WEEKLY STATUS REPORT

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| **Reporting period:** | **03/11/2022 to 09/11/2022** | **Project title:** | **Faster & Smarter Disease Prediction** |
| **Date of report:** | **11/11/2022** | **Report author:** | **Amit Sharma** |

STATUS SUMMARY

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| --- | --- | --- | --- | --- |
| **Narrative Summary of** **Status** | **Schedule:** | **GREEN** | **Overall:** | **GREEN** |

PROJECT MILESTONE STATUS REVIEW

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| **Project Milestones** | **Status** | **Baseline Completion Date** | **Expected Completion Date** | **Issues Exist (Yes/No)** |
| *Planning Phase* | **Finished** | 12/10/2022 | 12/10/2022 | No |
| *Development and Execution* | **In Progress** | 19/11/2022 | 2/12/2022 | Yes |
| *Presentation and closing* | Not Started |  |  |  |

PLANNED ACTIVITIES AND ACCOMPLISHMENTS

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| ***Accomplishments this Week:*** |
| * *Selection for Multiple Classification models -* ***Completed*** * *Working on the first Algorithm (Decision Tree) –* ***Completed*** * *Including Deep learning and other algorithms -* ***In Progress*** * *Started working on initial Data grouping in Tableau -* ***In Progress*** * *Finalize the Template for the algorithm and set the measuring parameters for quality-* ***In Progress*** |

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| ***Planned Actions for Next Week:*** |
| * *Regrouping the data into broader disease categories* * *Start with Tableau graphs and One page of Dashboard* * *Start working on the Documentation and Presentation* |

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| Darshan Patel | Rajan Atulkumar Patel | Urali Virajsinh Rana | Amit Sharma |
| (0789282) | (0789953) | (0789945) | (0794488) |

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PROJECT ISSUES SUMMARY

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| ***Priority*** | ***Issue Description*** | ***Impact Summary (Milestone, Schedule Scope, Resources, Space…)*** | ***Action Steps/Resolutions*** |
| Medium | **Date Field/Seasons - Data Engineering** | Better grouping of data and bigger buckets for classification | Season dates of 2022 is used to categorize the data |
| Medium | **Algorithms showing lower Accuracy rates** | 2 algorithms (logistic and SVC) both showing very low accuracy, this leading to addition of XG Boost into the list | Adding XG Boost as a new algorithm and exploring Deep learning |

Team Contributions

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| ***Team members*** | ***Responsibility and work*** | ***Next steps*** |
| **Urali Rana and Amit Sharma** | Decide on XG Boost – and analysis of the existing algorithm, also seeing Deep learning as one of the options | Categorizing the disease categories into a broader category |
| **Darshan Patel and Rajan Patel** | Tableau work and initial graphs |  |

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