Manvish Introduction

- Manvish Started in the Year 1999

- Focused in the following areas:
  - Embedded Product design and development
  - Web-based Software development
  - IT Solutions
  - Embedded Training

Embedded Product Design and Development:

- Platform:
  - Hardware
    - Intel 8051
    - Motorola 6800
    - Power PC
    - Motorola cold fire 52xx
    - Arm 9 and Arm 11
  - Software
    - Keil C cross compiler
    - Linux 2.4.x and 2.6.x
    - Vx works

Embedded Product Design and Development:

- Activities:
  - Design and development of embedded boards
  - Developing Firmware
  - Porting OS (Linux/Vxworks) to target board
  - Development of device drivers
  - Development of application program
  - Power management
  - Complete product development

Web-based Software development

- Campus management system:
  - This includes modules from Admission to certification
  - Based on Oracle database and JAVA programs
  - Developed using J2EE Architecture
  - Completely web enabled and accessible from anywhere
  - All students, Teachers, Parents and Management can access simultaneously on the Interent
  - Supports on line Attendance capture using Biometric devices, RFID/Smart card system
  - Supports online photo capture using webcam

IT Solutions

- Providing end-to-end solutions for organisations based on the following:
  - Online Time and Attendance capture using Biometric Finger print devices
  - User profile creation including photo graphs
  - Providing RFID/Smart cards for Employees including photo and personal Identity
  - Visitor management
  - Enterprise web-enabled Software to support all activities
  - Design and supply of Biometric based Time and Attendance capture devices
  - Device management

Embedded training

- Embedded training will be provided on the following:
  - Basic course on Embedded Systems
    - Covers 8 bit microcontrollers
    - C programming
    - Interfaces
    - Device drivers etc.,
  - Advanced Embedded Systems:
    - Covers 32 bits microcontrollers like Arm core, Power PC and cold fire processors
    - Porting OS like Linux
    - Developing device drivers
    - Board bring up
    - Boot loaders etc.

Embedded training

- Training on Linux:
  - Linux Architecture
  - User space and Kernel space
  - Linux commands
  - System calls
  - Shell Programming
  - File systems
  - Processor management
  - Process and Threads
  - IPC (Signals, Pipes, Semapoes, shared memory etc.,)
  - Memory management
  - Device drivers
  - Interrupts and handling Interrupts