



SPIRO

SOLUTIONS PVT LTD



EMBEDDED
(ROBOTICS)
PROJECT TITLE
2017 - 2018

ROBOTICS			
S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1	ITROB01	A Zigbee–Based Framework for Approximating Sensor Range and Bearing	2017
2	ITROB02	Design of smart modular variable stiffness actuators for robotic assistive devices	2017
3	ITROB03	A Soft-Robotic Gripper with Enhanced Object Adaptation and Grasping Reliability	2017
4	ITROB04	Managing Robot Kinematics Based on Arduino Controllers Using a Unity System	2017
5	ITROB05	A Novel 6-Axis Force/Torque Sensor for Robotic Applications	2017
6	ITROB06	A design of Gesture controlled mobile robot with robotic arm for nuclear environment	2017
7	ITROB07	Low-Cost, Real-Time Obstacle Avoidance for Mobile Robots	2017
8	ITROB08	Lyapunov Based Driverless Vehicle in Obstacle Free Environment	2017
9	ITROB09	Wireless power transfer for electric vehicle using an adaptive robot	2017
10	ITROB10	Combined Mobile Robots Motion Control Using Information as Voice and Gesture Commands from Audio and Thermal Visual Sensors	2017
11	ITROB11	Design and Implementation of a Lightweight Tele presence Robot For Medical Assistance	2017
12	ITROB12	Based on MEMS Sensors Man-Machine Interface for Mechatronic Objects Control	2017
13	ITROB13	Selective Motion Control of a Crawling Magnetic Robot System for Wireless Self-Expandable Stent Delivery in Narrowed Tubular Environments	2017

14	ITROB14	Embedded and Real Time System Design: A Case Study Fire Fighting Robot	2017
15	ITROB15	Analysis of Modular Biped Wall climbing Robot with High Mobility and Effective Transit Mechanism	2017
16	ITROB16	Approach Towards Achieving Interoperability between Military Land Vehicle and Robotic Systems	2017
17	ITROB17	Mine Detecting Robot Prototyping	2016
19	ITROB18	A Lightweight Robotic Arm with Pneumatic Muscles for Robot Learning	2016
19	ITROB19	Mobile Robot for Retail Inventory Using RFID	2016
20	ITROB20	A Dataset for Improved RGBD-based Object Detection and Pose Estimation for Warehouse Pick-and-Place	2016
21	ITROB21	A Compact and Compliant External Pipe-Crawling Robot	2016
22	ITROB22	Fall Detection and Prevention Control Using Walking-Aid Cane Robot	2016
23	ITROB23	Auto Calibrated Head Orientation Controller for Robotic-Wheelchair Using MEMS Sensors and Embedded Technologies	2016
24	ITROB24	Line Detecting and Tracking of a Mobile Robot with Multiple RGB-D Cameras	2016
25	ITROB25	Design and Manufacture of Bio-mimic Robotic Fish	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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