# MAPUS⊘FT ACADEMIC PROGRAM

## MAP SOLUTION

In order to keep up with today's rapidly changing technology, MapuSoft Academic Program (MAP) provides faculty and students with access to design tools for the embedded market and real-time systems laboratories. With MAP implemented at your institution, students have the opportunity to develop optimized real-time applications for many industry leading commercial RTOS platforms under a simulated environment.

## EMBEDDED SYSTEMS LAB

The importance of embedded system is continuously growing. Although we may not realize it, most of us use embedded systems products every day of our lives. The manpower and number of companies developing products has grown exponentially over the years. Some of the products developed using embedded systems include:

- ABS controller of the car
- Automatic pilot of a aircraft
- Mobile phones
- Pacemakers
- Satellite communication devices
- Surveillance products
- Robotics
- Television set-top boxes
- Internet equipment



A MAP laboratory at any institution allows students to get trained on the latest technology....

"We would strongly recommend any technical education institute to go for MapuSoft's OS Simulator as it is ideal for educational institutions allowing students to gain experience working on various popular operating systems......"

- Dr.SRS. Prabhakaran, MInstP (UK), MIEEE, VITUniversity, Chennai Campus

## MAPUSOFT IMPLEMENTATION

Colleges and Universities are generally faced with a limited budget for equipment and software. Teachers and administrators must make hard choices about how to get the most out of what they have. Education suffers if students have limited access to the software tools and development environments used within industry. Students require a high level of access to the technology and tools that researchers and other professionals use on a daily basis.

With MAP implemented at your institution, students have the opportunity to develop optimized real-time applications for many industry leading OS platforms. OS Simulator solutions let's students compile, run and debug many industry leading real-time applications on a host PC. OS Simulator can also be used as a virtualized test bench for complex embedded applications without the need for expensive end-item/target hardware. OS Simulators are available to emulate the following Operating Systems:

- VxWorks® (Wind River)
- Nucleus®(Mentor Graphics)
- pSOS® (Wind River)
- Windows® (Microsoft)
- µC/OS™
- ThreadX® (Express Logic)
- Linux®/POSIX
- micro-ITRON®
- FreeRTOS™

### WITH MAPUSOFT YOU CAN…

- Attract government and research funding to your institution
- Improve your accreditation from the rating agency.
- Greatly Expand student learning of real-time operating systems and improve their skills and marketability
- Limit your investment while maximizing the opportunity for student learning
- Develop, run, and debug code on a readily available, low cost Windows or Linux host PC's
- Learn MapuSoft's frame-work for easy to port solutions for industry leading operating systems

Some of our
Educational customers

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For further information, please check our website at www.mapusoft.com/industry/mapusoft-academic-program/

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