



Mirror Technologies

Reflecting Ideas..

- ✓ 100 % OUTPUT AND QUALITY ASSURANCE
- ✓ 100% PRACTICAL TRAINING ON ALL DOMAINS

EMBEDDED PROJECTS-IEEE-NON IEEE DOMAINS

TECHNOLOGY : EMBEDDED (ATMEL/PIC/ARM)

DOMAIN : IEEE TRANSACTIONS ON BIO MEDICAL ENGINEERING

S.NO	CODE	TITLES
1	IBIO001	TRANSABDOMINAL FETAL HEART RATE DETECTION USING NIR PHOTOPLETHYSMOGRAPHY: INSTRUMENTATION AND CLINICAL RESULTS
2	IBIO002	A NEURO-SLIDING-MODE CONTROL WITH ADAPTIVE MODELING OF UNCERTAINTY FOR CONTROL OF MOVEMENT IN PARALYZED LIMBS USING FUNCTIONAL ELECTRICAL STIMULATION
3	IBIO003	BLUSTETH-WIRELESS STETHOSCOPE USING BLUE TOOTH
4	IBIO004	ANALYSIS OF DEPTH OF ANASTHESIA USING MONITORING DEVICE AND SENSORS
5	IBIO005	EMG ASSISTED MIGRAINE THERAPY
6	IBIO006	ANALYSIS, DESIGN, AND CONTROL OF A TRANSCUTANEOUS POWER REGULATOR FOR ARTIFICIAL HEARTS
7	IBIO007	BODY SENSORS: WIRELESS ACCESS TO PHYSIOLOGICAL DATA
8	IBIO008	TASK PERFORMANCE IS PRIORITIZED OVER ENERGY REDUCTION
9	IBIO009	MOBILE HUMAN AIRBAG SYSTEM FOR FALL PROTECTION USING MEMS SENSORS AND EMBEDDED SVM CLASSIFIER
10	IBIO010	DEVELOPMENT OF ZIGBEE MOBILE ROUTER FOR SUPPORTING NETWORK MOBILITY IN HEALTHCARE SYSTEM

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11	IBIO011	CONGESTION-AWARE, LOSS-RESILIENT BIO-MONITORING SENSOR NETWORKING FOR MOBILE HEALTH APPLICATIONS
12	IBIO012	AMBULATORY CENTER OF MASS PREDICTION USING BODY ACCELERATIONS AND CENTER OF FOOT PRESSURE
13	IBIO013	BIO-MECHANICAL ANALYSIS OF HUMAN HAND
14	IBIO014	REMOTE COMPACT SENSOR FOR THE REAL-TIME MONITORING OF HUMAN HEARTBEAT AND RESPIRATION RATE
15	IBIO015	ELECTRO MYO GRAPHY
16	IBIO016	MEASURING AND TRANSMITTING VITAL BODY SIGNS USING MEMS SENSORS
17	IBIO017	MODELING OF PROSTHETIC LIMB ROTATION CONTROL BY SENSING ROTATION OF RESIDUAL ARM BONE
18	IBIO018	A MINI-INVASIVE LONG-TERM BLADDER URINE PRESSURE MEASUREMENT SYSTEM
19	IBIO019	A TRANSCRANIAL MAGNETIC STIMULATOR INDUCING NEAR-RECTANGULAR PULSES WITH CONTROLLABLE PULSE WIDTH -TENS
20	IBIO020	TELEMETRIC INTRACRANIAL PRESSURE SENSOR SYSTEM FOR BIOMEDICAL APPLICATIONS
21	IBIO021	MEMS BASED ASSISTANCE FOR PHYSICALLY CHALLENGING PEOPLE
22	IBIO022	INNOVATIVE PLATFORM FOR TELE PHYSIOTHERAPY
23	IBIO023	WIRELESS FALL SENSOR WITH GPS LOCATION FOR MONITORING THE ELDERLY
24	IBIO024	PREMATURE INFANT SIDE-STREAM RESPIRATORY GAS MONITORING SENSOR

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25	IBIO025	PATIENT MONITORING USING GSM AND ZIG BEE FOR HOSPITALS AND OLDAGE HOMES
26	IBIO026	WIRELESS DATA ACQUISITION SYSTEM FOR REMOTE CARE OF NEWELY BORN PREMATURES
27	IBIO027	ZIGBEE DEVICE ACCESS CONTROL AND RELIABLE DATA TRANSMISSION IN ZIGBEE BASED HEALTH MONITORING SYSTEM

TECHNOLOGY : EMBEDDED

DOMAIN : BIO-MEDICAL BASED PROJECTS

S.NO	CODE	TITLES
1	BME01	MULTI SENSOR STRATEGIES TO ASSIST BLIND PEOPLE: A CLEAR-PATH INDICATOR
2	BME02	COUGH MONITORING SYSTEM
3	BME03	MEMS BASED PC COMMANDS USING HAND SIGNALS
4	BME04	WIRELESS TELEMETRY SYSTEM FOR THE TRANSMISSION OF ECG SIGNALS
5	BME05	WHEELCHAIR CONTROL USING VOICE SIGNALS FOR DISABLED PATIENTS
6	BME06	BREATH ANALYZER FOR TERMINALLY ILL PATIENTS WITH SLEEP PATTERN ANALYSIS
7	BME07	AUTO PHONE CONTROL USING HAND SIGNALS FOR DISABLED PATIENTS USING MEMS
8	BME08	IMPACT ESTIMATION AND ANALYSIS OF PATIENT DURING FALL

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9	BME09	ROBOT CONTROL USING HAND SIGNALS
10	BME10	ULTRASONIC AND VOICE BASED WALKING STICK FOR THE BLIND
11	BME11	FOOT PRESSURE MONITOR FOR ATHLETES AND PATIENTS
12	BME12	AUTOMATIC VEHICLE SECURITY SYSTEM USING ALCOHOL SENSOR
13	BME13	FINGERPRINT IDENTIFICATION BASED AUTOMATIC TELLER MACHINE
14	BME14	INVOLUNTARY ANESTHESIA CONTROLLING SYSTEM USING MULTIPLE MEDICAL FUNCTIONS
15	BME15	AUTOMATIC TIMED BLOOD PRESSURE MEASURING SYSTEM FOR PATIENTS
16	BME16	FOOT CONTROL OPERATION THEATER LIGHT WITH INTENSITY CONTROL
17	BME17	ULTRASOUND THERAPY BY USING PIEZO ELECTRIC METHOD
18	BME18	SHORTWAVE DIATHERMY STIMULATION THERAPY
19	BME19	INFANT PHOTOTHERAPY USING UV METHOD
20	BME20	ELECTRONIC PATIENTS WEIGHING SCALE
21	BME21	POCKET HELD FETAL HEART MONITORING SYSTEM
22	BME22	BREATHING CONTROL NEBULIZATION SYSTEM

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23	BME23	AUTOMATIC PATIENT'S HEART BEAT AND BODY TEMPERATURE MONITORING FOR REMOTE DOCTOR
24	BME24	MEASUREMENT OF INHALED / EXHALED RESPIRATORY SYSTEM.
25	BME25	RESPIRATORY MONITORING SYSTEM WITH TEMPERATURE SENSOR AND BREATH SENSOR.
26	BME26	PATIENT FALL DETECTION USING HIP AND ABDOMEN SENSOR
27	BME27	BREATHING SENSOR WITH SLEEPING DISORDER PATTERN ANALYSIS
28	BME28	NON INVASIVE HUMAN RESPIRATORY MEASUREMENT.
29	BME29	BIONIC SENSOR BASED STRESS SENSING AND HIP MONITORING WITH LCD DISPLAY
30	BME30	INTEGRATED PATIENT MONITORING GATEWAY USING RFID.
31	BME31	INTELLIGENT MONITORING SYSTEM IN PSYCHOLOGICAL HEALTH
32	BME32	WIRELESS COMMUNICATION BASED BLOOD PRESSURE MEASUREMENT.
33	BME33	HOSPITAL EMERGENCY CARING SYSTEM
34	BME34	RFID BASED HEALTH CARD SYSTEM.
35	BME35	RESPIRATORY TEMPERATURE MONITOR IN ICU
36	BME36	REDUCE THE POTENTIAL RISKS FOR SUDDEN INFANT DEATH SYNDROME(SIDS)

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37	BME37	A WIRELESS SENSOR NETWORK PLATFORM FOR HEALTHCARE SERVICES
38	BME38	ELECTRICAL SAFETY ANALYSER FOR BIOMEDICAL EQUIPMENTS

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