

Electronics Design Center

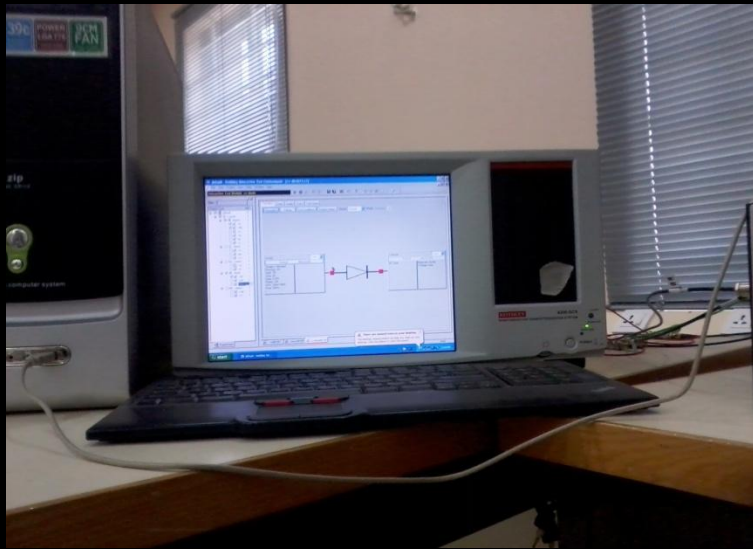
Performing cutting-edge fundamental and commercially driven research in electronic devices and circuits, wireless communication, radio frequency and microwave integrated circuits since January 2011



NED University of Engineering & Technology
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Research Labs

- RF (Radio Frequency) Lab
- DC (Device Characterization) Lab



Semiconductor Characterization System



IC Testing Probe Station

Facilities

- Vector Network Analyzer (R&S® ZVB8)
- Signal Generators (TGA1240 and TGR2050)
- Spectrum Analyzer (Agilent E4408B-BAS ESA-L)
- Probe Station
- Keithley 4200-SCS
- Software:
 - ✓ Cadence (IC Design)
 - ✓ Mentor Graphics (IC Design)
 - ✓ MicroTech (TCAD)
 - ✓ Sonnet (EM Simulation)



R&S ZVB8



Agilent E4408B-BAS ESA-L



Keithley 4200-SCS



Probe Station



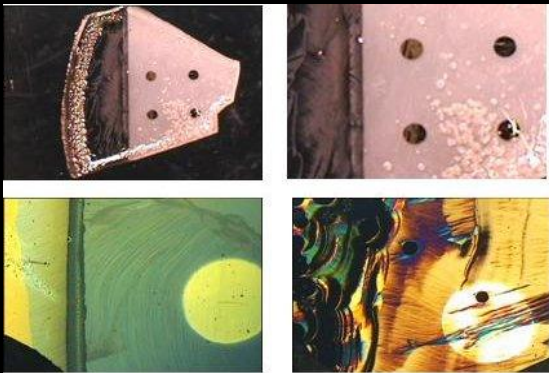
TGR2050 and TGA1240

Projects

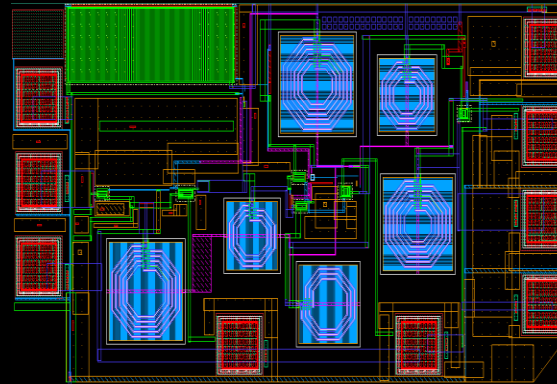
- Low Noise Amplifiers for RF Applications
- High Efficiency Power Amplifiers for RF Applications
- Wide Band-gap Semiconductor Based Electronic and Photonic Devices



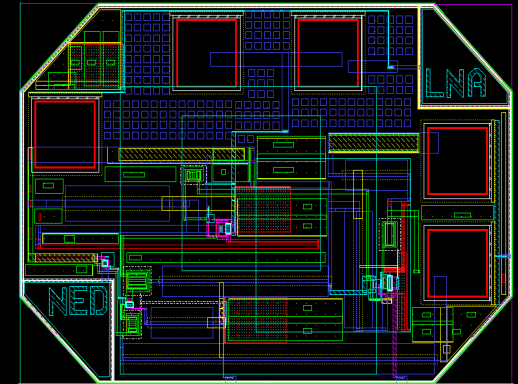
IC Testing using Probe Station



Free Standing GaN Schottky Diode



Layout Design of RFIC Chips



Contact Us

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