**Government Engineering College, Thrissur – 680009**

**Form AC 04 (01)**

| **PROJECT DAIRY** | | | | | |
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| **Department: Computer Applications** | | | **For the Year: 2022** | | |
| **Course/Branch & Batch/Year (or Semester)** | | | **MCA** | | |
| **Name of the Project:** | | | **Plant Leaf Disease Detection Using ResNet-50** | | |
| **Name of the industry where project is done (where applicable):** | | |  | | |
| **Project Guide (s):** | | | **Dr. Sminesh C N** | | |
|  | | |
| **Project coordinator:** | | | **Dr. Sminesh C N** | | |
| **Name & No of the student** | |  | | | |
| **AJAY JEEVAN JOSE (TCR21MCA-2004)** | | | |
| Action Plan: | | | | | |
| Sl. No. | Month/ week | Stages to be completed (to include up to submission of final report) | | Actual work completed (to be filled based on the progress) | Remarks/ Review by internal guide |
| 1 | Week 1  (Sep 12-21) | Search for project topic | | Topic selected |  |
|  |  | Study project topic | | Studied about the topic |  |
|  | 21/08/2022 | Abstract submission | | Completed |  |
| 2 | Week 2  (Sep 21-25) | Topic Approval | | Topic approved |  |
|  |  | Install jupyter notebook | | Completed |  |
|  |  | Identifying the dataset | | Completed |  |
| 3 | Week 3  (Sep 26-Oct 1) | Study tensorflow | | Studied tf |  |
|  |  | Study ResNet-50 | | Completed |  |
| 4 | Week 4  (Oct 2-8) | Setup Kaggle and Colab | | Completed |  |
|  |  | Preprocess Data | | Completed |  |
|  |  | Splitting Dataset | | Completed |  |
|  |  | Study Disease | | Studied about disease and its remedies |  |
| 5 | Week 5  (Oct 8-15) | Start training using ResNet-50 | | Completed |  |
| 6 | Week 6  (Oct 16-22) | Create csv file for disease classification and remedy recommendation | | Completed |  |
|  |  | Creating a testing environment | | Created a testing environment |  |
|  |  | Start Documentation | | Completed |  |
| 7 | Week 7  (Oct 23-30) | User Interface Design | | Completed |  |
| 8 | Week 8  (Nov 1-7) | U I Design | | Completed |  |
|  |  | Integration of the project | | Completed |  |
| 9 | Week 9  (Nov 8-14) | Documentation | | Completed |  |
|  |  | Submit Draft | | Completed |  |
|  |  | Final submit | | Completed |  |
|  |  | Final Testing | | Completed |  |
|  | 14/11/2022 | PROJECT COMPLETION | | Completed |  |

| **PROJECT DAIRY AC/04(01)** | | | | | | | |
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| Attendance/Regularity | | | | | | | |
| Date | STUDENT Roll Nos | | | | | |  |
|  |  |  |  |  |  | SIGNATURE OF GUIDE |
| Semester: S3 | | | | | | | |
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| 01/08/2022 | Present |  |  |  |  |  |  |
| 08/08/2022 | Present |  |  |  |  |  |  |
| 12/08/2022 | Present |  |  |  |  |  |  |
| 19/08/2022 | Present |  |  |  |  |  |  |
| 22/08/2022 | Present |  |  |  |  |  |  |
| 26/08/2022 | Present |  |  |  |  |  |  |
| 29/08/2022 | Present |  |  |  |  |  |  |
| 02/09/2022 | Present |  |  |  |  |  |  |
| 12/09/2022 | Present |  |  |  |  |  |  |
| 16/09/2022 | Absent |  |  |  |  |  |  |
| 19/09/2022 | Absent |  |  |  |  |  |  |
| 23/09/2022 | Present |  |  |  |  |  |  |
| 26/09/2022 | Present |  |  |  |  |  |  |
| 07/10/2022 | Present |  |  |  |  |  |  |
| 10/10/2022 | Present |  |  |  |  |  |  |
| 14/10/2022 | Present |  |  |  |  |  |  |
| 17/10/2022 | Present |  |  |  |  |  |  |
| 28/10/2022 | Present |  |  |  |  |  |  |
| 31/10/2022 | Present |  |  |  |  |  |  |
| 04/11/2022 | Present |  |  |  |  |  |  |
| 07/11/2022 | Present |  |  |  |  |  |  |
| 11/11/2022 | Present |  |  |  |  |  |  |
| 14/11/2022 | Present |  |  |  |  |  |  |
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| **PROJECT DAIRY AC/04(01)** | | | | |
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| Review feed back | | | | |
| Date | During presentation/ by Guide | Details of review or feedback | Actions planned against the feedback with target date (if necessary plan to be revised) | Approval by  Guide |
| 22/08/2022 | Zeroth Review | Study in detail about the topic | Studied the feasibility of the project |  |
| 22/09/2022 | First Review | Study about other papers in the topic, model creation. | Read other papers |  |
| 25/10/2022 | Second Review | Implementation of the front end | Web application implemented |  |
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