**DAILY ASSESSMENT FORMAT**

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| **Date:** | **04-06-2020** | **Name:** | **Bhavith** |
| **Course:** | **Digital design using Verilog** | **USN:** | **4AL17EC009** |
| **Topic:** | **Hardware modelling using Verilog** | **Semester & Section:** | **6th,A** |
| **Github Repository:** | **Bhavith-Online-Courses** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session**  **Screenshot (136)** |
| **Report – Report can be typed or hand written for up to two pages.**  **Applications of hardware modelling:**   * **The AHM methodology consists in the selective modeling and simulation of a complete subsystem in order to manage earlier the risk of performance degradation while integrating a Silicon IP in its IC and the IC on its PCB.** * **In order to verify the impact of potential integration issues and the sources of degradation which can occur during the design process, simulations must be performed earlier in the design process.** * **This requires the creation of Virtual Application Boards (VAB) to be simulated for each targeted performance.** * **The first step consists in identifying the subsystem.** * **As the embedded components, as well as on-board devices (including peripherals and parasitics), have to be simulated, AHM goes beyond integrated circuit (IC) boundaries.** * **The main challenge to successfully simulate a subsystem is to select which components are required for each specific system-level performance , then to create the adequate models of these components at the relevant abstraction levels with the appropriate accuracy.** |

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| **Date:** | **04-06-2020** | **Name:** | **Bhavith** | |
| **Course:** | **Python** | **USN:** | **4AL17EC009** | |
| **Topic:** | **File Processing in python** | **Semester & Section:** | **6th,A** | |
| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session**  **Screenshot (135)** | | | |
| **Report – Report can be typed or hand written for up to two pages.**  **File Processing in Python:**   * **Python too supports file handling and allows users to handle files i.e., to read and write files, along with many other file handling options, to operate on files.** * **The concept of file handling has stretched over various other languages, but the implementation is either complicated or lengthy, but alike other concepts of Python, this concept here is also easy and short.** * **Python treats file differently as text or binary and this is important.** * **Each line of code includes a sequence of characters and they form text file.** * **Each line of a file is terminated with a special character, called the EOL or End of Line characters like comma {,} or newline character.** * **It ends the current line and tells the interpreter a new one has begun. Let’s start with Reading and Writing files.** | | | |