**NETWORK & THEOREMS**

### m-Derived high and low pass filters Trainer

**Constant – K high and low pass filters Trainer**

 With different values of capacitors and inductors provided on board to observe different outputs

**Kirchoff’s laws Trainer**

 Built in variable voltage supply of 0 -12V.

 Built in fixed power supply of+5V.

 Different values of resistors provided to observe different outputs

**Series and Parallel Resonance (LCR) Trainer with one meter.**

 One micro ammeter fixed in board (250uA)

 Different values of resistors, capacitors and inductors are given to observe different outputs.

**RC Circuits Trainer with two Digital meters.**

 Built in fixed power supply of +15V.

 Built in variable power supply of 0-10V.

 0-20V,0-2000mA,meters provided on board.

 Speaker, Timer, Reset with charging and discharging selecting switch is provided onboard.

**Thevenin’s and Norton’s Theorems Trainer**

 Built in variable power supply of 0-12V.

 Thevenin's and Norton's theorems and equivalent circuits are provided on one board.

**Superposition and maximum power transfer Theorem Trainer**

 Built in fixed power supply of +5V.

 Built in variable power supply of 0-12V.

 Super position and maximum power transfer circuits are in one board.

**RC low pass and high pass filters Trainer**

**Miller’s Theorem Trainer**

 Built in fixed power supplies of +12V, +5V

 Different values of resistors are provided to observe different outputs.

**Measurement of Image Impedance Trainer**

 Built in variable power supply of 0-12V.

 Different values of resistors are provided to observe different outputs.

**RC & RL Circuits Trainer**

 10KW potentiometer provided on board

 RC and RL low and high pass filters and series

 RLC circuit are provided in one board.

**Reciprocity Theorem Trainer**

 Built in variable power supply of 0-12V

 General and equivalent circuits are provided in one board

### Phase Difference between voltage across and current through capacitor & inductor

**Millimans Theorem Trainer**

 Built in fixed power supplies of +5V, +12V

 Built in variable power supply of 0-12V

**Compensation Theorem Trainer**

 Built in fixed power supplies of +12V.

 Built in variable power supply of 0-12V