

HARDWARE

- Classic ARM, Cortex A, M Development boards
- Low end MCU Development kits - 8 bit & 16bit
- DSP Kits - TI and Analog Devices
- IoT Kits – OpenMote, Intel Galileo, Rpi
- Wireless Modules – zigBee, BLE, Wifi, LoRa
- Debuggers – Multi-ICE, ULINK Pro
- Protocol Analyzers - SPI/I2C, CAN, USB etc.
- DSO, SMD Soldering/Rework Stations

FACILITIES

- VxWorks, RTLinux and freeRTOS Tools
- Code Composer Studio & Visual DSP
- Contiki/Cooja
- ARM Developer Suite Tools
- KEIL μ vision Tools
- MATLAB Tools
- OrCAD EDA Tools
- FPGA System Design Tools

SOFTWARE

SHORT TERM PROGRAMS

- Post Graduate Diploma in Embedded System Design
- Post Graduate Diploma in IoT and AI for Industry 4.0
- Customized/ Corporate Training Programs
- Faculty Development/ Internship Training Programs

TRAINING ACTIVITIES

- M-Tech in Embedded Systems
- M-Tech Electronic Design Technology

LONG TERM PROGRAMS

INDUSTRY SPONSORED TRAINING PROGRAMS

- Capacity Building Program on IoT
- Embedded System Design with 8051 and ARM Microcontrollers – DRDO Professionals
- Designing with Microcontrollers - Premier Polytronics, Coimbatore
- EDA Tools - Sun Fibre Optics, Cochin
- Designing with DSP - BPL, Palghat
- Electronics Design - Sun Fibre Optics, Cochin

FACULTY DEVELOPMENT PROGRAMS

- Faculty Training on TI 6713 DSP - NIT Calicut, Govt. Engg College, Kozhikode & Palakkad
- Faculty Training on Embedded Systems - Govt. Engg College, Kozhikode & Palakkad
- Faculty Training on ARM Cortex – Vignan University, Guntur

COMPLETED

R & D PROJECTS

AREAS OF EXPERTISE

- IoT enabled Display Station for Weather Monitoring – ICAR-IISR (Govt. of India), Kozhikode
- Wireless Token Display System – Keltron Electro Ceramics Ltd.(Govt. of Kerala), Malappuram
- Microcontroller based Test Jig Controller for Collimator testing - OEN Cochin
- Audio Frequency Digital Filter - BPL Telecom, Palakkad
- Embedded Hardware & Software Development
- Internet of Things (IoT)
- RTOS - VxWorks , RTLinux, freeRTOS , Contiki ChibiOS / RT
- Device Driver Development

In-house Developed Low Cost Embedded Development Systems

- Integrated Microcontroller Development System
 - IMDS-51
 - IMDS-196
 - IMDS-196D
- DSP Application Development System (DADS-32)
- Add-on cards

MAN POWER

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