



**SPIRO**  
SOLUTIONS PVT LTD

**EMBEDDED**  
**(BIOMEDICAL)**  
**PROJECT TITLE 2015 - 2016**



## TECHNOLOGY : EMBEDDED

## DOMAIN : BIOMEDICAL

S.NO	PROJECT CODE	PROJECT TITLE	YEAR
135	ITBIO01	PSMPA: Patient Self-Controllable and Multi-Level Privacy-Preserving Cooperative Authentication in Distributed m-Healthcare Cloud Computing System	2015
136	ITBIO02	An Implantable RFID Sensor Tag toward Continuous Glucose Monitoring	2015
137	ITBIO03	Self-Powered Monitoring of Repeated Head Impacts Using Time-Dilation Energy Measurement Circuit	2015
138	ITBIO04	Current and Future Challenges in Point-of-Care Technologies: A Paradigm-Shift in Affordable Global Healthcare With Personalized and Preventive Medicine	2015
139	ITBIO05	Intelligent Disease Self-Management with Mobile Technology	2015
140	ITBIO06	Smartphone-Centric Ambient Assisted Living Platform for Patients Suffering from Co-Morbidities Monitoring	2015
141	ITBIO07	An Analysis of RFID Authentication Schemes for Internet of Things in Healthcare Environment Using Elliptic Curve Cryptography	2015
142	ITBIO08	A Precise RFID Indoor Localization System with Sensor Network Assistance	2015
143	ITBIO09	Real-Time Closed-Loop Control of Human Heart Rate and Blood Pressure	2015
144	ITBIO10	Evaluation of Pressure Bed Sensor for Automatic SAHS Screening	2015
145	ITBIO11	The Development of a Blood Leakage Monitoring System for the	2015

**CORPORATE OFFICE:** - **SPIRO GROUP OF COMPANIES FOR ECE, EEE, E&I, E&C MECHANICAL, CIVIL, BIO-MEDICAL**, #1, C.V.R Complex, Singaravelu street, T.Nagar, Chennai-600017, (Behind BIG BAZZAR) Mobile: 9962067067; 9176499499 Email: info@spiroprojects.com. **FOR IT, CSE, MSC, MCA, BSC(CS), B.COM(CS)** #78, 3<sup>rd</sup> Floor, Usman Road, T.Nagar, Chennai -17, (Upstairs of Hotel Saravana Bhavan) Mobile - 9791 044 044, 9176 644 044. E-Mail: info1@spiroprojects.com, Website: [www.spiroprojects.com](http://www.spiroprojects.com) **Our branches :** SALEM - 9176 615 615, ERODE - 9962 587 587, KOVAI-9176 648 648, TRICHY-9176 649 649, MADURAI-9176 657 657, NELLAI-9176 617 617, NAGERCOIL - 9176 658 658, NAMAKKAL - 9962 514 514, VELLORE - 9176 620 620, PONDICHERRY-9176 694 694, KANCHIPURAM - 9176 412 412, TANJORE - 9176 419 419

		Applications in Hemodialysis Therapy	
146	ITBIO12	System Architecture for Low-Power Ubiquitously Connected Remote Health Monitoring Applications With SmartTransmission Mechanism	2015
147	ITBIO13	Automated Detection of Sleep Apnea and Hypopnea Events Based on Robust Airflow Envelope Tracking in the Presence of Breathing Artifacts	2015
148	ITBIO14	Behavior Rule Specification-Based Intrusion Detection for Safety Critical Medical Cyber Physical Systems	2015
149	ITBIO15	A Semantically Enriched Clinical Guideline Model Enabling Deployment in Heterogeneous Healthcare Environments	2015
150	ITBIO16	Integrated Circuits and Electrode Interfaces for Noninvasive Physiological Monitoring	2014
151	ITBIO17	A Survey on Wireless Body Area Networks: Technologies and Design Challenges	2014
152	ITBIO18	Potential for Health Screening Using Long-Term Cardiovascular Parameters Measured by Finger Volume-Oscillometry: Pilot Comparative Evaluation in Regular and Sleep-Deprived Activities	2014
153	ITBIO19	Patient Health Management System using e-Health Monitoring Architecture	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,  
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