

**Project Planning Phase-I**  
**PROPOSED SOLUTION (Product Backlog, Sprint**  
**Planning, Stories, Story points)**

Date	19-11-2022
Team ID	PNT2022TMID48112
Project name	SMART SOLUTIONS FOR RAILWAYS

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requiremen (Epic)	User Story Number	User Story / Task	Story points	Priority	Team Members
Sprint 1	Set Alarm	USN-1	As a user, I can set an alarm to alerting a medicine through medicine remainder system	10	High	T.Muthukaviya C.Jency K.Animuthu S.Sathish
Sprint 1		USN-2	As a user, I can Activate and Deactivate the alarm	10	High	K.Animuthu C.Jency T.Muthukaviya S.Sathish
Sprint 2	Notification	USN-3	As a user once I can the set the alarm then I gets the notification	10	High	K.Animuthu C.Jency T.Muthukaviya S.Sathish
Sprint 2		USN-4	As a user, If I requires this system then a notification will be sent into	10	High	K.Animuthu S.Sathish T.Muthukaviya C.Jency

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Sprint 3	Medication Detail	USN-5	As a user, I have multiple medications	10	High	K.Animuthu S.Sathish T.Muthukaviya C.Jency
Sprint 3		USN-6	As a user, between setting an alarm and using a pillbox, I'll be able to stay on top of your medications and not miss a dose.	5	low	K.Animuthu C.Jency S.Sathish T.Muthukaviya

Sprint 3		USN-7	As a user, I can store the name of the medicine with its description	10	High	T.Muthukaviya S.Sathish K.Animuthu C.Jency
Sprint 4	GPS Tracking	USN-8	As a user, they can also help large hospitals and clinics manage their inventory more effectively	5	Low	K.Animuthu S.Sathish C.Jency T.Muthukaviya
Sprint 4	Sensor	USN-9	As a user ,they used for keeping the record in medicine details the reminding the schedule of medicine. We have used the IoT enabled Arduino device for monitoring the System.	10	High	K.Animuthu C.Jency S.Sathish T.Muthukaviya

Project Tracker, Velocity & Burndown Chart:

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	8 days	29-10-2022	5-11-2022	20	4-11-2022

Sprint 2	10	8 days	7-11-2022	14-11-2022	10	13-11-2022
Sprint 3	20	8 days	16-11-2022	23-11-2022	20	23-11-2022
Sprint 4	10	8 days	23-11-2022	30-11-2022	10	30-11-2022

**Velocity:** . Let's calculate the team's average velocity (AV) per iteration unit (story points per day).

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

$$= 20 / 8 = 2.5$$

$$\text{AV} = 10 / 8$$

$$= 1.25$$

Burndown Chart :

