

EXPERT SYSTEMS AND SOLUTIONS

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Embedded Project Titles

1. 6_chanal water level controller
2. 3phase monitor
3. 4 digital object counters
4. 4*2 printer sharer
5. 8 - Channel water level controller
6. 8 digit pulse counter
7. 8channel IR remote control
8. A GPS map digitization program
9. Ac and dc motor control system
10. Accident alertness in vehicles
11. Accident identification system
12. Accident identification with auto dialer
13. Adaptive differential pulse code modulation (APCM)
14. Adaptive lighting system for automobiles
15. Addressable remote transmitter through communication
16. Advance encryption standard using microcontroller
17. Advancer FM power line intercom
18. Advertising display using LED & LCD
19. Agricultural plant watering systems
20. Air and fuel ratio control system for furnace
21. Air leakage detection based on pressure sensor
22. Air pollution monitor
23. Air velocity monitor
24. Air velocity monitor
25. Air/fuel ratio control system for furnace
26. Altimeter & barometer
27. An I2C network protocol for environmental monitoring
28. Analysis of slip power recovery scheme
29. Anesthesia control system for medical application
30. Antenna circuit design for RF ID applications
31. Apartment multi channel fuse blown indicator & annunciation
32. Apartment security system
33. Artificial intelligent embedded line tracking follower robot
34. ATM cards
35. Attendance recorder
36. Auto path finder robotic car
37. Auto stop motion & annunciate for knitting mills.
38. Automated pump tester

39. Automatic traffic light system
40. Automatic bottle filling system
41. Automatic bus fair system
42. Automatic car parking controller using RF
43. Automatic coil winding machine & controller
44. Automatic digital time switch
45. Automatic dim dipper programmable on/off timer control
46. Automatic dim dipper system
47. Automatic door opening system
48. Automatic drainage system for industrial pipe lines
49. Automatic drilling system.
50. Automatic dyeing machine
51. Automatic electric billing system
52. Automatic fence controller
53. Automatic frequency counter
54. Automatic guided vehicle
55. Automatic humidity control for refrigerator
56. Automatic industrial operator
57. Automatic industrial drilling machine
58. Automatic irrigation system with wireless transmission
59. Automatic jogging, breaking, plugging for motors
60. Automatic lamination machine
61. Automatic load controller
62. Automatic packing machine
63. Automatic panel system
64. Automatic panels for 3 phase motors
65. Automatic pattern cutting m/c in garments
66. Automatic phase changer
67. Automatic phase changer with line voltage measurement
68. Automatic phase selector
69. Automatic pumping system for vehicles
70. Automatic railway gate control system
71. Automatic room control system
72. Automatic shutter control system with intelligent security system
73. Automatic solar tracking system
74. Automatic stator voltage control
75. Automatic street light on-off controller
76. Automatic ticketing machine
77. Automatic traffic light controller
78. Automatic washbasin
79. Automatic weighing bridge
80. Automatic wheel alignment robot
81. Automation system using smartcard by implementing industry i2c bus
82. Automobile performance analyzer
83. Automobile tracking system
84. AVR for alternators
85. Bank card design
86. Bank locker security system with SMS mobile alert
87. Battery monitoring system
88. Blood dripping system
89. Body temperature scanning system
90. Boiler controller
91. Building automation system.
92. Calendar day date time month year
93. Calibration of proximity sensor

94. Caller-id
95. Can boot-loader for can microcontrollers
96. Can interface printing system
97. Cano meter
98. Capacitance meter
99. Car security system
100. Cell phone based motor speed controller
101. Centralized wireless monitoring in textile industries
102. Change maker
103. Chronometer
104. Closed loop control for servo stabilizer
105. Closed loop motor speed controller using cellular phone
106. Closed loop telephone operated motor control
107. Cloth cutting machine
108. Code lock for electrical devices
109. Coffee maker
110. Coil - winding machine
111. College process automation with security system using PIC & finger print sensor
112. Color detection using image processing
113. Color dyeing machine automation
114. Complete boiler guard
115. Computer controlled vehicle
116. Computerized hall ticket implementation smartcard via serial library
117. Controlling analog parameters
118. Conveyer controller
119. Conveyer sequential timer controller.
120. Crack detection system
121. Credit card reader
122. Current loop modem communication from MC to MC
123. Current loop modem communication from MC to PC
124. Current mode communication between controllers
125. Current monitor and control
126. Data logger based on RS-232 serial communications
127. Data logger with graphics display
128. DC motor control using H-bridge
129. DC motor speed controlled using remote
130. DCI bus RS-484 home network with maximum of 64 terminals
131. Decoding infrared remote control
132. Depth measurement based on LVDT
133. Desktop security system
134. Detection of illegal of wireless transmission
135. Diagnosis of failed distribution transformer
136. Digital anemometer
137. Clock based on real time clock (RTC) IC
138. Code locking system
139. Countdown timer
140. Data sensor error accusation system
141. Data sensor error accusation system and RF-434MHz wireless data logging
142. Frequency meter
143. Digital IC tester
144. Digital odometer
145. Digital panel system
146. Digital storage tachometer
147. Taxi meter
148. Thermometer

149. Visitor counter
150. Weight analyzer for Weight Bridge
151. Wind anemometer
152. Direct torque measurement
153. Dish antenna positioning system-using telephone
154. Dish antenna rotating
155. Dish positioned with frequency tracking
156. Dish positioning using wiper motor
157. Distributed control system
158. Distributed input for microcontroller
159. Distributed output system.
160. Door security system
161. Drainage control system for process plant
162. Drill speed controller
163. DTMF generation using microcontroller
164. DTMF implementation of GSM mobile phone to control electrical appliances
165. DTMF implementation of mobile phone to control security appliance
166. DTMF tone generator
167. EB SIM card
168. ECG data acquisition through IR
169. Electrical power generation using foot step
170. Electricity theft identification
171. Electronic circuit breaker
172. Electronic conductor
173. Electronic gardener
174. Electronic voting machine
175. Embedded car dash board.
176. Embedded intelligent security system
177. Embedded lift controller
178. Embedded microcontroller based boiler temperature controller
179. Employee identification & security system & finger print sensor
180. Energy billing through main line.
181. Energy meter (digital)
182. Energy meter with prepaid card
183. Energy saver by using pressure controller
184. EPABX system
185. EPROM programmer
186. Fan speed controller based on temperature
187. Father touch variable power supply
188. Fax guard & multi event controller.
189. Finger print recognition
190. Fir programmable timer for dying factory
191. Fire alarm system (6 channels)
192. Fire monitor using microcontroller
193. Flow control system
194. Frequency monitor & controller with single phase preventer
195. Frequency monitor and control
196. Fuel gas detection robot in remote
197. Function generator with annunciate
198. Fuzzy logic based flow control
199. Fuzzy logic based heat exchanger with simulation result
200. Generator auto off system with oil change indicator
201. Glass cutting machine
202. GPS based automobile performance analyzer
203. GPS based train/bus/aircraft collision avoidance

204. GPS based vehicle-tracking system
205. GPS based velocity and speed monitor
206. GPS positioning system using 5 transmitters home automation system
207. GPS-based failure identification system for intelligent vehicles
208. GPS-based real-time identification of tire-road friction
209. Hack saw controller
210. Hardware lock
211. Heart beat monitor
212. High intelligent voting machine
213. High precision digital timer
214. High speed digital interruption counter
215. Home alarm system
216. Home appliance control through telephone
217. Home automation system
218. IR car detector for changing lanes
219. HV & LV drip through motor controller
220. I2c based high security data transmission
221. I2c based running message system
222. I2c based security code locks
223. I2c based sequential logic system
224. I2c based temperature recording system
225. I2c based weather station recorder
226. I2c based wind speed recorder
227. I2c EPROM programmers
228. I2c master-slave protocol implementation
229. IC tester
230. IC-engine monitoring system
231. Implementation of I2c bus
232. Implementation of controller area network (CAN) using CAN controller
233. Implementation of I2c communication
234. Implementation of rs-232 protocol to communicate mc & pc
235. Implementing boot loader firmware for ROM fewer microcontrollers
236. Implementing debit cards
237. Implementing fir -IIR filter using microcontroller
238. Incubator maintenance system
239. Incubator monitor & controller system,
240. Induction motor speed monitoring & control using PWM technique
241. Industrial boiler / furnace controller
242. Industrial controller
243. Industrial environmental monitoring system
244. Industrial fire alarm & message announcing system
245. Industrial high temperature monitor & furnaces controller.
246. Industrial programmable timer
247. Industrial safety monitor system
248. Infrared USART for microcontroller
249. Input water sensing and overhead tank filling system
250. Intelligent automotive ignition system
251. Intelligent conveyor flow monitor and controller
252. Intelligent conveyor flow monitor and controller with robotic arms
253. Intelligent dish antenna positioning system
254. Intelligent electronic voting machine
255. Intelligent fire monitors and extinguish robot
256. Intelligent traffic light controller
257. Interfacing thermal sensor in microcontroller

258. Interrupt counter cum burglar alarm
259. IR adaptor for i2c bus
260. IR data analyzer
261. IR light dimmer
262. Irregular surface area measuring instrument
263. Irrigation control system
264. Irrigation control system with power line communication system
265. Lab automation with real time clock interface
266. Laser security system with wireless transmission.
267. Level sensor with 4-20mA O/P
268. Lift control system
269. Lift control system with position indication
270. Light brightness control depends upon sunlight intensity
271. Liquid level monitor
272. Load management using parallel operation of transformers
273. Locker security system
274. Long distance communication for i2c EPROM devices
275. Long distanced communication using IR
276. MUX meter
277. Machine control & fault recognition through telephone
278. Mark announcement system using telephone
279. Maximum demand control
280. Message transfer system through telephone
281. Meter making system with pc interface
282. Micro controller trainer kit
283. Micro file
284. Micro machined accelerometer
285. Microchip development kit
286. Microchip TCP/IP stack
287. Microcomputer based programmable individual
288. -Phase current limiter for 3-phase electrical system
289. Microcontroller based digital automobile dashboard
290. Microcontroller based wireless data acquisition system
291. -using USART and RS-232 protocols
292. Microcontroller communication through USART
293. Microcontroller controlled demand power meter
294. Microprocessor trainer system
295. Mileage meter
296. Mind switch
297. Mini data logger
298. Mini exchange with main intercom
299. Mini robot car
300. Mobile alarm system based on GSM & GPS
301. Mobile assets tracking device
302. Modern digital clock
303. Modern lift systems
304. Modular IR remote control for industrial automation
305. Monitoring system for UPS.
306. Motion recorder & play back
307. Motor direction sensing, speed measurement system
308. Motor monitoring system
309. Motor monitoring system (V, I, F, TEMP, PF)
310. Motor over heat presenter
311. Motor position control for air flow flaps
312. Motor speed control through power line

313. Motor speed control using IR sensor
314. Motor speed monitor & controller interface
315. Motor speed reverse, jogging, breaking and plugging system
316. Moving message 16 character display
317. Moving message display
318. Multi channel call bell
319. Multi channel electrical appliances control system
320. Multi channel fire alarm
321. Multi channel programmable timer
322. Multi frequency (32 MHz-1 Hz) generator
323. Multi function frequency counter
324. Multi voltage power supply
325. Multi-channel temperature monitor & controller
326. Multipurpose digital counter
327. Multivariable controller
328. Multivariable parameter interfacing with can bus
329. Multi-zone temperature monitoring
330. Networking based on IR
331. Noise & vibration system
332. Non-GPS outdoor tracking systems
333. Object counter
334. Object detection using ultrasonic waves
335. Office automation system
336. Oil-tank level indicator
337. On- line measurement of spinning frame
338. On line vehicle tracking using GPS & GSM
339. On line weighing balance
340. On-load tap-change for power transformer
341. Optical pyrometer
342. Organization security system
343. Over speed preventer for vehicles
344. Paint spraying robot
345. Paper counting system
346. Patient treatment monitoring system
347. Stepper motor controller
348. RF-434 MHz wireless robot
349. Printer communication through power line
350. PC to mobile m2bus communication
351. PC to PC communication through LASER/IR
352. Person roaming detector
353. Personal ecology widget
354. Personal safety and tracking through GPS
355. Petrol cards
356. PH measurement and control system
357. Pigment adding system using image processing
358. Plate cutting machine
359. Plc based motor protection system
360. Portable recording system for monitoring vehicle speeds
361. Position control system
362. Power booster for IC engine
363. Power factor monitor & control
364. Power monitoring system for motors
365. Power room monitor with data logger
366. Precise yarn thickness measurement
367. Precision temperature sensing using RTD

368. Prepaid cable card system
369. Prepaid card for call taxi
370. Prepaid card for telephone
371. Pressure controller & monitor
372. Pressure measurement and monitoring systems
373. Pressure transmitter
374. Priority for emergency vehicles in traffic signals
375. Private pager networks
376. Production counter
377. Production event monitor & controller
378. Programmable automatic street light controller
379. Programmable college timer
380. Programmable digital clock
381. Programmable hopper controller
382. Programmable logic controller (PLC)
383. Programmable multi channel water level controller
384. Programmable number lock
385. Programmable on-off timer for industries
386. Programmable outgoing barring system for telephones
387. Programmable quiz master
388. Programmable sine wave generator
389. Programmable single phase motor over load prevent or
390. Programmable wire feeder for welding robots
391. Protocol converter
392. Pulse rate monitoring system
393. Quality control system
394. Radiometric sensor using microcontroller
395. Railway helpline display
396. Range detection system using ultrasonic range detection module & pic
397. Refrigeration using remote modem interface
398. Remote cable disconnection system
399. Remote control for home appliance
400. Remote control using GSM
401. Remote control using modem
402. Remote control using radio
403. Remote controller motor operation
404. Remote data logging using current loop modems
405. Remote dish positioning system
406. Remote motor starter (star-delta)
407. Remote motor, plugging, forwarding jogging
408. Remote mouse controlled automation
409. Remote rpm data logger
410. Remote security system
411. Respiration monitor
412. RF signal generator
413. RF wireless multi channel electrical appliances control system
414. Rf-434MHz data linking between wireless keyboard
415. -microcomputer messaging system
416. Rf-434MHz data linking between wireless microcomputer messaging system
417. Robot operated through voice
418. Room temperature monitor & A/C controller
419. RS 485 extender
420. Satellite tracking system
421. Scholl broad coasting systems
422. Scrolling message display

423. Secured data acquisition system
424. Security code locking system
425. Security door man
426. Security recording station cards
427. Security system for remote access using telephone line
428. Security system using smartcard
429. Security system with auto dialer & remote monitor
430. Sensor less control for brush less dc motor
431. Sequential control system for conveyer system
432. Servo motor speed control using IR remote
433. Servo motor speed controller with feedback
434. Shutter control system with intelligent security
435. Signal plotter based on graphic led
436. Sine wave generator
437. Single phase preventer with low voltage cutoff
438. Single supply temperature monitoring using thermocouple
439. Single supply temperature monitoring using thyristor
440. Smart card
441. Smart card based applications
442. Smart card security systems using i2c devices
443. Smart cards with i2c EPROM
444. Smart networking
445. Smoke detector
446. SMS alerting system using mobile phone for bank security system
447. SMS based on-off control
448. SMS controlled home appliance
449. SMS controlled load.
450. SMS through landline
451. Soft starter with overload tripping
452. Soil moisture controller
453. Solar panel tracking system
454. Solar tracking and data logger
455. Solar tracking system.
456. Sound level meter
457. Space spectrum modulation
458. Speech security
459. Speed control for dc shunt motor
460. Speed control of motor through SMS
461. Speed control system for three-phase induction motor
462. Static var compensation
463. Stepper motor controlled by remote control
464. Stepper motor controller
465. Stepper motor speed controller through telephone line
466. Streetlight on/off controller
467. Student mark announcement through telephone line
468. Students result announcement system through telephone line
469. Sugar bag counter
470. Surface level monitor instrument
471. Synchronization of EB power supply & generator
472. Tachometer
473. Tele monitoring patient through internet
474. Telephone account recorder
475. Telephone answering machine
476. Telephone call meter
477. Telephone call meter with call over alarm

478. Telephone controlled electrical appliances
479. Telephone interface security system
480. Telephone line monitor
481. Telephone operated machine
482. Telephone operated motor control
483. Telephone operated remote robot
484. Telephone operated temperature control system with remote control
485. Telephone switching
486. Temperature & speed control system
487. Temperature control with mains transmission
488. Temperature controller using PIC
489. Temperature data logger
490. Temperature monitor and control
491. Temperature monitoring and recording device
492. Temperature monitoring using watch dog timer
493. Tension control system
494. Theft alarm
495. Thermometer monitoring & annunciator
496. Three phase induction motor protection relay
497. Three phase motor control using remote/tele control
498. Thumb recognition system
499. Tilt measurement using microcontroller
500. Token display for bank with speech
501. Token number system display
502. Traffic controls system
503. Traffic light priority control for emergency vehicles
504. Traffic priority for ambulance
505. Transformer protection system
506. Transistor lead identifier cum tester
507. Transmission sensor for remote car starter
508. True rms voltage & current measurement with lcd interface
509. Tsr based multi channel motor speed monitor
510. Tyre pressure monitoring system
511. Ultrasonic alarm for visually impaired
512. Ultrasonic distance meter
513. Ultrasonic level monitor
514. Ultrasonic vibration detector
515. Universal flash micro controller programmer
516. Universal function generator
517. Universal timer
518. UPS monitoring system
519. UPS monitoring system
520. UPS security key
521. V/F control for motor
522. Vacuum cleaner
523. Vector control of ac induction motor
524. Vehicle location system
525. Vehicle speed storage system
526. Vehicle speed, temperature, total distance traveling & fair monitoring system
527. Vehicle tracking system
528. Vehicles speed indicator
529. Vibration sensing system
530. Video signal transmitter
531. Voice changer
532. Voice coding and decoding

533. Voice dialer for phone
534. Voice operated home appliance control system
535. Voice operated motor controller
536. Voice operated motor controller & speed monitor
537. Voice operated robot
538. Voice operated temperature controller
539. Voice recording system
540. Voltage - current, speed monitor through power line
541. Voltage monitor and control
542. Wall thickness measuring system for pipes & plates
543. Water level controller
544. Weather monitoring
545. Weather reporter
546. Weighing balance
547. Weighing balance system
548. Weighing machine & controller
549. Weight & height measurement with printer facility
550. White cane with ultrasonic sensor for distance measurement
551. White card reader detector
552. Wind mill control system
553. Wireless communication from pc to μ c
554. Wireless communication from pc to pc
555. Wire position sensor encoder and distance measurement
556. Wireless dish antenna tracking system
557. Wireless door control system
558. Wireless energy transmitter
559. Wireless home automation using PIC
560. Wireless home security system
561. Wireless keypad
562. Wireless lift controller
563. Wireless modem
564. Wireless motor speed controller-using fm
565. Wireless printer by using laser beams
566. Wireless security system with two transmitters
567. Wireless smart card
568. Wireless voting machine
569. Wireless water level controller
570. Yarn lee strength measurement
571. Yarn thickness measurement system

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