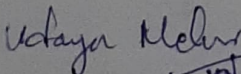
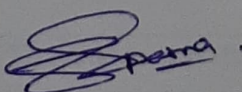
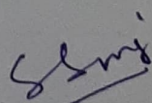
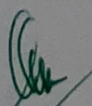


Discipline :- <b>ELECTRICAL ENGG.</b>	Semester:- <b>5<sup>th</sup></b>	Name of the Teaching Faculty:- <b>UDAYA MEHER</b>
Subject:- <b>DIGITAL ELECTRONICS &amp; MICROPROCESSOR LAB</b>	No of Days/per Week Class Allotted :- <b>01</b>	Semester From:- <b>15.09.2022</b> To Date: <b>22.12.2022</b>  <b>No. of Weeks-12</b>
<b>Week</b>	<b>Class Day</b>	<b>LABORATORY</b>
1 <sup>st</sup>	1 <sup>st</sup> (19/09/2022)	Verify truth tables of AND, OR, NOT, NOR, NAND, XOR, XNOR gates. Implement various gates by using universal properties of NAND & NOR gates and verify truth table.
2 <sup>nd</sup>	1 <sup>st</sup> (26/09/2022)	Implement half adder and Full adder using logic gates. Implement half subtractor and Full subtractor using logic gates.
3 <sup>rd</sup>	1 <sup>st</sup> (10/10/2022)	Implement a 4-bit Binary to Gray code converter. Implement a Single bit digital comparator.
4 <sup>th</sup>	1 <sup>st</sup> (17/10/2022)	Study Multiplexer and de-multiplexer
5 <sup>th</sup>	1 <sup>st</sup> (31/10/2022)	Study of flip-flops. i) S-R flip flop ii) J-K flip flop iii) flip flop iv) T flip flop
6 <sup>th</sup>	1 <sup>st</sup> (07/11/2022)	Realize a 4-bit asynchronous UP/Down counter with a control for up/down counting..
7 <sup>th</sup>	1 <sup>st</sup> (14/11/2022)	Realize a 4-bit synchronous UP/Down counter with a control for up/down counting.
8 <sup>th</sup>	1 <sup>st</sup> (21/11/2022)	Implement Mode-10 asynchronous counters
9 <sup>th</sup>	1 <sup>st</sup> (28/11/2022)	Study shift registers.
10 <sup>th</sup>	1 <sup>st</sup> (05/12/2022)	<b>General Programming using 8085A development board</b>  1'S Complement, 2'S Complement
11 <sup>th</sup>	1 <sup>st</sup> (12/12/2022)	Addition of 8-bit number Subtraction of 8-bit number Compare between two numbers
12 <sup>th</sup>	1 <sup>st</sup> (19/12/2022)	Decimal Addition 8-bit number Decimal Subtraction 8-bit number. Find the largest in an Array, Block Transfer, Traffic light control using 8255, Generation of square wave using 8255

  
Teaching Faculty 19/9/2022

  
HOD, ELE

  
Academic Co-ordinator

  
Principal