

**RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR****Inventory Sheet**Department: **Electrical Engineering**Inventory of Room No./Office: **Power Electronics Lab**

|            | <b>Product</b>  | <b>Quantity</b> | <b>Remark</b> |
|------------|---|-----------------|---------------|
| <b>1.</b>  | Single phase half & fully controlled bridge.                            | 1               | Not Working   |
| <b>2.</b>  | Micro controller based single phase bridge configuration cycloconverter | 1               | Working       |
| <b>3.</b>  | Single phase AC voltage controller.                                     | 1               | Working       |
| <b>4.</b>  | Series inverter using MOSFET.   | 1               | Working       |
| <b>5.</b>  | MOSFET based chopper motor controller                                   | 1               | Working       |
| <b>6.</b>  | Single phase AC voltage   | 2               | Working       |
| <b>7.</b>  | Bridge inverter using IGBT.   | 1               | Working       |
| <b>8.</b>  | SCR characteristics.  | 2               | Working       |
| <b>9.</b>  | Single phase half controlled bridge converter.                          | 1               | Not Working   |
| <b>10.</b> | Three phase fully controlled converter.                                 | 1               | Working       |
| <b>11.</b> | Triggering of IGBT, MOSFET & Power transistor                           | 2               | Working       |
| <b>12.</b> | UJT triggering circuits.  | 2               | Working       |
| <b>13.</b> | DSO   | 2               | Working       |
| <b>14.</b> | CRO   | 1               | Not Working   |
| <b>15.</b> | DC motor  | 1               | Working       |
| <b>16.</b> | Multimeter  | 4               | Working       |
| <b>17.</b> | Digital multimeter  | 2               | Working       |
| <b>18.</b> | Digital storage oscilloscope  | 2               | Working       |
| <b>19.</b> | Dual dc regulator power supply modules                                  | 1               | Working       |
| <b>20.</b> | 30 Hvthyristercontroltrainer  | 1               | Working       |
| <b>21.</b> | 3 phase fhp induction motor   | 1               | Working       |
| <b>22.</b> | DC shunt series motor 0.5 hp,1500rpm with loading arrangement           | 1               | Working       |
| <b>23.</b> | Power electronic trainer  | 2               | Working       |

|           |                                   |          |         |
|-----------|-----------------------------------|----------|---------|
| <b>24</b> | Con/inv panel                     | 2        | Working |
| <b>25</b> | SCR application panel p3          | 2        | Working |
| 26        | Bread board panel                 | 2        | Working |
| 27        | DV/dt protectin to firing circuit | 2        | Working |
| 28        | IGBT/mosfet invertor              | <b>2</b> | Working |
| <b>29</b> | Tool kit (power electronic lab)   | <b>1</b> |         |