**DAILY ASSESSMENT FORMAT**

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| **Date:** | **29/05/2020** | **Name:** | **SHALIVAHAN** |
| **Course:** | **Logic design** | **USN:** | **4AL18EC047** |
| **Topic:** | **Application of programmable logic controller** | **Semester & Section:** | **4 th sem A Section** |
| **Github Repository:** | **shalivahan1** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session** |
| **Report – Report can be typed or hand written for up to two pages.**  **In the most basic terms, a programmable logic controller (PLC) is a computer with a microprocessor but has no keyboard, mouse or monitor. It is essentially built to withstand very harsh industrial environments.**  **A PLC performs only a single set or sequence of tasks, with greater reliability and performance, except when it is under real-time constraints. This is in contrast to regular PCs and smartphones that are designed to execute any number of roles simultaneously within the Windows framework.**  **The PLC has a number of features that you don’t find in normal computers, such as protection from the open area conditions like heat, dust and cold.**  **It is low cost compared with other microcontroller systems. When you’re using a PLC in various applications, you only need to change the software component for each application. With other microcontroller systems however, you would have to change the hardware components too with different applications.**  **PLCs are generally used in industries for controlling heavy machinery and processes like conveyor system, CNC machines etc.**  **PLC usage can also be observed in day to day life**  **PLC has its applications in almost every automatic machine**  **Home automation**  **Nuclear power generation plants**  **Chemical industries- proportion of chemicals**  **PLCs in all phase of automated industrializations.**  **and more** |

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| **AFTERNOON SESSION DETAILS** | | | |
| **Image of session** | | | |
| **Report – Report can be typed or hand written for up to two pages.** | | | |