

## Department Laboratories:

S. No	Name of the Laboratory	Room No	Constituents in Lab	Resources available	Lab Assistant
1	Digital Electronic Circuits Lab – 1 (EC1701)	ECG23	<ol style="list-style-type: none"> <li>DIGITAL STORAGE OSCILLOSCOPE – 16</li> <li>DIGITAL IC TESTER – 1</li> <li>LINEAR IC TESTER – 1</li> <li>FIXED POWER SUPPLY – 7</li> <li>DIGITAL MULTI METER – 10</li> <li>PULSE GENERATOR – 17</li> <li>DIGITAL FREQUENCY COUNTER – 2</li> <li>5KVA SERVO STABILIZER – 1</li> </ol>	Manual Link: <a href="https://drive.google.com/file/d/1XMZJusYzmubPPI91FIUqyunrAYxsPmW/view?usp=sharing">https://drive.google.com/file/d/1XMZJusYzmubPPI91FIUqyunrAYxsPmW/view?usp=sharing</a> Videos of Experiments: <a href="https://www.youtube.com/playlist?list=PLonTFLRiVeTDRkTIZr-kBXvZI86CAPoZO">https://www.youtube.com/playlist?list=PLonTFLRiVeTDRkTIZr-kBXvZI86CAPoZO</a>	Ch. Raju
2	Digital Electronic Circuits Lab – 2 (EC1701)	ECG25	<ol style="list-style-type: none"> <li>DIGITAL STORAGE OSCILLOSCOPE – 11</li> <li>FIXED POWER SUPPLY – 5</li> <li>DIGITAL MULTI METER – 10</li> <li>PULSE GENERATOR – 11</li> <li>5KVA SERVO STABILIZER – 1</li> </ol>	Manual Link: <a href="https://drive.google.com/file/d/1XMZJusYzmubPPI91FIUqyunrAYxsPmW/view?usp=sharing">https://drive.google.com/file/d/1XMZJusYzmubPPI91FIUqyunrAYxsPmW/view?usp=sharing</a> Videos of Experiments: <a href="https://www.youtube.com/playlist?list=PLonTFLRiVeTAEp5ZYpT13SP4w9ac0Dt55">https://www.youtube.com/playlist?list=PLonTFLRiVeTAEp5ZYpT13SP4w9ac0Dt55</a>	A.Chaitanya
3	Electronic Devices and Circuits lab – 1 (EC2702)	ECG27	<ol style="list-style-type: none"> <li>ANALOG OSCILLOSCOPE – 28</li> <li>FIXED POWER SUPPLY – 16</li> <li>DIGITAL MULTI METER – 25</li> <li>3MHz FUNCTION GENERATOR – 28</li> <li>5KVA SERVO STABILIZER – 1</li> <li>DEMO CRO – 1</li> <li>FUNCTION GENERATOR TRAINER KIT – 3</li> <li>POWER SUPPLY TRAINER KIT – 3</li> <li>STUDIES ON ANALOG CIRCUITS USING OP-AMP TRAINER KIT – 25</li> <li>STUDIES ON SMALL SIGNAL CE AMPLIFIER TRAINER KIT – 25</li> <li>STUDIES ON LOGIC GATES TRAINER KIT – 25</li> <li>STUDIES ON RECTIFIERS AND POWER SUPPLIES TRAINER KIT – 25</li> <li>SOLDERING STATION – 1</li> <li>Regulated Power Supply 0 to 30V, 2A – 7</li> <li>10MHz FUNCTION GENERATOR – 7</li> </ol>	Manual Link: <a href="https://drive.google.com/file/d/1l2WZqpXcxvrBRIAHB9Pgl0V0b2F2fVbb/view?usp=sharing">https://drive.google.com/file/d/1l2WZqpXcxvrBRIAHB9Pgl0V0b2F2fVbb/view?usp=sharing</a> Videos of Experiments: <a href="https://www.youtube.com/playlist?list=PLonTFLRiVeTAHr_lx7C8DqMSk4hdO_hlO">https://www.youtube.com/playlist?list=PLonTFLRiVeTAHr_lx7C8DqMSk4hdO_hlO</a>	R. Ganapathi

4	Electronic Devices and Circuits lab – 2 (EC2702)	ECG29	<ol style="list-style-type: none"> <li>1. ANALOG OSCILLOSCOPE – 27</li> <li>2. FIXED POWER SUPPLY – 16</li> <li>3. DIGITAL MULTI METER – 25</li> <li>4. 3MHz FUNCTION GENERATOR – 27</li> <li>5. 5KVA SERVO STABILIZER – 1</li> <li>6. DEMO CRO – 1</li> <li>7. STUDIES ON ANALOG CIRCUITS USING OP-AMP TRAINER KIT – 25</li> <li>8. STUDIES ON SMALL SIGNAL CE AMPLIFIER TRAINER KIT – 25</li> <li>9. STUDIES ON LOGIC GATES TRAINER KIT – 25</li> <li>10. STUDIES ON RECTIFIERS AND POWER SUPPLIES TRAINER KIT – 25</li> <li>11. Regulated Power Supply 0 to 30V, 2A – 7</li> <li>12. 10MHz FUNCTION GENERATOR – 7</li> </ol>	<p>Manual Link:  <a href="https://drive.google.com/file/d/1I2WZqpXcxvrBRIAHB9Pgl0V0b2F2fvbb/view?usp=sharing">https://drive.google.com/file/d/1I2WZqpXcxvrBRIAHB9Pgl0V0b2F2fvbb/view?usp=sharing</a></p> <p>Videos of Experiments:  <a href="https://www.youtube.com/playlist?list=PLonTFLRiVeTAHr_lx7C8DqMSk4hdO_hlO">https://www.youtube.com/playlist?list=PLonTFLRiVeTAHr_lx7C8DqMSk4hdO_hlO</a></p>	R. Ganapathi
5	Analog Circuits lab - 1 (EC2801)	ECF21	<ol style="list-style-type: none"> <li>1. Dual Regulated Power Supply 0 to 30V – 27</li> <li>2. DIGITAL STORAGE OSCILLOSCOPE– 27</li> <li>3. 3MHz FUNCTION GENERATOR – 27</li> <li>4. DEMO CRO – 1</li> <li>5. DIGITAL MULTI METER – 25</li> <li>6. SOLDERING STATION – 1</li> <li>7. 5KVA SERVO STABILIZER – 1</li> <li>8. Regulated Power Supply 0 to 30V, 1A – 10</li> <li>9. Regulated Power Supply 0 to 30V, 2A – 2</li> <li>10. 10MHz FUNCTION GENERATOR – 12</li> </ol>	<p>Manual Link:  <a href="https://drive.google.com/file/d/1IVvxx1S3TLX00JKgwhVlquZgeiaaJOe8/view?usp=sharing">https://drive.google.com/file/d/1IVvxx1S3TLX00JKgwhVlquZgeiaaJOe8/view?usp=sharing</a></p> <p>Videos of Experiments:  <a href="https://www.youtube.com/playlist?list=PLonTFLRiVeTDH5q8SiOiU-eMZcRxoS80b">https://www.youtube.com/playlist?list=PLonTFLRiVeTDH5q8SiOiU-eMZcRxoS80b</a></p>	K. Sudheer Kumar
6	Analog Circuits lab – 2 (EC2801)	ECF22	<ol style="list-style-type: none"> <li>1. Dual Regulated Power Supply 0 to 30V – 28</li> <li>2. DIGITAL STORAGE OSCILLOSCOPE– 28</li> <li>3. 3MHz FUNCTION GENERATOR – 28</li> <li>4. DEMO CRO – 1</li> <li>5. DIGITAL MULTI METER – 25</li> <li>6. SOLDERING STATION – 1</li> <li>7. 5KVA SERVO STABILIZER – 1</li> <li>8. Regulated Power Supply 0 to 30V, 1A – 10</li> <li>9. Regulated Power Supply 0 to 30V, 2A – 3</li> <li>10. 10MHz FUNCTION GENERATOR – 12</li> </ol>	<p>Manual Link:  <a href="https://drive.google.com/file/d/1IVvxx1S3TLX00JKgwhVlquZgeiaaJOe8/view?usp=sharing">https://drive.google.com/file/d/1IVvxx1S3TLX00JKgwhVlquZgeiaaJOe8/view?usp=sharing</a></p> <p>Videos of Experiments:  <a href="https://www.youtube.com/playlist?list=PLonTFLRiVeTDH5q8SiOiU-eMZcRxoS80b">https://www.youtube.com/playlist?list=PLonTFLRiVeTDH5q8SiOiU-eMZcRxoS80b</a></p>	K. Sudheer Kumar

7	Analog and Digital Communications lab (EC3701)	ECG24	<ol style="list-style-type: none"> <li>1. DIGITAL STORAGE OSCILLOSCOPE– 20</li> <li>2. 20MHz FUNCTION GENERATOR – 22</li> <li>3. DIGITAL PHOSPHOR OSCILLOSCOPE – 1</li> <li>4. SOLDERING STATION – 1</li> <li>5. SPECTRUM ANALYZER – 1</li> <li>6. 5KVA SERVO STABILIZER – 1</li> <li>7. PROGRAMMABLE DC POWER SUPPLY – 1</li> <li>8. LINEAR MODULAR DUAL TRACKING POWER SUPPLY(+/-15V/2A) – 4</li> <li>9. DISTORTION METER – 4</li> <li>10. LCR METER – 2</li> <li>11. FIBER OPTIC TRAINER – 2</li> <li>12. DATA FORMATTING &amp; CARRIER MODULATION TX TRAINER – 3</li> <li>13. CARRIER DEMODULATION &amp; DATA REFORMATTING RX TRAINER – 3</li> <li>14. PCM MODULATION &amp; DEMODULATION USING CODEC CHIP – 3</li> <li>15. FIXED POWER SUPPLY – 4</li> <li>16. ASLKV2010 STARTER KIT – 6</li> <li>17. GPS – 2</li> <li>18. ADVANCED 8086 MICROPROCESSOR TRAINER – 1</li> <li>19. 2 CHANNEL 8-BIT ADC – 1</li> <li>20. 12 BIT ADC – 1</li> <li>21. AUTOMATIC GAIN CONTROLLER – 5</li> <li>22. AM TRANSMITTER – 10</li> <li>23. SYNCHRONOUS DETECTOR – 5</li> <li>24. FREQUENCY MODULATION DEMODULATION TRAINER – 5</li> <li>25. RF MIXER SETUP – 5</li> <li>26. HERTLY OSCILLATOR – 5</li> <li>27. AM RECEIVER TRAINER – 5</li> <li>28. FIXED POWER SUPPLY(AD-01) – 10</li> <li>29. DIGITAL MULTI METER – 10</li> <li>30. 20MHz FUNCTION GENERATOR – 10</li> <li>31. 10MHz FUNCTION GENERATOR – 12</li> <li>32. 50MHz DIGITAL STORAGE OSCILLOSCOPE – 8</li> <li>33. Regulated Power Supply 0 to 30V, 2A – 1</li> </ol>	<p>Manual link:  <a href="https://drive.google.com/file/d/1JIBbR3NvgfgvtVGx1gHXrMaQP7lcfWLR/view?usp=sharing">https://drive.google.com/file/d/1JIBbR3NvgfgvtVGx1gHXrMaQP7lcfWLR/view?usp=sharing</a></p> <p>Videos of Experiments:  <a href="https://www.youtube.com/playlist?list=PLonTFLRiVeTAOQzecFhbG5CbftBBx7aKO">https://www.youtube.com/playlist?list=PLonTFLRiVeTAOQzecFhbG5CbftBBx7aKO</a></p>	V. Naresh
---	------------------------------------------------	-------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------

			34. Fixed Power Supply 0 to $\pm 5V$ , $\pm 12V$ @ 1A – 12		
8	Digital Signal Processing lab (EC3702)	ECF24	<ol style="list-style-type: none"> <li>1. DSP STARTER KIT TMS320C6416 – 5</li> <li>2. DSP STARTER KIT TMS320C5416 – 1</li> <li>3. DSP STARTER KIT TMS320C6713 – 5</li> <li>4. DSP STARTER KIT TMS320C6748 – 1</li> <li>5. ANALOG DISCOVERY KITS – 5</li> <li>6. DESKTOP CPU &amp; MONITOR – 37 INSTALLED WITH MATLAB 2018a SOFTWARE.</li> </ol>	<p>Manual Link:  <a href="https://drive.google.com/file/d/13iNjIv5Nu4xVHCgD53cZr4fYzm2PXpj/view?usp=sharing">https://drive.google.com/file/d/13iNjIv5Nu4xVHCgD53cZr4fYzm2PXpj/view?usp=sharing</a></p> <p>Videos of Experiments:  <a href="https://www.youtube.com/playlist?list=PLonTFLRiVeTD65C3ZDwuUfpcmS-1pxjMQ">https://www.youtube.com/playlist?list=PLonTFLRiVeTD65C3ZDwuUfpcmS-1pxjMQ</a></p>	Md. Haneef
9	RF and Microwave Eng. Lab (EC3703)	ECG26	<ol style="list-style-type: none"> <li>1. GUNN POWER SUPPLY – 7</li> <li>2. KLYSTRON POWER SUPPLY – 6</li> <li>3. VSWR METER – 13</li> <li>4. ADVANCE MIC TRAINER – 1 Set</li> <li>5. RADIATION PATTERN TABLE – 2</li> <li>6. TURN TABLE – 2</li> <li>7. HAND HELD CABLE ANTENNA &amp; NETWORK ANALYZER – 1</li> <li>8. 5KVA SERVO STABILIZER – 1</li> <li>9. EMC BUNDLE-3 MEASUREMENT FOR NEAR &amp; FAR FIELD MEASUREMENT – 1 Set</li> <li>10. HYPERLOG ANTENNA – 2</li> <li>11. BICOLOG ANTENNA – 2</li> <li>12. CALIBRATION RESISTOR DC-18GHz – 1</li> <li>13. OMNILOG ANTENNA – 1</li> <li>14. 14 BIT DUAL ADC UBB V240DB AMPLIFIER – 2</li> <li>15. SPREAD CANOPY – 1</li> <li>16. SHIELDING MAT – 1</li> <li>17. DC BLOCKER – 1</li> <li>18. AMMETER – 12</li> </ol>	<p>Manual Link:  <a href="https://drive.google.com/file/d/1bzzssshkELHF8Dr9M2Em8_kekAA7PiYn/view?usp=sharing">https://drive.google.com/file/d/1bzzssshkELHF8Dr9M2Em8_kekAA7PiYn/view?usp=sharing</a></p> <p>Videos of Experiments:  <a href="https://www.youtube.com/playlist?list=PLonTFLRiVeTAA7LCxPeWghlRpgOZyrrhR">https://www.youtube.com/playlist?list=PLonTFLRiVeTAA7LCxPeWghlRpgOZyrrhR</a></p>	G. Prashanth
10	Micro-Controllers lab (EC3801)	ECF26	<ol style="list-style-type: none"> <li>1. DESKTOP CPU &amp; MONITOR – 29 INSTALLED WITH TRITON IDE, XILINX ISE 14.5 software.</li> <li>2. MICROCONTROLLER LAB 8051 BOARDS – 30</li> <li>3. TRITON IDE FOR 8051 EVALUATION BOARDS – 25</li> <li>4. STEPPER MOTOR INTERFACE CARD – 5</li> <li>5. DC MOTOR INTERFACE CARD – 5</li> <li>6. 16 DIP SWITCH AND 16 LED INTERFACE CARD – 5</li> <li>7. 8 BIT ADC CARD – 5</li> <li>8. 8 BIT DAC CARD – 5</li> </ol>	<p>Manual link:  <a href="https://drive.google.com/file/d/1NqrQvihBWW7WAIsb7Z6vkYpI6T16kx7g/view?usp=sharing">https://drive.google.com/file/d/1NqrQvihBWW7WAIsb7Z6vkYpI6T16kx7g/view?usp=sharing</a></p> <p>Videos of Experiments:  <b>Link 1:</b>  <a href="https://www.youtube.com/playlist?list=PLonTFLRiVeTCF1uHO0fxY_y1T2BmoPiub">https://www.youtube.com/playlist?list=PLonTFLRiVeTCF1uHO0fxY_y1T2BmoPiub</a>  <b>Link 2:</b>  <a href="https://www.youtube.com/playlist?list=PLbNNuhvID_Gs3JMyr3QFBL_A-3xWIAjDA">https://www.youtube.com/playlist?list=PLbNNuhvID_Gs3JMyr3QFBL_A-3xWIAjDA</a></p>	G. Raj Kiran Gupta

			<ul style="list-style-type: none"> <li>9. TRAFFIC LIGHT MODULE – 5</li> <li>10. LIFT CONTROL MODULE – 5</li> <li>11. TEMPERATURE SENSOR MODULE – 5</li> <li>12. 8051 EVALUATION BOARD WITH INTERFACE CARDS – 4</li> <li>13. ALL IN ONE PERIPHERAL CARD – 4</li> </ul>		
11	Digital Systems Design and VLSI Lab (EC3802)	ECF23	<ul style="list-style-type: none"> <li>1. DESKTOP CPU &amp; MONITOR – 30 INSTALLED WITH CADENCE FE &amp; BE WITH 30 LICENSES ON OS – RHEL7.5.</li> <li>2. DESKTOP CPU &amp; MONITOR – 9 INSTALLED WITH MATLAB 2018a.</li> <li>3. NB3000 FPGA KITS – 5</li> <li>4. WARP V3(VIRTEX-6 FPGA, 2 INTEGRATED RADIOS) WITH CABLES &amp; ACCESSORIES – 2</li> <li>5. XILINX ATLYS SPARTAN 6 BOARD HDMI AUDIO CODES – 3</li> <li>6. XILINX SPARTAN 3E BOARD VGA – 1</li> <li>7. XILINX ZYNQ EVALUATION BOARD (ZED BOARD) – 1</li> <li>8. MSP-EXP430F5438 – 6</li> <li>9. MSP-FET430UIF – 6</li> </ul>	<p>Manual link:  <a href="https://drive.google.com/file/d/1oEPcTCNARS_n_Z3B6p3y-oH6WxLwDcSaN/view?usp=sharing">https://drive.google.com/file/d/1oEPcTCNARS_n_Z3B6p3y-oH6WxLwDcSaN/view?usp=sharing</a>  Videos of Experiments:  <a href="https://www.youtube.com/playlist?list=PLonTFLRiVeTB81XtGsroSYIH5Fse9NnVL">https://www.youtube.com/playlist?list=PLonTFLRiVeTB81XtGsroSYIH5Fse9NnVL</a></p>	I. Raj Kiran