

## ProSimulator

SIM INFOSYSTEMS, the World Leader of Process and Power Plant Simulator Systems, offers simulator based training solutions to Academic Institutes as part of AICTE-NEAT 2.0 program for enhancing Engineering Education.

**ProSimulator** is a high-end simulation based training platform for the engineering students to acquire the skills and knowledge of Industrial equipment and plants.



### Application

Engineering / Diploma students studying Mechanical, Electrical, Power generation, Process control, instrumentation, Chemical. Petroleum and Petrochemical.

#### PS1000 (Control & Instrumentation suite) helps the students to learn:

- Basic concepts of measurement and Instrumentation
- DCS operations
- Basic controls — Flow, pressure, level, temperature
- Advanced controls — Split range, cascade, ratio, 3-element boiler, feed forward / feedback controls.
- Tuning of P,I, D values
- Instrumentation troubleshooting.

#### PS2000 (Basic Process Operations Suite) helps the students to learn:

- Distillation
- Superheated Steam Boiler
- Centrifugal Pump
- Flash Tank
- Heat Exchanger
- Natural / Forced draft furnace
- CSTR, Fixed bed, Plug flow reactors
- Cyclone separator
- Crystallizer
- Centrifugal Compressor
- Compressor with Utilities
- Reciprocating compressor
- Evaporator
- Product Blending
- Gas Turbine
- Ball Mill
- PH Neutralization
- Batch Reactor
- Cement Plant Operation

### PS5000 (Thermal Power plant Operations Suite) helps the students to learn:

- Thermal Power plant
- Superheated Steam Generator
- Gas Turbine
- Boiler Operations suite
- Turbine Operations suite
- Electrical operations suite
- Hydroelectric Power plant
- Diesel Power Generator
- Nuclear Power plant
- Combined Cycle Power plant

### Requirements

One Server PC with Windows server operating system, 8 GB RAM, 200 GB Hard disk.

Students PCs - Intel processor, Windows 7 or above Operating System, 4 GB RAM, 100 GB Hard disk space, LAN network.

### Benefits

- ▶ Industrial Exposure for Students
- ▶ In-depth Process Understanding
- ▶ Carry out In-house projects
- ▶ Sound Fundamental Concepts of Process Control and safety with DCS Operations
- ▶ Understanding the Intricacy & Complexity of process dynamics
- ▶ Enhances Engineering skills and improves Employability

***Install the high-fidelity ProSimulator in your Lab Now!***

