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|  | BHASKARACHARYA NATIONAL INSTITUTE FOR SPACE APPLICATIONS AND GEO-INFORMATICS  **WEEKLY PROGRESS REPORT (26/08/2024 – 02/09/2024)** |
| **WEEK 9** | |

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| PROJECT NAME | OBJECT DETECTION USING MACHINE LEARNING |

**IDENTIFYING AND LOCATING MULTIPLE OBJECTS WITHIN AN IMAGE OR VIDEO BY CLASSIFYING EACH OBJECT AND PREDICTING ITS BOUNDING BOX.**

**PROJECT DESCRIPTION :**

**Harsh Parate, Mohit Chauhan, Bhavik Gelotar**

**GROUP MEMBER :**

**24GD2**

**GROUP ID :**

**KRUTIKA CHASIYA**

**GROUP GUIDE :**

**SIDHDHARTH PATEL**

**GROUP COORDINATOR :**

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**KAMESHWAR BCA COLLEGE,**

**GUJARAT UNIVERSITY**

**COLLEGE NAME :**

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| 26/08/2024 | * Understand the Functionalities in Entity – Relationship Diagram and Make Entity-Relationship Diagram & Watch Videos Of Machine Learning Form NPTEL. (Harsh Parate, Mohit Chauhan & Bhavik Gelotar) |
| 27/08/2024 | * **Understand What is Data Dictionary and Make Data Dictionary for Object Detection. (Harsh Parate, Mohit Chauhan & Bhavik Gelotar)** |
| 28/08/2024 | **Holiday (Second Saturday)** |
| 29/08/2024 | **Holiday (Sunday)** |
| 30/08/2024 | * **Learn How to Implement images or video used from Dataset from Videos & Watched Videos of Machine Learning Form NPTEL. (Harsh Parate & Bhavik Gelotar)** * **Absent (Mohit Chauhan)** |
| 01/09/2024 | * **We Watched Videos and Attempting How to Properly use images and videos from a dataset. With its Dataset How images used in coding. (Harsh Parate, Mohit Chauhan & Bhavik Gelotar)** |
| 02/09/2024 | **Holiday (Gandhi Jayanti)** |

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| **Next Week Plan** | **We have to learn How Models and Libraries are Used in Object Detection with Coding Problems & We need to understand How to use images from dataset for our object detection project.** |

**REFERENCE :**

* [**https://www.youtube.com/watch?v=ZjlhZHlG4dI**](https://www.youtube.com/watch?v=ZjlhZHlG4dI)
* [**https://www.youtube.com/watch?v=Pea3meEjVM8**](https://www.youtube.com/watch?v=Pea3meEjVM8)
* [**https://www.youtube.com/watch?v=A3LhqU3v6KQ**](https://www.youtube.com/watch?v=A3LhqU3v6KQ)
* [**https://www.kaggle.com/code/chienhsianghung/object-detection-using-opencv-inference**](https://www.kaggle.com/code/chienhsianghung/object-detection-using-opencv-inference)

# **SCREEN SHOTS :**





 

