LogicInside Project List

This Project List is a quality output of constantly careful research at LogicInside. We have put our Best Knowledge to create various solutions to the existing challenging problems of the society, industry & our daily life scenario. Each project concept is totally different from another one & gives solution to a particular domain of a problem. By this project list we have tried to cover every possible aspect of the demanding globe.

Though the list will keep on increasing as the process of Research & Development never ever stops...

LIP#	Sub	Title	Type
001		Smart Transit Sign for Bus Stops - Bus Stop's Indicator	EX
002		Real Time Human Gesture Recognition Using Leap Motion Sensor	IT
003		Design of an interactive system for city bus transport and visually impaired people Using wireless c	EX
004		NFC-RFID Triggered Mobile Payment - eCommerce	IT
005		Touch Screen Based - Embedded System for Biometric Online Signature Verification	IT
006		Novel indoor navigation system for Visually Impaired and blind people	EX | IT
007		SunFlower - Lets Track The Sun	EX
008		Design and Implementation of Safety Armband for Women and Children using ARM7	EX
009		Leap Motion Controller Wheelchair-Robotic Navigation	EX
010		Image Processing Based Braille to Text Conversion	IT
011		Location Based Reminder using Android Mobile with Google Map	IT
012		Implementation of Virtual Reality & A.I. using Electronic Chess Board	EX
013		Leap Motion Sensor Based Real Time Air Handwriting Recognition	IT
014		Android Mobile Based Automatic Meter Reading Collector	EX
015		Stand Alone Automatic Industrial Parameter Controller - SCADA	EX
016		Development of Secured Access Control System for Door-Safe - Password Based	EX
016	a	RFID Based Access	EX
016	b	Finger Print Based Access	EX
017		Digital Vehicle Data Recorder (DVDR)	EX
018		LPG Gas Leak Detector with Knob Controlling & SMS Alert	EX
019		Design of Secured ATM by Wireless Password Transfer and Shuffling Keypad	IT
020		Hand recognition based on finger-contour	EX | IT
021		Development of Robust & Highly Secured Information-Data Storage Media	EX | IT
022		Leap Motion Controlled Precise Robotic ARM Controller	EX
023		OFF Route Indicator	EX | IT
024		Intelligent Adaptive Bidirectional Railway Signaling System for Single Line Route	EX
025		Multilayered [Card, Password, Fingerprint & Face Recognition] Based Advanced Access Control System	EX | IT
026		FreeWalker: a smart insole for longitudinal gait analysis	BIO

LIP#	Sub	Title	Type
027		Passenger BUS Alert System for Easy Navigation of Blind	EX
028		Fully Automatic Color Based Object Sorting Conveyor Belt	EX
028	a	Color Sensor Based	EX
028	b	Image Processing Based	EX | IT
029		Internet Based Fully Automatic Emergency Data Backup of LAN in Case of Fire	IT
030		Internet Based Collaborative Synchronized White Board	IT
031		Power Line Communication Based Smart Metering System	EX
032		MCS-51 Microcontroller Based Industrial Automation and Control System using CAN protocol	EX
033		Automatic Stop Identification System with Announcement - for Buses	EX
033	a	Wireless Based (RF)	EX
033	b	GPS Positioning Based	EX
034		Automatic Intrusion Detection with SMS Alert - Multiple Sensors -Home Office Security	EX
035		PC Based Facial Recognition Using OTP Verification for Voting System	IT
036		Platform for Online Chess Playing & Broadcasting with Friends	IT
037		Image Processing Design Flow for Virtual Fitting Room	IT
038		Fully Automatic Bottle Filling System with Quantity Control	EX
039		Mobile NFC-RFID Based "SHOW–n-GO" Self Soft Ticketing System for Railways	EX | IT
040		Development of Navigational ROBOT	EX | IT
040	a	Android Mobile Controlled (Bluetooth Modem)	-
040	b	Remote Controlled (Basic Radio-434MHz)	-
040	c	Remote Controlled (Zigbee Module)	-
040	d	PC Controlled (Zigbee Module)	-
040	e	PC Controlled (Bluetooth Modem)	-
040	f	GPRS Based LIVE ! Through Mobile Internet	-
040	g	GSM-SMS Based Controlling	-
040	h	Mobile Based Speech-Voice Controlled	-
041		Android Interactive Services of College Database for Students	IT
042		Android Mobile Based Students Attendance Register for Teachers	IT

LIP#	Sub	Title	Type
043		Image Processing Based Computerized Evaluation of Answer Sheet of Competitive Exams	IT
044		Smart Kitchen - Gas Leak Alarm + Automatic Cylinder Booking + Auto Timer + Fire Alarm	EX
045		Image Processing & LASER Based Virtual KeyBoard & Mouse	EX | IT
046		Motion Based Automatic Street Light Intensity Controlling System	EX
047		Most Advanced Ambulance	EX | BIO
048		Accelerometer based Wireless Air Mouse using Arduino Micro-controller Board	EX | IT
049		Multiprocessor Communication Protocol - Distributed Processing for Embedded System	EX
050		Development of Router for Embedded Systems	EX
051		Universal Android e-Voting System - Election + Reality Shows	IT
052		Automatic Detection of Brain Tumor Detection in MRI image	IT
053		Light Detection And Ranging (LIDAR)	EX
054		Stegnography - A Secured Key-based Digital Text Passing System through Color Image Pixels	IT
055		RFID Based Fastest Ever Automatic Self Coupon Ticket Printing Machine for Railways	EX
056		Weather Probing System - Environment Monitoring	EX
057		Wireless Remote Controlled Seed Sowing ROBOT & TRACTOR for Agriculture	EX
058		Android Mobile Based GPS & GPRS Based Real Time Friends Locator	IT
059		Blind Vision : Finger Reader for Visually Impaired	IT
060		Image Processing Based Automatic Conveyor Belt	EX
060	a	With Rejection	-
060	b	Quality Controlling of Any Shape Object	-
060	c	Object Identification & Sorting with Individual Counting	-
060	d	Quantity Checking of Medicine Tablet Packaging Strip	-
061		Design & Deveopment of Audio Spotlight : Ultrasonic Directive Speaker	EX
062		Fully Automatic Petrol Pump System	EX
063		Automatic Power Saver for Home-Office : Minimizing the Energy Consumption	EX
064		PLC : Power Line Communication - Communicating Power Suplies	EX
065		GPS Video Advertiser for Buses & Trains - Location Based Advertiser	IT
066		Mobile Lorm Glove for Deaf, Dumb & Blind	EX | IT

LIP#	Sub	Title	Type
067		Brainwave Monitoring of Patient for Stress Management	BIO
068		OTP Based An Enhanced Secure Mechanisum of Acces Control of Doors	EX
069		Development of Handheld Hawkers Tax Collection Receipt Printer	EX
070		SMS Based Controlling & Status Monitoring of Appliances	EX
071		Development of Handheld Bus Ticket Printing Machine	EX
072		BrainWave - Mind Controlled Wheel Chair	EX | BIO
073		MobiKey : Using Android Mobile as Digital Key for Home Doors	EX
074		Track My Bus - Real Time Bus Locator Using Android Phone	EX | IT
075		Digital Rope Cutting Machine - an innovation	EX
076		On-Panel Signaling System for Trains with Automatic Breaking	EX
077		BIO Secure Communication System for Wearable Devices Wireless Intra Body Communication	EX | BIO
078		PC Based Supervisory Control and Data Acquisition - SCADA	EX
079		Embedded Web Server Application Based Automation and Monitoring System	EX
080		Real Time Pothole Detection and Vehicle Accident Detection and Reporting System	EX
081		Image Visualizer for Blinds - Really?	IT
082		Smart Socket - A Smart Approach Towards Reducing The Electric Bill	EX
083		The Introduction and Design of a New Form of Supermarket Billing System	EX | IT
084		PC Based Wireless Environment Sniffer BOT	EX
085		Advanced Interactive Remote Door Bell Communicator : Your Home Security	EX
086		Wireless Remote Controlling of Electrical Appliances	EX
087		Implementation of Vision Based Automatic Home-Office-Industry Security Monitoring	IT
088		Flex Based Glove for Remote Control for Home Appliances	EX
089		Wi Lights - A Wireless Solution To Control Headlight Intensity	EX
090		UltraSound Based Smart Cane / Blind Stick / Blind Navigator / Blind Assist	EX | BIO
091		Skinput - Using Your Skin as Touchscreen - Simply !	EX | IT
092		Hand Held Terminal for Driving License Validation - No Risk to Forget License !	EX
093		Intelligent Hands Free Speech based SMS System on Android	IT
094		Automatic Voice Alert Announcement System Based on Parameter Failure for Industry	EX

LIP#	Sub	Title	Type
095		Rolling Message Display System	EX
096		Fully Automatic Management of Energy Meter Data & Billing Cycle with Power Cut-OFF	EX
097		Implementation of Children Tracking System on Android Mobile Terminals	EX
098		PenDrive to PenDrvie Data Transfer Without PC	EX
099		PC Monitored Guard With Auto Sensing of Emergency - Guard Tour Manager	EX | IT
100		Women Protector - Design & Development Women Safety Waist Belt	EX | IT
101		Women Protector - Design & Development Intelligent Sandle	EX | IT
102		Speaker Dependent Door Access - Only Your Voice Command is the Key	EX
103		An Efficient Auction Based TATKAL Scheme for Indian Railway	IT
104		Design and Implementation of Anti-theft ATM Machine using Embedded Systems	EX
105		Mobile Controlled Internet-GPRS Based Remote Appliance Controlling System	EX
106		Geoencryption-Location Based Encryption : GPS Protected Secured Data Encryption	IT
107		Image Processing-Vision Based Automatic Toll Tax Collection System	EX | IT
108		Tongue Controlled Wheelchair for Physically Handicapped Person	EX | BIO
109		Image Processing Based Hand Gesture Controlled Wireless Robotic Navigation	EX
110		Fingerprint Secured Winlogon Attachment for Desktop Computers	IT
111		Smart Door Bell with Visitor Message Recorder	EX
112		Dynamic Queue Manager for Customer Care Services	IT
113		An Innovative Encrypted SMS System for Android Phones	IT
114		Zip it up SMS - A Path Breaking Model in The Field of Mobile Messaging	IT
115		No Queue (Uninterrupted) Toll Tax Collection System using Wireless Technology	EX
116		Image Processing Based Automatic Seat Belt Detection of Car Driver	IT
117		Pilgrims Tracking Using Wireless Sensor Network	EX
118		PC Based Biomedical on Bed Patient Monitoring System	EX | BIO
119		LiFi-Light Fidelity : Free Space Visual Light Communication (VLC) System	EX | IT
120		Multiprocessor Based Multimedia Controlled Multifunctional ROBOT	EX
121		Centralized Real Time Flood Monitoring of City	EX
122		PC Controlled Fully Automatic Customized Color [Chemical] Mixing System	EX

LIP#	Sub	Title	Type
123		Image Processing Based Fully Autonomous Fire Fighting ROBOT	EX
124		Design of Anti-Collision System for Railways	EX
125		Brainwave Based Continuous Monitoring of Driver Alertness	EX | IT | BIO
126		RFID Based Hand Held Terminal for Attendance System of College Students	EX
127		Fingerprint Based Hand Held Terminal for College Students Attendance System with No Proxy	EX | IT
128		Automation of Wireless Scheduled Water Distribution System	EX
129		GSM-SMS Based Remote Irrigation-Pump Controlling System for Agriculture	EX
130		Fully Automatic Unmanned Railway Gate Controlling System	EX
131		Soft Biometric Traits for Continuous User Authentication	IT
132		Braille Language - Self Learner for Blinds	EX | IT | BIO
133		Design & Development of Automatic Baby Incubator	BIO
134		Fundus Image Processing for Diabetic Retinopathy Retinal Images	IT
135		Smart Device for Vehicles	EX
136		Real Time Traffic Density Monitoring System with Graphical Interface on PC	EX
137		Automation of Green House Monitoring & Controlling System	EX
138		Remote Socket Controller - Monitoring and Controlling of Power Consumption of Electrical Devices	EX
139		Face Liveness Detection From a Single Image via Diffusion Speed Model	IT
140		An Approach Towards Human Finger Controlled Artificial ROBOTIC Finger	EX
141		Content Based Image Retrieval System (CBIR) - Histogram Based	IT
142		OTP SMS Based Two Factor Authentication for ATM	EX | IT
143		Capnography - Noninvasive Method for Monitoring the Level of CO_2 in Exhaled Breath	BIO
144		Image Processing Based Multitouch Motion Gesture Recognition for Various PC Operation	IT
145		Digital Air Brush - Virtual Drawing Canvas Using Image Processing - HCI	EX | IT
146		LiFi Integrated to Power-lines for Smart Illumination cum Communication	EX
147		Eye Controlled Wheelchair for Paralyzed Persons - Image Processing	EX | BIO
148		Keeping Eye on Drivers Eye - To Prevent Accidents	EX | IT
148	a	Image Processing Based	EX | IT
148	b	Sensor Based	EX

LIP#	Sub	Title	Type
149		True Finger Print Based Fully Secured Voting System	EX
150		BlueHome - Using Mobile as Remote Control for Home Appliances	EX
151		Most Advanced Real Time Live Video Stegnography - Embedding Information while creating New Video	IT
152		OpenCV Based Image Processing Controlled Design & Development of Vision for ROBOT	EX
153		Android Mobile Based Searching & Reserving for Parking Space in City	EX
154		Motion Recognition Based on Face and Hand Activity Detection	IT
155		Rescue and Protection System for Underground Mine Workers Based on Zigbee	EX
156		Watchman's Watcher - Security 24x7 - Smart Guard Time Attender	EX
157		Development of Wireless GAIT Analysis And Spinal Rotation Measurement	BIO
158		GPRS Based LIVE Remote Patient Health Monitoring System	EX | BIO
159		Movable Patient Health Monitoring with SMS Alert & Real Time Location	EX | IT | BIO
160		TrackEye : Real-Time Tracking of Human Eyes Using a Webcam	IT
161		A Dynamic Skin Detector Based on Face Skin Tone Color	IT
162		Human hand tracking using MATLAB to control Arduino based robotic arm	EX | IT
163		Operating PC through Android Mobile	IT
164		Android Mobile Based GPRS Commando Pinging System	IT
165		GPS Based Vehicle Position Tracking on Google Map in Real Time	EX
166		A Fusion Approach for Efficient Human Skin Detection - 2D Histogram + GMM	IT
167		Hand Held Terminal for Election - Increasing The Voter Count	EX
168		Finger Print Authenticator for ATM Machines	IT
169		Zigbee Based Wireless Network for City Clean-Up ! : Bins Overflow Indicator & Waste Collection M	EX
170		Mobile Tracking Live on Google Map in Real Time	IT
171		Intelligent Gadgets for Bikers With GPS Positioning & Alert SMS	EX
172		Contour Analysis : Robust Any Shape Recognition Invariant to Transposition, Rotation, Scaling	IT
173		Android Mobile Based Employee Attendance System	IT
174		Image Transformation - Gray Scale to Color Conversion	IT
175		Android Mobile Based Queue Less Ticketing System for Local Trains	IT
176		Prompt Indian Coin Recognition with Rotation Invariance using Image Processing	IT

LIP#	Sub	Title	Type
177		Android Mobile Access of College Library Information	IT
178		Multifunctional Robot Equipped with GPRS-GPS-Arm-Sensors-Cam	IT
179		Remote PC Interfacing - SMS Based Switching ON-GPRS Based Fetching Info & Process Activation	EX | IT
180		Real Time IP Based Handwritten Printed Character Recognition	IT
181		Medication Adherence by Using a Hybrid Automatic Reminder Machine	EX | BIO
182		TeleTouch - A Revolution to Automation	EX | IT
183		Complete Home Automation	EX
184		Development of WiFi - BlueTooth Communication Protocol	IT
185		SPARSH - Passing Data Through Body as a Medium - Red Tacton - HAN	EX | IT
186		Multiple Styles Wireless Crawling ROBOT - SandBot	EX
187		Enabling Visually Impaired to Read Text PC-Mobile	EX | IT | BIO
188		Head Motion Controlled Wheelchair	EX | BIO
189		Digital Petrol Quantity-Level Meter for Vehicles - No More Cheating	EX
190		Accelerometer Based Hand Glove for Advanced Wireless ROBOT Controlling	EX
191		Touch Screen Based Hand-Written Character Recognition	IT
192		Face Recognizing ROBOT - A Combat ROBOT Equipped with Computer Vision to Fire Only on Enemy	EX
193		Brain Computer Interface Device for Speech Impediments	EX | IT | BIO
194		Automatic Sleep Apnea Detector	BIO
195		Mobile Based Automatic Appointment Scheduler for Doctors	IT
196		Embedded Digital Notebook for Students - Save Paper	EX
197		Flex Sensor Based Wireless Glove for Robotic Surgery ARM	EX
198		Mobile Interactive GPRS Based Objective Examination System	IT
199		Visual Cryptography - a new approach towards image stegnography	IT
200		Design of Intelligent Traffic Light Controller Using Embedded System	EX
201		GPS Protected Secured LOCK-SAFE	EX
202		Incampus Wireless Navigator for Blinds	EX
203		Development of Biomedical PC Controlled Automatic Traction	BIO
204		Wireless Sensor Networks for Condition Monitoring in the Railway Industry:	EX

LIP#	Sub	Title	Type
205		Vehicle-To-Vehicle Communication: The Future of Vehicle Crash Avoidance	EX
206		A Fair FARE System - a Meter that can NOT Cheat	EX
207		Unmanned Bus Ticketing System	EX
208		Human GPS Path Tracer & Logger in Android Mobile	IT
209		3D Gesture Mouse : Leap Motion Controlled Mouse Operation	IT
210		Android Mobile Based College NOTICE Reception System	IT
211		Real Time Detection of Abandoned Objects in Live Incoming Security Video CAM	IT
212		Real-Time Detection and Tracking of Traffic Sign in Video Sequences for Autonomous Mobile ROBOT	EX
213		Designing Smart Card Based Prepaid Electricity Meter	EX
214		Integrating Remote Sensors in a Smartphone: the project "Sensors for ANDROID in Embedded systems"	EX
215		Monitoring Breathing Pattern - Measurement of Respiratory Changes in Palliative Care	BIO
216		Accelerometer Based Automatic Self Balancing Platform	EX
218		Touch Screen Based Invisible PIN-GRAPH Entry for ATM Authentication	IT
219		GPS-BOT : Autonomous Navigation From Location A to B - Driverless Vehicle	EX
220		Design & Development of Automatic Power Theft Detection in Electricity Distribution	EX
221		Image Processing - Vision Based Intelligent Traffic Light Controlling System	EX | IT
222		Vehicle Anti-Theft Control System Design Using Embedded System	EX
223		Road Conditions Detection using Aruduino Based Sensing Module and Smartphone	EX | IT
224		CAN Based System Architecture for Industrial SCADA Application	EX
225		Shopping Application System With Near Field Communication (NFC) Based on Android	IT
226		Design & Development of Biomedical Infusion Syringe Pump	BIO
227		Design & Development of Biomedical Blood Infusion Warmer	BIO
228		Finger Braille: Tactile Communication For Differently Abled	EX | IT | BIO
229		Robust Railway Crack Detection Scheme with GPS Location Logging	EX
230		Digital Dental Pressure Monitoring System	BIO
231		Image Processing Based Real Time Automatic Missile Detection & Destroy	EX
232		Transcutaneous Electrical Nerve Stimulator (TENS)	BIO
233		Wireless Black Box Using MEMS Accelerometer and GPS Tracking for Accidental Monitoring of Vehicles	EX

LIP#	Sub	Title	Type
234		Embedded System Design of a Real-time Parking Guidance System	EX
235		Optical Heart-Beat Monitoring System	BIO
236		OpenCV Based Robust License-Number Plate Recognition	IT
237		EMG - Myoelectric Controlled Prosthetic Device	BIO
238		Development of Electronic - Digital Stethoscope (Phonocardiogram)	BIO
239		Android Mobile Based Speech Controlled Wheelchair for Physically Challenged	EX | BIO
240		Design & Development of Monitoring of Sweat Rate	BIO
241		NFC Mobile Based College Students Attendance Collection & Uploading to Server Using GPRS !	IT
242		CAN Application for Vehicle Automation	EX
243		Zigbee Based Wireless Electrocardiogram (ECG)	BIO
244		Development of Digital Blood Pressure Meter	BIO
245		Remote-Control System of High Efficiency and Intelligent Street Lighting Using a ZigBee Network	EX
246		Hand Gesture - Vision Based Remote Control for Home Appliances : Handmote	EX | IT
247		Rotating LED Display - with Rotating Message	EX
248		A Novel Mobile Wireless Sensing System for Real Time Monitoring of Posture and Spine Stress	BIO
249		ZigBee Based Multi-Level Parking Vacancy Monitoring System	EX
250		Research on M2M Link of Remote Wireless Monitoring System Based on GPRS and MCU	EX
251		Automatic Drip Rate Monitoring & Controlling System	BIO
252		Touch Screen & Zigbee Based Wireless Communication Assistance	EX
253		Design & Development of Biomedical Spirometer Machine	BIO
254		Automatic Detection of Empty Cylinder & Booking Via SMS Technology	EX
255		Automatic Electricity Failure Detection System for Quick Response	EX
256		Automatic Detection & Fine Generation for Vehicles Parked at NO Parking ZONE	EX
257		Revolutionary Eco Friendly Horn - Reducing Noise Pollution	EX
258		Design & Development of Touch Interaction for Projectors	IT
259		AirSniffer: A Smartphone-Based Sensor System for Body Area Climate and Air Quality Monitoring	EX | IT
260		Brainwave Based Mind Controlled Bulb with Intensity Variation	EX
261		Computer Vision Based Image Processing for Automatic Alert Generation on Falling Objects-Human	IT

LIP#	Sub	Title	Type
262		Design & Development of Real Time 2D Augmented Reality	IT
263		Most Advanced Smart Shopping Cart - Auto Bill Generation	EX
264		Smart Trial Rooms - Your Shopping Assistance	IT
265		Design and Prototype of Automatic In-Vehicle Road Sign Delivery System	EX
265	a	RFID Based	-
265	b	GPS Based	-
266		Revolutionary Election (Polling) System using ATM - Drastically Reducing the Budget	IT
267		NFC Based Mobile Interactive Shopping Assistance	IT
268		Revolutionary NFC Ticketing System for NON NFC Mobile	IT
269		Face Recognition Based Automatic Mass Attendance System of College Students	IT
270		Tracking-Learning-Detection (TLD) - Predator: Camera That Learns	IT
271		Door that Identifies You - Keyless Door Lock - Your Face is the Only Key for Your Locks	EX | IT
272		An Integrated Cloud-Based Smart Home Management System with Community Hierarchy	EX
273		Flex Based Glove for Sign Language (Gesture) Recognition With Voice	EX
274		OpenCV Based Hand Gesture Recognition for Natural Human Computer Interaction	IT
274	a	Sign to Text-Speech	-
274	b	Various PC Operations	-
275		Mouseless - An Invisible Mouse (HCI - Human Computer Interface)	EX | IT
275	a	Color Based Operation - Colors on Fingers (Basic)	-
275	b	Pure Palm & Finger Based Operation - NO Colors (Advanced)	-
275	c	Face & Eye Gesture Controlled Operation - Hands Free Cursor Control	-
276		Innovative Color Coded Cryptography	IT
277		Area Based Automatic Regulation of Speed for Fast Vehicles	EX
277	a	RF Based	-
277	b	GPS Positioning Based	-
278		A Rescue System of an Advanced Ambulance Using Prioritized Traffic Switching	EX