**P.E.S. University**

**Dept. Of Computer Applications Session Jan – May 2022**

**Weekly Status Report**

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| **Week Starting Date** | 14-02-2022 | **Week Ending Date** |  |
| **Name** | Pulkit Jain | **SRN** | PES1PG20CA037 |

**Activities Completed**

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| **#** | **Tasks** | **Date** | **Remarks** |
| 1 | Planning Blueprint, Design, Structure for Application | 20-2 |  |
| 2 | Writing HTML Layouts for Pages   1. Homepage 2. Login 3. Registration 4. Listing sites 5. Statistics 6. Deploying Options | 20-2 |  |
| 3 | Generating Flask Boilerplate Code for Backend | 27-2 |  |
| 4 | Creating Schemas for User, Static Sites | 27-2 |  |
| 5 | Writing Routes, Controller code and Connecting Backend with HTML layouts   1. Login 2. Registration | 6-2 |  |
| 6 | Discovering Options to automate AWS CLI tasks using AWS SDK, Boto3 for Python | 6-2 |  |
| 7 | Writing Code to create Bucket, set Bucket as Static Site, Configuring Bucket, Setting Policies all via Boto3 | 13-2 |  |
| 8 | Writing Code that scans Static Website zip files for unwanted extensions, uploads to Host Machine then to S3 Bucket | 13-2 |  |
| 9 | Enabling Server Access Logs via Boto3 | 20-2 |  |
| 10 | Downloading Logs and parsing them as CSV for analysis | 20-2 |  |
| 11 | Utilizing CSV for providing requests metric and Cloud Watch for Bucket Level Metrics | 27-2 |  |
| 12 | Connecting Backend Statistics Gathering code to Frontend | 27-2 |  |

**In Progress**

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| **#** | **Tasks** | **Date** | **Remarks** |
| 1 | Password and other credential Change Functionality | 3-2 |  |

**Plan for Next Week**

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| **#** | **Tasks** | **Date** | **Remarks** |
| 1 | Discovering Options for Automatic Configuration and Instantiation Of EC2 Instances |  |  |
| 2 | Designing Frontend Interface which asks user for Minimal Configuration for Deployment of Dynamic Sites |  |  |
| 3 | Writing Code that uploads Dynamic Site Zip to Deplosite Host |  |  |
| 4 | Writing Infrastructure Code for Javascript based Projects |  |  |
| 5 | Writing Infrastructure Code for Python based Projects |  |  |
| 6 | Discovering Options to Collect Metrics for EC2 Instances |  |  |
| 7 | Writing Code that collects Metrics for EC2 Instance |  |  |
| 8 | Viewing EC2 Metrics at Frontend |  |  |
| 9 | Debugging and Refactoring of Existing Code |  |  |

**External Guide’s Signature Internal Guide’s Signature**