

HMR INSTITUTE OF TECHNOLOGY AND MANAGEMENT

HAMIDPUR, DELHI - 110036

**Department of Computer Science and Engineering**

**Weekly Progress Report (WPR)**

**Faculty Guide’s Name: Ms. Shruti**

**MAJOR PROJECT TITLE: -Defenses Against Adversarial Images**

**Group No. : 7**

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| **S.  No.** | **Roll No.** | **Name** | **Overall Marks (out of15)** |
| **1** | **00696502717** | **Deepak Kumar** |  |
| **2** | **00796502717** | **Deepak Kumar Rai** |  |
| **3** | **01096502717** | **Jnaneshwar** |  |
| **4** | **01396502717** | **Manthan Singh** |  |

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| **SUMMARY** | | | | | |
| **Date** | **TARGETS SET FOR THE WEEK** | **ACHIEVEMENTS FOR THE WEEK** | **Marks** | **Signature of Students** | **Remark** |
| 11-03-2021 | Synopsis Presentation | 100% |  |  |  |
| 15-03-2021 | Study of Research Paper | 80% |  |  |  |
| 22-03-2021 | Building a CNN architecture using Keras and Tensorflow | 100% |  |  |  |
| 29-03-2021 | Building a data generator function used to generate batches of adversarial images such that we can fine-tune our CNN on them | 90% |  |  |  |
| 05-04-2021 | Building a training script that puts all the pieces together trains our model on the MNIST dataset, generates adversarial images, and fine-tunes the CNN on them to improve accuracy | 90% |  |  |  |
| 12-04-2021 | Fine-tuning and Debugging the coding segment | 80% |  |  |  |
| 19-04-2021 | Research Paper analysis and starting Documentation Work | 90% |  |  |  |
| 26-04-2021 | Hosting the coding part on GitHub. Documentation part and Research Paper work continues | 95% |  |  |  |
| 03-05-2021 | Documentation Work continues | 100% |  |  |  |
| 10-05-2021 | Preparation for Mid-Sem Presentation it includes making PowerPoint Presentation and related works | 100% |  |  |  |
| 20-05-2021 | Mid-Sem Major Project Presentation | 100% |  |  |  |
| 24-05-2021 | Review of Mid-Sem Presentation and working to improve that | 100% |  |  |  |
| 31-05-2021 | Fine-tuning the accuracy of the model, Research Paper , Documentation work continues | 90% |  |  |  |
| 07-06-2021 | Fine-tuning everything towards completion of project | 100% |  |  |  |
| 17-06-2021 | Internal Presentation for the Complete Major Project | 100% |  |  |  |

Guide signature: Date: