SMART LAB

STPI in association with Government of Karnataka has set up **SMART** (Semiconductor Measurement Analysis & Reliability Test) **Lab** at Tessolve Bangalore. The SMART Lab is equipped with the latest high-end test and measurement, and reliability equipment to provide an eco system that helps the semiconductor, product and system design companies. With proven test engineering expertise, highly skilled and efficient professionals and state of the art equipment and infrastructure the facility is incomparable.
The lab serves as a one stop hub for semiconductor characterization and end to end test solutions for modules and systems.
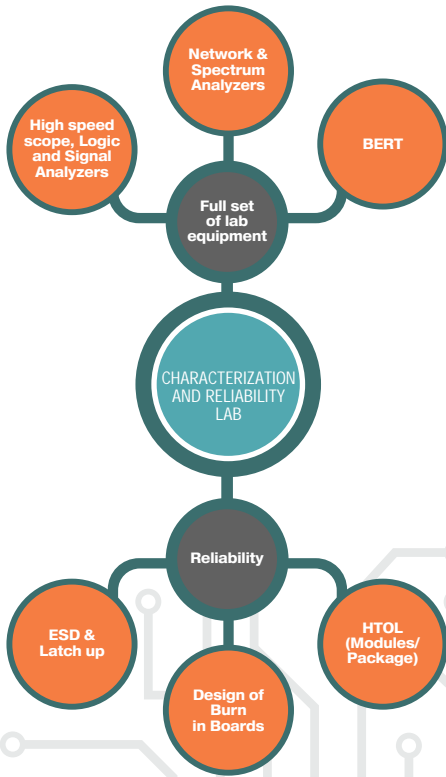
The SMART Lab brings together high end measurement equipments combined with highly skilled test engineers

ESD/LU & CDM · N/W Analyzer · Optical Imaging · Logic Analyzer · 16 GB Oscilloscope · Wide band Power Supply · Burn-in boards · Decapsulator · Spectrum Analyzer · SMART LAB Instruments · AWG · Thermo Stream · Pulse-Pattern Generator · DVM 8.5 Digit · HTOL (Module) · Audio Precision · HTOL (Package) · Bert · Bake Oven

Electrical Validation & Characterization

- USB2.0, USB 3.0, HDMI, SATA, SERDES etc.
- ADC/DAC, Mixed Signals
- Power Management Devices (PMIC)
- RF devices & Modules
- Test automation tools

Network & Spectrum Analyzers

High speed scope, Logic and Signal Analyzers

BERT

Full set of lab equipment

CHARACTERIZATION AND RELIABILITY LAB

Reliability

ESD & Latch up

Design of Burn in Boards

HTOL (Modules/ Package)

Reliability Tests

- End to end ESD test solutions
- HBM (Human body Model) upto 8kv
- MM (Machine Model) upto 4kv
- CDM (Charged device model) upto 4kv
- Latch up
- Dynamic burn-in solutions for Devices / Modules (HTOL)

TESSOLVE
Delivering Excellence in Semiconductor Engineering