
| 9 | Testing and debugging. | | | | |
| 10 | Creating image and containerize the application. | | | | |
| 11 | Deploying the application in IBM cloud. | | | | |