# SHRI SANT GADGE BABA COLLEGE OF ENGINEERING & TECHNOLOGY, BHUSAWAL
## Department of Electronics & Telecommunication Engineering

**Record For Previous Year Project Titles**
**Session:2014-15**

| Sr. No | Title of Project |
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| | **2010-11** |
| 1. | Power Line Connector |
| 2. | Swarm Robots |
| 3. | RF Based Wireless Data Telemetry System |
| 4. | Power Level Monitor with automated GSM Signaling & Control |
| 5. | Implementation Of Lbc Using VHDL |
| 6. | VLSI Based Human Activity |
| 7. | Implementation Of Radar Based On Ultrasonic Principal |
| 8. | GSM Based Digital Notice Board |
| 9. | Pick & Place Robot Arm For Color Sorting |
| 10. | Talking Multimeter |
| 11. | PC To PC Laser Communication |
| 12. | IVRS For Industrial Control & Latch Security System |
| 13. | Fingerprint Based Voting System Using Microcontroller |
| 14. | Power Grid Control System GSM Model |
| 15. | Green House Monitoring By GSM Mobile |
| 16. | Intelligent Security System |
| 17. | Electronic Eye With Dial Up Connection |
| 18. | Bridge Control System Using Rf Technology For Ship Navigation |
| 19. | PC Based College Premisses Position Detector |
| 20. | Barcode Based Access Control System |
| 21. | Robo Dog |
| 22. | Prepaid Electricity Meter Using GSM Tech. |
| 23. | Vertical Take Off Air Craft For Defence |
| 24. | Wireless Metal Detection System |
| 25. | Fingerprint Recornization Based Access Control System |
| 26. | VLSI Based Highway Accident Avoidance System On Blind Curve |
| 27. | Speech Recognition Using Matlab |
| 28. | Optical Data Transfer Between Two Controller Via FOC |
| 29. | PLC Based Conveyor Mechanism |
| 30. | Distributed Dynamic Channel Allocation Algorithm For Cellular Mobile Network |
| 31. | Noise & Echo Canceller |
| 32. | Microcontroller Based Heart Beat Monitor |
| 33. | GPID |
| 34. | Satellite Tracking System By VHDL |
| 35. | RF Control Stepper Motor |
| 36. | Embedded Base Auto Ticket In Bus |
| 37. | Banking Security Using Gsm Mobile |

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| 38. | Remote Control Operated Home S/W At Few Km |
| 39. | Mobile Based Car Security System |
| 40. | VLSI Based National Security System |
| 41. | Solar Tracking System Using VLSI |
| 42. | Image Compression Using MATLAB |
| 43. | Industrial Automation Through Rf Based Multi Channel Wireless Remote Controller |
| 44. | VLSI Based Remote Vehicle Identification & Data Logger |
| 45. | Fire Fighting Robot |
| 46. | DTMF |
| 47. | VLSI Base Industrial Fault Detection & Announcement |
| 48. | Intelligent Robot |
| **2011-12** | |
| 49. | Embedded temp base fan speed controller using AT89c51 |
| 50. | GSM based SPY Robot |
| 51. | Fruit Quality testing using AT89c52 |
| 52. | Energy Harvester Charging a Battery By Typing |
| 53. | Vocal Announcement System Using ARM-7 TDMA Processor Based LPC2148 Controller |
| 54. | SMS electronic notice board using GSM/CDMA/3G phone |
| 55. | Face Detection Algorithum In Digital Image Processing  And METLAB Projects |
| 56. | Speech reorganization using MATLAB |
| 57. | Home Automation System Using PC |
| 58. | Fingerprint Based Bank Locker System |
| 59. | Multi channel monitoring system for heart beat ,temperature,light with data logger process monitoring system |
| 60. | GSM based street light controller |
| 61. | Intelligent Train Engine |
| 62. | Feature interaction using MATLAB |
| 63. | Automated solar base agriculture pumping |
| 64. | GSM base Industrial Application control using ARM7 |
| 65. | Automated vehicle for Physical & visual challenge |
| 66. | Earthquake SMS System |
| 67. | VLSI Based Traffic Light Controller |
| 68. | WIFI Based industrial monitoring &controlling using AVR Processor |
| 69. | Call admission control scheme for 3G w ireless cellular network with QOS provisioning |
| 70. | WSN for personal management system |
| 71. | UV bands / diversity in communication system |
| 72. | GSM Based Biometric Voting System |
| 73. | Teleguard System Using Microcontroller |
| 74. | RPM Control Of DC Motor Using  FPGA |
| 75. | Single phase inverter  using PIC microcontrollar |
| 76. | Rail Automation |
| 77. | Green House Automated System |
| 78. | Implementation of RSA Algorithm using VHDL |
| 79. | Highway speed sensing & automatic breaking system |
| 80. | Implementation  of various multiplier with Vedic multipliers |
| 81. | A Landrover Remotely Controlled By Handheld IR Transmitter |
| 82. | Door opening system using finger print |
| 83. | Character recognition using MATLAB |

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| 84. | F I R Filter using VHDL |
| 85. | Handwritten Character Recognition Using MATLAB |
| 86. | Ultrasonic Wave Distance Finder |
| 87. | FPGA Implementation of farmers friendly wireless controls m monitoring system |
| 88. | Robotic ARM for handicapped & for medical Robotic |
| 89. | GSM based SCADA Implementation |
| 90. | Prototype Weather monitoring System |
| 91. | FPGA Based Array Designed For Air Fumes Monitoring |
| 92. | Electronic Sunflower |
| 93. | Cell phone operated Land Rover |
| 94. | Remote appliance control system |
| 95. | An Integration Four Port DC/DC Converter For Renewable energy application |
| 96. | 1-phase Induction Motor Speed Controller Using ARM-7 |
| 97. | 8051 Based DC Motor Speed Controller Using RF |
| **2012-13** | |
| 98. | Radio controlled combat robot |
| 99. | Automated innovative wheel chair |
| 100. | Design simulation and synthesis of single precision floating point addition and multiplication |
| 101. | Visible communication using LED |
| 102. | Wreless navigation system for person |
| 103. | Touch screen based wireless airline assistance |
| 104. | Design & implementation of AES |
| 105. | LPG gas detector using GSM module |
| 106. | "Petrochemical Level Indicator and Controller for Automation of cotton purification process in spinning mills using PIC Microcontroller |
| 107. | ARM-7 TDMI Processor solar tracking system |
| 108. | IVRS for industrial application |
| 109. | Real time vehicle locking and tracking using GSM &GPStechnology |
| 110. | Priority based selection of traffic over heterogeneous network |
| 111. | Image  and speech compression |
| 112. | Industrial fault dection and announcement system using VLSI |
| 113. | Simulation of hand-off algorithums in wireless network |
| 114. | Performance analysis of OFDM system through BER |
| 115. | Implementation of the GSM traffic channel through simulation |
| 116. | MIMO-OFDM FOR 4G wireless communication implement on metlab |
| 117. | GPS & GPRS based cost  effective human tracking  system using  mobile phones |
| 118. | JPEG 2000 based image compression algorithum for remote sensing images |
| 119. | Hiding of host image using cover image |
| 120. | HMI based text to speech converter using microcontroller |
| 121. | PWM inverter approach for harmonics improvement |
| 122. | Vocal mobile charger |
| 123. | Design and simulation of preogrammable logic controller based applications |
| 124. | Design & VLSI implementationof vedic division |
| 125. | Speaker recognition & identification by using MATLAB |
| 126. | Iris recognition using METLAB |
| 127. | Image and speech compression using Matlab |
| 128. | ECG simulation to train medical practiners |
| 129. | Automatic intelligent room light controller using 89c51 MCU with auto door opening/closing |

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| 130. | Simulation and synthesis of DES block cipher using VHDL |
| 131. | Station stop and arrival detector |
| 132. | Design and application of embedded system based on ARM7LPC1768 processor in telemedicine |
| 133. | Remote data acquization using wireless SCADAsystem |
| 134. | Implimentation & noval analysis of bidirectional DC-DC converter |
| 135. | Stagnography Using Metlab |
| | **2013-14** |
| 136. | 7 Servo Robotic Arm Using PIC |
| 137. | Line Human Being Detection Using Wireless Remote Controlled Robot |
| 138. | Density Based Traffic Signals |
| 139. | Unmanned Petrol Bunk System |
| 140. | Booth Multiplier |
| 141. | RFID Based Security Acess Control System |
| 142. | AutometroTrain To Shuttle Between the Stations |
| 143. | Industrial Automation Using Embedded Based Fiber Optic Communication |
| 144. | Hand Glose Control Wheelchair |
| 145. | Path Illumination By A Short Message Service Based Remote Controller |
| 146. | Automation Using Raspberry Pi |
| 147. | Queing Scheme For Cellular Network For Traffic Reduction |
| 148. | Power Grid Control System Using GSM Module |
| 149. | Solar E nergy Measurement using PIC |
| 150. | Wireless Sensor Netrwork Using Zeegbee Network |
| 151. | Submercible Pump Controlling Using GSM M |
| 152. | Design & VLSI Implementation of High Speed UART |
| 153. | Design & VLSI Implementation of Generic Adder & their Comparision |
| 154. | Brain Maker To Improve Hospital Treatment Using Adline Network |
| 155. | Lung Cancer Detection Using MATLAB |
| 156. | A Single Image Enhancement Using Inter channel Correlation |
| 157. | Smart Stick For Blind People Using GPS |
| 158. | Cancer Dectection Using Medical Image Processing Using MATLAB |
| 159. | Wireless Notice-Board Using Zigbee Technology |
| 160. | Remote Hardware Control Using Internet |
| 161. | Fire F ighting Robot |
| 162. | Manipulation & Control Of TDS & Flow Of Water |
| 163. | Skin Tone Detection Using MATLAB |
| 164. | LED Based Street Light With Programmable Intensitry Control Using Solar Power From Photovoltiac Cell |
| 165. | T he Water Making Methodology of Encryption of Image |
| 166. | Hand-Talk :- Assistive Technology for Dumb |
| 167. | Fire Dectection & Automatic Controlling Image Processing |
| 168. | ANNOT |
| 169. | Spatial heterodyning OCDMA Technique for Near Field Free Space Optical Communication System |
| 170. | BER Performance Analysis of DVB-S2 |
| 171. | DIP Based Automatic Fabric Fault Finding Using MATLAB |