



**K. S. SCHOOL OF ENGINEERING AND MANAGEMENT, BANGALORE - 560109**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**SESSION 2021-2022**  
**STOCK VERIFICATION**

| Laboratory Name with code  | Lab Incharge       | Name of Internal Verifier | Signature | Name of External Verifier | Signature |
|--|--------------------|---------------------------|-----------|---------------------------|-----------|
| Microcontroller Laboratory (18EEL57)   | Mrs. Hemapriya M   | Mrs. Tejaswini G V        |           | Mrs. Swarna S             |           |
| Power electronics Laboratory (18EEL58)   | Dr. Arun Kumar M   | Mrs. Hemapriya M          |           | Mrs. Swarna S             |           |
| Control System Laboratory (18EEL66)  | Mrs. Hemapriya M   | Mrs. Tejaswini G V        |           | Mrs. Pavitra J            |           |
| Digital Signal Processing Laboratory (18EEL67) / Power System Simulation Laboratory (18EEL76) / CAED | Mrs. Manjula B.G.  | Dr. Arun Kumar M          |           | Mrs. Pavitra J            |           |
| Relay and HV Laboratory (18EEL77)  | Mrs. Tejaswini G V | Mrs. Manjula B.G.         |           | Mrs. Pavitra J            |           |

**Signature of HOD**

Associate Professor  
Head of the Department  
Department of Electrical & Electronics Engineering  
K S School of Engineering and Management  
Bangalore-560 109



**KSSEM**

Kammavari Sangham (R)

# K S SCHOOL OF ENGINEERING AND MANAGEMENT

BENGALURU - 109

## Stock Verification Report

Department Electrical and Electronics Engineering

Laboratory Power Electronics Laboratory

Date 23 / 09 / 2022

| Sl.No. | Equipment/ Tool/<br>Instrument/comodity          | Stock<br>Book<br>Page No | Quantity<br>in stock | Supplied by        | Present condition of the Equipment/ Tool/<br>Instrument/comodity<br>(Working/under repair/Maintenance<br>required/ scrap) | Remarks                                    |
|--------|--|--------------------------|----------------------|--------------------|---|--|
| 1      | SCR characteristics study unit                   |                          | 3                    | Pragna Electronics | 1 working, 2 maintenance<br>required.   |  |
| 2      | MOSFET - IGBT characteristics<br>study unit      |                          | 3                    | Pragna Electronics | 1 working, 2 maintenance<br>required.   |  |
| 3      | UJT Firing unit                                  |                          | 3                    | Pragna Electronics | 2 working<br><del>to</del>  | Module 01 transformer must be<br>replaced. |
| 4      | Forced Communication study unit                  |                          | 3                    | Pragna Electronics | working.  |  |
| 5      | Stepper motor controller (with<br>stepper motor) |                          | 3                    | Pragna Electronics | working   |  |
| 6      | Digital Firing circuit                           |                          | 3                    | Pragna Electronics | working   |  |
| 7      | Single phase converter firing unit               |                          | 2                    | Pragna Electronics | working   |  |

| Sl.No. | Equipment / Tool / Instrument / commodity                                  | Stock Book Page No | Quantity in stock | Supplied by        | Present condition of the Equipment / Tool / Instrument / commodity (Working / under repair / Maintenance required / scrap) | Remarks                       |
|--------|--|--------------------|-------------------|--------------------|--|-------------------------------|
| 8      | Single phase converter power circuit                                       |                    | 2                 | Pragna Electronics | working  |                               |
| 9      | A.C Voltage controller using Triac-DIAC                                    |                    | 2                 | Pragna Electronics | working maintenance required   |                               |
| 10     | Universal Motor control unit with universal AC-DC motor                    |                    | 2                 | Pragna Electronics | working.   |                               |
| 11     | D.C Motor Speed control unit (using MOSFET, IGBT & Chopper) with DC motors |                    | 2                 | Pragna Electronics | 1 working, 1 maintenance required  | IGBT / MOSFET to be replaced. |
| 12     | DC Motor /Control unit 0.5 hp/220v (semi converter) with DC motor          |                    | 2                 | Pragna Electronics | working  |                               |
| 13     | Single Phase PWM Inverter-IGBT/MOSFET                                      |                    | 2                 | Pragna Electronics | working  |                               |
| 14     | Light Dimmer circuit using Diac & Triac                                    |                    | 1                 | Pragna Electronics | working  |                               |
| 15     | Single Phase converter Firing circuit (Microcontroller based)              |                    | 1                 | Pragna Electronics | working  |                               |
| 16     | Regulated DC Linear Power Supply 30v/3A                                    |                    | 2                 | Pragna Electronics | working  |                               |
| 17     | 5 Amps Transformer 0-230 V with 2 pin power cord                           |                    | 5                 | Pragna Electronics | working.   |                               |

| Sl.No. | Equipment/ Tool/ Instrument/comodity                     | Stock Book Page No | Quantity in stock | Supplied by        | Present condition of the Equipment/ Tool/ Instrument/comodity (Working/under repair/Maintenance required/ scrap) | Remarks                     |
|--------|--|--------------------|-------------------|--------------------|--|-----------------------------|
| 18     | 5 Amps Line Choke  |                    | 2                 | Pragna Electronics | working  |                             |
| 19     | 2 Amps Line Choke  |                    | 2                 | Pragna Electronics | working  |                             |
| 20     | 150 $\Omega$ 5Amps Rheostat                              |                    | 2                 | Pragna Electronics | working  |                             |
| 21     | Power Resistor 75.50W 470 $\Omega$ 25W, 220 $\Omega$ 25W |                    | 22                | Pragna Electronics | working  |                             |
| 22     | Digital Tachometer Non-Contact type                      |                    | 1                 | Pragna Electronics | working  |                             |
| 23     | Digital Tachometer Contact type                          |                    | 1                 | Pragna Electronics | working  |                             |
| 24     | Power cord 3 pin   |                    | 25                | Pragna Electronics | good   |                             |
| 25     | Digital storage oscilloscope                             |                    | 3                 | Pragna Electronics | working  | One DSO has one probe only. |
| 26     | 100 $\Omega$ 2Amps Rheostat                              |                    | 3                 | Pragna Electronics | .  | Winding is damaged.         |
| 27     | AC/DC ammeter 0-2000 mA                                  |                    | 5                 | Pragna Electronics | good   |                             |
| 28     | AC/DC ammeter 0-500 mA                                   |                    | 3                 | Pragna Electronics | good   |                             |
| 29     | Multimeter   |                    | 10                | Pragna Electronics | good   |                             |
| 30     | Single pin patch cords                                   |                    | 83                | Pragna Electronics | good .   |                             |

|                      |                     |                    |  |
|----------------------|---------------------|--------------------|--|
| Name of the verifier | Hernapiya M         | Dr. S. Swarna - S  |  |
| Signature            | <i>[Signature]</i>  | <i>[Signature]</i> |  |
| Designation          | Assistant Professor | Assistant Prof.    |  |
| Department           | EEE                 | Chemistry (BS)     |  |

*[Signature]*  
Signature of the Lab Incharge

*[Signature]*  
Signature of HOD

*[Signature]*  
Signature of the Principal  
Dr. K. RAMA NARASIMHA  
Principal/Director

K S School of Engineering and Management  
Bengaluru - 560 109



Kammavari Sangham (R)  
**K S SCHOOL OF ENGINEERING AND MANAGEMENT**  
BENGALURU - 109  
**Stock Verification Report**

Department Electrical & Electronics Engineering  
Laboratory Digital Signal Processing/Power System Simulation Lab/CAED

Date 8/9/2022

| SL.N o. | Equipment/ Tool/ Instrument/comodity                       | Stock Book Page No                   | Quantity in stock | Supplied by  | Date of Procurement | Invoice No           | Price / Unit | Total Cost | Present condition of the Equipment/ Tool/ Instrument/comodity (Working/under repair/Maintenance required/ scrap) | Remarks |
|---------|--|--------------------------------------|-------------------|--|---------------------|----------------------|--------------|------------|--|---------|
| 1       | Lenovo Think Centred desktops with keyboard, CPU and mouse | 185 of CSE Department Stock Register | 9                 | Lenovo Think Centre                                | 2/8/2012            | BGL-345/PSGF/2013-14 | 32,150       | 28,935     | working  |         |
| 2       | Mi Power   |                                      | 5                 | Power Resesarch Development Consultancy, Bangalore | 31/07/2013          | 20156                | 58,000       | 2,90,000   | Licensed version installed in 5 systems is intact and not upgraded   |         |

Internal Verifier

External Verifier

|                      |                                      |                         |
|----------------------|--------------------------------------|-------------------------|
| Name of the verifier | Mrs. Manjula BG                      | Mrs. Pavitra J          |
| Signature            |                                      |                         |
| Designation          | Associate Professor                  | Assistant Professor     |
| Department           | Electrical & Electronics Engineering | Basic Science (Physics) |

Signature of the Lab Incharge

Signature of the HOD

Signature of the Principal

Associate Professor  
Head of the Department  
Department of Electrical & Electronics Engineering  
K S School of Engineering and Management  
Bengaluru 560 109

**Dr. K. RAMA NARASIMHA**  
Principal/Director  
K S School of Engineering and Management  
Bengaluru - 560 109



## HIGH VOLTAGE LABORATORY EQUIPMENTS

| SL.N o. | Equipment/ Tool/ Instrument/comodity | Stock Book Page No | Quantity In stock | Supplied by                          | Date of Procurement | Total Cost | Present condition of the Equipment/ Tool/ Instrument/comodity | Remarks |
|---------|--------------------------------------|--------------------|-------------------|--------------------------------------|---------------------|------------|---|---------|
| 1       | High voltage transformer-TEO100/10   | 15                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore | 23/6/2015           | 13,10,194  | working condition   |         |
| 2       | Control desk- SRP /5 TRE             | 15                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 3       | Capacitor measuring -CM 100PF        | 15                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 4       | Connecting rod-V                     | 15                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 5       |                                      | 15                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 6       | Earthing rod-Est                     | 15                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 7       | Connecting cup-K                     | 15                 | 4                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 8       | Floor pedestal-FS                    | 15                 | 4                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 9       | Rectifier-GS 140kV                   | 15                 | 2                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 10      | Capacitors-CS(25,000PF)              | 15                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 11      | Measuring resistor -RM (280)         | 15                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 12      | Electrode- EL 1                      | 15                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 13      | Insulating rod-IS                    | 15                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 14      | Spacer tube -D                       | 16                 | 2                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 15      | Voltmeter DC DGM                     | 16                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 16      | Earthing switch-ES                   | 16                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 17      | Measuring sphere gap-MF 100          | 16                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |
| 18      | Oil testing cup-OP                   | 16                 | 1                 | WS Test Systems Pvt. Ltd., Bangalore |                     |            | working condition   |         |

|                      |                 |             |                         |  |  |
|----------------------|-----------------|-------------|-------------------------|--|--|
| Name of the verifier | TEJASWINI P. V  | MANJULAKH   | PAVITHRA . J            |  |  |
| Signature            |                 |             |                         |  |  |
| Designation          | Asst. Professor | Assoc. Prof | Assistant Professor     |  |  |
| Department           | EEE             | EEE         | Basic Science (Physics) |  |  |

Signature of the Incharge

Signature of the HOD

Signature of the Principal

Associate Professor  
Head of the Department  
Department of Electrical & Electronics Engineering  
K S School of Engineering and Management  
Bengaluru-560 109

Dr. K. RAMA NARASIMHA  
Principal/Director  
K S School of Engineering and Management  
Bengaluru - 560 109



# Kammavari Sangham (R)

## K S SCHOOL OF ENGINEERING AND MANAGEMENT

BENGALURU - 109

### Stock Verification Report

Department Electrical and Electronics Engineering

Date 12-9-2022

Laboratory Microcontroller Laboratory

| Sl.No. | Equipment/ Tool/<br>Instrument/comodity                                      | Stock<br>Book<br>Page No | Quantly<br>in stock | Supplied by                       | Date of<br>Procurement | Invoice<br>No | Price /<br>Unit | Total<br>Cost | Present condition of the<br>Equipment/ Tool/<br>Instrument/comodity<br>(Working/under<br>repair/Maintenance<br>required/ scrap) | Remarks |
|--------|--|--------------------------|---------------------|-----------------------------------|------------------------|---------------|-----------------|---------------|---|---------|
| 1      | ALS_EMB_EVAL_04FLASH<br>89CS1ED2 EVALUATION BOARD<br>WITH ON BOARD INTERFACE | 1                        | 12                  | Advanced<br>Electronic<br>Systems | 1/3/2016               | 579           | 10,090          | 1,21,084      | working   |         |
| 2      | Power Supply 5V,1.5A, +/-12V   | 1                        | 12                  | Advanced<br>Electronic<br>Systems | 1/3/2016               | 579           |                 |               | working   |         |
| 3      | Stepper Motor  | 1                        | 12                  | Advanced<br>Electronic<br>Systems | 1/3/2016               | 579           |                 |               | working   |         |
| 4      | DC Motor   | 1                        | 12                  | Advanced<br>Electronic<br>Systems | 1/3/2016               | 579           |                 |               | working   |         |
| 5      | B-type Cable   | 1                        | 12                  | Advanced<br>Electronic<br>Systems | 1/3/2016               | 579           |                 |               | working   |         |
| 6      | 2 Way Relimate (one side)  | 1                        | 12                  | Advanced<br>Electronic<br>Systems | 1/3/2016               | 579           |                 |               | working   |         |
| 7      | 2 Way Relimate (both side)   | 1                        | 12                  | Advanced<br>Electronic<br>Systems | 1/3/2016               | 579           |                 |               | working   |         |
| 8      | 10 Core 10inch FRC cable   | 1                        | 48                  | Advanced<br>Electronic<br>Systems | 1/3/2016               | 579           |                 |               | working   |         |
| 9      | RS232 Communication Cable  | 2                        | 12                  | Advanced<br>Electronic<br>Systems | 1/3/2016               | 579           |                 |               | 1-cable not working<br>11-cable working   |         |

|                      |                     |                     |
|----------------------|---------------------|---------------------|
| Name of the verifier | Tejaswini G.V.      | Dr. Sharna S        |
| Signature            |                     |                     |
| Designation          | Assistant Professor | Assistant Professor |
| Department           | EEE                 | Chemistry [Bs]      |

Signature of the Lab Incharge

Signature of the HOD

Associate Professor  
Head of the Department

Department of Electrical & Electronics Engineering  
K S School of Engineering and Management  
Bengaluru-560 109

Dr. K. RAMA NARASIMHA

Principal/Director

K S School of Engineering and Management  
Bengaluru - 560 109





**KSSEM**

Kammavari Sangham (R)  
**K S SCHOOL OF ENGINEERING AND MANAGEMENT**  
 BENGALURU - 109

**Stock Verification Report**

Department Electrical and Electronics Engineering  
 Laboratory Control System Laboratory

Date 12-9-2022

| Sl.No. | Equipment/ Tool/ Instrument/comodity                         | Stock Book Page No                   | Quantity in stock | Supplied by            | Date of Procurement | Invoice No           | Price / Unit | Total Cost | Present condition of the Equipment/ Tool/ | Remarks |
|--------|--|--------------------------------------|-------------------|------------------------|---------------------|----------------------|--------------|------------|---|---------|
| 1      | PID Controller   | 5                                    | 3                 | Life Electronics       | 21-5-2013           | 6                    | 6500         | 15405      | working                                   |         |
| 2      | Second Order System  | 6                                    | 3                 | Life Electronics       | 21-5-2013           | 6                    | 6900         | 16353      | working                                   |         |
| 3      | AC Servo motor module  | 5                                    | 3                 | Life Electronics       | 21-5-2013           | 6                    | 18600        | 44082      | working                                   |         |
| 4      | AC Servo motor load  | 5                                    | 3                 | Life Electronics       | 21-5-2013           | 6                    |              |            | working                                   |         |
| 5      | DC Servo motor Module  | 5                                    | 3                 | Life Electronics       | 21-5-2013           | 6                    | 19200        | 45504      | working                                   |         |
| 6      | DC Servo motor load  | 5                                    | 3                 | Life Electronics       | 21-5-2013           | 6                    |              |            | working                                   |         |
| 7      | Compensating Module  | 5                                    | 3                 | Life Electronics       | 21-5-2013           | 6                    | 6975         | 16530      | working                                   |         |
| 8      | Compensating Module  | 5                                    | 3                 | Life Electronics       | 21-5-2013           | 6                    | 6975         | 16530      | working                                   |         |
| 9      | Compensating Module  | 5                                    | 3                 | Life Electronics       | 21-5-2013           | 6                    | 6975         | 16530      | working                                   |         |
| 10     | Synchro-pair module  | 6                                    | 3                 | Life Electronics       | 21-5-2013           | 6                    |              |            | All three is not working                  |         |
| 11     | 2 MHz Function Generator ING2000                             | 6                                    | 15                | Scientific MES Technik |                     | 6                    |              |            | working                                   |         |
| 12     | Lenovo Think Centered Desktops with keyboard, CPU, and mouse | 185 of CSE Department stock register | 4                 | Lenovo Think Center    | 2/8/2012            | BGL-345/PSGF/2013-14 | 32,150       | 160,750    | working                                   |         |

|                      |                     |                         |
|----------------------|---------------------|-------------------------|
| Name of the verifier | Tejaswasi G.V.      | PAVITHRA . J            |
| Signature            |                     |                         |
| Designation          | Assistant Professor | Assistant Professor     |
| Department           | EEF                 | Basic Science (Physics) |

Signature of the Lab Incharge

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K. RAMANARASIMHA  
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