



EXPLORE INNOVATE EXCEL

PUNJAB ENGINEERING COLLEGE
(Deemed to be University)

Notice for procurement of Proprietary Article

The Department of Electronics and Communication Engineering of this institute is going to purchase Microwind Software user 10 with following specifications as Proprietary item of M/s Advance Tech Pvt. Ltd, SCO-8, Ajit Enclave, Zirakpur-Kalka Highway, Dhokali, Zirakpur 140603 Punjab through authorized reseller M/s Ni Logic Pvt. Ltd. Pune:-

Features/ Specifications:

- Design of logic circuits.
- 3D fabrication process simulator with cross sectional viewer
- Built-in SPICE-like analog simulator.
- Tool for fault analysis at the gate level of digital.
- Built-in extractor which can generate a SPICE netlist from the schematic diagram (Compatible with PSPICETM and WinSpiceTM).
- Generate a VERILOG description of the schematic for layout conversion.
- Model and assembly support for 8051 and PIC 16F84 microcontrollers.
- Sub-micron, deep-submicron, nanoscale technology support till 22 nanometers.
- Extraction of all MOS width and length.
- Extraction of Parasitic capacitance, inductance, crosstalk and resistance for all electrical nodes.
- Modular design support with insert mask layout facility.
- Simulation of non-volatile memories such as EPROM, EEPROM and FLASH using double-gate MOS
- Analysis of Transistor sizing on device performance and characteristics

The Proprietary Article Certificate issued by the firm is attached as Annexure-1. In case there is any other OEM/supplier/reseller for the said item, it shall be submit the proposal to the Head of Department, Electronics and Communication Engineering Department, of this Institute through email- [headec@pec.ac.in/](mailto:headec@pec.ac.in) hard copy latest by 01.02.2018 failing which the case for procurement of said item will be processed and finalized.

**Prof. & Head
ECE Deptt.**