



SPIRO
SOLUTIONS PVT LTD

EMBEDDED
(AUTOMATION)
PROJECT TITLE 2015 - 2016

**Embedded
Automation**

SPIRO
AUTOMATION
TECHNOLOGY: EMBEDDED**DOMAIN : AUTOMATION**

S.NO	PROJECT CODE	PROJECT TITLE	Applications	YEAR
1	ITAM01	Primary-Side Power Flow Control of Wireless Power Transfer for Electric Vehicle Charging	Energy management	2015
2	ITAM02	On Curve Negotiation: From Driver Support to Automation	Automation	2015
3.	ITAM03	Energy Exchange Between Electric Vehicle Load and Wind Generating Utilities	Energy management	2015
4.	ITAM04	Multi objective Vehicle Routing Problems With Simultaneous Delivery and Pickup	Ambient Intelligence	2015
5.	ITAM05	Diffraction-Compensating Coded Aperture for Inspection in Manufacturing (PIPE CRAWLING)	Power plant industries	2015
6.	ITAM06	Energy-Efficient Control Strategies for Machine Tools With Stochastic Arrivals	Energy management	2015
7.	ITAM07	An Automated Test Generation Technique for Software Quality Assurance	Automation	2015
8.	ITAM08	Path-Constrained Motion Analysis: An Algorithm to Understand Human Performance on Hydraulic Manipulators	Super droid Robot	2015
9.	ITAM09	A Practical Wireless Attack on the Connected Car and Security Protocol for In-Vehicle CAN	Automobile Industries	2015
10.	ITAM10	Central Electric-Motoring-Assisted Handling Control System for Electrified Vehicles	Energy Management	2015

Corporate Office: - SPIRO SOLUTIONS PVT. LTD, #78, 3rd Floor, Ushman Road, T.Nagar, Chennai -17, (Upstairs of HotalSaravanaBhavan) Mobile – 9791 044 044, 9176 644 044. E-Mail: projects@stupros.com, www.stupros.com Our branches: SALEM – 9176 615 615, ERODE – 9962 587 587, KOVAI-9176 648648, TRICHY-9176 649 649, MADURAI-9176 657 657, NELLAI-9176 617 617, NAGERCOIL – 9176 658 658, NAMAKKAL – 9962514514, VELLORE – 9176 620 620, KANCHI PURAM-9176 412 412, PONDICHERY-9176 694 694, TANJORE-9176 419 419



11.	ITAM11	Detection of U.S. Traffic Signs	Ambient Intelligence	2015
12.	ITAM12	Designing Steering Feel for Steer-by-Wire Vehicles Using Objective Measures	Ambient Intelligence	2015
14.	ITAM13	Wireless Sensor Networks for Condition Monitoring in the Railway Industry: A Survey	Super droid Robot	2015
15.	ITAM14	Integrated Indoor Navigation System for Ground Vehicles With Automatic 3-D Alignment and Position Initialization	Automobiles Industries	2015
16.	ITAM15	Constrained Global Path Optimization for Articulated Steering Vehicles	Swarm Robot	2015
17.	ITAM16	Automatic Detection of Squats in Railway Infrastructure	Swarm Robot	2014
18.	ITAM17	Receiver Autonomous Integrity Monitoring of GNSS Signals for Electronic Toll Collection	Automotive	2014
19.	ITAM18	Guest Editorial Special Section on Building Automation, Smart Industry Robot	Super droid Robot	2014
20.	ITAM19	Text Detection and Recognition on Traffic Panels From Street-Level Imagery Using Visual Appearance	Machine Vision	2014
21.	ITAM20	An Industrial Perspective on Wireless Sensor Networks - A Survey of Requirements, Protocols, and Challenges	Automation	2014
22.	ITAM21	Implementation of CAN bus in an autonomous All-Terrain Vehicle	Automobile Industries	2014



23.	ITAM22	Hand-Motion Crane Control Using Radio Frequency real-Time Location Systems	Super droid Robot	2014
24.	ITAM23	An Iranian License Plate Recognition System Based on Color Features	Security System	2014
25.	ITAM24	Portable Roadside Sensors for Vehicle Counting, Classification, and Speed Measurement	Machine Vision	2014

Education Partners:



Technologies and Domain used:

IEEE 2014, Java, J2ee, Android, Dot net, PHP, Embedded, Vlsi, Matlab, VB, Net working, Data Mining, Image Processing, Cloud Computing, Mobile Computing, Multimedia, Network Security, Soft Engg, Grid Computing, Automation, Robotics, Communication, RF, Zigbee, Blue tooth, GSM/GPS/GPRS, Power Electronics & Systems, Electrical, DSP, RTOS, Bio metrics, etc.

Features

- Latest 2014 IEEE, Science Direct, ACM based project concept and solutions.
- State of the art infrastructure, Innovative Project training methods.
- All our efforts are focused on students to meet industry requirements.
- Our environment is encapsulated with doctorates, professionals and other experts.
- Excellent Placements through our **Spiro HR Management Consultants (SMC) Pvt Ltd.**

Branches:

SALEM

5/5, Meyyanoor Bye-pass Road,
(Near New Bus Stand, way to ARRS Multiplex)
Salem - 636 009.
Mobile : 9176 615 615, 9176 613 613
Email : salem@spiropjects.com

VELLORE

#257, Sapthagiri Complex, 2nd Floor
Katapadi Main Road, Vellore - 632 007
(Opp. Reliance Pertol Bunk)
Mobile : 9176 620 620
Email : vellore@spiropjects.com

NAMAKKAL

89/1, Preethi Towers, Paramathi Road,
Namakkal - 01. (Opp. Kanna Super Market)
Mobile : 9962 514 514
Email : nkl@spiropjects.com

COIMBATORE

#93, 1st Floor, Nehru Street,
(Opp. to Senthil Kumaran Theaters)
Ram Nagar, Coimbatore - 641 009
Mobile : 9176 648 648
Email : cbe@spiropjects.com

TANJORE

#489, Gandhi Nagar, (Near New Bus Stand)
Trichy Main Road, (Opp. Sri Muthu Lodge)
Mobile : 9176 419 419
Email : kpuram@spiropjects.com

THIRUVANATHAPURAM

#8, Kohinoor Flats, T.C. 25/2714,
Lukes Lane, Ambujavialsom Road
Pulimoodu, Thiruvananthapuram
(Behind KFC)
Mobile : 9176 512 512
Phone : 0471 - 4067831
Email : tvn@spiropjects.com

PONDICHERY

20, 1st Floor, 2nd Cross, Natesan Nagar,
Pondichery - 05. (Indra Gandhi Square)
Mobile : 9176 694 694.
Email : pondy@spiropjects.com

TIRUNELVELI

991/1A3, 2nd Floor,
M.G.Raaj Trade Park, South bye bass road,
Nellai-627005. (Near New Bus Stand)
Mobile : 9176 617 617

For ECE,EEE,E&I, E&C & Mechanical,Civil, Bio-Medical

#1, C.V.R Complex, Singaravelu St, T.Nagar, Chennai -600 017,(Behind BIG BAZAAR)
Mobile : 9962 067 067, 9176 499 499, Landline : 044-4264 1213

Email:info@spiropjects.com, Website : www.spiropjects.com, FB:www.facebook.com/spiropjects

For IT, CSE, MSC, MCA, BSC(CS)B.COM(cs)

#78, 3rd Floor, Usman Road, T.Nagar, Chennai-17. (Upstair Hotel Saravana Bhavan)

Mobile: 9791 044 044, 9176 644 044, E-Mail: info1@spiropjects.com.Website: www.spiropjects.com