PROJECT DIARY ON LUNGS CANCER PREDICTION SYSTEM

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| SNO. | DATE | DESCRIPTION | SIGNATURE OF FACULTY |
| 1. | 25-01-2024 to 1-02-2024 | Research and Planning |  |
| 2. | 1-02-2024 to 8-02-2024 | Define project goals and requirements |  |
| 3. | 8-02-2024 to 15-02-2024 | Determine the dataset requirements and acquire the necessary data sources |  |
| 4. | 15-02-2024 to 18-02-2024 | Plan the architecture and technology stack for the prediction system |  |
| 5. | 18-02-2024 to 20-02-2024 | Gather data from various sources such as medical databases, research studies, and public datasets |  |
| 6. | 20-02-2024 to 23-02-2024 | Clean the data to remove duplicates, inconsistencies, and errors |  |
| 7. | 24-02-2024 to 26-02-2024 | Split the dataset into training, validation, and testing sets |  |

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| 8. | 26-02-2024 to 27-02-2024 | Experiment with different machine learning algorithms such as logistic regression, decision trees, random forests, support vector machines, and neural networks |  |
| 9. | 28-02-2024 to 29-02-2024 | Select the best-performing model based on evaluation metrics such as accuracy, precision, recall, and F1 score |  |
| 10. | 1-03-2024 to 4-03-2024 | Model Evaluation and Validation |  |
| 11. | 5-03-2024 to 8-04-2024 | Coding and testing |  |
| 12. | 8-04-2024 to 10-04-2024 | Test the integrated system for functionality, usability, and performance |  |
| 13. | 11-04-2024 to 12-04-2024 | Address any issues or bugs that arise post-deployment |  |
| 14. | 13-04-2024 to 14-04-2024 | Provide ongoing support and maintenance to ensure the system remains effective and up-to-date |  |