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PROJECT LOGBOOK

MCA SESSION 2023-25

### DEPARTMENT OF COMPUTER SCIENCE

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**PROJECT TITLE: FaceRec**

**WORKPLACE: Excellence Technology, Mohali**

**STUDENT DETAILS:**

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| --- | --- | --- | --- |
| **UNIVERSITY**  **ROLL NO.** | **Student Name** | **Mobile No.** | **Internship Duration** |
| 202301504127001 | Aditya Rana | 7018320718 | January-June 2025  (6 months) |

**SUPERVISOR DETAILS:**

|  |  |  |
| --- | --- | --- |
| **Supervisor Name** | **Designation** | **SIGNATURE** |
| Mr. Naresh Kumar |  |  |

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| 1. | JANUARY | WEEK 1 | History and Installation of Python (02/01/2025)  Python Properties, Variables, Datatypes, print(), type() (03/01/2025)  Data type, variable, print, input, count, len (06/01/2025)  Operators, Control Statements, Conditional Statements (07/01/2025) |  |
| WEEK 2 | if, else, elif, nested if else, practice questions (08/01/2025)  for loop and statements (09/01/2025)  while loop, practice questions, while true, in, not in (10/01/2025) |  |
| WEEK 3 | list, list functions, practice questions (15/01/2025)  tuple, set, functionalities, practice questions (17/01/2025)  Dictionary, Comprehension, Practice Questions (20/01/2025)  Python functions, parameters, and arguments, practice questions |  |
| WEEK 4 | Positional parameter, kw parameter, default parameter, variable length parameter, args, kwargs, practice questions (22/01/2025)  Lambda function, use cases, map, filter and reduce functions, practice questions (23/01/2025)  Partial functions, decorators and recursion (24/01/2025)  OOPs (27/01/2025)  Inheritance, practice questions (28/01/2025)  Hierarchical and hybrid inheritance, practice questions (29/01/2025) |  |
| 2. | FEBRUARY | WEEK 1 | Abstraction and Encapsulation (03/02/2025)  Polymorphism (04/02/2025)  Error and Exception Handling (06/02/2025)  Regular Expressions (07/02/2025) |  |
| WEEK 2 | Tkinter - Label (10/02/2025)  Tkinter - Grid (11/02/2025)  MySQL (12/02/2025)  Tkinter – Frame (13/02/2025)  Tkinter – Completed (14/02/2025) |  |
| WEEK 3 | Numpy Overview (17/02/2025)  Numpy – Indexing, Fancy Indexing, Boolean Indexing arange(), reshape(), flatten(), where() (19/02/2025)  Numpy CURD operations, replace (20/02/2025)  Numpy random, min(), max(), median(), mean(), sort, sum, dot, rand, choice, shuffle, unique, randint (21/02/2025) |  |
| WEEK 4 | Pandas Overview (24/02/2025)  Pandas Properties (25/02/2025)  Data Cleaning: Handle null cells in data set, dropna(), fillna(), Handle wrong data, cancel and remove duplicate records (27/02/2025)  Data Filteration (28/02/2025) |  |
| 3. | MARCH | WEEK 1 | Matplotlib: Overview, plot(), graph and chart (03/03/2025)  Matplotlib: Pie chart, bar chart, scatter chart (04/03/2025)  Practice Class (05/03/2025)  Matplotlib: Plot(), Subplot() (06/03/2025) |  |
| WEEK 2 | Seaborn (10/03/2025)  Plotly – Class 1 (11/03/2025)  Plotly – Class 2 (12/03/2025) |  |
| WEEK 3 | Plotly – Class 3 (17/03/2025)  Machine Learning: Overview (18/03/2025)  Simple Linear Regression Overview (20/03/2025)  Simple Linear Regression (21/03/2025) |  |
| WEEK 4 | Plotting (24/04/2025)  Function Building (25/03/2025)  Multi-Linear Regression (26/03/2025)  Polynomial Plotting (28/03/2025) |  |
| 4. | APRIL | WEEK 1 | Logistic Regression (01/04/2025)  Multi-Class classifier (02/04/2025)  Multiple Classifier and frontend (03/04/2025)  OpenCV (07/04/2025) |  |
| WEEK 2 | OpenCV and Model Training (09/04/2025)  OpenCV Project Complete (10/04/2025)  Unsupervised Clustering and K-Means Algorithm (11/04/2025)  K-Means Practical (12/04/2025)  K-Means Practical (14/04/2025) |  |
| WEEK 3 | K-Means Programs (15/04/2025)  K-Means Programs (16/04/2025)  K-Means Programs (17/04/2025)  K-Means Programs (18/04/2025) |  |
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| 6. | JUNE | WEEK 1 |  |  |
| WEEK 2 |  |  |
| WEEK 3 |  |  |
| WEEK 4 |  |  |

##### JANUARY

* **WEEK 1**

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| --- | --- |
| **WEEK (DATE)** |  |
| **COMPANY TIMING** | 10 AM – 7 PM (MONDAY TO FRIDAY) |
| **ACTIVITY/TASK** | Starting of the Project [Project name] |
| **TOPICS COVERED** |  |
|  |
| **EXPLANATION** |  |

* **WEEK -2**

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| --- | --- |
| **WEEK (DATE)** |  |
| **TIME** |  |
| **ACTIVITY/TASK** | Create a contact form for the users |
| **TOPICS COVERED** |  |
|  |
| **EXPLANATION** |  |