



EMBEDDED SECURITY		
S.NO	PROJECT CODE	TITLE
1	ITSC01	Development of Web-Based Smart Security Door Using QR Code System
2	ITSC02	Systematic Survey on Smart Home Safety and Security Systems Using the Arduino Platform
3	ITSC03	Design of Intelligent Voice Message Doorbell Based on Microcontroller
4	ITSC04	Smart Parking with Computer Vision and IoT Technology
5	ITSC05	IOT Based Women Security: A Contemplation
6	ITSC06	Wireless Home Automation Communication and Security with Internet of Things
7	ITSC07	Pulse Induction Metal Detector: A Performance Application
8	ITSC08	Arduino Based Smart Home Warning System

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PHASE 1, BANGALORE 560100.

Website: www.lnva.in . Contact – 9944394077 / 9080602289.

Mail id – lnvatechnologies@gmail.com



AUDINO		
S.NO	PROJECT CODE	TITLE
9	ITAD01	Arduino Based IoT Device for Septuagenarian Fall Detection
10	ITAD02	Arduino based Hardware Implementation of Automatic Side Stand for Motor Bike
11	ITAD03	Arduino and Remote based Gesture Keyboard
12	ITAD04	Design and Development of Temperature Control Loop of Hair Dryer Using Arduino
13	ITAD05	Arduino based Sensor Equipped Fire Surveillance Drone
14	ITAD06	Design and Development of IoT based Robotic Arm by using Arduino
15	ITAD07	Design and Implementation of an Arduino Based Smart Home
16	ITAD08	ATM Security System Using Arduino

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17	ITAD09	Arduino Based traffic congestion control with automatic signal clearance for emergency vehicles and Stolen Vehicle Detection
18	ITAD10	Arduino based Automated Domestic Waste Segregator
19	ITAD11	Real-time Location Tracker for Critical Health Patient using Arduino, GPS Neo6m and GSM Sim800L in Health Care
20	ITAD12	Arduino based Automated Sports Court Drawing Bot
21	ITAD13	Design and Implementation of Intelligent Light Control System Based on Arduino
22	ITAD14	Arduino based Smart Borewell Ambulance Rescue System
23	ITAD15	An Automated Electronic tongue with instantaneous taste detectors using IR sensor and Arduino
24	ITAD16	Smart Door Using Biometric NFC Band and OTP Based Methods
25	ITAD17	Intelligent Braking System Voice Assisted and Gesture

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		Controlled Companion Robot
26	ITAD18	Sand Mining Detection - Using IOT
27	ITAD19	Automated Smart Locker for College
28	ITAD20	Obstacle Detecting Multifunctional AGRIBOT Driven By Solar Power
29	ITAD21	An IoT-Based Smart Aquarium Monitoring System
30	ITAD22	Two-way Authentication Secured Voting System
31	ITAD23	Smart Pill Box for Visually Challenged People
32	ITAD24	Object Detection for Blind People using MATLAB
33	ITAD25	Enhancement of ATM Transactions by Implementing Finger Print Recognition
34	ITAD26	Smart Helmet System for Accident Prevention
35	ITAD27	Voice and Hand Gesture Based Home Automation for Physically Challenged
36	ITAD28	Bus Indication for Visually Challenged People using RFID

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37	ITAD29	Implementation of Smart Wireless Pedestrian Crossing Control System
38	ITAD30	Safety and Health Monitoring Helmet for Construction Workers
39	ITAD31	Efficient Power Saver for Street light using Solar Power
40	ITAD32	Smart Assistance for Dumb and Deaf
41	ITAD33	Building a Fish Vegetable Coexistence System Based on a Wireless Sensor Network
42	ITAD34	Designing of Smart and Secure Single ATM Card for Multiple bank Accounts
43	ITAD35	Smart Electricity Meter Data Intelligence for Future Energy System
44	ITAD36	Solar Panel Power Monitoring System using Lo-Ra

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IOT [INTERNET OF THINGS]		
S.NO	PROJECT CODE	TITLE
45	ITIOT01	IOT based Electrical Device Surveillance and Control System
46	ITIOT02	Smart Energy Efficient Home Automation System Using IoT
47	ITIOT03	Automation in Agriculture and IoT
48	ITIOT04	Wireless Power Transmission for the Internet of Things (IoT)
49	ITIOT05	Design and Analysis of IoT-Based Intelligent Robot for Real-Time Monitoring and Control
50	ITIOT06	Development of an Energy Meter based on IoT
51	ITIOT07	An IoT-Based Intelligent System for Real-Time Parking Monitoring and Automatic Billing
52	ITIOT08	Design and Analysis of IoT based Air Quality Monitoring System

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53	ITIOT09	Waste Management Improvement in Cities using IoT Low Cost IoT Enabled Weather Station
54	ITIOT10	IoT Based Power Monitoring System for Smart Grid Applications
55	ITIOT11	Protecting the Agriculture field by IoT Application
56	ITIOT12	Internet of Things (IoT) Based Smart Health Care Medical Box for Elderly People
57	ITIOT13	Wheelchair control through eye blinking and IoT platform
58	ITIOT14	Development of IoT Heartbeat and Body Temperature Monitoring System for Community Health Volunteer
59	ITIOT15	Agricultural Field Monitoring System Based on IOT
60	ITIOT16	Home Automation and Security using IOT
61	ITIOT17	Sensor Based Garbage Segregation and Monitoring System using IOT
62	ITIOT18	Women Safety Smart Device with Location Sharing using IOT

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63	ITIOT19	Theft Vehicle Number Plate Tracking using MATLAB & Alert System in IOT
64	ITIOT20	IOT Based Emergency and Theft Vehicle Identification in Traffic System using RFID
65	ITIOT21	IOT Based Coal Mine Safety Monitoring and Controlling
66	ITIOT22	Supermarket Shopping Cart System Using IOT And RFID Technology
67	ITIOT23	Smart Gardening Automation using IOT
68	ITIOT24	Automobiles Based Black-Box System using IOT
69	ITIOT25	Automatic Railway Gate Crossing Control and Track Crack Detection System using IOT
70	ITIOT26	Smart Infant Incubator using IOT
71	ITIOT27	IOT Based Automated FishFeeder
72	ITIOT28	Smart Car Parking System using IOT
73	ITIOT29	Flood Early Detection and Alert System using IOT

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LIGHT FIDELITY		
S.NO	PROJECT CODE	TITLE
74	ITLF01	Room Identification Guidance for Blind People in the House using Li-F
75	ITLF02	Li-Fi Based Communication System Between Vehicles to Avoid Accidents on Road
76	ITLF03	Isolated Patient Health Monitoring for COVID treatment using Li-Fi
77	ITLF04	Li-Fi Based Home Automation
78	ITLF05	Navigation System for Vehicles in Complex Road Intersection
79	ITLF06	Implementation of Li-Fi Technology in Supermarkets
80	ITLF07	Machine to Machine (PC-PC) Data Transmission Through Li-Fi
81	ITLF08	Bus Arrival Information for Passengers in Bus Stop Through Li-Fi
82	ITLF09	Audio Transmission using LiFi Technology
83	ITLF10	Real Time Text Transmission Implemented for Underwater Wireless Communication using Li-Fi

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RSSI		
S.NO	PROJECT CODE	TITLE
84	ITRSS01	COVID Patient Escape Alert System from Isolation Ward using RSSI
85	ITRSS02	RSSI based School Zone Alert System for Vehicles to Avoid Accidents
86	ITRSS03	Sea-way Border Alert System for the Person in the Boat by Implementing RSSI
87	ITRSS04	Leaving the Space for Emergency Vehicle by using RSSI.
88	ITRSS05	Prisoner Escape Alert System to the Warden Inside the Prison
89	ITRSS06	Child Missing Alert System for Parent in Public Places by RSSI
90	ITRSS07	Boundary Crossing Intimation to Soldier from Camp by using RSSI
91	ITRSS08	Implementation of RSSI for Mentally Unstable Person in Particular Parameter
92	ITRSS09	Sand Theft Prevention by Implementing RSSI
93	ITRSS10	Smart Way to Catch Theft Vehicle and Theft Person using RSSI

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94	ITRSS11	Personal Assistant for Visually Impaired People in Malls using RSSI
95	ITRSS12	A System for Detection and Tracking of Human Movements using RSSI



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ROBOTICS		
S.NO	PROJECT CODE	TITLE
96	ITROB01	Gesture-based Contactless Control of Mobile Manipulators using Capacitive Sensing
97	ITROB02	Navigation Command Matching for Vision-based Autonomous Driving
98	ITROB03	Exploiting Object Similarity for Robotic Visual Recognition
99	ITROB04	Mobile Robot Swarm Navigation and Communication Using LoRaWan
100	ITROB05	Increasing Accessibility of Electric Vehicles with Joystick Based Drive-By-Wire Model
101	ITROB06	Design of a Biped Water Supply Robot Based on Single Chip Microcomputer
102	ITROB07	Low power Smart Vehicle Tracking, Monitoring, Collision avoidance and Antitheft System
103	ITROB08	Design of Intelligent Agricultural Greenhouse Control System Based on Single-chip Microcomputer
104	ITROB09	Automated Exterior Wall Painting Robot Using Raspberry Pi
105	ITROB10	IoT-Based Smart Shopping Cart Using Radio Frequency Identification
106	ITROB11	Integration of the Mobile Robot and Internet of Things to Monitor Older People

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107	ITROB12	Design, Implementation, and Controlling of a Humanoid Robot
108	ITROB13	OmBUro: A Novel Unicycle Robot with Active Omnidirectional Wheel
109	ITROB14	Military Support and Rescue Robot
110	ITROB15	Intuitive Voice Controlled Robot for Obstacle, Smoke and Fire Detection for Physically Challenged People
111	ITROB16	Arduino based Automated Sports Court Drawing Bot
112	ITROB17	Design and Development of IoT-based Robot
113	ITROB18	Floor Cleaning Robot using Bluetooth Technology
114	ITROB19	Land-Mine Detection Robot using Wireless Technology
115	ITROB20	Autonomous Vehicle with the Aid of Computer Vision
116	ITROB21	Farm Irrigation Robot using Image processing
117	ITROB22	Smart Solar Grass Cutter Robot
118	ITROB23	Medical Assist Robot for Isolated Ward Patient in Hospital
119	ITROB24	Fire Fighting Robot
120	ITROB25	MEMS Based Gesture Control Robot using Wireless Communication
121	ITROB26	Autonomous Vehicle in Obstacle Free Environment

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GSM and GPS		
S.NO	PROJECT CODE	TITLE
122	ITGP01	Patient Health Monitoring System using GPS & GSM
123	ITGP02	Theft Alert of Vehicle with Fingerprint Verification using GSM & GPS
124	ITGP03	Disaster Management and Early Warning System
125	ITGP04	ATM Security using GSM & GPS
126	ITGP05	Weather Monitoring System using GPS & GSM
127	ITGP06	Gas Leakage and Fire Detection using GPS & GSM
128	ITGP07	Obstacle Detection and Emergency Alert for Visually Challenged People by using GSM & GPS
129	ITGP08	Alert Message to Parent about Child Arrival & Depart from School by using GSM
130	ITGP09	Sleep Detection with Driver Assistance Security for Accident Avoidance based System
131	ITGP10	Violence Alert System to Police using GSM & GPS with the help of MATLAB
132	ITGP11	GSM Based Irrigation System For Monitoring Agriculture

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133	ITGP12	Arduino GSM based Power Theft Detection and Energy Metering System
134	ITGP13	Automatic gate control for highly secure organization using RFID and GSM Technology
135	ITGP14	Development and Performance Analysis of a GPS-GSM Guided System for Vehicle Tracking
136	ITGP15	An Efficient Smart Irrigation System for Solar System by using PIC and GSM
137	ITGP16	IoT Based Health Monitoring System
138	ITGP17	Low power Smart Vehicle Tracking, Monitoring, Collision avoidance and Antitheft System
139	ITGP18	Fuel Theft Prevention System
140	ITGP19	IOT Based Smart Helmet for Construction Workers
141	ITGP20	Smart Vehicle Parking System Using IoT
142	ITGP21	Arduino based Smart Walking Cane for Visually Impaired People
143	ITGP22	Internet of Things (IoT) Based Fire Alert Monitoring System for Car Parking
144	ITGP23	Smart Wearable Device for Women Safety Using IoT
145	ITGP24	Development of a LPG Monitoring and Automatic Cylinder Booking System Based on WSN

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RASPBERRY PI		
S.NO	PROJECT CODE	TITLE
146	ITRSB01	Raspberry pi based Intelligent Reader for Visually Impaired Persons
147	ITRSB02	Indoor Intrusion Detection and Filtering System Using Raspberry Pi
148	ITRSB03	Design of smart home controller based on raspberry PI
149	ITRSB04	Automatic Identification of Vehicle Plate Number using Raspberry Pi
150	ITRSB05	Detection of Vehicle Maximum Speed with an Infrared Sensor Based on Raspberry Pi 3 b +
151	ITRSB06	Automated Exterior Wall Painting Robot Using Raspberry Pi
152	ITRSB07	Low Cost Extended Wireless Network Using Raspberry Pi 3B+
153	ITRSB08	Braille Book Reader using Raspberry Pi

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154	ITRSB09	Secure Home Entry Using Raspberry Pi with Notification via Telegram
155	ITRSB10	An intelligent baby monitoring system based on Raspberry PI, IoT sensors and convolutional neural network
156	ITRSB11	Real Time Vehicle Detection, Tracking and Counting Using Raspberry-Pi
157	ITRSB12	Intelligent HMI and Control for Steering a Powered Wheelchair Using a Raspberry Pi Microcomputer
158	ITRSB13	Automated Motion Detection Security System Notifier using Raspberry Pi with Telegram
159	ITRSB14	Design and Implementation of Advanced Automatic Driving System using Raspberry Pi
160	ITRSB15	Face Recognition Based Smart Attendance System
161	ITRSB16	Voice Assisted and Gesture Controlled Companion Robot
162	ITRSB17	24x7 Smart IoT based Integrated Home Security System
163	ITRSB18	Surveillance Camera using IoT and Raspberry Pi

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164	ITRSB19	MobileNet Neural Network skin disease detector with Raspberry pi Integrated to Telegram
165	ITRSB20	Image Text Reader for Visually Impaired in Desired Language



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BIO MEDICAL		
S.NO	PROJECT CODE	TITLE
166	ITBM01	Arduino based Virtual Keyboard for Locked-in-Syndrome
167	ITBM02	Implementation of Internet of Things in Biomedical Measurement and Instrumentation Course Project
168	ITBM03	Arduino based Real Time Drowsiness and Fatigue Detection for Bikers using Helmet
169	ITBM04	Low-Complexity System and Algorithm for an Emergency Ventilator Sensor and Alarm
170	ITBM05	Gesture Controlled Wheel Chair and Convertible Wheel Chair into Stretcher
171	ITBM06	Detection of White Blood Cell Cancer using Image Processing and Updated in IOT
172	ITBM07	Diagnosis of Skin Cancer using Arduino and Image Processing
173	ITBM08	Thyroid Detection System using Image Processing and Arduino

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174	ITBM09	Glaucoma Detection using Fundus Images of the Eye
175	ITBM10	Supervised Saliency Map Driven Segmentation of Lesions in Dermoscopic Images
176	ITBM11	Retinal Layer Abnormality Detection in OCT Images
177	ITBM12	Plasmodium Falciparum Detection in Microscopic Blood Cell Images to Avoid Sudden Death of People from Malaria
178	ITBM13	Medical Smart Card System for Patient Record Management
179	ITBM14	Patient Health Care Monitoring and Tracking System
180	ITBM15	Smart Tiles for Elder Tracking and Fall Detection System

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WIRELESS		
S.NO	PROJECT CODE	TITLE
181	ITWL01	A LoRa Based Wireless Relay Network for Actuator Data
182	ITWL02	IOT Based Wireless Sensor Network for Air Pollution Monitoring
183	ITWL03	Implementation of Wireless Sensor Network as Fire Detector using Arduino Nano
184	ITWL04	Arduino-Based Wireless Motion Detecting System
185	ITWL05	Design and Implementation of Bionic Manipulator System with Wireless Control
186	ITWL06	Wireless Hand Gesture Recognition for an Automatic Fan Speed Control System: Rule-Based Approach
187	ITWL07	Design and Implementation of Portable Smart Wireless Pedestrian Crossing Control System
188	ITWL08	Low Power Wireless Data Transfer for Internet of Things: GSM Network Measuring Results
189	ITWL09	Implementation of an IoT based Pet Care System

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190	ITWL10	Analysis of the Water Quality Monitoring System
191	ITWL11	IoT based Smart Parking System: A Proposed Algorithm and Model
192	ITWL12	Design of Intelligent Voice Message Doorbell Based on Microcontroller
193	ITWL13	Design and Realization of Blood Oxygen and Heart Rate Sensor Nodes in Wireless Body Area Network
194	ITWL14	Bus Arrival Information System for Passenger
195	ITWL15	An Improved Version of Student Attendance Management System based on RFID
196	ITWL16	Smart Guide Stick for Blind Using Zigbee
197	ITWL17	Air Pollution Monitoring System using Wireless Network.
198	ITWL18	Remotely Monitoring Health of The Solar Power System Using Arduino
199	ITWL19	Zigbee Based Agricultural Monitoring System using Wireless Sensor Network
200	ITWL20	Early Flood Detection and Monitoring System Based

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		on Wireless Sensor Network
201	ITWL21	Internet Controlled Car



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MECHANISM		
S.NO	PROJECT CODE	TITLE
202	ITMC01	Direct Sensing Two-Axis Solar Tracking System
203	ITMC02	Smart Garbage Monitoring System for Waste Managemen
204	ITMC03	Intelligent Wheelchair for Handicapped Persons
205	ITMC04	Man-Machine Interface for Objects control using MEMS
206	ITMC05	RFID based Book Identification System in Libraries
207	ITMC06	Automatic Work Piece Counting using Arduino
208	ITMC07	Poor Quality Rejection using Automations

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