**DAILY ASSESSMENT FORMAT**

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| **Date:** | **07/07/2020** | **Name:** | **Lepakshi T V** |
| **Course:** | **MATLAB** | **USN:** | **4AL17EC044** |
| **Topic:** | * **Indexing and modifying arrays** * **Array calculations** * **Calling functions** | **Semester & Section:** | **6th sem A sec** |
| **Github Repository:** | **Lepakshi-044** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session** |
| **Report – Report can be typed or hand written for up to two pages.**  Indexing into and Modifying Arrays:   * Indexing into Arrays * Extracting Multiple Elements * Changing Values in Arrays   Array Calculations:   * Performing Array Operations on Vectors   Calling Functions:   * Obtaining Multiple Outputs from Function Calls |

**DAILY ASSESSMENT FORMAT**

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| **Date:** | **07/07/2020** | **Name:** | **Lepakshi T V** |
| **Course:** | **IOT** | **USN:** | **4AL17EC044** |
| **Topic:** | **Chapter 2** | **Semester & Section:** | **6th sem A sec** |
| **Github Repository:** | **Lepakshi-044** |  |  |

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| **AFTERNOON SESSION DETAILS** |
| **Image of session** |
| * **Report – Report can be typed or hand written for up to two pages.** * Flowcharts are diagrams that are used to represent processes. There are two common types of computer software: system software and application software. * Application software programs are created to accomplish a certain task. System software works between the computer hardware and the application program. * Local Variables - These are variables that are within the scope of a program / function / procedure. * Global Variables - These are variables that are in the scope for the time of the program’s execution. They can be retrieved by any part of the program. * The most common logic structures are IF – THEN, FOR Loops, and WHILE Loops. * Blockly is a visual programming tool created to help beginners understand the concepts of programming. Blackly implements visual programming by assigning different programming structures to colored blocks. * Python is a very popular language that is designed to be easy to read and write. Python is an interpreted language; therefore, an interpreter is required to parse and execute * Python code. Variables are labelled memory areas that are used to store runtime program data. Python supports many useful functions and datatypes including Range (), Tuples, Lists, Sets, Dictionary. * Python also implements two sub-structures named ELSE and ELIF. * Next, the chapter detailed prototyping. Prototyping is the process of creating a rudimentary working model of a product or system. A team at Google used the “Rapid Prototyping Method” to create the Google Glass. * Prototyping is the process of creating a rudimentary working model of a product or system. For prototyping in the IoT, it helps to have design skills, electrical skills, physical/mechanical skills (work with your hands to put things together), programming skills, and to understand how TCP/IP works. But you do not need to be an expert in any of these areas. In fact, prototyping helps you to refine these skills. |