

MILESTONE ANDACTIVITY LIST

| | |
|---------------|-----------------------------|
| Date | 02 November 2022 |
| Team ID | PNT2022TMID18193 |
| Project Name | SMART SOLUTION FOR RAILWAYS |
| Maximum Marks | 4 Marks |

MILESTONE

| | | | |
|--------------------------------|------|---|-----|
| Pre-Requisites | M-01 | To complete this project, we require the knowledge of python scripting and IBM cloudant | Yes |
| Creation of IBM cloud account | M-02 | This is an essential part of the project which requires the creation of IBM cloud account | Yes |
| Creation of IBM Watson account | M-03 | This is an IBM Watson platform for IoT enabled device testing which is used for mounting GPS coordinates and QR details | Yes |
| Development of python Script | M-04 | Developing python script for getting GPS co ordinates and for generating QR code for passengers is needed | Yes |

| | | | |
|------------------------------|------|--|-----|
| Creation of Node Red account | M-05 | This is an important part of the IBM project for creating applications using Node Red | Yes |
| Development of Node Red App | M-06 | Developing Node Red app for running this project is required | Yes |
| Ideation Phase | M-07 | Prepare Literature Survey on the selected Project and InformationGathering, empathy map and ideation | Yes |
| Project Design Phase-I | M-08 | Prepare Proposed solution, problem-solution fit and Solution Architecture | Yes |
| Project Design Phase-II | M-09 | Prepare Customer journey, functional requirements, Data flow diagram and Technology Architecture | Yes |
| Project Planning Phase | M-10 | Prepare Milestone list, Activity list and Sprint Delivery Plan | Yes |
| Project Development Phase | M-11 | Project Development delivery of Sprint 1, Sprint 2, Sprint 3, Sprint 4 | Yes |

ACTIVITY LIST

| Activity Number | Activity | Sub Activity | Assigned To | Status |
|-----------------|--------------------------------|--|-------------------|-------------|
| 1. | PRE-REQUISITES | | All Members | Completed |
| 2. | CREATION OF IBM CLOUD ACCOUNT | | All Members | Completed |
| 3. | CREATION OF IBM WATSON ACCOUNT | | All Members | Completed |
| 4. | DEVELOPMENT OF PYTHON SCRIPT | 4.1 Python Script for GPS coordinates | Vishnu Pradeesh N | In progress |
| | | 4.2 Python Script for QR code generation | Santhosh Raj R | In progress |
| 5. | CREATION OF NODE RED ACCOUNT | | All Members | Completed |
| 6. | DEVELOPMENT OF NODE RED APP | | Santhosh Raj R | In Progress |
| 7. | IDEATION PHASE | 7.1 Literature Survey | Ruba Lawrence A | Completed |
| | | 7.2 Empathy Map | Sivasubash S S | Completed |

| | | | | |
|-----|----------------------------|-------------------------------------|--------------------------------------|-------------|
| | | 7.3 Brainstorm | Vishnu Pradeesh N, Santhosh Raj R | Completed |
| 8. | PROJECT DESIGNPHASE-I | 8.1 Proposed Solution | Santhosh Raj R | Completed |
| | | 8.2 Problem Solution fit | Vishnu Pradeesh N | Completed |
| | | 8.3 Solution Architecture | Santhosh Raj R, Vishnu Pradeesh N | Completed |
| 9. | PROJECT DESIGN PHASE-II | 9.1 Customer journey | Santhosh Raj R, Vishnu Pradeesh N | Completed |
| | | 9.2 Functional requirements | Santhosh Raj R, Vishnu Pradeesh N | Completed |
| | | 9.3 Data flow | Santhosh Raj R, Vishnu Pradeesh N | Completed |
| | | 9.4 Technology Architecture | Santhosh Raj R, Vishnu Pradeesh N | Completed |
| 10. | PROJECT PLANNING | 10.1 Milestone and Activity list | Ruba Lawrence A | In Progress |

| | | | | |
|-----|--------------------------|---------------------------|-------------------|-------------|
| | PHASE | 10.2 Sprint Delivery Plan | Sivasubash S S | In Progress |
| 11. | PROJECT DEVELOPMENTPHASE | 11.1 Sprint 1 | Santhosh Raj R | In Progress |
| | | 11.2 Sprint 2 | Vishnu Pradeesh N | In Progress |
| | | 11.3 Sprint 3 | Ruba Lawrence A | In Progress |
| | | 11.4 Sprint 4 | Sivasubash S S | In Progress |