



# PROJECT DESIGNING

**Tell me and I forget. Show me and I remember. Involve me and I understand. – An old Chinese proverb.**

This is what we at Apsis Solutions believe. We understand a student's learning curve, and therefore design our projects accordingly.

With the advent of ever-changing, ever-improving technological procedures, it becomes the need of the hour to build engineers who are armed to face the challenges of the industry heads on.

APSIS SOLUTIONS always encourages the creative side of the students to help them decide the field of their project. Here at APSIS SOLUTIONS we listen closely to the ideas generated by the student and work towards making their design dream come true.

APSIS SOLUTIONS provides expert assistance and close attention to the students while they handle their FINAL YEAR PROJECTS. The experts from APSIS SOLUTIONS conduct training classes and give individual attention to all the students involved, to increase their knowledge in the respective domains. We consider it to be our duty to make sure that the projects are taken to closure and students finish their projects feeling better equipped than what they were before. Infact, many students of Apsis Solutions have also been able to get their papers published in the International Journals, like IEEE.

## Features of the Project Training

We believe spoon feeding only teaches the shape of the spoon. Therefore to take the students to the next level of learning, we give them few extremely interactive class-room training sessions for assisting them to grasp the technical aspects of the projects, LAB sessions for the softwares used in the project and a few sessions for them to get their hands dirty with experience in soldering, components testing, interfacing etc, To encourage them further we give them certifications from the company for the work done by them in their project designing course.

**"Any genuine teaching will result, if successful, in someone's knowing, how to bring about a better condition of things than existed earlier."**

**INNOVATING THROUGHOUT**

Projects for Electrical Sciences group: E&C, E&E, Instrumentation, Telecom, EIE etc.

- Software's like MATLAB, Lab-VIEW, VISUAL BASIC, .NET - used to design front-end GUI of the projects on the PC
- NXP's 8051, Microchip's PIC, ARM7/9, Atmel's AVR - used to form the Data Acquisition and Controlling.
- GPS modules - used in projects to support navigation system.
- GSM, GPRS and Ethernet 10/100T for Data communication based projects.
- Zigbee, WiFi, MiWi and many custom made (4 and 8 bit) standards for the RF data communication.
- CPLD and FPGA programming using VHDL as the programming language with supports from MODELSIM and Xilinx.
- RFID, Biometrics – Finger Print Reader, Face and Image Recognition based personal identification.
- PWM and Direct motor controlling for Robotics and Industrial Automation processes.
- Hydraulic and Pneumatic based control systems for mechanical applications.
- Solar, Wind, Water and organic fuel based projects for unconventional sources of energy projects.
- Remote home, industrial, offices, power plant monitoring and control systems.
- Power Line communication for the device control and automatic meter information gathering.
- JPEG camera (UART and USB) controlling by micro-controller for security projects.
- Implementing file systems on a pen-drive with FAT32 Format using a micro-controller.

## Projects for Computer Science

- Projects based on C, C++, JAVA (JSE, JEE, JSP, STRUCTS, HIBERNATE)
- .NET Technologies – VB, C#, LINUX.VB.NET.
- Android Mobile applications.
- Oracle and SQL for back-end applications.
- Web designing applications.

