Jayam College of Engineering And Technology Dharmapuri - 636813

Department of Computer Science

IBM Naan Mudhalvan – Task Assignment

Team ID: NM2023TMID13277

SB8040 - Professional Readiness for Innovation, Employability and Entrepreneurship

Project Domain: Artificial Intelligence :: Project Title: Intelligent Garbage Classification using Deep learning

https://github.com/naanmudhalvan-SI/IBM--8781-1682572477

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| Team Members | |  | Industry Mentor(s) Name |
| Register No | Name | P Sai Manish, Anwar |
| 611020104005 | BHARGAV M (Team Leader) |  |
| 611020104321 | SURIYA PRAKASH L |  |
| 611020104306 | BALAJI B | Faculty Mentor |
| 611020104320 | SIVA KUMAR V | Manjupriya (Assistant Professor) |
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| Milestones | Activities | Members In charge |
| Setting up application environment | Create Flask project | BHARGAV M,SURIYA PRAKASH L,BALAJI B,SIVA KUMAR V |
| Create IBM Cloud Account |
| Install IBM Cloud CLI |
| Docker CLI Installation |
| Create an account in Sendgrid |
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| Implementing Web Application | Create UI to interact with application | BHARGAV M,SURIYA PRAKASH L,BALAJI B,SIVA KUMAR V |
| Create IBM DB2 and connect with python |
| Integrate Rapid API |
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| Deployment of App in IBM Cloud | Containerize the app | BHARGAV M,SURIYA PRAKASH L,BALAJI B,SIVA KUMAR V |
| Upload Image to IBM Container Registry |
| Deploy in Kubernetes Cluster |

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| Ideation phase | Literature survey on the selected project & Information Gathering | BHARGAV M,SURIYA PRAKASH L,BALAJI B,SIVA KUMAR V |
| Prepare Empathy Map | BHARGAV M,SURIYA PRAKASH L,BALAJI B,SIVA KUMAR V |
| Ideation | BHARGAV M,SURIYA PRAKASH L,BALAJI B,SIVA KUMAR V |
| Project Design Phase – I | Proposed Solution | BHARGAV M,SURIYA PRAKASH L,BALAJI B,SIVA KUMAR V |
| Problem Solution Fit | BHARGAV M,SURIYA PRAKASH L,BALAJI B,SIVA KUMAR V |
| Solution Architecture | BHARGAV M,SURIYA PRAKASH L,BALAJI B,SIVA KUMAR V |
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| Project Design Phase -II | Customer Journey | BHARGAV M,SURIYA PRAKASH L |
| Functional Requirement | BALAJI B,SIVA KUMAR V |
| Data flow diagrams | SIVA KUMAR V |
| Technology Architecture | BHARGAV M,SURIYA PRAKASH L |
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| Project Planning Phase | Prepare Milestone & Activity List | BHARGAV M,SURIYA PRAKASH L |
| Sprint Delivery Plan | BALAJI B,SIVA KUMAR V |
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| Project Development Phase | Project Development - Delivery -1 | BHARGAV M,SURIYA PRAKASH L |
| Project Development - Delivery -2 | BALAJI B,SIVA KUMAR V |
| Project Development - Delivery -3 | SIVA KUMAR V |
| Project Development - Delivery -4 | BHARGAV M,SURIYA PRAKASH L |