S3 TECHNOLOGIES

EMBEDDED

ROBOTICS

TECHNOLOGY: EMBEDDED

DOMAIN :ROBOTICS

S.NO	P.CODE	TITLE
1	PROB01	Hazardous Gas Detecting Method Applied in Coal Mine Detection Robot
2	PROB02	Head motion controlled power wheelchair
3	PROB03	Automated Voice based Home Navigation System for the Elderly and the Physically Challenged
4	PROB04	Gsm And Dtmf Based Robot For Parameter Monitoring In Gas Industries.
5	PROB05	Rf Based Robot Control Using Pir Sensor For Defense Force.
6	PROB06	Automatic Unwanted Polythene Bags And Pet Bottles Collecting Robot
7	PROB07	Identification of cracks in tunnel using tunnel robot
8	PROB08	Garden robot for the Water Spray in the lawn
9	PROB09	Wireless communication based spy robot
10	PROB10	Automatic navigation robot for industrial applications based on RFID technology
11	PROB11	DTMF based mobile operated industrial spy robot
12	PROB12	MATLAB based intruder detection and shooting robot.
13	PROB13	Crack detector Robot for Railway track inspection.
14	PROB14	Live Human detecting Robot for Earthquake Risk operation
15	PROB15	Seed Sprayer Robot for Agricultural Farms
16	PROB16	Microcontroller based weather forecasting robot using Gsm
17	PROB17	Wireless Image Communication System For Fire –Fighting Robot
18	PROB18	Voice Based Wheel Chair Robot
19	PROB19	DTMF Based PICK And PLACE Robot
20	PROB20	Wireless Based Boarder Security Robot.
21	PROB21	DTMF Based Humanless Robotic Boat .
22	PROB22	Wheel Chair Robot For Physically Challenged Persons Using Voice Control.
23	PROB23	Efficient Irrigation System Using Wireless Water Feeding Robot
24	PROB24	An Intelligent Two-Axis Fire Detection And Fire Fighting Robotic

S3 TECHNOLOGIES

		Vehicle For Textile Industry.
25	PROB25	Automatic Brake Comfort Using Ultrasonic Sensor.
26	PROB26	An Intelligent Disaster Management Robot
27	PROB27	Power Plant Data Monitoring Robot And Alert Intimation Through Sms.
28	PROB28	Wireless Land Mine Detecting Robot

AUTOMATION

TECHNOLOGY: EMBEDDED

DOMAIN : AUTOMATION

S.NO	P.CODE	TITLE
1	PAM01	Driver fatigue monitoring and warning system
2	PAM02	Automatic Toll Payment Of Vehicles Using Capacitive Sensor
3	PAM03	Embedded Based Car Reversing And Warning System
4	PAM04	Automatic Railway Gate Control With Voice Announcement
5	PAM05	Automatic Irrigation Water Supply Monitoring And Control System
6	PAM06	Automatic Vehicle Starter System Based Alcohol Breath Analyzer
7	PAM07	Petrol Bunk Automation Using Smartcard
8	PAM08	Ticket vending machine based on coin sensor.
9	PAM09	Automatic earthquake identification with voice announcement
10	PAM10	Apartment automation monitoring and management system.
11	PAM11	Vehicle Anti collision Using IR Signals
12	PAM12	Automatic room light control with visitor counter
13	PAM13	Automatic Human Tracking Fan System
14	PAM14	Bluetooth Based Device Control For Industries.
15	PAM15	Prepaid Gas Supply System For Apartment Automation.
16	PAM16	RFID Based Automating Voting Meachine .
17	PAM17	The Blind Audio Guidance System Using RFID
18	PAM18	Microcontroller Based Pipe Line Oil Flow Rate Monitoring System In Industries
19	PAM19	Industrial Safety Measures System With Voice Indication
20	PAM20	Complete voice enabled residential security system

WIRELESS

TECHNOLOGY: EMBEDDED

DOMAIN : WIRELESS

S3 TECHNOLOGIES

S.NO	P.CODE	TITLE
1	PRF01	More Efficient Home Energy Management System Based on Zigbee Communication and Infrared Remote Controls
2	PRF02	Real Time Paddy Crop Field Monitoring Using RF
3	PRF03	Forest Fire Monitoring System Based On RF
4	PRF04	Wireless sensor based forest fire monitoring system
5	PRF05	A Remote Home Security System Based on Wireless Sensor Network and GSM Technology
6	PRF06	Avoiding vehicle parking in no parking area using RF
7	PRF07	Smart zone based Vehicle speed control system based on RF
8	PRF08	Microcontroller Based Railways Accident Avoiding System
9	PRF09	Border security system using RF
10	PRF10	Vehicle detection in no parking area using RF and magnetic sensor
11	PRF11	Anti theft alert and auto arresting system for museums and jewelry shops.
12	PRF12	Traffic Priority for Ambulance using RF
13	PRF13	Railway Track Pedestrian Crossing Without Using Staircase
14	PRF14	Wireless Sensor Networks For Dust And Gas Surveillance Application In Coalmine.
15	PRF15	Passenger Guidance System In Train Using RF
16	PRF16	Home Security With IR, Temperature Sensor Using RF Technology
17	PRF17	Microcontroller Based Fire Monitoring System In Petrochemical Industries Using RF Communication
18	PRF18	RF Technology Based Incoming/Outgoing Vehicle Alert From Main Gate
19	PRF19	Dangerous Gas Detection System for Coalmine Industries
20	PRF20	Wireless Vehicular Identification and Authentication System in secured areas.
21	PRF21	An efficient way of Highway Lights switching and power saving application.
22	PRF22	An intelligent traffic signal controlling system for emergency vehicle using wireless communication.
23	PRF23	Voice Based Bus Recognition System for Visually Challenged Persons.
24	PRF24	RF based Automatic meter reading.
25	PRF25	Automotive Speed Control of Vehicles in Pedestrian Crossing Zones.

GSM & GPS

TECHNOLOGY: EMBEDDED

DOMAIN : GSM & GPS

S3 TECHNOLOGIES

S.NO	P.CODE	TITLE
1	PGSP01	Smart Parking Reservation System Using Short Message Service
2	PGSP02	Pipeline Damage Locating Based On Gps
3	PGSP03	Identifying Objects Using Rf Transmitters And Receivers And Retrieving Data Using Gsm
4	PGSP04	Vehicle Accident Intimation And Location Finder Using Gsm And Gps
5	PGSP05	Gsm And Gps Based Vehicle Tracking And Locating System
6	PGSP06	Transformer Oil and Temperature Checking and Intimating To the Eb.
7	PGSP07	Automatic Charge Intimation for Traffic Police Using Gsm.
8	PGSP08	Atm Stealing Protection and Intimation Using Gsm.
9	PGSP09	Intelligent Home Security and Management System through Gsm
10	PGSP10	Railway Bridge Damage Notification With Alarm Systems.
11	PGSP11	GPS Based Border Alert System for Fisherman
12	PGSP12	Gsm based Irrigation System
13	PGSP13	Voting machine through GSM modem
14	PGSP14	Gsm based wireless Starter for Induction Motor
15	PGSP15	GSM based instantaneous vehicle registration details extraction system very useful for Traffic police
16	PGSP16	GSM security alert system for Fire and LPG Gas leakage
17	PGSP17	Vehicle Theft Alert And Avoidance System Using GSM
18	PGSP18	Bus Location And Seat Availability Tracking System Using GSM And GPS
19	PGSP19	Vehicle Gas Detection With Automatic Safety Warning Using GSM
20	PGSP20	Digital Energy Meter With Overload Indication Through Gsm
21	PGSP21	GSM and Inter Integrated Circuit based secured locker system in banks
22	PGSP22	Efficient Speed Control of DC motor through GSM
23	PGSP23	Design and Implementation of power plant Monitoring System Based on GSM

CONSUMER ELECTRONICS

TECHNOLOGY: EMBEDDED

DOMAIN : CONSUMER ELECTRONICS

S.NO	P.CODE	TITLE
1	PCE01	Design a Sensor Module Of Active And Intelligent Energy Saving System
2	PCE02	Real time atomization of agricultural environment for Indian

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		agricultural system.
3	PCE03	Boarding school students monitoring using RFID
4	PCE04	PIR and GSM based Home security system.
5	PCE05	Over speed and drunk and drive indicator
6	PCE06	Automatic code changing mechanism for Locker Security
7	PCE07	Anti Sleep Alarm for Students Based on RTC
8	PCE08	Intelligent Instant password controlled Home Security System
9	PCE09	Bidirectional visitor Counter and Display System with maximum Capacity Alarm
10	PCE10	Mobile Detector In Restricted Area
11	PCE11	Unmanned Petrol Bunk System Using RFID
12	PCE12	ATM Security System Based On Random Password Generation And Intimation Via GSM
13	PCE13	Automatic Milk Collection System Using RFID
14	PCE14	Image Processing Based Automatic Money Depositior.
15	PCE15	Automated Paid Car Parking In Shopping Complex Using Coin Vending Sensor.
16	PCE16	Finger Print Based Driver Authentication System for Vehicles
17	PCE17	Unmanned Toll Tax Collector Using RFID
18	PCE18	Green House Environment Monitor and Control system.
19	PCE19	Microcontroller based intelligent car parking monitoring system.

WEB BASED

TECHNOLOGY: EMBEDDED

DOMAIN : WEB BASED

S.NO	P.CODE	TITLE
1	PPC01	GSM based instantaneous vehicle registration details extraction system
2	PPC02	Bluetooth based talking energy meter
3	PPC03	Collecting the student's progress information (E-Progress Card) using GSM.
4	PPC04	Banking Password And Authentication Process Using SMS
5	PPC05	Encryption And Decryption Based Secured Communication For Military Applications.
6	PPC06	Web Based Industrial Automation And Control.
7	PPC07	Talking Energy (KWH) Meter
8	PPC08	Multichannel Temperature Monitoring In Fabrication Industries.
9	PPC09	Industrial Parameters monitoring and data logger using internet

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S3 TECHNOLOGIES

ELECTRICAL

TECHNOLOGY: EMBEDDED
DOMAIN : ELECTRICAL

S.NO	P.CODE	TITLE
1	PSPE01	Supervisory Predictive Control Of Standalone Wind/Solar Energy Generation System
2	PSPE02	Real Time Control Of DC Motor Drive Using Speech Recognition
3	PSPE03	360 Deg Sun Tracking System For Solar PV Modules
4	PSPE04	Novel Technique For Preventing Current Method Electricity Stealing
5	PSPE05	Transformer industrial parameters fault identification and intimate to EB Section
6	PSPE06	Power plant monitoring and auto control with voice indication
7	PSPE07	Power management system using PIR and LDR
8	PSPE08	Stepper Motor Control based on Solar Tracking system
9	PSPE09	Energy meter monitoring and control system using SMS technology
10	PSPE10	Automatic energy cost calculation and billing system to EB department
11	PSPE11	Transformer real time temperature monitoring and thermal Overload Protection
12	PSPE12	Power Sharing Of Transformer With Over Load Protection.
13	PSPE13	Automatic Active Phase Selector For Uninterrupted Load Run In Rural Areas.
14	PSPE14	Bluetooth Based Remote Metering System In Industries.
15	PSPE15	Over And Under Voltage Protection Of Electrical Appliances.
16	PSPE16	Prepaid Energy Meter Using Rfid Technology.
17	PSPE17	Automatic Switching Gear System For Avoiding Fluctuations In Power Plant.
18	PSPE18	Energy-Saving Room Architecture based on RF Communication
19	PSPE19	Transmission line multi fault detector and Indication to substation using RF
20	PSPE20	Advanced method of controlling the DC motor in industries through internet
21	PSPE21	Speed Control of Induction Motor using DTMF signal.
22	PSPE22	Auto shut down based on voltage (V) and current (I) fluctuations.

BIOMEDICAL

TECHNOLOGY: EMBEDDED
DOMAIN : BIOMEDICAL

S3 TECHNOLOGIES

S.NO	P.CODE	TITLE
1	PBIO01	Design Of Wireless Sensor System For Neonatal Monitoring
2	PBIO02	Secure Remote Patient Monitoring System
3	PBIO03	Bluetooth Based Home Patient Surveillance
4	PBIO04	Intelligent Blood Collection System Using Rfid
5	PBIO05	Brain activity detection system based on eeg sensor
6	PBIO06	GSM based Human Health Monitoring and alert system
7	PBIO07	Medicine Identification In Pharmacy And Expiry Identification
8	PBIO08	Patient Health Monitering Of Cough And Heart Beat Rate Using GSM
9	PBIO09	Epilepsy (Fits) Sensing And Sending Message To The Emergency Centre
10	PBIO10	Health Monitering Of ICU And Alert System
11	PBIO11	Advanced Diagnostic Tool For Respiration Rate And Cough Indication Through Landline
12	PBIO12	Monitoring ECG Level for Heart Patient with LCD Display
13	PBIO13	Infant Monitoring System In Hospitals To Avoid Sid
14	PBIO14	Fracture Detection Using Bone Crack Sensor
15	PBIO15	Blood Glucose Level Identification and Abnormality Intimation

POWER ELECTRONICS

TECHNOLOGY: POWER ELECTRONICS

DOMAIN :

S.NO	CODE	PROJECT TITLE
1	PPE01	Soft-Switched CCM Boost Converters With High Voltage Gain for High-Power Applications
2	PPE02	Battery Discharge Regulator for Space Applications based on the Boost Converter
3	PPE03	A DC – DC multilevel boost converter
4	PPE04	Three-level zero-voltage switching pulse-width modulation DC – DC boost converter with active clamping

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S3 TECHNOLOGIES

5	PPE05	An Interleaved Totem-Pole Boost Bridgeless Rectifier With Reduced Reverse-Recovery Problems For Power Factor Correction
6	PPE06	Design of a Plug-In Repetitive Control Scheme f or Eliminating Supply-Side Current Harmonics of Three-Phase PWM Boost Rectifiers Under Generalized Supply Voltage Conditions
7	PPE07	Space Vector Modulation for Two-Level Unidirectional PWM Rectifiers
8	PPE08	A High-Dynamic Range Current Source Gate Driver for Switching-Loss Reduction o f High-Side Switch in Buck Converter
9	PPE09	Exploration of Bifurcation and Chaos in Buck Converter Supplied From a Rectifier
10	PPE10	Four Switch Buck-Boost Converter for Telecom DC-DC Power Supply Applications
11	PPE11	A Compensation Technique for Smooth Transitions in a No inverting Buck–Boost Converter
12	PPE12	Low-Ripple and Dual-Phase Charge Pump Circuit Regulated by Switched-Capacitor-Based Band gap Reference
13	PPE13	A Novel Peak and Deep Current Mode Control for Two Switches Buck-Boost Converter
14	PPE14	Simulation and Hardware Implementation of Incremental Conductance MPPT with Direct Control Method Using Cuk Converter
15	PPE15	A Hybrid Wind-Solar Energy System: A New Rectifier Stage Topology
16	PPE16	Research on Maximum Power Point Tracker Based on Solar Cells Simulator
17	PPE17	A High Efficiency Fly back Converter With New Active Clamp Technique
18	PPE18	A Novel Symmetrical Rectifier Configuration With Low Voltage Stress and Ultra low Output-Current Ripple
19	PPE19	Analysis and Design of a High-Efficiency Full-Bridge Single-Stage Converter With Reduced Auxiliary Components
20	PPE20	Design of a 28 V-to-300 V/12 kW Multicell Interleaved Fly back Converter Using Intercell Transformers
21	PPE21	Experimental Comparison of Traditional Phase-Shift, Dual-Phase-Shift, and Model-Based Control of Isolated Bidirectional DC–DC Converters
22	PPE22	Isolated Bidirectional Full-Bridge DC–DC Converter With a Fly back Snubber

S3 TECHNOLOGIES

23	PPE23	Modeling and Control of Three-Port DC/DC Converter Interface for Satellite Applications
24	PPE24	Steady-State Stability of Current Mode Active-Clamp ZVS DC–DC Converters
25	PPE25	Modeling and Control of Three-Port DC/DC Converter Interface for Satellite Applications
26	PPE26	Modeling and Small-Signal Analysis of a Switch-Mode Rectifier With Single-Loop Current Sensor less Control
27	PPE27	Space-Vector- Based Hybrid Pulse width Modulation Techniques f or Reduced Harmonic Distortion and Switching Loss
28	PPE28	Ripple Current Reduction of a Fuel Cell for a Single-Phase Isolated Converter Using a DC Active Filter With a Center Tap
29	PPE29	The AC Line Current Regulation Strategy for the Grid-Connected PV System
30	PPE30	Design and Analysis of a Grid-Connected Photovoltaic Power System
31	PPE31	A Three-Phase High-Frequency Semi controlled Rectifier for PM WECS
32	PPE32	A Digitally Controlled Unity Power Factor Compensator f or Pulse-Burst-Modulated Loads
33	PPE33	A High-Efficiency AC/DC Converter With Quasi-Active Power Factor Correction
34	PPE34	Design and Analysis of Single-Stage Power Factor Correction Converter With a Feedback Winding
35	PPE35	A Modified SEPIC Converter for High-Power-Factor Rectifier and Universal Input Voltage Applications
36	PPE36	Non-isolated High Step-up Boost Converter Integrated with Sepic Converter
37	PPE37	A High-Power-Factor Single-Stage Single-Switch Electronic Ballast for Compact Fluorescent Lamps