

**BHADRAK ENGG.SCHOOL & TECHNOLOGY (BEST),ASURALI,BHADRAK**

**EXPERIMENT-WISE DISTRIBUTION OF PERIODS & DISTRIBUTION OF MARKS**

| <b>Sl. No.</b> | <b>Name of the Experiment</b>                             | <b>Required no. of Lab Classes</b> | <b>Distribution of Marks</b> |
|----------------|---|------------------------------------|------------------------------|
| 01             | Write a program for 8-bit addition.                       | 1                                  | 03                           |
| 02             | Write a program for 8-bit subtraction.                    | 2                                  | 03                           |
| 03             | Write a program for 8-bit multiplication.                 | 2                                  | 03                           |
| 04             | Write a program for 1's compliment of 8-bit number.       | 2                                  | 03                           |
| 05             | Write a program for 2's compliment of 8-bit number.       | 2                                  | 03                           |
| 06             | Study of 8253 and its operation. (Mode 0, Mode 2, Mode 3) | 1                                  | 03                           |
| 07             | Study of Mode 0, Mode 1,BSR Mode operation of 8255.       | 1                                  | 02                           |
| 08             | Study of 8279(keyboard & display interface).              | 1                                  | 02                           |
| 09             | Study of Traffic light controller.                        | 2                                  | 03                           |
|                | <b>TOTAL</b>  | <b>14</b>                          | <b>25</b>                    |

**Sign of Lab I/C**

**Sign of HOD**

**Sign of AIC**

**Sign of Vice Principal**

## LESSON PLAN

|  |  |   |
|--|--|---|
| <b>Discipline:</b><br>ETC. Engg.&CS<br>Engg. | <b>Semester:</b><br>Forth(4th)                           | <b>Name of the Lab I/C:</b> Er B.R Nayak  |
| <b>Subject:</b><br>M.P&MC Lab                | <b>No. of days/week<br/>class allotted:</b><br>Three (3) | <b>Semester from Date:</b> 14.02.23 <b>to Date:</b> 23.05.23<br><b>No. of Weeks:</b> 15 |
| <b>WEEK</b>                                  | <b>CLASS DAY</b>   | <b>PRACTICAL EXPERIMENTS</b>  |
| 1 <sup>st</sup>                              | 1 <sup>st</sup>  | Write a program for 8-bit addition.   |
|  | 2 <sup>nd</sup>  |   |
|  | 3 <sup>rd</sup>  | Review Class  |
| 2 <sup>nd</sup>                              | 1 <sup>st</sup>  | Write a program for 8-bit subtraction.  |
|  | 2 <sup>nd</sup>  |   |
|  | 3 <sup>rd</sup>  | Review Class  |
| 3 <sup>rd</sup>                              | 1 <sup>st</sup>  | Write a program for 8-bit multiplication.   |
|  | 2 <sup>nd</sup>  |   |
|  | 3 <sup>rd</sup>  | Review Class  |
| 4 <sup>th</sup>                              | 1 <sup>st</sup>  | Write a program for 1,s compliment of 8-bit number.                                     |
|  | 2 <sup>nd</sup>  |   |
|  | 3 <sup>rd</sup>  | Review Class  |
| 5 <sup>th</sup>                              | 1 <sup>st</sup>  | Write a program for 2,s compliment of 8-bit number.                                     |
|  | 2 <sup>nd</sup>  |   |
|  | 3 <sup>rd</sup>  | Review Class  |
| 6 <sup>th</sup>                              | 1 <sup>st</sup>  | Study of 8253 and its operation. (Mode 0, Mode 2, Mode 3)                               |
|  | 2 <sup>nd</sup>  |   |
|  | 3 <sup>rd</sup>  | Review Class  |
| 7 <sup>th</sup>                              | 1 <sup>st</sup>  | Study of Mode 0, Mode 1,BSR Mode operation of 8255.                                     |
|  | 2 <sup>nd</sup>  |   |
|  | 3 <sup>rd</sup>  | Review Class  |

|                  |                 |  |
|------------------|-----------------|--|
| 8 <sup>th</sup>  | 1 <sup>st</sup> | Study of 8279(keyboard & display interface). |
|                  | 2 <sup>nd</sup> |  |
|                  | 3 <sup>rd</sup> |  |
| 9 <sup>th</sup>  | 1 <sup>st</sup> | Study of Traffic light controller.           |
|                  | 2 <sup>nd</sup> |  |
|                  | 3 <sup>rd</sup> |  |
| 10 <sup>th</sup> | 1 <sup>st</sup> | Revision                                     |
|                  | 2 <sup>nd</sup> |  |
|                  | 3 <sup>rd</sup> |  |
| 11 <sup>th</sup> | 1 <sup>st</sup> | Revision                                     |
|                  | 2 <sup>nd</sup> |  |
|                  | 3 <sup>rd</sup> |  |
| 12 <sup>th</sup> | 1 <sup>st</sup> | Revision                                     |
|                  | 2 <sup>nd</sup> |  |
|                  | 3 <sup>rd</sup> |  |
| 13 <sup>th</sup> | 1 <sup>st</sup> | Revision                                     |
|                  | 2 <sup>nd</sup> |  |
|                  | 3 <sup>rd</sup> |  |
| 14 <sup>th</sup> | 1 <sup>st</sup> | Revision                                     |
|                  | 2 <sup>nd</sup> |  |
|                  | 3 <sup>rd</sup> |  |
| 15 <sup>th</sup> | 1 <sup>st</sup> | Revision                                     |
|                  | 2 <sup>nd</sup> |  |
|                  | 3 <sup>rd</sup> |  |