



**SPIRO**  
SOLUTIONS PVT LTD

**REAL TIME  
OPERATING SYSTEM  
(Embedded)  
PROJECT TITLE  
2015 - 2016**

# RTOS

**TECHNOLOGY: EMBEDDED**

**DOMAIN : REAL TIME OPERATING SYSTEM**

S.NO	PROJECT CODE	Project title	Application	YEAR
1	ITROS01	An Assistive Navigation Framework for the Visually Impaired	Consumer applications	2015
2	ITROS02	Integrated Sensing Systems and Algorithms for Solid Waste Bin State Management Automation	Green house	2015
3	ITROS03	Performance Analysis and Modeling of Soil Moisture of Irrigation Cropland	Agriculture	2015
4	ITROS04	Automated Health Alerts Using In-Home Sensor Data for Embedded Health Assessment	Bio-medical	2015
5	ITROS05	Noninvasive Monitoring Device to Evaluate Sleep Quality at Mining Facilities	Security alert System	2015
6	ITROS06	Minimizing the Disruption of Traffic Flow of Automated Vehicles During Lane Changes	Automation	2015
7	ITROS07	Recommendations Supporting Situation Awareness in Partially Automated Driver Assistance Systems	Automation	2015
8	ITROS08	An Advanced Home Energy Management System Facilitated by Nonintrusive Load		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](mailto:projects@stupros.com), [www.stupros.com](http://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

		Monitoring With Automated Multiobjective Power Scheduling	Power management	
9	ITROS09	GPRS based Local Coverage-Aware Recovery Schemes for Smart Environments	Green house	2015
10	ITROS10	Optimal Smart Home Energy Management Considering Energy Saving and a Comfortable Lifestyle	Smart home	2015
11	ITROS11	Detection of Localized Bearing Faults in Induction Machines by Spectral Kurtosis and Envelope Analysis of Stator Current	Production industry	2015
12	ITROS12	An optimization of low cost and high efficient comorbidities patient monitor	Biomedical	2015
13	ITROS13	Global health care for self-assistive medibox and preventive medicine	Biomedical	2015



## 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