Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

D a	27 Oct
T e	PNT20 22TMI
P r o	Project – IoT Based Safety Gadget for Child Safety Monitoring and Notification
Ma xim	8 M

Product Backlog, Sprint Schedule, and Estimation

S p	**Functional Requirement**	**User Story**	**U s**	**Story Points**	**Pri orit**	**Team Memb**
Spr int- 1	Regist ration	U S N	As a user, I can register for the application by entering my email,	2	H i g h	1
Spr int-		U S	As a user, I will receive confirmation	1	H i	1
Spr int-		U S	As a user, I can register for the	2	L o	2
Spr int-		U S	As a user, I can log into the application	2	Me diu	2
Spr int-	L o	U S	As a User, I can Navigate to the Dashboard after	1	H i	3
Spr int- 2	S up po	U S N	As a User, I can connect with Experts for clearing Queries and facing any	3	Me diu m	4
Spr int- 3	Admini strator	U S N - 7	As an Administrator, I can enter my Details as phone number, Gmail, and So on while Registration or Login Process. As an Administrator, I will Manage the Recycle Bin, Backup and Security.	3	H i g h	4

S pr	**Function al**	**User Story**	**U s**	**Story Points**	**Prio rity**	**Team Memb**

Sprint-4	Project Kit Simulation	US	As a User, I Can View the LED light glow and	3	Hi	5
Sprint-4	Project Kit Simulation	US	As a User, I can Press the Button when I feel	3	Hi	5

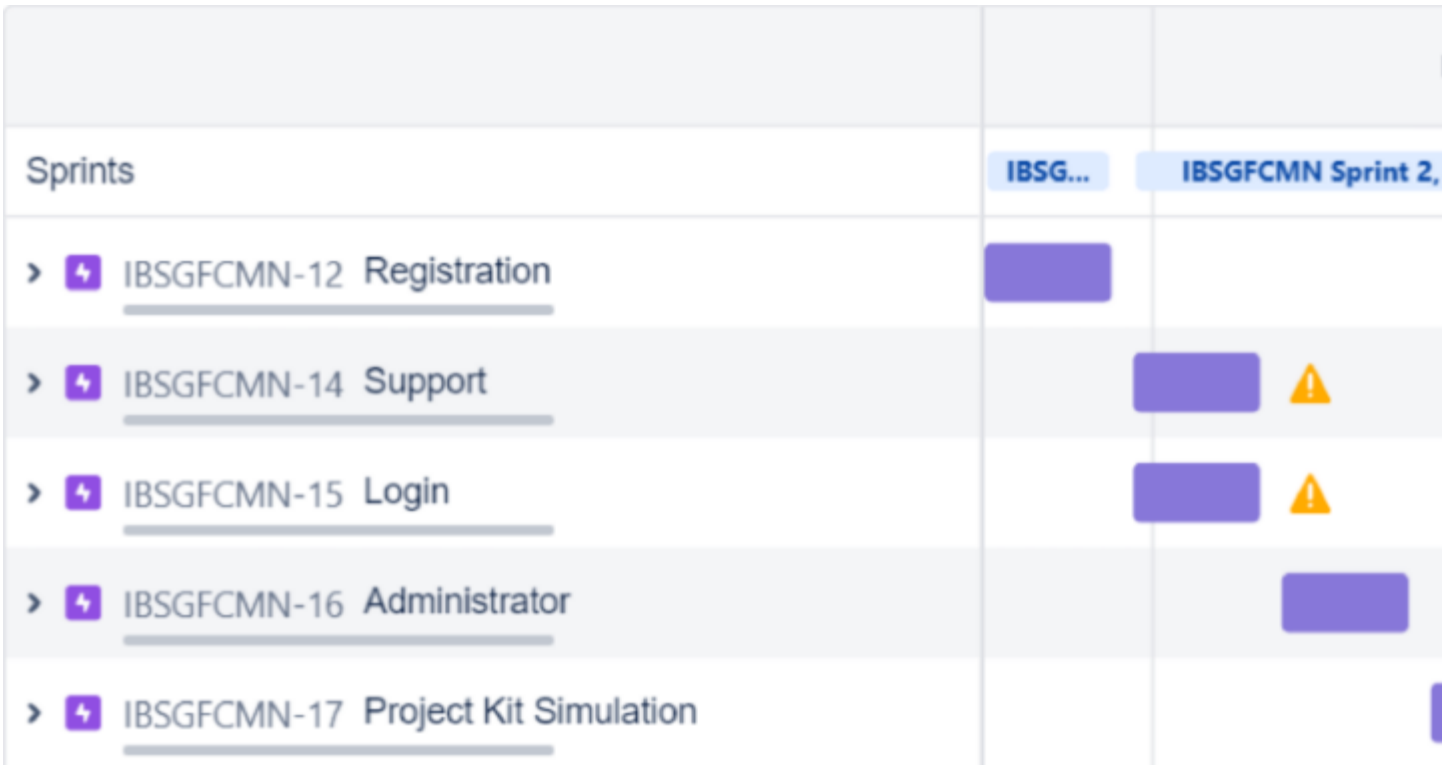
Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed (as on Planned	Sprint Release Date
Sprint-1	20	6 Day	24 O	29 O	20	29
Sprint-2	20	6 Day	31 O	05 No	20	05
Sprint-3	20	6 Day	07 No	12 No	20	12
Sprint-4	20	6 Day	14 No	19 No	20	14

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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$



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.