PROJECT IMPLEMENTATION PLAN

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| Sr. | Milestone Detail | | Outcome | | Project % | | Roll # | | Member’s Contribution | | Learning Outcome | | Viva |
| 1 | Create Graphical User Interface(GUI) using python | | Work on an interface of application that how its look like.But further ,changes can be done according to our need and requirements. | | 10% | | BSCS-F16-LC-092 | | 100% | | How to install packages which are necessary for project. | |  |
| BSCS-F16-LC-064 | | 100% | | How to create new window on the screen. | |  |
| BSCS-F16-LC-147 | | 100% | | By using frames we can adjust our elements on the screen. | |  |
| 2 | Input image to system,Gray Scaling of images ( Part 1 ) | | Work on the functionality of the interface. | | 6% | | BSCS-F16-LC-092 | | 100% | | Adjusting the application screen in the center | |  |
| BSCS-F16-LC-064 | | 100% | | Work on frame and front end | |  |
| BSCS-F16-LC-147 | | 100% | | Work on front end | |  |
| 3 | Input image to system,Gray Scaling of images ( Part 2 ) | | Conversion of the color image into the gray image . | | 10% | | BSCS-F16-LC-092 | | 100% | | Uploading image in the frame | |  |
| BSCS-F16-LC-064 | | 100% | | Conversion of colored image into gray scale | |  |
| BSCS-F16-LC-0147 | | 100% | | Adjusting the resolution of the image | |  |
| 4 | User Interface Designing | | Make an Interface of application that it is planned | |  | | BSCS-F16-LC-092 | | 100% | | Screen for new user | |  |
| BSCS-F16-LC-064 | | 100% | | Updated screen | |  |
| BSCS-F16-LC-147 | | 100% | | Work on the back end of new screen | |  |
| 5 | Coding of project Implementation | | Work on the Face Recognition system. | |  | | BSCS-F16-LC-092 | | 100% | | Recognizing face in the image | |  |
| BSCS-F16-LC-064 | | 100% | | Recognition of other faces in the picture | |  |
| BSCS-F16-LC-147 | | 100% | | Working on which food is to suggest | |  |
| 6 | Error Checking | | Checking for the error which occur during the implementation . | |  | | BSCS-F16-LC-092 | | 33% | | Remove Errors from the system. | |  |
| BSCS-F16-LC-064 | | 33% | | Remove Errors from the system. | |  |
| BSCS-F16-LC-147 | | 33% | | Remove Errors from the system. | |  |
| 7 | Debugging/ measuring results and code improvements | | Debugging the error and check the result for measuring output. | |  | | BSCS-F16-LC-092 | | 33% | | Improvement in the code so that system work more efficiently | |  |
| BSCS-F16-LC-064 | | 33% | | Improvement in the code so that system work more efficiently | |  |
| BSCS-F16-LC-147 | | 33% | | Improvement in the code so that system work more efficiently. | |  |
| 8 | Learn Classifier | | How to make image classifier to our system | |  | | BSCS-F16-LC-092 | | 33% | | How to Extracting the information classes through analysis. | |  |
| BSCS-F16-LC-064 | | 33% | | How to Extracting the information classes through analysis. | |  |
| BSCS-F16-147 | | 33% | | How to Extracting the information classes through analysis. | |  |
| 9 | Make Image classifier to our application | | Process of taking an input  And outputting like a class. | |  | | BSCS-F16-LC-092 | | 100% | | To learn how to use image classification in the system. | |  |
| BSCS-F16-LC-064 | | 100% | | Classification model has predicted that the image has a high probability of representing the result. | |  |
| BSCS-F16-LC-147 | | 100% | | An image classification model is fed images and their associated labels. | |  |
| 10 | Label face in the image | | An image classification model is fed images and their associated labels. | |  | | BSCS-F16-LC-092 | | 33% | | Classification model can learn to predict whether new images belong to any of the classes. | |  |
| BSCS-F16-LC-064 | | 33% | | Classification model can learn to predict whether new images belong to any of the classes. | |  |
| BSCS-F16-LC-147 | | 33% | | Classification model can learn to predict whether new images belong to any of the classes. | |  |
| 11 | Control and handle image components | | Process of prediction is done by using inference. | |  | | BSCS-F16-LC-092 | | 100% | | Perform inference, an image is passed as input to a model | |  |
| BSCS-F16-LC-064 | | 100% | | Model output an array of probabilities between 0 and 1. | |  |
| BSCS-F16-LC-147 | | 100% | | Check on the working of inference. | |  |
| 12 | Create Database | | Check for the database to be used . | |  | | BSCS-F16-LC-092 | | 100% | | Choose the database on which work can be done. | |  |
| BSCS-F16-LC-064 | | 100% | | Installation of the software which is to be used. | |  |
| BSCS-F16-LC-147 | | 100% | | Test on it whether system can support or not . | |  |
| 13 | Connecting to software | | Connecting the application with the database. | |  | | BSCS-F16-LC-092 | | 100% | | Creating the database using software. | |  |
| BSCS-F16-LC-064 | | 100% | | Connect the database with the application. | |  |
| BSCS-F16-LC-0147 | | 100% | | Work for the connection of the database. | |  |
| 14 | Testing results/Error checking/Debugging. | | Check on the database connection and working. | |  | | BSCS-F16-LC-092 | | 100% | | Check the error in database. | |  |
| BSCS-F16-LC-064 | | 100% | | Check for the error in connection of database. | |  |
| BSCS-F16-LC-147 | | 100% | | Resolve the error occur in connection of database. | |  |
| 15 | Final testing to complete project requirement  ( Part 1 ) | | Test the application according to term and condition. | |  | | BSCS-F16-LC-092 | | 100% | | Check the working of the application. | |  |
| BSCS-F16-LC-064 | | 100% | | Some minor changes if required. | |  |
| BSCS-F16-LC-147 | | 100% | | Implement the changes if required. | |  |
| 16 | | Final testing to complete project requirement  ( Part 2 ) | | Product is released and real end users begin using it. | |  | | BSCS-F16-LC-092 | | 100% | | The **final** level, Acceptance **testing** (or User Acceptance **Testing**), is conducted to determine whether the system is ready for release. | | |  |
| BSCS-F16-LC-064 | | 100% | | The **final** level, Acceptance **testing** (or User Acceptance **Testing**), is conducted to determine whether the system is ready for release. | | |  |
| BSCS-F16-LC-147 | | 100% | | The **final** level, Acceptance **testing** (or User Acceptance **Testing**), is conducted to determine whether the system is ready for release. | | |  |
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