**Inditech Controls** is a proprietary firm started in February 2004 by Dinesh Choudhary. Before having this manufacturing setup (since 2001), it was a consultancy firm. Our work is focused on automation and embedded system design. Primary motive is to provide design-&-development services to company, which does not have sufficient in-house facilities for electronic product development. But many organizations want to buy the unit as a product rather than a design. So from February 2004 we are a manufacturing company.

Following is the list of services we provide –

· Provide consultancy to a manufacturing company
· Design and manufacture a customized product to suite your requirement
· Provide a low cost automation solution and implement on turnkey basis
· Critical PCB layout, assembly solutions
· Visual software development
· Installation and interfacing of third party instruments

Our products –

· Data Acquisition System
    o Parallel port based on line, 8 ADC & 2 DAC, 12 bit, up to 10KSa/s
    o Serial port based (RS232 / RS485), 8 ADC & 2 DAC, 8/12/16 bit, up to 100 Sa/s, Online
    o Serial port based stand alone Data logger, up to 8 channel, 12 bit, up to 50KSa/s, Memory up to 512kb, LCD display & keypad
· Process Controllers
    o 2 / 4 / 6 digit timer and counters
    o Time / event tantalizer
    o Temperature controller
    o Multi-channel temperature scanner
· Energy Saving
    o Sunrise sunset timer ( for street / garden / stair case lighting)
    o Programmable real time switch
    o Automated intensity control for street light
· Treadmill
    o Electronic solution for domestic and professional treadmill
· Point-of-sale printers
    o Customized for weighting scale of any brand RS232 based
· Customized control card having
    o 16X2 LCD display, 5 key keypad, 3 led indicators, 4 + 4 (optional) Analog inputs, 2 optional analog outputs, two digital outputs, two optional digital inputs
· Calibration and testing of third party instruments

Our customers –
- · Reliance Industries Ltd (Reliance Petroleum)
- · IIT Bombay (Electrical, Mechanical, and Chemical department)
- · United Phosphorous Ltd, Vapi. ( Chemo-electronic laboratory)
- · IIG, Panvel (Indian Institute of Geomagnetism)
- · Seto Teknolog Pvt Ltd
- · Principle Solutions (Manufacturer – Machines for Pharmaceutical companies)
- · Redline Ltd
- · Orion Electronics Pvt Ltd
- · La-therm power automation
- · Kapoor Glass Ltd
- · Afcoset Ltd
- · ION Electricals Pvt Ltd
- · Nitco Tiles Ltd
- · Krishnapath Enterprises, Udaypur
- · Lekha Technologies, Hydrabad
- · National Dairy Development Board (NDDB through IIT Bombay)

And many more..

List of projects completed-
- Power Factor Meter
- CCTV controller
- Power Line Supervisor
- 2/4/6 digit universal timer and counter
- Low power DC to DC converter
- Supplementary display for weighting scale/balance based on serial comm.
- Price computing unit for weighting scale / balance
- 14 channel temperature scanner
- Hardness tester
- Worked as team member for IITB/EE-Audiometer
- RS485 based control for Public Address System
- Development of conductance probe for void fraction measurement
- Digital clock
- Infra red remote control
- Drip rate monitor
- Induction Heater
- Windows based RS232 visual interface for ION WST
- Hardware and firmware for synchronous firing of spark plug of maruti-800 to give better mileage
- Electronic Auto-Rickshaw meter
- Dryer control card for principle solutions that uses Infrared elements to dry containers handling capsule powders in pharmaceutical company.
- Visual software for downloading data from UPL monitor and show graphs
- Worked as team member for SETO -MCB monitoring system for NPC
- Visited ATMEL DEVELOPMENT CENTRE at Helsinki, Finland for technical discussion about Power Line Supervisor.
- Electronically Operated Lock Box (EOLB) for Reliance Petroleum that uses motorized locking mechanism, RFID confirmation, and computer interface.
- Development of firmware for weighting machine for Krishnapath Enterprises, Udaypur.
- Digitally generated pure sine wave function generator that works from 0.1Hz to 10Mhz with resolution of 1Hz.
- Development of RS485 based units for United Phosphorous Ltd-
  - Scanner to indicate alarms on distributed LPG leak detectors to control cabin and security cabin in master / slave configuration.
  - Gas monitors with swappable sensor with automatic detection, digital calibration, RS485 interface, 4-20mA loop back.
  - Scanner for digital monitors based on RS485, 40x4 line LCD display indicating online reading of all enabled channels, alarm status, data-logging facility, computer connectivity via RS232.
  - Dual gas monitor with data-logging printer/ computer interface.
  - Rack view, a computer based scanner that enables data logging, and graphical representation of gas concentration (online).