



SPIRO
SOLUTIONS PVT LTD

**EMBEDDED
(WIRELESS)
PROJECT TITLE 2017 - 2018**

WIRELESS

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1	ITWI01	Reliable Wireless Communication and Positioning enabling Mobile Control and Safety Applications in Industrial Environments	2017
2	ITWI02	Interleaved DC/DC Charger for Wireless Power Transfer	2017
3	ITWI03	Study of the positioning of wireless sensors for communication at 2.4 GHz inside the train	2017
4	ITWI04	Design and Simulation of 2*1 and 4*1 Array Antenna for Detection System of Objects or Living Things in motion	2017
5	ITWI05	Real-Time Traffic State Estimation With Connected Vehicles	2017
6	ITWI06	Self-Powered Zigbee Wireless Sensor Nodes for Railway Condition Monitoring	2017
7	ITWI07	A Design of a Remote Weather Factors Monitoring System	2017
8	ITWI08	A Wireless Sensor System for Real-Time Monitoring and Fault Detection of Motor Arrays	2017
9	ITWI09	Design of Greenhouse Environment Monitoring System Based on Wireless Sensor Network	2017
10	ITWI10	EMACS: Design and implementation of indoor environment monitoring and control system	2017
11	ITWI11	Wireless Stethoscope for Recording Heart and Lung Sound	2016
12	ITWI12	The Design of Building Fire Monitoring System Based on ZigBee-WiFi Networks	2016

13	ITWI13	A Blind Zone Alert System Based on Intra-Vehicular Wireless Sensor Networks	2016
14	ITWI14	Wireless Power Transmission for Multiple Devices	2016
15	ITWI15	A mobile Zigbee module in a traffic control system	2016

WIRELESS POWER TRANSFER

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1	ITWT01	Impedance Matching in Magnetic-Coupling-Resonance Wireless Power Transfer for Small Implantable Devices	2017
2	ITWT02	Acoustic Wireless Power Transfer with Receiver Array for Enhanced Performance	2017
3	ITWT03	On the Use of Eddy Currents to Facilitate Wireless Power Transfer Through Metallic Surfaces	2017
4	ITWT04	Standards and Methods of Power Control for Variable Power Bidirectional Wireless Power Transfer	2017
5	ITWT05	Design Considerations For An Active Rectifier Circuit for Bidirectional Wireless Power Transfer	2017
6	ITWT06	The wireless power transfer systems using the Class E push-pull inverter for industrial robots	2017
7	ITWT07	Low-cost Wake-up Receiver for RF Energy Harvesting Wireless Sensor Networks	2017
8	ITWT08	wireless power transmission for a traveling mobility scooter	2016
9	ITWT09	Analysis and Design of Capacitive Power Transmission System Employing Out-of-band Wireless Feedback Link	2016
10	ITWT10	Wireless Power Transmission for Multiple Devices	2016

Education Partners:



Technologies and Domain used:

IEEE 2017, Java, J2ee, Android, Bigdata, Dot net, Arduino, Raspberry pi, IOT, Renewable, 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, Civil, Analysis, Fabrication, Mechanical, CFD, FEA, etc.

Features

- Latest 2017 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.**

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