Lesson Plan

Course: B.Sc IV Sem Electronics

Paper: II - **Advance Digital Electronics**

Teacher name: Mr. SK Bathla

April 2021

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| **Digital to Analog conversion:**DACconversion, Types ofDAC conversion, Weighted Resistor Type DAC, R-2R Ladder Type DAC, The Switched Current source type DAC, The Switched Capacitor type DAC, DAC accuracy and resolution. |

May 2021

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| **Analog to Digital Conversion:** ADCconversion, Types ofADC conversion, The Counter Type ADC, The Tracking type ADC, Flash type ADC, The Successive Approximation ADC, ADC accuracy and resolution |

June 2021

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| **Memories:** Parameters of memory**,** Volatile and non volatile memories, Memory organization & operation, ROM, PROM, EPROM, EEPROM, RAM (Static and dynamic), Expanding the size of memory, Content addressable memory/ associative memory, **Programmable Logic Devices (PLDs):**Introduction, ROM as a PLD, Programmable Logic Array(PLA), Programmable Array Logic(PAL), Features of PLD,  |

July 2021

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| Complex Programmable Logic Devices(CPLDs), Field Programmable Gate Array(FPGA). |