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| C:\Users\CHAYAPATHI-CPN\Desktop\download.png  **Department of Information Science and Engineering** |
| **Acharya Institute of Technology** |
| Acharya Dr. Sarvepalli Radhakrishnan Road, Bangalore-560107 |

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| **WEEKLY PROGRESS REPORT** | | | | | |
| **Batch No** | | **05** | | | |
| **Guide** | |  | | | |
| **Project Title** | | **IoT based Wireless Smart Board** | | | |
| **Progress Report No** | | **6** | | | |
| **Date of Submission** | | **15 May 2019** | | | |
| **Date** | | **From: 23 April 2019** | | | **To:3 May2019** |
|  | | | | | |
| **Sl. No.** | **Student Name** | | **USN** | **Signature with date** | |
| **1** | Pravesh Kasaundhan | | **1AY15IS072** |  | |
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Progress Report:

List of Features Implemented as per the Gantt chart

1. Unit Testing
2. Integration Testing
3. System Testing

* **System Testing:**

System Testing is a level of software testing where a complete and integrated software is tested.

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| **Sl. No** | **Description** | **Input** | **Expected Output** | **Actual Output** | **Status** |
| 1 | Collect text message from user | Input text message into the dialog box | Allow the user to enter text message | User allowed to enter text message | Pass |
| 2 | Display the text message | Send the text message to the Raspberry Pi | Convert the message received into .jpeg format and display on the screen | Message converted into .jpeg format and displayed on the screen | Pass |
| 3 | Collect image message from user | Select the image from the system | Allow the user to browse any image file. | User allowed to browse any image file. | Pass |
| 4 | Display image | Send the image to the Raspberry Pi | Load images browsed by user and display on the screen | Loaded images by user are displayed on the screen | Pass |
| 5 | Collect pdf files from user | Select the pdf from the system | Allow the user to browse any number of pdf files. | User allowed to browse any number of pdf files. | Pass |
| 6 | Display pdf files | Send the pdf to the Raspberry Pi | Convert pdf files into .jpeg files and display on screen. | Pdf converted into .jpeg and displayed on screen. | Pass |

* **Integration Testing:**

Integration testing is a type of testing where individual units are combined and tested as a group.

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| **Sl. No** | **Description** | **Input** | **Expected Output** | **Actual Output** | **Status** |
| 1 | Integrate PC & RPi for Authentication | Input Login Id & Password | Secured remote login using SSH protocol | Secured remote login successful | Pass |
| 2 | Integrate Web App & RPi to check web page | Open the web application | Loading of web page if IP address is correct. | Web page loading | Pass |
| 3 | Integrating RPi & Board to push data into display | Push invalid data from Raspberry Pi to board | Do not display data | Data displayed on Board | Fail |
| 4 | Integrating RPi & Board to push data to display | Push data from Raspberry Pi to board | Data to be displayed on Board | Data displayed on Board | Pass |

* **Unit Testing:**

Unit testing is defined as a type testing where individual units are tested.

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| **Sl. No** | **Description** | **Input** | **Expected Output** | **Actual Output** | **Status** |
| 1 | Checking if Raspberry Pi works | Power Supply | Red light Indicator glows | Red light Indicator glowing | Pass |
| 2 | To check if Raspbian OS is Installed | Insert bootable SD card | Dashboard will appear | Dashboard appeared | Pass |
| 3 | Function to test upload\_file | File with invalid extension | Uploading fail | Successfully Uploaded | Fail |
| 4 | Function to test upload\_file | Valid File | Successful Upload | Successfully Uploaded | Pass |
| 5 | Function to test reboot | Click the refresh board button | Home screen will appear | Home screen appeared | Pass |

Guide Project Coordinator HOD-ISE

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