



LABORATORY INVENTORY  
**Electronics Engineering Laboratory (EB 202)**

As of October 13, 2021

| NO. | LABORATORY EQUIPMENT/TOOL                       | QTY | UNIT | DATE ACQUIRED | UNIT COST  | PROPERTY NUMBER | REMARKS                        |
|-----|-------------------------------------------------|-----|------|---------------|------------|-----------------|--------------------------------|
| 1   | Wheeler DC - Power Supply                       | 1   | pc.  |               |            |                 | Operational                    |
| 2   | Digital Multi-Meter                             | 2   | pcs. |               |            |                 | Operational                    |
| 3   | Magnetic Relay                                  | 6   | pcs. |               |            |                 | Operational                    |
| 4   | Digital Synthesized Function Generator          | 1   | pc.  | 2/4/2010      |            | TSE-10-008-42   | Operational                    |
| 5   | Digital Synthesized Function Generator          | 1   | pc.  | 2/4/2010      |            | TSE-10-008-41   | Operational                    |
| 6   | Digital Storage Oscilloscope                    | 1   | pc.  | 2/4/2010      |            | TSE-10-009-43   | Operational                    |
| 7   | Digital Storage Oscilloscope                    | 1   | pc.  | 2/4/2010      |            | TSE-10-009-42   | Operational                    |
| 8   | Digital Storage Oscilloscope                    | 1   | pc.  | 2/4/2010      |            | TSE-10-009-41   | Operational                    |
| 9   | Digital Oscilloscope                            | 1   | pc.  | 1/17/2019     |            | 19-01-015       | Operational                    |
| 10  | Digital Oscilloscope                            | 1   | pc.  | 1/17/2019     |            | 19-01-016       | Operational                    |
| 11  | R2K Analog Experimenter Educational Trainer     | 1   | pc.  |               |            |                 | Operational                    |
| 12  | R2K Digital Experimenter Educational Trainer    | 1   | pc.  |               |            |                 | Operational                    |
| 13  | PC-Based Microprocessor Development Trainer     | 2   | pcs. |               |            |                 | Operational                    |
| 14  | Linear IC Trainer Kit                           | 4   | pcs. |               |            |                 | Operational                    |
| 15  | Digital IC Trainer Kit                          | 4   | pcs. |               |            |                 | Operational                    |
| 16  | Analog Multi Tester; Sanwa                      | 1   | pc.  |               |            |                 | Operational                    |
| 17  | Analog Multi Tester; Sanwa                      | 1   | pc.  |               |            |                 | Operational                    |
| 18  | Analog Multi Tester; Sanwa                      | 1   | pc.  |               |            |                 | Operational                    |
| 19  | Analog Multi Tester; Sanwa                      | 1   | pc.  |               |            |                 | Operational                    |
| 20  | Analog Multi Tester; Sanwa                      | 1   | pc.  |               |            |                 | Operational                    |
| 21  | Analog Multi Tester; Sanwa 7000826              | 1   | pc.  |               |            |                 | Not Operational (Need Battery) |
| 22  | Long Nose Piler                                 | 9   | pcs. |               |            |                 | Operational                    |
| 23  | Flat Screwdriver                                | 5   | pcs. |               |            |                 | Operational                    |
| 24  | Standard Screwdriver                            | 7   | pcs. |               |            |                 | Operational                    |
| 25  | Side Cutter                                     | 9   | pcs. |               |            |                 | Operational                    |
| 26  | Desoldering Pump Mini                           | 6   | pcs. |               |            |                 | Operational                    |
| 27  | Desoldering Pump Big                            | 4   | pcs. |               |            |                 | Operational                    |
| 28  | Soldering Iron                                  | 14  | pcs. |               |            |                 | Operational                    |
| 29  | Dual-Modular Crimping Tool                      | 8   | pcs. |               |            |                 | Operational                    |
| 30  | Earth Resistance Tester                         | 2   | pcs. |               | 29,400.00  |                 | Operational                    |
| 31  | Analog/Digital Generator                        | 1   | pc.  | 1/17/2019     |            | 19-01-031       | Operational                    |
| 32  | Analog/Digital Generator                        | 1   | pc.  |               |            |                 | Operational                    |
| 33  | Mini Drill                                      | 2   | pcs. |               |            |                 | Operational                    |
| 34  | Electronics Engineering Application Board       | 2   | pcs. | 1/17/2019     | 246,850.00 | 19-021-22A      | Operational                    |
| 35  | Industrial Electronic Application Board         | 2   | pcs. | 1/17/2019     | 166,350.00 | 19-023-24A      | Operational                    |
| 36  | Digital System Development Board                | 2   | pcs. | 1/17/2019     | 95,580.00  | 19-025A         | Operational                    |
| 37  | Analog Electronics Laboratory Application Board | 2   | pcs. | 1/17/2019     | 167,980.00 | 19-026-27A      | Operational                    |
| 38  | Digital Electronic Laboratory Application Board | 2   | pcs. | 1/17/2019     | 140,000.00 | 19-019-20A      | Operational                    |
| 40  | Helical Antenna                                 | 1   | pc.  |               |            |                 | Operational                    |
| 41  | Horn Antenna                                    | 1   | pc.  |               |            |                 | Operational                    |
| 42  | Transmission Lines Trainer                      | 1   | pc.  |               |            |                 | Operational                    |
| 43  | Parabolic Antenna                               | 1   | pc.  |               |            |                 | Operational                    |



Republic of the Philippines  
**SURIGAO STATE COLLEGE OF TECHNOLOGY**  
 Narciso Street, Surigao City

"For Nation's Greater Heights"



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|-----|-----------------------------------------------|-----|------|---------------|-----------|-----------------|------------------------------|
| 44  | Control Unit                                  | 1   | pc.  |               |           |                 | Operational                  |
| 45  | Function/Arbitrary Waveform Generator         | 1   | pc.  | 1/17/2019     |           | 19-01-028       | Operational                  |
| 46  | Function/Arbitrary Waveform Generator         | 1   | pc.  | 1/17/2019     |           | 19-01-029       | Operational                  |
| 47  | GPS Disciplined Clock                         | 1   | pc.  |               |           |                 | Operational                  |
| 48  | Projector                                     | 3   | pcs. |               |           |                 | Operational                  |
| 50  | Digital Clamp Meter                           | 2   | pcs. |               |           |                 | Operational                  |
| 51  | Direct Digital Synthesis Funtion Generator    | 1   | pc.  | 1/17/2019     |           | 19-01-017       | Operational                  |
| 52  | Direct Digital Synthesis Funtion Generator    | 1   | pc.  | 1/17/2019     |           | 19-01-018       | Operational                  |
| 53  | Precision Screwdriver Set                     | 4   | sets |               |           |                 | Operational                  |
| 56  | Multi Range Analogue-Timer                    | 9   | pcs. |               |           |                 | Operational                  |
| 57  | Devant Television                             | 28  | pcs. | 6/22/2019     |           |                 | Operational                  |
| 58  | Devant Television Remote (EB 202)             | 1   | pc.  |               |           |                 | Operational                  |
| 59  | Devant Television Remote (EB 203)             | 1   | pc.  |               |           |                 | Operational                  |
| 60  | Devant Television Remote (EB 205)             | 1   | pc.  |               |           |                 | Operational                  |
| 61  | Devant Television Remote (EB 207)             | 1   | pc.  |               |           |                 | Operational                  |
| 62  | Devant Television Remote (EB 208)             | 1   | pc.  |               |           |                 | Operational                  |
| 63  | Devant Television Remote (EB 209)             | 1   | pc.  |               |           |                 | Operational                  |
| 64  | Devant Television Remote (EB 210)             | 1   | pc.  |               |           |                 | Operational                  |
| 65  | Devant Television Remote (EB 301)             | 1   | pc.  |               |           |                 | Operational                  |
| 66  | Devant Television Remote (EB 302)             | 1   | pc.  |               |           |                 | Operational                  |
| 67  | Devant Television Remote (EB 303)             | 1   | pc.  |               |           |                 | Operational (No Battery)     |
| 68  | Devant Television Remote (EB 304)             | 1   | pc.  |               |           |                 | Operational                  |
| 69  | Devant Television Remote (EB 306)             | 1   | pc.  |               |           |                 | Operational                  |
| 70  | Devant Television Remote (EB 307)             | 1   | pc.  |               |           |                 | Operational                  |
| 71  | Devant Television Remote (EB 308)             | 1   | pc.  |               |           |                 | Not Operational (No Battery) |
| 72  | Devant Television Remote (EB 309)             | 1   | pc.  |               |           |                 | Operational (No Battery)     |
| 73  | Devant Television Remote (EB 310)             | 1   | pc.  |               |           |                 | Operational                  |
| 74  | Devant Television Remote (EB 311)             | 1   | pc.  |               |           |                 | Operational                  |
| 75  | Devant Television Remote (EB 312)             | 1   | pc.  |               |           |                 | Operational                  |
| 76  | Devant Television Remote (EB 405)             | 1   | pc.  |               |           |                 | Operational                  |
| 77  | Devant Television Remote (EB 407)             | 1   | pc.  |               |           |                 | Operational                  |
| 78  | Devant Television Remote (EB 408)             | 1   | pc.  |               |           |                 | Operational                  |
| 79  | Devant Television Remote (EB 409)             | 1   | pc.  |               |           |                 | Operational                  |
| 80  | Devant Television Remote (EB 410)             | 1   | pc.  |               |           |                 | Operational                  |
| 81  | Devant Television Remote (EB 411)             | 1   | pc.  |               |           |                 | Operational                  |
| 82  | Devant Television Remote (EB 412)             | 1   | pc.  |               |           |                 | Operational                  |
| 83  | Devant Television Remote (NO LABEL RED POUCH) | 1   | pc.  |               |           |                 | Operational (No Battery)     |
| 84  | Freeware for Circuit Analysis                 | 5   | sets |               |           |                 | Operational                  |
| 85  | Fixed Capacitors                              | 15  | pcs. |               |           |                 | Operational                  |
| 86  | Fixed Inductors                               | 15  | pcs. |               |           |                 | Operational                  |
| 87  | Fixed Resistors                               | 15  | pcs. |               |           |                 | Operational                  |
| 88  | Lamp Loads                                    | 15  | sets |               |           |                 | Operational                  |
| 89  | Variable Capacitor                            |     |      |               |           |                 |                              |



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|-----|---------------------------------------------------------------|-----|------|---------------|-----------|-----------------|-----------------|
| 90  | Desktop Computer                                              | 1   | pc.  |               |           |                 | Operational     |
| 91  | Vacuum Cleaner                                                | 1   | pc.  |               |           |                 | Operational     |
| 92  | Thermal Grease HT-GY260                                       | 13  | pcs. |               |           |                 | Operational     |
| 93  | Contact Cleaner                                               | 5   | pcs. |               |           |                 | Operational     |
| 94  | Instructional Table                                           | 9   | pcs. |               |           |                 | Operational     |
| 95  | Koppel Super Inverter (Air Conditioner)                       | 1   | pc.  | 10/15/2019    |           | 19-032-A        | Not Operational |
| 96  | AM Generator Module                                           | 5   | pcs. |               |           |                 | Not Operational |
| 97  | AM Reciever Module, AM2961B                                   | 5   | pcs. |               |           |                 | Not Operational |
| 98  | Breadboard                                                    | 5   | pcs. |               |           |                 | Operational     |
| 99  | Capacitors                                                    | 5   | pcs. |               |           |                 | Operational     |
| 100 | Carbon Resistors                                              | 5   | pcs. |               |           |                 | Operational     |
| 101 | Connecting Wires                                              | 5   | pcs. |               |           |                 | Operational     |
| 102 | FM Generator Module                                           | 5   | pcs. |               |           |                 | Not Operational |
| 103 | FM Reciever Module                                            | 5   | pcs. |               |           |                 | Not Operational |
| 104 | Software for simulation of AM                                 | 5   | pcs. |               |           |                 | Operational     |
| 105 | Tuned Circuits and Filter Module                              | 5   | pcs. |               |           |                 | Not Operational |
| 106 | Semiconductor devices circuit board                           | 5   | pcs. |               |           |                 | Not Operational |
| 107 | Transistor amplifier circuit board                            | 5   | pcs. |               |           |                 | Not Operational |
| 108 | Filter Expiremental Module                                    | 5   | pcs. |               |           |                 | Not Operational |
| 109 | Lamp                                                          | 10  | pcs. |               |           |                 | Not Operational |
| 110 | Laser Diode                                                   | 10  | pcs. |               |           |                 | Not Operational |
| 111 | LED                                                           | 10  | pcs. |               |           |                 | Operational     |
| 112 | Photodetector                                                 | 10  | pcs. |               |           |                 | Not Operational |
| 113 | Photodiode                                                    | 10  | pcs. |               |           |                 | Not Operational |
| 114 | PLC Training Module with Simulation Software                  | 5   | pcs. |               |           |                 | Not Operational |
| 115 | SCRs                                                          | 10  | pcs. |               |           |                 | Operational     |
| 116 | SPST Switches                                                 | 10  | pcs. |               |           |                 | Operational     |
| 117 | Transducers and Transmitter Training Module                   | 5   | sets |               |           |                 | Not Operational |
| 118 | TRIACS                                                        | 10  | pcs. |               |           |                 | Operational     |
| 119 | UJTs                                                          | 10  | pcs. |               |           |                 | Operational     |
| 120 | I/O Board                                                     | 5   | pcs. |               |           |                 | Operational     |
| 121 | Stepper Motor                                                 | 5   | pcs. |               |           |                 | Operational     |
| 122 | Rheostat (variable resistor)                                  | 15  | pcs. |               |           |                 | Operational     |
| 123 | Square Wave Generator                                         | 5   | pcs. |               |           |                 | Operational     |
| 124 | Strain Gauge                                                  | 5   | pcs. |               |           |                 | Not Operational |
| 125 | Variable Capacitive Load                                      | 5   | pcs. |               |           |                 | Operational     |
| 126 | Variable Inductive Load                                       | 5   | pcs. |               |           |                 | Operational     |
| 127 | Variable Resistive Load                                       | 5   | pcs. |               |           |                 | Operational     |
| 128 | Circuit Training Kit/Module                                   | 5   | sets |               |           |                 | Operational     |
| 129 | PC with software for mathematical Computation and programming | 5   | pcs. |               |           |                 | Operational     |
| 130 | Wattmeter                                                     | 5   | pcs. |               |           |                 | Operational     |
| 131 | Microprocessor Trainer                                        | 5   | pcs. |               |           |                 | Operational     |
| 132 | DC Motors                                                     | 5   | pcs. |               |           |                 | Operational     |



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|-----|------------------------------------------------------------------------------------|-----|-------|---------------|-----------|-----------------|-----------------|
| 133 | Two Winding Transformer                                                            | 5   | units |               |           |                 | Not Operational |
| 134 | Single-phase capacitive Load                                                       | 5   | pcs.  |               |           |                 | Operational     |
| 135 | Single-phase inductive Load                                                        | 5   | pcs.  |               |           |                 | Operational     |
| 136 | Single-phase wattmeter                                                             | 15  | pcs.  |               |           |                 | Operational     |
| 137 | Three-phase power supply                                                           | 5   | units |               |           |                 | Operational     |
| 138 | 3-Phase SCIM                                                                       | 1   | pc.   |               |           |                 | Not Operational |
| 139 | 3-Phase/1-Phase DC servo motor                                                     | 5   | pcs.  |               |           |                 | Operational     |
| 140 | 3-Phase/1-Phase SCR motor drive                                                    | 5   | units |               |           |                 | Operational     |
| 141 | 3-Phase Transformer                                                                | 10  | units |               |           |                 | Operational     |
| 142 | 3-Pole, 6A TOR                                                                     | 5   | pcs.  |               |           |                 | Operational     |
| 143 | 3-Pole, 9A contractor                                                              | 5   | pcs.  |               |           |                 | Operational     |
| 144 | 3-pole, 9A MCCB                                                                    | 5   | pcs.  |               |           |                 | Operational     |
| 145 | 4PDT control Relay                                                                 | 5   | pcs.  |               |           |                 | Operational     |
| 146 | Auto-transformer with available secondary taps (60%,70% & 85%)                     | 10  | units |               |           |                 | Not Operational |
| 147 | DC Shunt Motor                                                                     | 5   | units |               |           |                 | Operational     |
| 148 | Disconnect Switch, 3-pole,32A                                                      | 5   | pcs.  |               |           |                 | Not Operational |
| 149 | Electronic Control ATS                                                             | 5   | pcs.  |               |           |                 | Operational     |
| 150 | External Power Resistors (R=25%Ra, 50%Ra, 75%Ra, 100%Ra) Power rating 50% of motor | 10  | pcs.  |               |           |                 | Operational     |
| 151 | Inverter Motor Drive (variable frequency)                                          | 5   | units |               |           |                 | Operational     |
| 152 | Momentary Switch                                                                   | 5   | pcs.  |               |           |                 | Operational     |
| 153 | Tachometer                                                                         | 5   | pcs.  |               |           |                 | Operational     |
| 154 | Torque Controller with Indicator                                                   | 5   | units |               |           |                 | Operational     |
| 155 | Universal Motor Controller (UMR)                                                   | 5   | units |               |           |                 | Operational     |
| 156 | Variable Autotransformer (VARIAC)                                                  | 5   | pcs.  |               |           |                 | Operational     |
| 157 | AC Series Motor and White Torque Discs                                             | 5   | units |               |           |                 | Operational     |
| 158 | Cage-rotor Induction Machine                                                       | 5   | units |               |           |                 | Operational     |
| 159 | DC Compound Motor                                                                  | 20  | units |               |           |                 | Operational     |
| 160 | Direct-on-line Starter                                                             | 5   | units |               |           |                 | Operational     |
| 161 | Freeware for Analysis of AC Machines Characteristics & Performance                 | 1   | pc.   |               |           |                 | Operational     |
| 162 | Slip Ring Machine                                                                  | 5   | units |               |           |                 | Operational     |

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