



SPIRO
SOLUTIONS PVT LTD

MECHANISM (Embedded)
PROJECT TITLE
2015 - 2016

TECHNOLOGY: EMBEDDED
DOMAIN : MECHANISM

S.NO	PROJECT CODE	Project title	Application	YEAR
1	ITEM01	Three Dimensional Conveyer With Integrated Electrostatic Actuators	Smart Industry	2015
2	ITEM02	The Amphibious Vehicle For Sea And Seashore Monitoring	Smart Surveillance	2015
3	ITEM03	Voice Based Control And Monitor Of Intelligent Gear Mechanism	Automobile Industries	2015
4	ITEM04	High Reliable Glass Cleaning Robot Servant For Software Company	Domestic Robot	2015
5	ITEM05	Intelligent And High Efficient Car Parking In Shopping Mall	Automation	2015
6	ITEM06	Self-Analysis And Control Of Alcohol Detection System In Vehicles	Security System	2015
7	ITEM07	A Probabilistic Approach To High-Confidence Coconut Climbing Robot	Agriculture Robot	2015
8	ITEM08	Optimal Mechanism Design Of Shoe Polishing Machine	Super Droid Robots	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

9	ITEM09	Hand-Motion Crane Control Using Radio Frequency Real-Time Location Systems	Ambient Intelligence	2015
10	ITEM10	<u>Research On The Oil Tank</u> Oil Dissipation System	Automobile Industry	2015
11	ITEM11	A Real Time Security System Using Hover Craft In Defense	Smart Surveillance	2015
12	ITEM12	An Innovative Grass Cutter RobotFor Agriculture Field	Agriculture Robot	2015
13	ITEM13	Dynamic Vision Based Multilevel Car Parking System	Machine Vision	2015
14	ITEM14	Automatic Planning And Coverage Of Wall Painting Robot	Super Droid Robots	2015
15	ITEM15	Detection And Analysis Of High Rise Stationary Pipes	Swarm Robot	2015
16	ITEM16	Low Cost Row Guidance Seeding And Planting Robot	Agriculture Robot	2015
17	ITEM17	An Efficient Detection And Monitor Of Vehicle Side Stand Alert System	Safer Side	2015
18	ITEM18	Machine Vision Technique For Find Out Defect In Orange	Packing Industry	2015

19	ITEM19	Control Of A Snake Robot For Ascending And Descending Steps	Smart Surveillance	2015
20	ITEM20	Power Generation For Street Light Using Speed Breaker	Renewable Power Generation	2015
21	ITEM21	Intelligent Traffic Management System	Humanoid Robot	2015
22	ITEM22	High Efficient Parallel Two Way Conveyor Machine	Production Industry	2015
23	ITEM23	Sophisticated Smart Umbrella For Future Trends	Modern Trends	2015
24	ITEM24	Online High-Precision Probabilistic Localization Robotic Fish Using Visual And Inertial Cues	Seashore Monitoring	2015
25	ITEM25	Intelligent Cooperative Control System In Visual Welding Robot	Automation	2015
26	ITEM26	Energy Exchange Between Electric Vehicle Load And Wind Generating Utilities	Energy Management	2015
27	ITEM27	A New, Simple, Low-Cost, Modular Arrangement Of High Power Factor For Window And Wiper Mechanism	Automobiles	2015
28	ITEM28	Walking And Running Of The Quadruped Wall-Climbing Robot For Rescue	Super Droid Robots	2015

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29	ITEM29	Automated Anesthesia Analyzing System Based On Microcontroller	Biomedical	2015
30	ITEM30	Modeling And Optimization Of Heat Exchanger Mechanism	Smart Home	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.**

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