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2015 IEEE EMBEDDED SYSTEMS PROJECT TITLES-B

2015 IEEE EMBEDDED SYSTEM

S.NO	P. CODE	PROJECT TITLE
1	E5EM001	"SEARCH, TRACK, AND KICK TO VIRTUAL TARGET POINT" OF HUMANOID ROBOTS BY A NEURAL-NETWORK-BASED ACTIVE EMBEDDED VISION SYSTEM
2	E5EM002	OFF-THE-SHELF LOW-COST TARGET TRACKING ARCHITECTURE FOR WIRELESS COMMUNICATIONS
3	E5EM003	CURRENT-RIPPLE-FREE MODULE INTEGRATED CONVERTER WITH MORE PRECISE MAXIMUM POWER TRACKING CONTROL FOR PV ENERGY HARVESTING
4	E5EM004	A CALCULATION METHOD OF PHOTOVOLTAIC ARRAY'S OPERATING POINT FOR MPPT EVALUATION BASED ON ONE-DIMENSIONAL NEWTON-RAPHSON METHOD
5	E5EM005	OPEN-SWITCH FAULT DETECTION METHOD OF A BACK-TO-BACK CONVERTER USING NPC TOPOLOGY FOR WIND TURBINE SYSTEMS
6	E5EM006	SENSITIVITY ANALYSIS OF TORQUE RIPPLE REDUCTION OF SYNCHRONOUS RELUCTANCE AND INTERIOR PM MOTORS
7	E5EM007	INDUCTION MACHINE DESIGN AND ANALYSIS FOR GENERAL MOTORS E-ASSIST ELECTRIFICATION TECHNOLOGY
8	E5EM008	COST-OPTIMIZED BATTERY CAPACITY AND SHORT-TERM POWER DISPATCH CONTROL FOR WIND FARM
9	E5EM009	EARLY DETECTION TECHNIQUE FOR STATOR WINDING INTER-TURN FAULT IN BLDC MOTOR USING INPUT IMPEDANCE
10	E5EM010	ROBUST SPEED CONTROL OF INDUCTION MOTOR DRIVES USING FIRST-ORDER AUTO – DISTURBANCE REJECTION CONTROLLERS
11	E5EM011	DUAL-PURPOSE OFFLINE LED DRIVER FOR ILLUMINATION AND VISIBLE LIGHT COMMUNICATION
12	E5EM012	SIMULATION AND PERFORMANCE COMPARISON OF A REAL-TIME CONTROLLER FOR A FIXED-SPEED ULTRAPRESSURE COMPRESSOR
13	E5EM013	POWER QUALITY ASSESSMENT IN DISTRIBUTION SYSTEMS EMBEDDED WITH PLUG-IN HYBRID AND BATTERY ELECTRIC VEHICLES
14	E5EM014	IMPLEMENTING INTELLIGENT TRAFFIC CONTROL SYSTEM FOR CONGESTION CONTROL, AMBULANCE CLEARANCE, AND STOLEN VEHICLE DETECTION
15	E5EM015	A SILICON-EMBEDDED TRANSFORMER FOR HIGH-EFFICIENCY, HIGH-ISOLATION, AND LOW-FREQUENCY ON-CHIP POWER TRANSFER
16	E5EM016	LOW-COMPLEX SYNCHRONIZATION ALGORITHMS FOR EMBEDDED WIRELESS SENSOR NETWORKS
17	E5EM017	ROBUST AND COMPUTATIONALLY LIGHTWEIGHT AUTONOMOUS TRACKING OF VEHICLE TAILLIGHTS AND SIGNAL DETECTION BY EMBEDDED SMART CAMERAS
18	E5EM018	LEARNING FLEXIBLE GRAPH-BASED SEMI-SUPERVISED EMBEDDING
19	E5EM019	GRAPH EMBEDDED EXTREME LEARNING MACHINE
20	E5EM020	GESTURE RECOGNITION USING WEARABLE VISION SENSORS TO ENHANCE VISITORS' MUSEUM EXPERIENCES
21	E5EM021	AUTOMATIC DETECTION AND NOTIFICATION OF POTHOLE AND HUMPS ON ROADS TO AID DRIVERS
22	E5EM022	A SMART FIBER FLOOR FOR INDOOR TARGET LOCALIZATION
23	E5EM023	AN OPEN SOURCE RESEARCH PLATFORM FOR EMBEDDED VISIBLE LIGHT NETWORKING
24	E5EM024	A CAN PROTOCOL BASED EMBEDDED SYSTEM TO AVOID REAR END COLLISION OF VEHICLES
25	E5EM025	AN EMBEDDED MONITORING UNIT FOR A LEAD-ACID BATTERY WITH REFERENCE TO A PV SYSTEM
26	E5EM026	ANDROID PHONE CONTROLLED VOICE , GESTURE AND TOUCH SCREEN OPERATED SMART WHEELCHAIR

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27	E5EM027	AUXILIARY SMART GAS SENSOR PROTOTYPE PLUGGED IN A RFID ACTIVE TAG FOR RIPENING EVALUATION
28	E5EM028	CAMERA CLICK ENERGY METER READING SYSTEM
29	E5EM029	DESIGN AND IMPLEMENTATION OF WATER ENVIRONMENT MONITORING SYSTEM USING GSM TECHNOLOGY
30	E5EM030	EFFICIENT HEATING SYSTEM USING SOLAR POWER
31	E5EM031	EMBEDDED SENSOR/ACTUATOR SYSTEM FOR AIRCRAFT ACTIVE FLOW SEPARATION CONTROL
32	E5EM032	GSM BASED INTERACTIVE VOICE RESPONSE SYSTEM FOR WIRELESS LOAD CONTROL AND MONITORING
33	E5EM033	LOW POWER WIRELESS CLIMATE MONITORING SYSTEM WITH RFID SECURITY ACCESS FEATURE FOR MOSQUITO AND PATHOGEN RESEARCH
34	E5EM034	ON THE DESIGN OF ENERGY EFFICIENT ENVIRONMENT MONITORING STATION AND DATA COLLECTION NETWORK BASED ON UBIQUITOUS WIRELESS SENSOR NETWORKS
35	E5EM035	PHOTOSENSITIVE SECURITY SYSTEM FOR THEFT DETECTION AND CONTROL USING GSM TECHNOLOGY
36	E5EM036	RFID-BASED SYSTEM FOR SCHOOL CHILDREN TRANSPORTATION SAFETY ENHANCEMENT
37	E5EM037	SMART HOME FOR ELDERLY CARE, BASED ON WIRELESSENSOR NETWORK
38	E5EM038	TEMPORAL ANALYSIS AND REMOTE MONITORING OF ECG SIGNAL
39	E5EM039	DYNAMICAL APPROACH FOR REAL-TIME MONITORING OF AGRICULTURAL CROPS
40	E5EM040	END-TO-END COMMUNICATION DELAY ANALYSIS IN INDUSTRIAL WIRELESS NETWORKS
41	E5EM041	SMARTPDR: SMARTPHONE-BASED PEDESTRIAN DEAD RECKONING FOR INDOOR LOCALIZATION
42	E5EM042	DRIVER BEHAVIOR PROFILING USING SMARTPHONES: A LOW-COST PLATFORM FOR DRIVER MONITORING
43	E5EM043	DTD: A NOVEL DOUBLE-TRACK APPROACH TO CLONE DETECTION FOR RFID-ENABLED SUPPLY CHAINS
44	E5EM044	TWO EMBEDDED SYSTEM DESIGN TECHNIQUES FOR WIRELESS REMOTE MONITORING SERVICE
45	E5EM045	AN INNOVATIVE APPROACH TOWARDS DETECTION AND EXCLUSION OF OVERLAPPED REGIONS IN GUARD ZONE COMPUTATION
46	E5EM046	DESIGN FOR VISUALLY IMPAIRED TO WORK AT INDUSTRY USING RFID TECHNOLOGY
47	E5EM047	SMART OFFICE ENERGY MANAGEMENT SYSTEM USING BLUETOOTH LOW ENERGY BASED BEACONS AND A MOBILE APP
48	E5EM048	A NOVEL VISION BASED ROW GUIDANCE APPROACH FOR NAVIGATION OF AGRICULTURAL MOBILE ROBOTS IN ORCHARDS
49	E5EM049	CONCEPTS AND SIMULATIONS OF A SOFT ROBOT MIMICKING HUMAN TONGUE
50	E5EM050	MOBILE MIDDLEWARE APPLICATION AND SERVICES FOR REAL-TIME WATER PUMP SYSTEM
51	E5EM051	RFID-BASED AUTOMATIC SCORING SYSTEM FOR PHYSICAL FITNESS TESTING
52	E5EM052	ADAPTIVE ROUTING FOR DYNAMIC ON-BODY WIRELESS SENSOR NETWORKS
53	E5EM053	RFID TECHNOLOGY FOR CONTINUOUS MONITORING OF PHYSIOLOGICAL SIGNALS IN SMALL ANIMALS
54	E5EM054	ACCURATE AND EFFICIENT OBJECT TRACKING BASED ON PASSIVE RFID
55	E5EM055	A ROBOT LOCALIZATION SYSTEM COMBINING RSSI AND PHASE SHIFT IN UHF-RFID SIGNALS
56	E5EM056	A TRIPLE-LOOP INDUCTIVE POWER TRANSMISSION SYSTEM FOR BIOMEDICAL APPLICATIONS
57	E5EM057	BUS DETECTION SYSTEM FOR BLIND PEOPLE USING RFID
58	E5EM058	AN IMPLANTABLE RFID SENSOR TAG TOWARD CONTINUOUS GLUCOSE MONITORING
59	E5EM059	AN IOT-AWARE ARCHITECTURE FOR SMART HEALTHCARE SYSTEMS
60	E5EM060	OPTIMIZATION OF RFID BASED WIRELESS NAVIGATION
61	E5EM061	RFID-BASED SMART BLOOD STOCK SYSTEM
62	E5EM062	A NEW SYSTEM FOR DRIVER DROWSINESS AND DISTRACTION DETECTION
63	E5EM063	WSN-BASED SMART SENSORS AND ACTUATOR FOR POWER MANAGEMENT IN INTELLIGENT BUILDINGS

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64	E5EM064	IMPLEMENTATION OF A WIRELESS ECG ACQUISITION SOC FOR IEEE 802.15.4 (ZIGBEE) APPLICATIONS
65	E5EM065	TRANSMISSION LINE RESISTANCE COMPRESSION NETWORKS AND APPLICATIONS TO WIRELESS POWER TRANSFER
66	E5EM066	TOWARD AN AUTONOMOUS SAILING BOAT
67	E5EM067	SBVLC: SECURE BARCODE-BASED VISIBLE LIGHT COMMUNICATION FOR SMARTPHONES
68	E5EM068	A SENSOR-BASED DUAL-ARM TELE-ROBOTIC SYSTEM
69	E5EM069	A ZIGBEE-BASED ANIMAL HEALTH MONITORING SYSTEM
70	E5EM070	LAST-METER SMART GRID EMBEDDED IN AN INTERNET-OF-THINGS PLATFORM
71	E5EM071	COEXISTENCE OF ZIGBEE-BASED WBAN AND WIFI FOR HEALTH TELEMONITORING SYSTEMS
72	E5EM072	REAL-TIME CLOSED-LOOP CONTROL OF HUMAN HEART RATE AND BLOOD PRESSURE
73	E5EM073	SMARTPHONE-CENTRIC AMBIENT ASSISTED LIVING PLATFORM FOR PATIENTS SUFFERING FROM CO-MORBIDITIES MONITORING
74	E5EM074	ACCURATE AND EFFICIENT OBJECT TRACKING BASED ON PASSIVE RFID
75	E5EM075	NFC FOR PERVASIVE HEALTHCARE MONITORING
76	E5EM076	OBSTACLE DETECTION AND AVOIDANCE BY A MOBILE ROBOT USING PROBABILISTIC MODELS
77	E5EM077	EFFICIENT SAMPLING-BASED MOTION PLANNING FOR ON-ROAD AUTONOMOUS DRIVING
78	E5EM078	PERFORMANCE ANALYSIS OF ZIGBEE BASED REAL TIME HOME AUTOMATION SYSTEM
79	E5EM079	TWO-DEGREE-OF-FREEDOM CONTROL OF A TWO-LINK MANIPULATOR IN THE ROTATING COORDINATE SYSTEM
80	E5EM080	SENSPEED: SENSING DRIVING CONDITIONS TO ESTIMATE VEHICLE SPEED IN URBAN ENVIRONMENTS
81	E5EM081	COOPERATIVE LOAD BALANCING IN HYBRID VISIBLE LIGHT COMMUNICATIONS AND WIFI
82	E5EM082	ECOFRIENDLY DATA TRANSMISSION IN VISIBLE LIGHT COMMUNICATION
83	E5EM083	RECEIVED SIGNAL STRENGTH INDICATION FOR MOVEMENT DETECTION
84	E5EM084	A CLOUD BASED BLUETOOTH LOW ENERGY TRACKING SYSTEM FOR DEMENTIA PATIENTS
85	E5EM085	ESTIMATION OF BUS TRAVELING SECTION USING WIRELESS SENSOR NETWORK
86	E5EM086	SYSTEM ARCHITECTURE FOR LOW POWER UBIQUITOUSLY CONNECTED REMOTE HEALTH MONITORING APPLICATIONS WITH SMART TRANSMISSION MECHANISM
87	E5EM087	SBVLC: SECURE BARCODE-BASED VISIBLE LIGHT COMMUNICATION FOR SMARTPHONES
88	E5EM088	DYNAMIC INTEGRATION OF APPLIANCES INTO ZIGBEE HOME NETWORKS THROUGH WEB SERVICES
89	E5EM089	RFID TECHNOLOGY FOR CONTINUOUS MONITORING OF PHYSIOLOGICAL SIGNAL IN SMALL ANIMALS
90	E5EM090	FORCE AND DISPLACEMENT ANALYSIS OF A HAPTIC TOUCH SCREEN
91	E5EM091	USING FUNCTIONAL ELECTRICAL STIMULATION MEDIATED BY ITERATIVE LEARNING CONTROL AND ROBOTICS TO IMPROVE ARM MOVEMENT FOR PEOPLE WITH MULTIPLE SCLEROSIS
92	E5EM092	EFFECTS OF CALIBRATION RFID TAGS ON PERFORMANCE OF INERTIAL NAVIGATION IN INDOOR ENVIRONMENT
93	E5EM093	DESIGN ISSUES AND SOLUTIONS IN A MODERN HOME AUTOMATION SYSTEM
94	E5EM094	HYBRID MECHANISM FOR MULTIPLE USER INDOOR LOCALIZATION USING SMART ANTENNA
95	E5EM095	DEVELOPMENT OF TWO DEGREES OF FREEDOM DETERMINISTIC PARALLEL ROBOTIC ARM UNIT
96	E5EM096	BRACON: CONTROL SYSTEM FOR A ROBOTIC ARM WITH 6 DEGREES OF FREEDOM FOR EDUCATION SYSTEMS
97	E5EM097	SPEECH-TO-SPEECH TRANSLATION HUMANOID ROBOT IN DOCTOR'S OFFICE
98	E5EM098	APPLICATION OF A COMMODITY SMARTPHONE FOR FALL DETECTION
99	E5EM099	ZIGBEE-BASED IRRIGATION SYSTEM FOR HOME GARDENS

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100	E5EM100	AN AUTOMATIC IRRIGATION SYSTEM USING ZIGBEE IN WIRELESS SENSOR NETWORK
101	E5EM101	ROBOTIC FISH
102	E5EM102	FORECASTING HUMAN POSE AND MOTION WITH MULTIBODY DYNAMIC MODEL
103	E5EM103	INTRA-VEHICLE NETWORKS: A REVIEW
104	E5EM104	A NOVEL RECONFIGURABLE MICROGRID ARCHITECTURE WITH RENEWABLE ENERGY SOURCES AND STORAGE
105	E5EM105	SECURITY-AWARE MODELING AND EFFICIENT MAPPING FOR CAN-BASED REAL-TIME DISTRIBUTED AUTOMOTIVE SYSTEMS
106	E5EM106	FOR IN-VEHICLE A PRACTICAL WIRELESS ATTACK ON THE CONNECTED CAR AND SECURITY PROTOCOL CAN
107	E5EM107	CELLULAR UNDERWATER WIRELESS OPTICAL CDMA NETWORK: PERFORMANCE ANALYSIS AND IMPLEMENTATION CONCEPTS
108	E5EM108	WEARABLE SYSTEM FOR MONITORING OF OXYGEN CONCENTRATION IN BREATH BASED ON OPTICAL SENSOR
109	E5EM109	WIRELESS COLOUR SENSING ARM ROBOT
110	E5EM110	HARVESTED POWER WIRELESS SENSOR NETWORK SOLUTION FOR DISAGGREGATED CURRENT ESTIMATION IN LARGE BUILDINGS
111	E5EM111	SCALABILITY OF DENSE WIRELESS LIGHTING CONTROL NETWORKS
112	E5EM112	SENTINELLA: SMART MONITORING OF PHOTOVOLTAIC SYSTEMS AT PANEL LEVEL
113	E5EM113	DECEPTION WITH SIDE INFORMATION IN BIOMETRIC AUTHENTICATION SYSTEMS
114	E5EM114	TRAFFIC FLOW PREDICTION FOR ROAD TRANSPORTATION NETWORKS WITH LIMITED TRAFFIC DATA
115	E5EM115	SENSORLESS CONTROL OF HEAT INFLOW TO A THERMAL DISPLAY USING A HEAT INFLOW OBSERVER
116	E5EM116	DESIGN OF A CALIBRATED LIQUID LEVEL SENSOR TRANSDUCER FOR DETECTING RAINFALL OF BOTANIC GARDEN
117	E5EM117	DROP MEASUREMENT SYSTEM FOR BIOMEDICAL APPLICATION
118	E5EM118	LONG-RANGE MAGNETIC TRACKING SYSTEM
119	E5EM119	A SENSOR FUSION SCHEME FOR THE ESTIMATION OF VEHICULAR SPEED AND HEADING ANGLE
120	E5EM120	AUTONOMOUS CALIBRATION OF MEMS GYROS IN CONSUMER PORTABLE DEVICES
121	E5EM121	STANDARDS FOR INDOOR OPTICAL WIRELESS COMMUNICATIONS
122	E5EM122	QOS-AWARE DOWNLINK COOPERATION FOR CELL-EDGE AND HANDOFF USERS
123	E5EM123	CONNECTIVITY OF COGNITIVE DEVICE-TO-DEVICE COMMUNICATIONS UNDERLYING CELLULAR NETWORKS
124	E5EM124	UNIFIED AND DISTRIBUTED QOS-DRIVEN CELL ASSOCIATION ALGORITHMS IN HETEROGENEOUS NETWORKS
125	E5EM125	INVESTIGATING WIRELESS CHARGING AND MOBILITY OF ELECTRIC VEHICLES ON ELECTRICITY MARKET
126	E5EM126	PROTECTION STRATEGIES FOR MEDIUM-VOLTAGE DIRECT-CURRENT MICROGRID AT A REMOTE AREA MINE SITE
127	E5EM127	POWER MANAGEMENT OF AN ISOLATED HYBRID AC/DC MICRO-GRID WITH FUZZY CONTROL OF BATTERY BANKS
128	E5EM128	POWER-EFFICIENT INTERRUPT-DRIVEN ALGORITHMS FOR FALL DETECTION AND CLASSIFICATION OF ACTIVITIES OF DAILY LIVING
129	E5EM129	A MINIATURE MECHANICAL-PIEZOELECTRIC-CONFIGURED THREE-AXIS VIBRATIONAL ENERGY HARVESTER
130	E5EM130	REVIEW AND COMPARISON OF SPATIAL LOCALIZATION METHODS FOR LOW-POWER WIRELESS SENSOR NETWORKS

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131	E5EM131	PERFORMANCE OF HANDOFF ALGORITHM BASED ON DISTANCE AND RSSI MEASUREMENTS
132	E5EM132	OBJECT TRACKING THROUGH RSSI MEASUREMENTS IN WIRELESS SENSOR NETWORKS
133	E5EM133	A HUMAN DETECTION METHOD FOR RESIDENTIAL SMART ENERGY SYSTEMS BASED ON ZIGBEE RSSI CHANGES
134	E5EM134	ENERGY-EFFICIENT RSSI-BASED LOCALIZATION FOR WIRELESS SENSOR NETWORKS
135	E5EM135	A ROBOT LOCALIZATION SYSTEM COMBINING RSSI AND PHASE SHIFT IN UHF-RFID SIGNALS
136	E5EM136	SELF CLEANING CONTROL SYSTEM FOR PV SOLAR PANEL STREET LIGHT
137	E5EM137	THE DESIGNING OF AN EDUCATIONAL SOLAR PANEL THAT CAN BE CONTROLLED IN DIFFERENT WAYS
138	E5EM138	ALGORITHM-BASED, SINGLE AXIS ROTATION OF A SOLAR PANEL APPARATUS FOR LOW POWER DEVICES
139	E5EM139	A GREEN HOUSE ELECTRICITY AND HEAT GENERATION: SOLAR PV/THERMAL PANEL-REVIEW
140	E5EM140	DESIGNING OF DUAL-AXIS SOLAR TRACKING SYSTEM WITH REMOTE MONITORING
141	E5EM141	INVESTIGATION OF OPTIMUM MONTHLY TILT ANGLES FOR PHOTOVOLTAIC PANELS IN TRIPOLI THROUGH SOLAR RADIATION MEASUREMENT
142	E5EM142	A NEW MAXIMUM POWER POINT TRACKING APPROACH FOR DECREASING CONVERGENCE TIME
143	E5EM143	SECURE PSEUDONYM-BASED NEAR FIELD COMMUNICATION PROTOCOL FOR THE CONSUMER INTERNET OF THINGS
144	E5EM144	A PROTOTYPAL ARCHITECTURE OF A IEEE 21451 NETWORK FOR SMART GRID APPLICATIONS BASED ON POWER LINE COMMUNICATIONS
145	E5EM145	MIMO POWER LINE COMMUNICATIONS
146	E5EM146	INTEGRATED IMPEDANCE-MATCHING COUPLER FOR SMART BUILDING AND OTHER POWER-LINE COMMUNICATIONS APPLICATIONS
147	E5EM147	DETECTION AND LOCATION OF HIGH IMPEDANCE FAULTS IN MULTICONDUCTOR OVERHEAD DISTRIBUTION LINES USING POWER LINE COMMUNICATION DEVICES
148	E5EM148	AN INDOOR BROADBAND BROADCASTING SYSTEM BASED ON PLC AND VLC
149	E5EM149	CHANNEL CHARACTERIZATION AND MODELING FOR TRANSPORTATION SYSTEMS
150	E5EM150	USER-FRIENDLY MONITORING SYSTEM FOR RESIDENTIAL PV SYSTEM BASED ON LOW-COST POWER LINE COMMUNICATION
151	E5EM151	A HIGHLY STABLE AND RELIABLE 13.56-MHZ RFID TAG IC FOR CONTACTLESS PAYMENT
152	E5EM152	DESIGN OF A MICROLECTURE MOBILE LEARNING SYSTEM BASED ON SMARTPHONE AND WEB PLATFORMS
153	E5EM153	OPTIMAL STATE DURATION ASSIGNMENT IN HIDDEN MARKOV MODEL-BASED TEXT-TO-SPEECH SYNTHESIS SYSTEM
154	E5EM154	PRINCIPLE RESEARCH ON A SINGLE MASS SIX-DEGREE-OF-FREEDOM ACCELEROMETER WITH SIX GROUPS OF PIEZOELECTRIC SENSING ELEMENTS
155	E5EM155	PERFORMANCE ENHANCEMENT OF PIEZOELECTRIC ENERGY HARVESTERS USING MULTILAYER AND MULTISTEP BEAM CONFIGURATIONS
156	E5EM156	A METHOD OF DETECTING HEARTBEAT LOCATIONS IN THE BALLISTOCARDIOGRAPHIC SIGNAL FROM THE FIBER-OPTIC VITAL SIGNS SENSOR
157	E5EM157	DEMONSTRATION OF A REMOTE OPTICAL MEASUREMENT CONFIGURATION THAT CORRELATES WITH BREATHING, HEART RATE, PULSE PRESSURE, BLOOD COAGULATION, AND BLOOD OXYGENATION
158	E5EM158	SPEAKER VERIFICATION METHOD FOR OPERATION SYSTEM OF CONSUMER ELECTRONIC DEVICES

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2015 IEEE ARDUINO		
S.NO	CODE	PROJECT TITLE
1	E5ARD001	ARDUINO BASED MULTI-ROBOT STICK CARRYING BY ARTIFICIAL BEE COLONY OPTIMIZATION ALGORITHM
2	E5ARD002	REAL-TIME SURFACE MATERIAL IDENTIFICATION USING INFRARED SENSOR TO CONTROL SPEED OF AN ARDUINO BASED CAR LIKE MOBILE ROBOT
3	E5ARD003	HUMAN HAND TRACKING USING MATLAB TO CONTROL ARDUINO BASED ROBOTIC ARM
4	E5ARD004	FROM RGB LED LABORATORY TO SERVOMOTOR CONTROL WITH WEBSOCKETS AND IOT AS EDUCATIONAL TOOL
5	E5ARD005	SMART DRIP IRRIGATION SYSTEM USING RASPBERRY PI AND ARDUINO
6	E5ARD006	MULTI ROBOT COMMUNICATION AND TARGET TRACKING SYSTEM WITH CONTROLLER DESIGN AND IMPLEMENTATION OF SWARM ROBOT USING ARDUINO
7	E5ARD007	REAL-TIME WIRELESS VIBRATION MONITORING SYSTEM USING LABVIEW
8	E5ARD008	AN IMPLEMENTATION OF MOBILE CONTROL ROOM ENVIRONMENT IN ANDROID PLATFORM FOR INDUSTRIAL APPLICATIONS
9	E5ARD009	REAL-TIME IMPLEMENTATION OF A REFERENCE GOVERNOR ON THE ARDUINO MICROCONTROLLER
10	E5ARD010	FLOOD SENSING FRAMEWORK BY ARDUINO AND WIRELESS SENSOR NETWORK IN RURAL-RWANDA
11	E5ARD011	ROAD CONDITIONS DETECTION USING ARDUINO BASED SENSING MODULE AND SMARTPHONE

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2015 IEEE BIO MEDICAL PROJECTS

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1	E5EM038	TEMPORAL ANALYSIS AND REMOTE MONITORING OF ECG SIGNAL
2	E5EM051	RFID-BASED AUTOMATIC SCORING SYSTEM FOR PHYSICAL FITNESS TESTING
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9	E5EM072	REAL-TIME CLOSED-LOOP CONTROL OF HUMAN HEART RATE AND BLOOD PRESSURE
10	E5BM001	MODEL-BASED MEAN ARTERIAL PRESSURE ESTIMATION USING SIMULTANEOUS ELECTROCARDIOGRAM AND OSCILLOMETRIC BLOOD PRESSURE MEASUREMENTS
11	E5BM002	TOWARD UBIQUITOUS BLOOD PRESSURE MONITORING VIA PULSE TRANSIT TIME: THEORY AND PRACTICE
12	E5BM003	LOW-POWER WIRELESS ECG ACQUISITION AND CLASSIFICATION SYSTEM FOR BODY SENSOR NETWORKS
13	E5BM004	ENERGY-EFFICIENT ECG COMPRESSION ON WIRELESS BIOSENSORS VIA MINIMAL COHERENCE SENSING AND WEIGHTED ₁ MINIMIZATION RECONSTRUCTION
14	E5BM005	A WIDE LINEAR OUTPUT RANGE BIOPOTENTIAL AMPLIFIER FOR PHYSIOLOGICAL MEASUREMENT FRONTEND
15	E5BM006	SIGNAL-QUALITY INDICES FOR THE ELECTROCARDIOGRAM AND PHOTOPLETHYSMOGRAM: DERIVATION AND APPLICATIONS TO WIRELESS MONITORING
16	E5BM007	AN INTELLIGENT RECOVERY PROGRESS EVALUATION SYSTEM FOR ACL RECONSTRUCTED SUBJECTS USING INTEGRATED 3-D KINEMATICS AND EMG FEATURES
17	E5BM008	EMG AND KINEMATIC RESPONSES TO UNEXPECTED SLIPS AFTER SLIP TRAINING IN VIRTUAL REALITY
18	E5BM009	A STATE-SPACE EMG MODEL FOR THE ESTIMATION OF CONTINUOUS JOINT MOVEMENTS
19	E5BM010	PROOF OF CONCEPT FOR ROBOT-AIDED UPPER LIMB REHABILITATION USING DISTURBANCE OBSERVERS
20	E5BM011	A WEARABLE GESTURE RECOGNITION DEVICE FOR DETECTING MUSCULAR ACTIVITIES BASED ON AIR-PRESSURE SENSORS
21	E5BM012	DEVELOPMENT OF A WEARABLE SENSING GLOVE FOR MEASURING THE MOTION OF FINGERS USING LINEAR POTENTIOMETERS AND FLEXIBLE WIRES
22	E5BM013	DESIGN AND DEVELOPMENT OF HAND GESTURE RECOGNITION SYSTEM FOR SPEECH IMPAIRED PEOPLE

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