



Base Configuration

- Actual vehicle electrical components mounted on an open-frame panel or cutaway car body
- Steel frame on lockable wheels for mobility
- Modular panel layout (clearly labeled sections for ease of training)
- Transparent or semi-open sections to visualize wiring and connections

Included Electrical Circuits

Basic Vehicle Systems:

- Battery & fuse box
- Ignition system (key switch, starter motor, ignition coil, distributor)
- Charging system (alternator with voltage regulator)
- Lighting system (headlights, taillights, indicators, brake lights)
- Wiper & washer system

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com

- Horn circuit

Comfort & Auxiliary Systems:

- Power windows
- Central locking
- Air conditioning relay & fan circuits
- Rear defogger circuit
- Reverse light & parking sensor mockup

Advanced System Options (Optional, High-End Models):

- CAN-BUS network (simplified)
- ECU mockup for engine management system (non-functional visual demo or simulation)
- OBD-II interface for diagnostics demo

Control and Interaction

- **Front control panel:**
 - Manual switches for each circuit (on/off, momentary)
 - Fuses and relays
- **Fault insertion panel** (for simulating real-world faults)
- **Visual Indicators:**
 - LED indicators for voltage/path visualization
 - Clear wiring layout with labeled harness paths

Safety Features

- 12V operation via protected DC power supply
- Short-circuit protection
- Emergency stop button

Educational Features

- Instructor control panel with fault simulation (10+ fault types)
- Circuit diagram boards mounted beside or integrated into each section

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
 India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
 Sitapura Extension, Jaipur-302022, India.



info@tesca.in
 www.tescaglobal.com



- Optional digital multimeter interface

Can be used to teach:

- Troubleshooting
- Relay logic
- Voltage drop and current flow
- Wiring diagram reading

Package Inclusions

- User manual and wiring diagram documentation
- Instructor/student lab exercises

Optional

- PC software for simulation and monitoring (USB or Bluetooth)

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



Export Sales: +91-9829132777
India Sales: +91-9588842361



IT-2013, Ramchandrapura Industrial Area,
Sitapura Extension, Jaipur-302022, India.



info@tesca.in
www.tescaglobal.com