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| Date | 19September2022 |
| TeamID | PNT2022TMID06413 |
| Name | DHARNI DHARAN A |
| ProjectName | Project–Real-TimeRiverWaterQuality  MonitoringandControlSystem |

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| **MILESTONES** | **TASKS** | **NAME OF THESTUDENTS WHO DONETHETASK** |
| * Pre-requisites * ProjectObjective | 1. IBMCloudservices 2. Software | Dharani Dharan , Kavinprasad , Ganesh Kumar , Ganeshan , Tamizhan |
| * Create AndConfigureIBM CloudServices | 1. Create IBM Watson IOTPlatform AndDevice 2. CreateNode-REDService | Dharani Dharan , Kavinprasad , Ganesh Kumar , Ganeshan , Tamizhan |
| * Develop thepythonScrip | 1. DevelopapythonScrip 2. Publish Data to the IBMCloud | Dharani Dharan , Kavinprasad , Ganesh Kumar , Ganeshan , Tamizhan |

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| * Develop AwebApplicationUsing Node-REDService | 1. Develop the WebApplication Using Node-RED 2. UseDashboard NodesforCreatingUI(WebApp) 3. Create an HTTP requeststoCommunicatewith   MobileApp | Dharani Dharan , Kavinprasad , Ganesh Kumar , Ganeshan , Tamizhan |
| * BuildingMobileApp | 1. Design Your UI ToDisplay the WaterTurbidity,PHValues 2. Configure the ApplicationTo Receive the Data FromCloud 3. Configure the Mobile AppFor Controlling Motorusing Buttons | Dharani Dharan , Kavinprasad , Ganesh Kumar , Ganeshan , Tamizhan |
| * IdeationPhase | 1. Literature Survey on theSelected Project&InformationGathering 2. PrepareEmpathyMap 3. Ideation | Dharani Dharan , Kavinprasad , Ganesh Kumar , Ganeshan , Tamizhan |
| * ProjectDesignPhase-I | 1. ProposedSolution 2. PrepareSolutionFit 3. SolutionArchitecture | Dharani Dharan , Kavinprasad , Ganesh Kumar , Ganeshan , Tamizhan |

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| * ProjectDesignPhase-II | 1. CustomerJourney 2. FunctionalRequirement 3. DataFlowDiagram 4. TechnologyArchitecture | Dharani Dharan , Kavinprasad , Ganesh Kumar , Ganeshan , Tamizhan |
| * ProjectPlanningPhase | 1. PrepareMilestone& 2. ActivityList 3. SprintDeliveryTime | Dharani Dharan , Kavinprasad , Ganesh Kumar , Ganeshan , Tamizhan |
| * ProjectDevelopmentPhase | 1. Project DevelopmentDeliveryofSprint1 2. ProjectDevelopmentDeliveryofSprint2 3. ProjectDevelopmentDeliveryofSprint3 4. ProjectDevelopmentDeliveryofSprint4 | Dharani Dharan , Kavinprasad , Ganesh Kumar , Ganeshan , Tamizhan |

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| **S.No** | **Activitytitles** | **Activitydispersion** | **Duration** |
| **1** | **Understandingtheprojectrequirement** | Assign the teammembers and createrepository in theGithub, Assign thetask toeachmembers and teachhowtouseandopenand class the GithubandIBMcareer  education. | 1week |
| 2 | startingofproject | Advicestudentstoattendclasses of | 1week |

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|  |  | IBM portal createand developanroughdiagrambasedon projectdescription andgatherofinformation on IOTand IBM project andteam leader assigntasktoeachmember  oftheproject |  |
| 3 | Attendthetrainingsessions | Team members andteam lead mustwatch and learnfrom classesprovided by IBMandNALAYATHIRAN  and must gain accessof MIT license fortheirproject. | 4 week |
| 4 | Budget and scope of theproject | Budget and analysethe use of IOT in theproject and discusswith team for budgetpredictiontopredict  the favourability forthecustomertobuy | 4Week |