# Project Planning Phase Project Planning (Product Backlog, Sprint Planning, Stories, Story points)

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| ***Date*** | 06 November 2022 |
| ***Team ID*** | PNT2022TMID25832 |
| ***Project Name*** | Smart Solutions for Railways |
| ***Maximum Marks*** | 8 Marks |

***MILESTONE AND ACTIVITY LIST***

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| **S.NO** | **Milestone** | **Activities** | **Start** | **Finish** | **Status** |
| 1. | IBM Cloud Service | Create an IBM account | 22/8/22 | 27/8/22 | Complete |
|  | * Prerequisites |  | 22/8/22 | 27/8/22 | Complete |
|  | * MIT App Inverter | Sign up for MIT App Inventor for  Creating Apps | 22/8/22 | 27/8/22 | Complete |
|  | * Create an account in Fast2sms dashboard | Create an Account in Fast2sms | 22/8/22 | 27/8/22 | Complete |
|  | * Software | Install Python IDLE 3.7.0 | 22/8/22 | 27/8/22 | Complete |
| 2. | Project Objective | Prepare the Project Objective | 22/8/22 | 27/8/22 | Complete |
| 3. | Create and Configure IBM Cloud Services |  | 3/10/22 | 19/10/22 | Complete |
|  | * Create a IBM Watson IOT Platform and a Device | Create a IBM Watson IOT Platform and a Device | 3/10/22 | 10/10/22 | Complete |
|  | * Create Node RED Service | Create Node RED Service | 10/10/22 | 19/10/22 | Complete |
| 4. | Develop a Python Script | Develop a Python Code | 12/10/22 | 19/10/22 | In Progress |
| 5. | Build a Web Application Using Node-RED Service | Build a Web Application Using Node -  RED Service | 22/8/22 |  | In Progress |
| 6. | Develop a Mobile Application | Develop a Mobile Application | 22/8/22 |  | In Progress |
| 7. | Ideation Phase |  | 29/8/22 | 17/9/22 | Complete |
|  | * Literature Survey | Literature Survey on the Selected Project &  Information Gathering | 29/8/22 | 3/9/22 | Complete |
|  | * Empathy Map | Prepare Empathy Map Capture the User’s Pain & Gain , Prepare List of Problem  Statement | 5/9/22 | 10/9/22 | Complete |
|  | * Ideation | List the Ideas by Organizing the Brainstorming Session &  Importance | 12/9/22 | 17/9/22 | Complete |
| 8. | Project Design Phase-I |  | 12/9/22 | 1/10/22 | Complete |
|  | * Proposed Solution | Prepare the Proposed Solution document , Which includes the Novelty , feasibility of idea , Business Model ,  Social impact etc.. | 12/9/22 | 17/9/22 | Complete |
|  | * Problem Solution Fit | Prepare Problem – Solution fit document | 26/9/22 | 1/10/22 | Complete |
|  | * Solution Architecture | Prepare Solution Architecture | 26/9/22 | 1/10/22 | Complete |
| 9. | Project Design Phase-II |  | 3/10/22 | 15/10/22 | Complete |
|  | * Customer Journey | Prepare the Customer Journey Maps to understand the user interaction & experience  with the application | 3/10/22 | 15/10/22 | Complete |
|  | * Functional Requirement | Prepare the Functional Requirement  Document | 10/10/22 | 15/10/22 | Complete |
|  | * Data Flow Diagram & User Stories | Prepare the Data Flow Diagram Document & User Stories | 10/10/22 | 15/10/22 | Complete |
|  | * Technology Architecture | Prepare Technology Architecture of the  Solution | 10/10/22 | 15/10/22 | Complete |
| 10. | Project Planning Phase |  | 17/10/22 | 22/10/22 | Complete |
|  | * Prepare Milestone & Activity List | Prepare Milestone & Activity List | 17/10/22 | 22/10/22 | Complete |
|  | * Sprint Delivery Plan | Prepare Sprint Delivery Plan | 17/10/22 | 22/10/22 | Complete |
| 11. | Project Development Phase |  | 24/10/22 | 19/11/22 | In Progress |
|  | * Delivery of Sprint-1 | Attend the AMA/ Expert Session -1, Project Development  -Delivery of Sprint -1 | 24/10/22 | 29/10/22 | In Progress |
|  | * Delivery of Sprint-2 | Attend the AMA/ Expert Session -2, Project Development  -Delivery of Sprint -2 | 31/10/22 | 5/11/22 | In Progress |
|  | * Delivery of Sprint-3 | Attend the AMA/ Expert Session -3, Project Development  -Delivery of Sprint -3 | 7/11/22 | 10/11/22 | In Progress |
|  | * Delivery of Sprint-4 | Attend the AMA/ Expert Session -4, Project Development  -Delivery of Sprint -4 | 10/11/22 | 12/11/22 | In Progress |