

**Faculty of Mechanical Engineering**  
**M.E. Industrial Engineering**  
**(R 2021) Semester – I**  
**IL4111 WORK SYSTEM DESIGN AND ERGONOMICS LABORATORY**  
**(Requirements for a batch of 25 students)**

| <b>Sl. No.</b> | <b>Description of Equipment</b>                             | <b>Quantity required (R)</b> | <b>Quantity available (A)</b> | <b>Deficiency (R - A)</b> |
|----------------|---|------------------------------|-------------------------------|---------------------------|
| 1.             | Time study Trainer  | 2                            |                               |                           |
| 2.             | Peg board   | 2                            |                               |                           |
| 3.             | Stop watches  | 5                            |                               |                           |
| 4.             | Tread mill  | 1                            |                               |                           |
| 5.             | Ergo cycle  | 1                            |                               |                           |
| 6.             | Lux meters  | 2                            |                               |                           |
| 7.             | Noise meter   | 2                            |                               |                           |
| 8.             | Step bench  | 1                            |                               |                           |
| 9.             | Any one Ergonomics software<br>(Eg.: Ergomaster, Human CAD) | Software                     |                               |                           |

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**IL4112 OPTIMIZATION LABORATORY**

**(Requirements for a batch of 25 students)**

| <b>Sl. No.</b> | <b>Description of Equipment</b> | <b>Quantity required (R)</b> | <b>Quantity available (A)</b> | <b>Deficiency (R - A)</b> |
|----------------|---------------------------------|------------------------------|-------------------------------|---------------------------|
| 1.             | Optimization software           | Software                     |                               |                           |
| 2.             | Microsoft Excel                 | Software                     |                               |                           |
| 3.             | C AND C++                       | Software                     |                               |                           |

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**(R 2021) Semester – II**

**IL4211 DATA ANALYTICS LABORATORY**

| <b>SI.No.</b> | <b>Description of Equipment</b>                       | <b>Required Numbers</b> |
|---------------|---|-------------------------|
| 1.            | Software Package Related to Data Analytics Laboratory | *                       |

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**IL4212 SIMULATION LABORATORY**

| <b>SI.No.</b> | <b>Description of Equipment</b>                   | <b>Required Numbers</b> |
|---------------|---|-------------------------|
| 1.            | Software Package Related to Simulation Laboratory | *                       |

\*Based on student strength