



# SPECTRUM SOLUTIONS

Pondicherry, Bharat

A government approved organization under section - 21

[www.spectrumultra.com](http://www.spectrumultra.com)

## ELECTRONICS DIPLOMA PROJECT LIST - 2017

S.No	Code	Title	Year
1.	Dips01	Mobile Phone Controlled Devices	- 2017
2.	Dips02	Design of Intelligent Home Appliance Control	- 2017
3.	Dips03	GSM based Human Health Monitoring and Alert System	- 2017
4.	Dips04	Heart Beat Monitor and Recorder	- 2017
5.	Dips05	Ignition control through IR remote	- 2017
6.	Dips06	Peak Time Power Management	- 2017
7.	Dips07	Ration Card Distribution System	- 2017
8.	Dips08	Water Scheduling for Municipalities Using RTC	- 2017
9.	Dips09	Automatic Vehicle Starter System Based Alcohol Breath Analyzer Sensing	- 2017
10.	Dips10	Automatic Rain Operated Wiper	- 2017
11.	Dips11	Automatic Railway Gate Control with Voice Announcement	- 2017
12.	Dips12	Automatic Irrigation Water Supply Monitoring and Control System	-2017
13.	Dips13	Automatic Industrial Device Control Using IR sensor	- 2017
14.	Dips14	Ultrasonic Range Finder Using 8051	- 2017
15.	Dips15	Ultrasonic anti-collision sensor	- 2017
16.	Dips16	Remote control home appliances	- 2017
17.	Dips17	Cell phone based moving robot 89C51 Microcontroller	- 2017
18.	Dips18	Industry and Home Based Power Saving System Using 8951	- 2017
19.	Dips19	Arrival and Departure of Bus with Announcement System	- 2017
20.	Dips20	Automatic Highway Speed Checker	- 2017

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21. Dips21 Automatic Human Tracking Fan System - 2017
22. Dips22 Automatic Room Light Control with Visitor Counter - 2017
23. Dips23 Automatic Temperature Control and Warning System - 2017
24. Dips24 A Biometric-Secure e-Voting System for Election Processes - 2017
25. Dips25 A Dual-Mode Human Computer Interface Combining Speech and Tongue Motion for People with Severe Disabilities- 2017
26. Dips26 A Zigbee-Based Wearable Physiological Parameters Monitoring System - 2017
27. Dips27 An Electronic Patch for Wearable Health Monitoring by Reflectan -2017
28. Dips28 Biometric Based Web Security Using Ridges of Fingers - 2017
29. Dips29 Bio signal Based On-Road Stress Monitoring For Automotive Drivers - 2017
30. Dips30 Design and evaluation of a smart home voice interface for the elderly – Acceptability and objection aspects- 2017
31. Dips31 Design of Blood Pressure Measurement with a Health Management System for the Aged- 2017
32. Dips32 Development of a respiration rate Meter—a low-cost design approach - 2017
33. Dips33 Dew-Based Wireless Mini Module for Respiratory Rate Monitoring - 2017
34. Dips34 Driver Alertness Monitoring Using Fusion of Facial Features and Bio-Signals- 2017
35. Dips35 Evaluation of Data Delivery on Android Application for Health Screening Form-2017
36. Dips36 Optical Device Indicating a Safe Free Path to Blind People - 2017
37. Dips37 Personal Identification Using Palm print Biometrics Based on Principal Line Approach- 2017
38. Dips38 Sensors-Based Wearable Systems for Monitoring of Human Movement and Falls-2017
39. Dips39 Technologies Involved In Monitoring Of Patient Health Using Wireless Sensor Network- 2017

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40. Dipa40 Using Ultrasonic Sensor for Blind and Deaf persons Combines VoiceAlert and Vibration Properties- 2017
41. Dipa41 A New AMR Approach for Energy Saving in Smart Grids Using SmartMeter and Partial Power Line Communication- 2017
42. Dipa42 Automated Billing System in Electricity Board Using Zigbee Transceiver - 2017
43. Dipa43 Automatic detection of human and Energy saving based on Zigbee Communication- 2017
44. Dipa44 Automatic energy calculation through Wireless smart meter using Zigbee - 2017
45. Dipa45 Automatic Meter Reading and Theft Control System by Using GSM - 2017
46. Dipa46 Automatic Street Light Intensity Control and Road Safety Module Using Embedded System - 2017
47. Dipa47 Design of a Prepaid Power Meter with Communication facility based on GSM Network - 2017
48. Dipa48 In-Building Lighting Management System with Wireless Communications - 2017
49. Dipa49 Intelligent Energy Management System for Smart Offices - 2017
50. Dipa50 Intelligent wireless street lighting system - 2017
51. Dipa51 Low-Cost Undergraduate Control Systems Experiments Using Microcontroller-Based Control of a DC Motor - 2017
52. Dipa52 Mechanism with Four Degrees of Freedom, Design and Construct with Controller for Increasing the Power Output of Solar Cell - 2017
53. Dipa53 Microcontroller-Based Two-Axis Solar Tracking System - 2017
54. Dipa54 PWM Based Automatic Closed Loop Speed Control of DC Motor - 2017
55. Dipa55 Remote Control with Switches on Fingertips - 2017
56. Dipa56 Remote Energy Monitoring, Profiling and Control Through GSM Network - 2017
57. Dipa57 Remote-Controllable Power Outlet System for Home Power Management - 2017

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58. Dipa58 Renewable energy based power Generation for stand-alone Applications: a review- 2017
59. Dipa59 Robust Beam forming for Wireless Information and Power Transmission - 2017
60. Dipa60 Smart Charge: Cutting the Electricity Bill in Smart Homes with Energy Storage - 2017
61. Dipa61 Speech Recognition Based Wireless Automation Of Home Loads With Fault Identification For Physically Challenged- 2017
62. Dipa62 A New Approach for Co-Operative Bus Priority at Traffic Signals - 2017
63. Dipa63 A Novel design of Electronic Voting System Using Fingerprint - 2017
64. Dipa64 Vision Based Static Hand Gesture Alphabet Recognition - 2017
65. Dipa65 A voice-input voice-output communication aid for people with severe speech impairment- 2017
66. Dipa66 An Embedded Lab Security Monitoring System - 2017
67. Dipa67 Anytime Anywhere- Remote Monitoring of Attendance System based on RFID using GSM Network - 2017
68. Dipa68 ARM based Event Data Recorder for Automobiles - 2017
69. Dipa69 ARM Based Interactive Electronic Board - 2017
70. Dipa70 ARM Based System for Earth Movers work status Monitoring and position tracing using GSM and GPS - 2017
71. Dipa71 Arm7 based smart car security System - 2017
72. Dipa72 Auto Theft Preventing System - 2017
73. Dipa73 Automatic Ambulance Rescue System - 2017
74. Dipa74 Blind Audio Guidance System - 2017
75. Dipa75 Design a secure electronic voting system Using fingerprint technique - 2017
76. Dipa76 Design and Development of Gesture Controlled MP3 Player Using ARM7 and Image Processing Technique - 2017



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77. Dipa77 Design And Development Of Microcontroller Based Vehicle Monitoring System Using Controller Area Network (CAN) - 2017
78. Dipa78 Design and Implementation of a Voice Based Navigation for Visually Impaired Persons- 2017
79. Dipa79 Electric wheelchair control with gaze direction and eye blinking - 2017
80. Dipa80 GSM based Fire Sensing and Extinguishing Robot - 2017
81. Dipa81 Human Interface Device for Mobile Robot Navigation - 2017
82. Dipa82 Online Control of Fuzzy Based Mine Detecting Robot Using Virtual Instrumentation - 2017
83. Dipa83 Path Following of Autonomous Vehicles in the Presence of Sliding Effects - 2017
84. Dipa84 Rope Climbing Robot with Surveillance Capability - 2017
85. Dipa85 Voice and Gesture Based Electric-Powered Wheelchair Using ARM - 2017
86. Dipa86 Wireless Data Glove for Gesture-Based Robotic Control - 2017
87. Dipa87 Feasibility of Intelligent Monitoring of Construction Workers for Carbon Monoxide Poisoning - 2017
88. Dipa88 Hands-free Voice Communication with TV - 2017
89. Dipa89 Monitoring Workers Through Wearable Transceivers for Improving Work Safety - 2017
90. Dipa90 Multi Account Embedded ATM Card - 2017
91. Dipa91 MyCare Card Development: Portable GUI Framework for the Personal Electronic Health Record Device - 2017
92. Dipa92 On the Design and Deployment of RFID Assisted Navigation Systems for VANETs - 2017
93. Dipa93 Predicting Taxi-Passenger Demand Using Streaming Data - 2017
94. Dipa94 Remote management and control system for LED based Plant Factory using Zigbee and Internet - 2017

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95. Dipa95 Smart Transmitters and Receivers for Underwater Free-Space Optical Communication - 2017
96. Dipa96 The Design of Zigbee Protocol Based Mobile Node in Wireless Sensor Network - 2017
97. Dipa97 Traffic Signal Control System Based on Wireless Technology - 2017
98. Dipa98 Vision based sleep mode detection for smart TV - 2017
99. Dipa99 Voice Call Implementation Using Bluetooth Scatter net - 2017
100. Dipa100 Wireless Sensor Network Based Home Monitoring System for Wellness Determination of Elderly- 2017
101. Dipa101 Wireless Structural Health Monitoring System Using Zigbee Network and FBG Sensor- 2017
102. Dipb102 Microcontroller based gate IC tester - 2017
103. Dipb102 Six channel petro chemical fire monitoring with dialer - 2017
104. Dipb102 Industrial power saver - 2017
105. Dipb102 Brail keyboard for Visually Impaired person with audio output - 2017
106. Dipb102 Stepper Motor Controller using micro controller (Kit with 8.2v 2 phase unipolar stepper motor)- 2017
107. Dipb102 Intelligent hand wash system - 2017
108. Dipb102 RTC master slave configuration based elevator controller - 2017
109. Dipb102 Microcontroller Based programmable Security Door Lock (Kit with 12v Electro Magnetic Door Lock) - 2017
110. Dipb102 Digital coin vending system for Milk booth - 2017
111. Dipb102 Telephone controlled appliance - 2017
112. Dipb102 External Electrical Appliance control using telephone. - 2017

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113. Dipb102 Embedded based Automatic toll gate collector - 2017
114. Dipb102 Industrial Security solution with Embedded and wireless Video camera - 2017
115. Dipb102 Fuzzy logic based Temperature controller - 2017
116. Dipb102 Vehicle pollution monitor - 2017
117. Dipb102 Digital RPM Indicator - 2017
118. Dipb102 Cargo load monitor and over load Indicator - 2017
119. Dipb102 Intelligent gate light, Call bell system - 2017
120. Dipb102 Automatic Railway gate control and Track switching - 2017
121. Dipb102 Air Pollution based traffic signal control - 2017
122. Dipb102 Bus Identification system for blinds - 2017
123. Dipb102 Security system for fire with camera - 2017
124. Dipb102 Non-contact Automatic timed Heart beat measuring for patient - 2017
125. Dipb102 Atomizing college bell with voice announcer - 2017
126. Dipb102 Intelligent remote theft indicator with audio and visual output - 2017
127. Dipb102 Gas leak detector with inbuilt timer control - 2017
128. Dipb102 Voice based home appliances controlling - 2017
129. Dipb102 Embedded system based Blood Pressure Monitoring - 2017
130. Dipb102 Combinational Gas leak Detector (LPG, Methane, Propane etc..) - 2017
131. Dipb102 Bluetooth enabled Automatic railway gate system - 2017
132. Dipb102 Temperature, level monitoring & remote controlling - 2017
133. Dipb102 Android Blue tooth controlled Appliances - 2017
134. Dipb102 Automated Irrigation System Using a Zigbee - 2017
135. Dipb102 GSM based Notice board in 2\*16 LCD - 2017

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136. Dipb102 Finger print based digital voting machine - 2017
137. Dipb102 Finger print based e-lock - 2017
138. Dipb102 S.M.S controlled appliances - 2017
139. Dipb102 Post-paid Energy Meter with SMS Billing - 2017
140. Dipb102 Patient heart beat monitoring using GSM for hospitals - 2017
141. Dipb102 SMS based students database recovery - 2017
142. Dipb102 Robotic wheel chair - 2017
143. Dipb102 Pick & place robot - 2017
144. Dipb102 Cell Phone controlled Pick and Drop Robot - 2017
145. Dipb102 MEMS glove for Robot control - 2017
146. Dipb102 Bluetooth Android controlled Robot - 2017
147. Dipb102 Home automation using PC - 2017
148. Dipb102 Mobile phone jammer for GSM and CDMA technology - 2017
149. Dipb102 Remote control for AC mains (RF) - 2017
150. Dipb102 Traffic light controller - 2017
151. Dipb102 Real time clock LPG controller with auto cut-off - 2017
152. Dipb102 Ultrasonic based Anti-collision system for Automobiles. - 2017

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