**ST. FRANCIS INSTITUTE OF TECHNOLOGY**

Mt. Poinsur, Borivali (W), Mumbai

**Department of Computer Engineering**

Class BE CMPN Semester :VIII Academic :2021-22

| **TITLE OF PROJECT: Covid Companion**  **DOMAIN: Intelligent Systems** | | | | | | |
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| **Name of the Group Members**   | 1. Rishika Ahuja | 1. Ann Zachriah | | --- | --- | | 1. Aishwarya John | 1. Anashwara Kurien | | | | | **Name of the Project Guide**  **Mrs. Jayashri Mittal** | | |
| **Week**  **No.** | **Date**  **&**  **Time** | **Description of Activity given by Project guide** | **Remarks** | **Status** | **Signature of Internal Project Guide** | **Signature of Group Members** |
| 1 | 27 Aug  10 pm | We were given the task of searching a dataset for our project. |  | Completed |  |  |
| 2 | 6 Sept  10 pm | We found 4 papers relevant to our project and also found the dataset from one of the papers. |  | Completed |  |  |
| 3 | 17 Sept  10 pm | We started with the white book and literature survey where we added all the relevant information and also finalised the dataset for our project. |  | Completed |  |  |
| 4 | 27 Sept  10 pm | We selected the PCA algorithm for extraction of relevant features from the dataset and the null values from the dataset were padded with zeros.  Chapter 6 of the white book was started. |  | Completed |  |  |
| 5 | 27 Oct  10 pm | We decided on implementing logistic regression as well as LSTM and then going ahead with the algorithm that gives maximum efficiency. For accuracy we have decided to go with a classification report and confusion matrix. |  | Completed |  |  |

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| 6 | 10 Jan  8 am | We started with data preprocessing. Few scales were reversed. |  | Completed |  |  |
| 7 | 17 Jan  8 am | We finalized our questionnaire to ask the end user. |  | Completed |  |  |
| 8 | 31 Jan  8 am | We selected Neural Networks to train our model and started with the training. |  | Completed |  |  |
| 9 | 14 Feb  8 am | The model continued to be trained and meanwhile work on the front end started. |  | Completed |  |  |
| 10 | 28 Feb  8 am | Front end modules such as music recommendation system, workout recommendation system, quote generator were completed. The model gave an accuracy of 69% and we were asked to further improve it by training it on more epochs. |  | Completed |  |  |
| 11 | 14 Mar  8 am | The final accuracy of the model was obtained as 75% and static web pages for the UI were made ready. |  | Completed |  |  |
| 12 | 4 Apr  8 am | The backend and frontend have to be connected using Flask. |  | Completed |  |  |