

SKYWARD

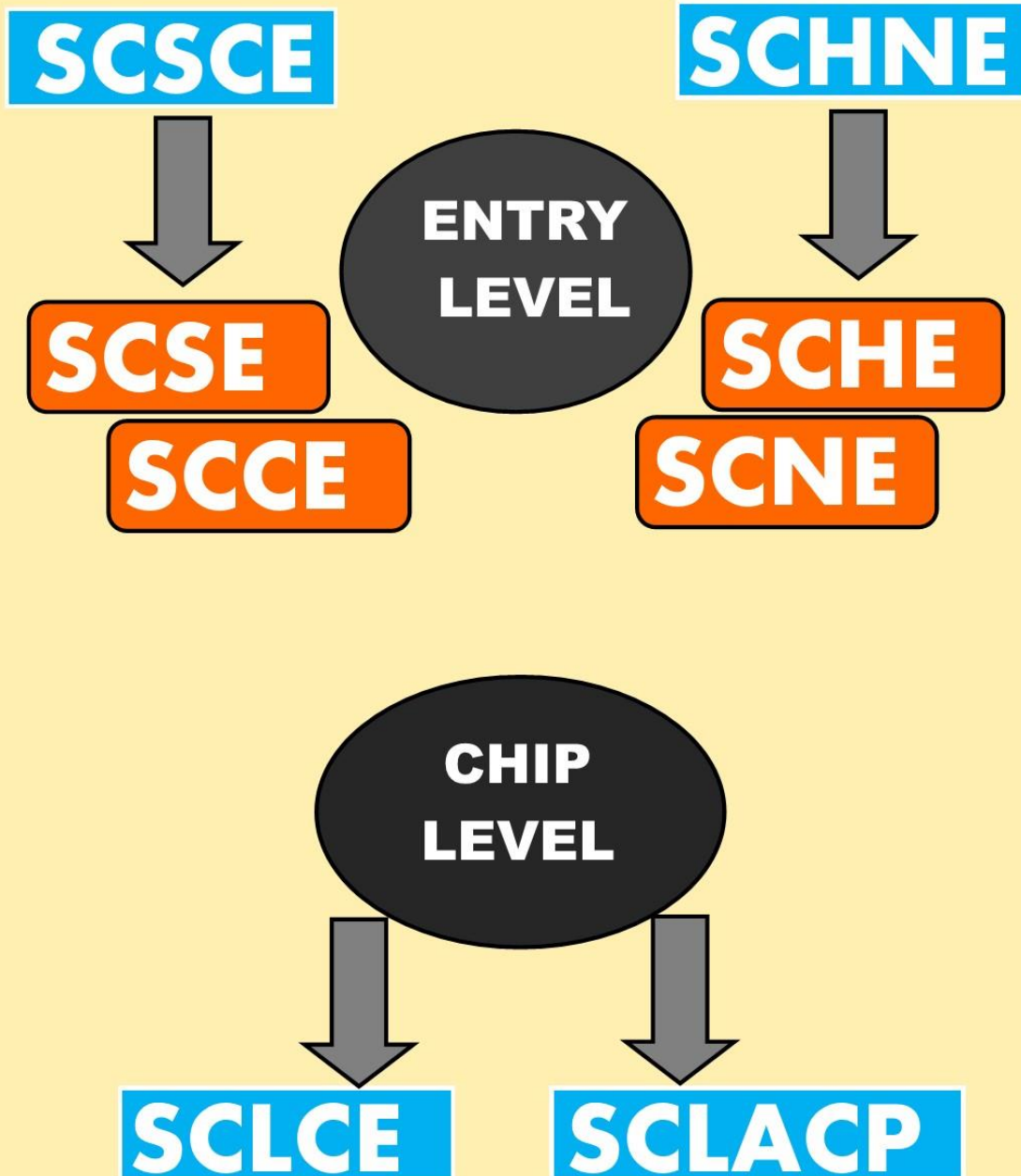
Beyond your future

SKYWARD

1ST FLOOR, N-5/18, IRC Village

Nayapalli, Bhubaneswar-15

9439489455, 7381254684



CHIP LEVEL



LAPTOP CHIP LEVEL TOOLS

- Micro Soldering Iron
- Tip Soldering Iron
- Hot Air Blower
- Magnifying Lenz with Lamp
- Liquid Flux
- Solid Flux
- IP
- Caption Tape
- Thermal Paste
- Disordering wik
- Jumper Wire

TESTING & REPAIRING EQUIPMENT

- Digital Multi-meter
- Universal AC adapter
- Debug card
- Oscilloscope
- Universal Power Supply
- Bios Programmer
- LCR Meter
- Oven

OTHER HARDWARE SPARES

- External Monitor
- External DVD Drive
- USB Keyboard / Mouse

ALL SECTION OF MOTHEBOARD

1. Voltage Generation Section
2. Controller & Connector Section

Voltage Generation Section

- VIN (Adaptor) Section
- Battery Charging Discharging Section
- Core (Processor) Section
- Ram Section
- Standby Section
- Voltage Conversion Section
- Chipset Section
 - ICH
 - MCH
 - PCH
 - DEDICATED GRAPHICS etc.

Controller & Connector Section

- Display Section
- VGA Section
- RTC Section
- I/O Section
- Clock Generator Section
- HDD Section
- ODD Section
- ROM Section
- Fan Controller Section
- Audio Section
- LAN Section
- Wireless Section
- USB Section
- Keyboard Section

- Touchpad Section
- Card Reader Section
- All External Connector Section etc.

IPC TRAINING

- The Basic IPC Training and Awareness.
- Soldering and De-Soldering of SMD Components.
- Track Building methods of damage tracks.

BASIC ELECTRONICS

5 CLASSES	TOPIC	10HOURS
CLASS 1	<ul style="list-style-type: none"> • What is Electronics? • Difference between Electrical & Electronics? • Matter • Atomic Structure • Voltage & current • Charge & Power • Frequency • Impedance 	2
CLASS 2	<ul style="list-style-type: none"> • Types of Circuits <ul style="list-style-type: none"> ✓ Open Circuit ✓ Closed circuit ✓ Short circuit • Series Circuit • Parallel Circuit • Types of Component • Resister • Introduction to breadboard • Working of Resister • Series combination of resister circuit • Parallel combination of resister circuit • Fuse 	4
CLASS 3	<ul style="list-style-type: none"> • Capacitor • Working of Capacitor • Series combination of capacitor Circuit • Parallel combination of Capacitor Circuit • Inductor • Working of Inductor • Series combination of Inductor Circuit • Parallel combination of Inductor Circuit 	6

	<ul style="list-style-type: none"> • LCR circuit • 	
CLASS 4	<ul style="list-style-type: none"> • Diode • Transistor • Mosfet 	8
CLASS 5	<ul style="list-style-type: none"> • Ohm's Law • Crystal • Integrated ICs • Types of IC • Packaging of ICs • Logic Gates 	10

TWO LEVEL OF MOTHERBOARD TRACING & REPAIRING

- Skyward Certified Laptop Chip Level Engineer
- Skyward Certified Laptop Advanced Chip Level Professional



SKYWARD CERTIFIED LAPTOP CHIP LEVEL ENGINEER

- Block Diagram Of Motherboard
- Block Diagram Of all Section
- Tracing all Section
- Fault Finding of all Section

- Bios Programming
- Using of Universal power supply
- All Voltages of Motherboard
- Power Sequence
- All Tips & tricks of Troubleshooting
- Repairing Data cables



Skyward Certified Laptop Advanced Chip Level Professional

- Introduction of Schematic Diagram
- All Voltages of Motherboard
- Power Sequence
- Introduction of all section with Schematic Diagram
- All Important Signals of the motherboard
- Datasheets of ICs
- Board View of Motherboards
- PCB layers of motherboard
- Types of PCB Boards
- Using of Oscilloscope
- Tracing of all section with signals
- Fault finding of all Section With Signals
- Flow Chart of all troubleshooting Steps
- All Tips & tricks of Troubleshooting
- Troubleshooting Guide of all popular model
- Repairing Data cables