

### **ProjectPlanningPhase**

#### **ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)**

<i>Date</i>	22 Nov 2022
<i>TeamID</i>	PNT2022TMID51289
<i>ProjectName</i>	SMARTSOLUTIONFORRAILWAYS
<i>MaximumMarks</i>	4Marks

#### **ProductBacklog,SprintSchedule,andEstimation(4Marks)**

Use the below template to create product backlog and sprint schedule

<b>sprints</b>	<b>fuctional Requirements (Epic)</b>	<b>User Story Number</b>	<b>UserStory/Task</b>	<b>Story point</b>	<b>Priority</b>	<b>Teammembers</b>
<i>Sprint-1</i>	<i>Ticket reservation usingQRcode</i>	<i>USN-1</i>	<i>Theusercanreserveforthe applicationbyenteringtheuser registeredemailid,password,and confirmingpassword.</i>	<i>1</i>	<i>High</i>	<i>Glady</i>
<i>Sprint-1</i>	<i>Ticket reservation usingQRcode</i>	<i>USN-2</i>	<i>Theuserwillreceieveconfirmation emailoncetheuserhaveregistered fortheapplication.</i>	<i>1</i>	<i>High</i>	<i>Jeril Selciya Saranya</i>
<i>Sprint-2</i>	<i>Ticket reservation usingQRcode</i>	<i>USN-3</i>	<i>Theusercanreservedforthe applicationthroughFacebook.</i>	<i>1</i>	<i>Low</i>	<i>Shajeena James</i>
<i>Sprint-1</i>			<i>Theuserwillseethellogin page.usercanenteringemail&amp;</i>	<i>2</i>	<i>High</i>	<i>Shajee</i>

<i>sprints</i>	<i>fuctional Requirements (Epic)</i>	<i>User Story Number</i>	<i>UserStory/Task</i>	<i>Story point</i>	<i>Priority</i>	<i>Teammembers</i>
	<i>Check schedule</i>	<i>USN-4</i>	<i>password.</i>			
<i>Sprint-3</i>	<i>Seats available</i>	<i>USN-5</i>	<i>Theusercanchecktogetseats available.</i>	<i>1</i>	<i>Medium</i>	<i>Glady Jeril Saranya</i>
<i>Sprint-4</i>	<i>Reserving ticket</i>	<i>USN-6</i>	<i>Enterthedetailsandclicksubmit buttontobookticket</i>	<i>1</i>	<i>High</i>	<i>Glady Selciya Jeril</i>
<i>sprint-4</i>	<i>Vendor</i>	<i>Admin</i>	<i>Theataisgivenbytheuser.</i>	<i>1</i>	<i>High</i>	<i>Glady Saranya Jeril Selciya</i>
<i>Sprint-1</i>	<i>Payment services</i>	<i>USN-7</i>	<i>Theusercanchoosetopaythrough creditcard/debitcard/UPIcode.</i>	<i>1</i>	<i>High</i>	<i>Glady Shajeena Jeril Selciya</i>
		<i>USN-8</i>	<i>theuserwillberedirecteditothe selectedpaymentgatewayand</i>		<i>High</i>	

<b>sprints</b>	<b>fuctional Requirements (Epic)</b>	<b>User Story Number</b>	<b>UserStory/Task</b>	<b>Story point</b>	<b>Priority</b>	<b>Teammembers</b>
			uponsuccessfulcompletionof paymenwillberedirecteditothe bookingwebsite.	2		
Sprint-2	Answerthe queries	USN-9	Theuserwillanswerthe queries/doubtsraisedbythe customers.	1	Medium	Glady Saranya Jeril

### ***ProjectPlanningPhase***

#### ***ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)***

#### ***ProjectTracker,Velocity&BurndownChart:(4Marks)***

<b>Sprint</b>	<b>TotalStory Points</b>	<b>Duration</b>	<b>SprintStart Date</b>	<b>SprintEnd Date (Planned)</b>	<b>StoryPoints Completed (ason PlannedEnd Date)</b>	<b>Sprint Release Date (Actual)</b>
<b>Sprint-1</b>	<b>20</b>	<b>6Days</b>	<b>24Oct2022</b>	<b>29Oct2022</b>	<b>20</b>	<b>29Oct2022</b>

<i><b>Sprint-2</b></i>	<i><b>20</b></i>	<i><b>6Days</b></i>	<i><b>31Oct2022 5Nov2022 20</b></i>		<i><b>4Nov2022</b></i>
<i><b>Sprint-3</b></i>	<i><b>20</b></i>	<i><b>6Days</b></i>	<i><b>7Nov2022 12Nov2022 20</b></i>		<i><b>12Oct2022</b></i>
<i><b>Sprint-4</b></i>	<i><b>20</b></i>	<i><b>6Days</b></i>	<i><b>14Nov2022 19Nov2022 20</b></i>		<i><b>19Oct2022</b></i>

### ***Velocity:***

***Imagine we have a 10-days 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)***

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

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### ***BURNDOWN CHART:***

BURNDOWN CHART				
Particular	Days	Planned	Actual	Velocity
sprint-1	24-29 OCT 2022	6	6	1
sprint-2	31 OCT-05 NOV 22	6	5	1.2
sprint-3	07-12 NOV 2022	6	6	1
sprint-4	14-19 NOV 2022	6	5	1.2

