

S.NO	Project Code	IEEE 2018-19 PROJECTS Title	Domain
1	ESP1801	A System for Monitoring Hand Hygiene Compliance based-on Internet-of- Things	IOT
2	ESP1802	Agricultural Crop Monitoring using IOT- A Study	IOT
3	ESP1803	An Autonomous Wireless Body Area Network Implementation Towards IoT Connected Healthcare Applications	IOT
4	ESP1804	Analysis of Three IoT-Based Wireless Sensors for Environmental Monitoring	IOT
5	ESP1805	Child Safety Wearable Device	IOT
6	ESP1806	Connecting physical <i>things</i> to a Smart City-OS	IOT
7	ESP1807	Decentralized Configuration of Embedded Web Services for Smart Home Applications	IOT
8	ESP1808	Design of Online Monitoring Device for COD Parameter in Industrial Sewage Based on Soft Measurement Method	IOT
9	ESP1809	Developing Portable Instrument Based on Internet of Things for Air Quality Information System	IOT
10	ESP1810	Efficient Low Cost Supervisory System for Internet of Things Enabled Smart Home	IOT
11	ESP1811	EMACS: Design and Implementation of Indoor Environment Monitoring and Control System	IOT
12	ESP1812	Energy Autonomous Wireless Valve Leakage Monitoring System With Acoustic Emission Sensor	IOT
13	ESP1813	First step towards an IoT implementation of a wireless sensors network for environmental radiation monitoring	IOT
14	ESP1814	Health Care Monitoring System in Internet of Things by Using RFID	IOT
15	ESP1815	Internet-of-things based Smart Tracking	IOT
16	ESP1816	Real-Time Signal Quality-Aware ECG Telemetry System for IoT-Based Health Care Monitoring	IOT
17	ESP1817	Room Temperature Control and Fire Alarm/Suppression IoT Service Using MQTT on AWS	IOT
18	ESP1818	An IoT-based Health Care System for Elderly People	IOT

19	ESP1819	Arduino IoT Home Automation System for IR Devices	IOT
20	ESP1820	A Low Cost Automated Fluid Control Device using Smart Phone for Medical Application	EMBEDDED WITH ANDROID
21	ESP1821	Data Monitoring and Hardware Control for App Android by Bluetooth Communication for Laboratory Teaching in Electrical Engineering Courses	EMBEDDED WITH ANDROID
22	ESP1822	Design of Smart Neonatal Health Monitoring System using Sensor Mobile Cloud Computing	EMBEDDED WITH ANDROID
23	ESP1823	Mining Human Activity Patterns from Smart Home Big Data for Healthcare Applications	EMBEDDED WITH ANDROID
24	ESP1824	Real-time Traffic Light Recognition Based on Smart Phone Platforms	EMBEDDED WITH ANDROID
25	ESP1825	A Real Time Street Lighting Control System	EMBEDDED
26	ESP1826	A Two-level Traffic Light Control Strategy for Preventing Incident-Based Urban Traffic Congestion	EMBEDDED
27	ESP1827	A Unified Framework for Vehicle Rerouting and Traffic Light Control to Reduce Traffic Congestion	EMBEDDED
28	ESP1828	Automatic Detection of Red Light Running Using Vehicular Cameras	EMBEDDED
29	ESP1829	Body and Fall Detection System with Heart Rate Monitoring	EMBEDDED
30	ESP1830	Design and Implementation of Low Cost ECG Monitoring System for the Patient using Smart Device	EMBEDDED
31	ESP1831	Economic Feasibility Of Solar Powered Street Lighting System In Libya	EMBEDDED
32	ESP1832	Handover in Outdoor Visible Light Communication System	EMBEDDED
33	ESP1833	LED Projection Module Enables a Vehicle to Communicate with Pedestrians and Other Vehicles	EMBEDDED
34	ESP1834	Intelligent Home Automation System using BitVoicer	EMBEDDED
35	ESP1835	On Detecting Acceptable Air Contamination in Classrooms using Low Cost Sensors	EMBEDDED
36	ESP836	Reverse Engineering the Communications Protocol of an RFID Public Transportation Card	EMBEDDED
37	ESP1837	Syncretise Use of Smart Meters for Power Quality Monitoring in Emerging Networks	EMBEDDED

38	ESP1838	RFID-Based Attendance Management System	EMBEDDED
39	ESP1839	Towards Intelligent Arabic Text-to-Speech Application for Disabled People	EMBEDDED
40	ESP1840	Tuning of a Stigmergy-based Traffic Light Controller as a Dynamic Optimization Problem	EMBEDDED
41	ESP1841	Wheel Therapy Chair: A smart system for disabled person with therapy facility	EMBEDDED
42	ESP1842	Anti-theft Protection of Vehicle by GSM & GPS with Fingerprint Verification	BIOMETRIC
43	ESP1843	Design and Implementation of a Fingerprint Based Lock System for Shared Access	BIOMETRIC
44	ESP1844	Flexible Micro displacement Sensor for Wearable/Implantable Biomedical Applications	BIOMETRIC
45	ESP1845	Indoor Localization Framework with Wi-Fi Fingerprinting	BIOMETRIC
46	ESP1846	Secure House: A Home Security System Based on Smartphone Sensors	BIOMETRIC
47	ESP1847	An Android Based Human Computer Interactive System with Motion Recognition and Voice Command Activation	ROBOTICS
48	ESP1848	Low-Cost, Real-Time Obstacle Avoidance for Mobile Robots	ROBOTICS
49	ESP1849	Mine Detecting Robot Prototyping	ROBOTICS
50	ESP1850	Mobile Quad-Controlled Wireless Robotic Arm	ROBOTICS
51	ESP1851	Robotic Testing of Mobile Apps for Truly Black-Box Automation	ROBOTICS
52	ESP1852	A Smart Meter Design and Implementation Using Zigbee Based Wireless Sensor Network in Smart Grid	WIRELESS
53	ESP1853	A Real-Time Flood Alert System for Parking Lots	WIRELESS
54	ESP1854	Design and Implementation of Real Time Transformer Health Monitoring System Using GSM Technology	WIRELESS
55	ESP1855	E-health Acquisition, Transmission & Monitoring System	WIRELESS
56	ESP1856	Electrical Appliances Control Prototype by Using GSM Module and Arduino	WIRELESS
57	ESP1857	Energy-Efficient Localization and Tracking of Mobile Devices in Wireless Sensor Networks	WIRELESS

58	ESP1858	Improvement in Multiple Access Channel Allocation for Sensor Node Configuration Based on RFID Communication	WIRELESS
59	ESP1859	Lightweight Mash up Middleware for Coal Mine Safety Monitoring and Control Automation	WIRELESS
60	ESP1860	Microcontroller based Digital Meter with Alert System using GSM	WIRELESS
61	ESP1861	Realisation of a Smart Plug device based on Wi-Fi technology for use in Home Automation systems	WIRELESS
62	ESP1862	Text And Image Transmission System On Visible Light Communication	LIFI
63	ESP1863	Audio And Video Transmission System On Visible Light Communication	LIFI
64	ESP1864	Implementation Of Li-Fi For Multimedia Data Transfer Based On Visible Light Communication	LIFI
65	ESP1865	Patient Monitoring System	LIFI
66	ESP1866	A Non-Invasive Remote Health Monitoring System Using Visible Light Communication	LIFI
67	ESP1867	Green House Monitoring System	LIFI