

# **POOJA'S SCHOOL LEVEL SCIENCE PROJECTS**

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## PROJECT LIST 2016-2017

<p><b><u>Simple Projects &amp; Exhibition Projects:</u></b></p> <p>01. Simple Wind mill 02. Simple water turbine model 03. Hydropower House 04. Simple Solar house 05. Wind energy house 06. wind city model 07. wind village model 08. Wind + Solar energy based house 09. Solar city model 10. Solar/wind village 11. Solar street light 12. Solar village model 13. Energy from speed breaker 14. Vegetable/Salt battery 15. Fire alarm safety house 16. Earth quake alarm safety house 17. Burglar/Theft Alarm safety house 18. Rain alarm safety 19. Sound detector safety house 20. Automatic Water level controller 21. Automatic water level indicator 22. Rain water Harvesting 23. Automatic street light 24. Automatic street light dimmer 25. 2 in 1 model 26. 3 in 1 model 27. 4 in 1 model 28. Solar system 29. Solar/Lunar Eclipse 30. Hand operated generator 31. Hand operated generator Glow Bulb 32. Accident preventing – Train 32. Accident preventing – bus 33. Solar Train 34. Solar bus 35. Automatic light in city houses 36. Control home appliances using cell phone 37. Control home appliances using W/L remote</p>	<p>38. Automatic Street Light &amp; Sound sensed house lights 39. Garden with automatic light 40. Garden with solar lights 41. Garden with wind mill lights 42. House with garden 43. Botanical Garden 44. House &amp; Garden Solar energy lights 45. House &amp; Garden Wind energy lights 46. Drip Irrigation Model (Simple/Cellphone ctrl/remote) 47. Irrigation (Simple/Cellphone ctrl/ Remote) 48. Industry on Solar Energy 49. Industry on Wind Energy 50. Industry on Green Energy (Wind &amp; Solar) 51. Industry waste in village 52. Destroy the industry smoke 53. School on Green Energy (Solar/Wind) 54. School on Green Energy &amp; Safety 55. School Fire accident safety 56. Office on green energy (Solar/Wind) 57. Wireless power transmission Street lights 58. Wireless power transmission house lights 59. Password based house door opening. 60. Avoid one more Tamil Nadu Express accident 61. ECO Friendly House 62. White Revolution 63. Dam working model 64. Dam non working model 65. Temple models 66. Electric Bell model kit 67. DC Motor model kit 68. Motor model kit <u>69. House door sensitive sound</u></p>	<p>70. Automatic railway level crossing control 71. Hydraulic Lift 72. Hydraulic Bridge 73. Solar Vehicle ***** <b><u>Innovative Science Fair Working Models</u></b> 74. Remote controlled robotic ploughing 75. Automatic plant watering system. 76. Automatic elephant driving system in the agriculture fields. 77. Pollution control system for industries 78. Saving environment using trees &amp; green energy. 79. Earthquake protected house. 80. Conservation of electrical energy using energy efficient real time fans &amp; tube lights with automatic inverter-less operation. (With or without solar panel optional). 81. Autonomous Hotel waiter robot. 82. Cell-phone controlled irrigation automation. 83. Automatic street light energy saver automation. 84. Green energy by using bullocks. 85. Green Energy from Mechanical arrangement of speed breakers. 86. Automatic speed slowing down system of vehicles in school areas. 87. Windmill cell-phone charger working model 88. Solar cell-phone charger working model. 89. Domestic Hydro Power generator working model. 90. Carbon-dioxide &amp; carbon monoxide pollution control system.</p>	<p>91. SMS switch on/off control for your air conditioner. 92. SMS alert of elephants in the field. 93. SMS alert for fire &amp; burglary. 94. SMS alert system during vehicle accidents. 95. Sea border alert system for fisherman. 96. Secret password calling bell for housewives. 97. LPG gas leak control system using gas valves to prevent gas hazards. 98. Camera &amp; password based electromagnetic locker system to identify the burglar. 99. Electronic letter box. 100. Bomb handling robot with bomb detection. ***** <b><u>2014 INNOVATIVE (2):</u></b> 101. Modern Agriculture 102. Automatic Irrigation System 103. Irrigation via Remote 104. Irrigation via Mobile phone 105. Drip Irrigation model 106. Water Turbine power generation and irrigation 107. Solar Irrigation 108. Motor Principle 109. Generator Principle 110. Mini Pick n Place robo * (new) 111. Cellphone Controlled Robo* 112. Multi Function Robo* 113. Simple Hover Craft</p>
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**Communication Projects:**

- 01.RF based communication( Wireless voice transmission)
- 02.laser or infrared light based communication( Transmission of voice through light)
- 03.RF communication
- 04. TV communication. (Mini wireless TV station)
- 05. Telephone wired communication (Intercom).
- 06.GSM communication
- 07.Tsunami warning system using wireless

**Biology projects model:**

- 01. Heart model
- 02. Eye model
- 03. Kidney model
- 04. Brain model
- 05. Ear model
- 06. Urinary System
- 07. Blood Circulation in human body
- 08. Lungs
- 09. Plant cell

**Branded Robotics Kits: (DIY)**

- 01. Copter Mech
- 02. Line Tracking Mouse
- 03. Solar Bug
- 04. Solar Walking Robo
- 05. Scrab Robo
- 06. Sola robo
- 07. Robo Battle
- 08. Mini bots
- 9. Lady Bug
- 10. Escape
- 11. Space9
- 12. Solar Frog
- 13. Cable Car
- 14. Solar F1 Car

- 15. Climbing Monkey
- 16. 6 in 1 kit
- 17. Electromagnetic Kit
- 18. Young Scientist
- 19. Solar Robo kit
- 20.3D Puzzles 21.New solar kit 6 in 1
- 22.Solar Stallion 3 in 1
- 23.Robot kit 6 in 1
- 24.3 in 1 Solar Educational DIY Kit
- 25.6 in 1 Solar Educational DIY Kit
- 26. Titan Tank
- 27. Solar Spider
- 28. Bot Ball
- 29. Solar Astronaut
- 30. Magnet set
- 31. Balloon helicopter
- 32. Balloon car33. Rubber powered airplane
- 34. NEW 6 IN 1 DIY KIT
- 35. 7 IN 1 KIT
- 36.SPY KIT

**Robotics Projects:**

- 01.Line Following robot
- 02.Line Following Robot (Non Programmable) 03.Multi Function Robo ( Sound, Remote, Light, Obstacle, Line following operated) 04.Small Magnetic Crane
- 05.Pick & Place Robot 06.Mini House Cleaning Robot
- 07.Remote Robo
- 08.Remote Robo with Metal Detector 09.Remote robo with Obstacle 10.Remote robo with Pouring Water 11.Remote Robo Water Your Garden 12.Helper Robo
- 13.Cell phone operated robo
- 14.Intelligence light robo
- 15.Bomb detecting robo

**DO IT YOUR SELF KITS:**

- 1. Solar kit
- 2. Wind kit
- 3. Ohms law kit
- 4. Parallel and series kit
- 5. Two digit counter kit
- 6. Burglar alarm kit
- 7. Blind man’s eye kit
- 8. Touch alarm kit
- 9. Heart beat sensor kit
- 10.Temperature ctrl fan kit
- 11.3way gate alarm kit
- 12.Earth quake alarm kit
- 13.Hearing aid kit
- 14.Gas sensor kit
- 15.Smoke sensor kit
- 16.Multi tone siren kit
- 17.Flasher kit
- 18. Intercom kit
- 19.PIR security alarm kit
- 20.Voice thru IR 1& 2
- 21.Light sensor robo kit + Robo kit
- 22.Light dimmer kit
- 23.Traffic light kit
- 24.Running light kit
- 25.Water level indicator kit 26.Fire alarm kit
- 27.Street light kit 28.Rain alarm kit 29.Variable power supply 30.Gate alarm kit 31.Solar charger kit
- 32. Solar Sound Kit
- 33. Hi –WIND KIT
- 34. Hi-Solar Sound Kit
- 35. Super Solar Fan Kit
- 36. Air(Wind) Sound & Light Kit

**Ready KITS:**

- 1. FM Station
- 2. Metal Detector
- 3. Two digit counter kit
- 4. Burglar alarm kit
- 5. Blind man’s eye kit
- 6. Touch alarm kit
- 7. Heart beat sensor kit
- 8. Temperature ctrl fan kit
- 9. 3way gate alarm kit
- 10. Earth quake alarm kit
- 11. Hearing aid kit
- 12. Gas sensor kit
- 13. Smoke sensor kit
- 14. Multi tone siren kit
- 15. Flasher kit
- 16. Intercom kit
- 17. PIR security alarm kit
- 18. Voice thru IR 1& 2
- 19. Light sensor robo kit + Robo kit
- 20. Light dimmer kit
- 21. Traffic light kit
- 22. Running light kit
- 23. Water level indicator kit
- 24. Fire alarm kit
- 25. Street light kit
- 26. Rain alarm kit
- 27. Variable power supply
- 28. Gate alarm kit
- 29. Solar charger kit
- 30. Wireless power transmission
- 31. Metal Detector

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