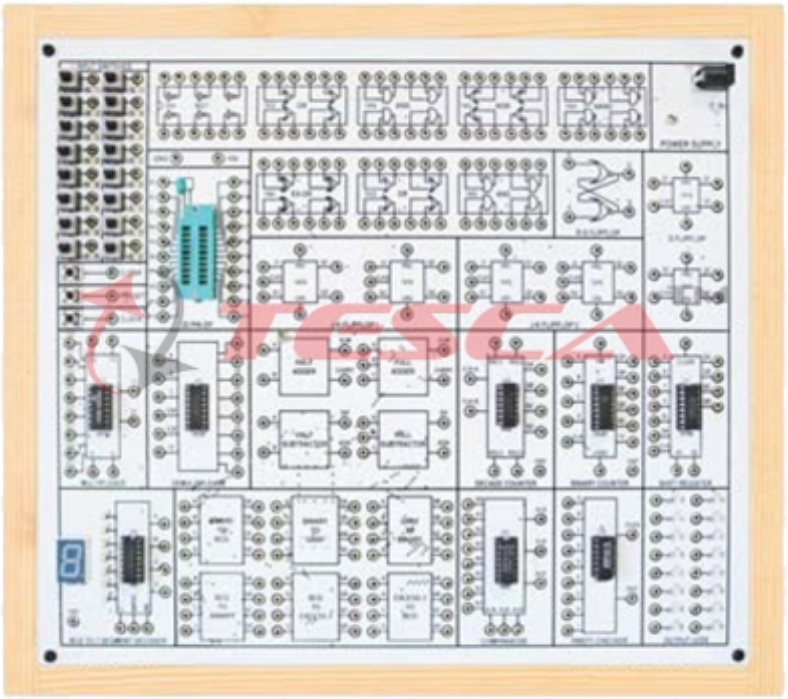

Specifications

- Built in regulated power supply
- Covers basic logic gates, universal gates, flip-flops, counters, resistors, multiplexer and de-multiplexer, seven segment display driver, parity generator / checker and code converters
- Easy interconnections between circuits
- On-board resources such as logic switches for providing inputs to digital ICs and LED indicators to check the outputs from the digital ICs
- 20 pin ZIF socket
- Basic logic gate ICs
- NOT (IC-7404), OR (IC-7432), AND (IC-7408), NOR (IC-7402), NAND (IC-7400), EX-0R (IC-7486)
- NAND and NOR gates as universal logic gates
- De-Morgan's theorem I and II
- Boolean equation
- Half adder, full adder, half subtractor, full subtractor
- Basic flip-flops RS (using NOR), JK (IC-7476), D (IC-7474), MS-JK (IC-7476), D (IC-7474) and T (using JK)
- Ripple counter (IC-7490)
- Synchronous binary counter (IC-74191)
- 4-bits ring counter using IC-7476
- Decade / BCD counter using IC-7490
- Universal shift register IC-74194
- 9-bits parity generator / checker (IC-74280)
- Multiplexer (IC-74153) and De-multiplexer (IC-74138)
- BCD to seven segment decoder (IC-7447)
- 4-bits comparator (IC-7485)
- Binary to Gray, Gray to Binary, Binary to BCD, BCD to Binary, BCD to Excess-3, Excess- 3 to BCD
- Switches to provide logic 0 and 1 inputs with indication
- LEDs to observe the output logic states
- Manual clock to observe the counter operation

Note: Specifications are subject to change.

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