***Project Planning Phase***

*Project Planning Template*

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

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| ***Date*** | 06 November 2022 |
| ***Team ID*** | PNT2022TMID26022 |
| ***Project Name*** | Smart Solutions for Railways |
| ***Maximum Marks*** | 8 Marks |

*MILESTONE AND ACTIVITY LIST:*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 PythonIDLE3.7.0 | 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 |