**Project Planning Phase**

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

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| --- | --- |
| Date | 18 October 2022 |
| Team ID | PNT2022TMID07849 |
| Project Name | Project - Inventory Management System For Retailers |
| Maximum Marks | 8 Marks |

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-1 | Registration | USN-1 | As a user, I can register by entering my email Id, password, and confirming my password. | 5 | High | Vimalraj D |
| Sprint-1 | USN-2 | As a user, I will receive a confirmation email once I have registered for the application | 4 | Medium | Praveenkumar S |
| Sprint-1 | USN-3 | As a user, I can register for the application through  Facebook | 3 | Low | Veerammal S |
| Sprint-1 | USN-4 | As a user, I can register for the application through a Google account | 4 | Medium | Priyaranjan K |
| Sprint-1 | Login | USN-5 | As a user, I can log in into the application by entering email id & password | 4 | Medium | Venkatesh Kumar B |
| Sprint-2 | USN-6 | As a user, I can log in into the application by using google account. | 5 | High | Priyaranjan K |
| Sprint-2 | USN-7 | As a user, I can log in to the application by using  Facebook | 3 | Low | Vimalraj D |
| Sprint-2 | Dashboard | USN-8 | As a User, I can view the In stock count details. | 5 | High | Venkatesh Kumar B |
| Sprint-2 | USN-9 | As a User, I can view the low stock count details. | 5 | High | Veerammal S |
| Sprint-2 | USN-10 | As a User, I can view the high-demand product count details. | 4 | Medium | Praveenkumar S |
| Sprint-3 | USN-11 | As a User, I can view recently added product detail. | 4 | Medium | Priyaranjan K |

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| --- | --- | --- | --- | --- | --- | --- |
| **Sprint** | **Functional**  **Requirement (Epic)** | **User Story**  **Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| Sprint-3 |  | USN-12 | As a User, I can view recently sold product information. | 3 | Medium | Vimalraj D |
| Sprint-3 | USN-13 | As a User, I can view recently purchased customer detail. | 5 | High | Venkatesh Kumar B |
| Sprint-3 | Products | USN-14 | As a User , I can able to see all product name, price and quantity | 4 | Medium | Praveenkumar S |
| Sprint-3 | Peoples | USN-15 | As a User , I can able to see all users and customer details | 4 | Medium | Veerammal S |
| Sprint-4 | Reports | USN-16 | As a User, I can see all product count in form of graph | 5 | High | Praveenkumar S |
| Sprint-4 | Sendgrid Integration | USN-17 | As a User, I can send the email alert on low product | 5 | High | Priyaranjan K |
| Sprint-4 | IBM Watson Integration | USN-18 | As a User, I can ask any queries to developer of application | 3 | Low | Veerammal S |
| Sprint-4 | Documentation | USN-19 | As a user I can refer the documentation for features of application | 4 | Medium | Venkatesh Kumar B |
| Sprint-4 | USN-20 | As a user I can view a demo video of website | 3 | Low | Vimalraj D |

**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 | 24 Oct 2022 | 29 Oct 2022 |  |  |
| Sprint-2 | 20 | 6 Days | 31 Oct 2022 | 05 Nov 2022 |  |  |
| Sprint-3 | 20 | 6 Days | 07 Nov 2022 | 12 Nov 2022 |  |  |
| Sprint-4 | 20 | 6 Days | 14 Nov 2022 | 19 Nov 2022 |  |  |

**Velocity:**

Sprint Duration : 6 Days

Velocity of the Team : 20 (points per sprint) Team’s Average Velocity :

𝐴𝑉 = 𝑠𝑝𝑟𝑖𝑛𝑡𝑣𝑒𝑙𝑜𝑐𝑖𝑡𝑦 𝑑𝑢𝑟𝑎𝑡𝑖𝑜𝑛 = 206 = 3. 33 story points per day

**Burndown Chart:**

The Graphical representation of **Work left to do** versus **Time :**

