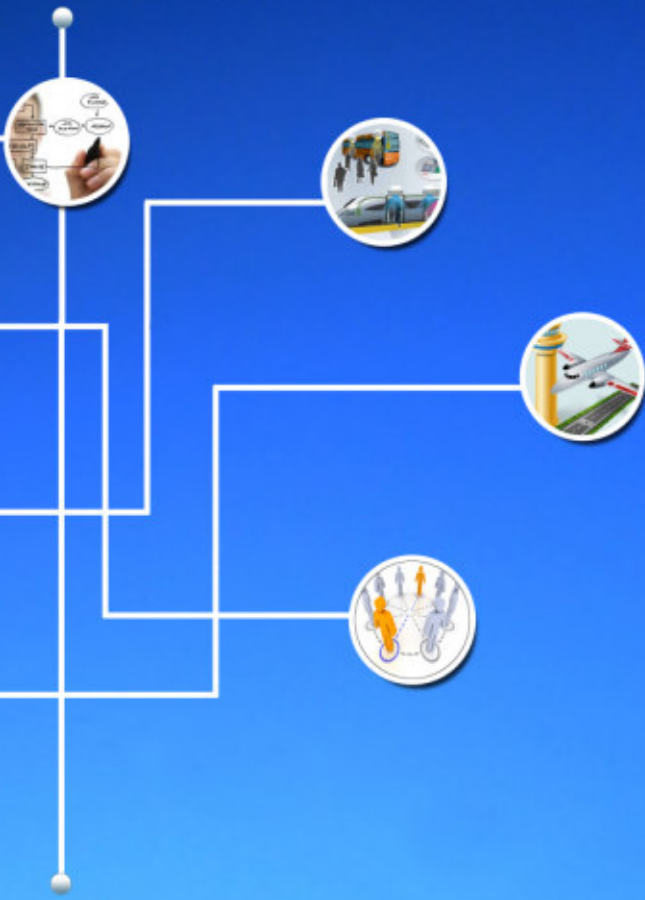


BANKING

TRANSPORTATION &
LOGISTICS

FMCG

AIRPORT



Embedded Systems - CoE



MAKES IT FLY
IT SERVICES & BUSINESS SOLUTIONS

About Embedded Systems - CoE @ SkyTECH

SkyTECH Solutions has rich expertise in developing firmware and embedded applications for a wide range of products catering to different market segments.

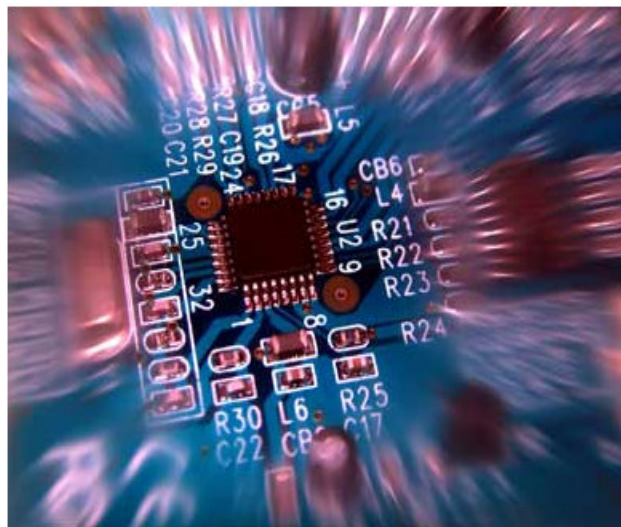
Our team has an accumulated experience of 750 + person months and comprises of PhD, M. Tech and B. Tech from reputed institutions like IIT.

Key Strengths

- Complete design flow, board level prototyping (including multi-layer PCBs) and algorithm development for FPGA, DSP and micro controller based systems
- FPGA design services from simple glue logic to System-On-Chip (SoC).
- Development of device independent HDL based IP cores for FPGA/ASIC implementation.
- Development of IP cores on DSP and Micro controller.
- Porting of RTOS Kernels on FPGA and Micro controller.
- Seamless integration of hardware design and embedded software.
- Extensive experience in developing solutions for Digital communication, image and speech processing.

Software Tools Exposure

- Logic Synthesis- XILINX ISE foundation Series.
- Logic Simulation- MODELSIM.
- Fast Implementation of DSP Algorithms- System Generator.
- Fast Development of Embedded Applications in FPGA- Embedded Development Kit.
- Real Time FPGA Debugging- Chipscope Pro.
- Development, Validation and testing of algorithms- Matlab and Simulink.
- Algorithm implementations in DSP kits - Code Composer Studio.
- Fast GUI development - CVI.
- Micro controller development – KEIL IDE.
- Circuit Schematic and PCB design - Mentor Graphics.



Hardware Exposure

- FPGA Kits- XILINX SPARTAN3, VIRTEX2 and VIRTEX4.
- DSP Kits- Texas Instruments TMS32054XX and TMS32064XX.
- Micro controller Kits- 8051 family, ARM9 and ARM7, PIC controllers.

Our value added services

- System Integration
- Writing Device Drivers
- Development of Board Support Packages (BSPs)
- Point of Sales (POS) Terminals
- Window Based Terminals (WBTs) for Thin Customers
- Smart Card based end-to-end solutions

Focused market segments

- Aerospace and defense
- Automotive
- Consumer electronics
- Industrial management and control
- Medical instrumentation
- Servers and storage
- Networking
- Process control systems

Thank you



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