Lesson Plan

Course: B.Sc VI Sem Electronics

Paper: I - **Microprocessor Architecture and Programming-II**

Teacher name: Mr. SK Bathla

April 2021

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| Interrupt: Methods of Input/output operations, Data transfer Schemes, software interrupts, Hardware interrupts, Interrupt control circuits, Interrupt instructions. |

May 2021

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| Programmable Pheripheral Interface 8255: operational modes of 8255, control word format for 8255, programming in Mode 0, programming in Mode 1, programming in Mode 2, BSR mode.  Programmable Interval Timer 8253: Block diagram of 8253, control word format for 8253, |

June 2021

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| Interfacing & programming of 8253, programming of 8253 in various modes.  Direct Memory Access Controller 8257: Block diagram, Programming of 8257,  Applications to illustrate the use of Microprocessor in:  1. Traffic light  2. Temperature control |

July 2021

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| 3. Stepper Motor control  4. Washing machine control |