POOJA’S SCHOOL LEVEL SCIENCE PROJECTS

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# PROJECT LIST 2021

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| ***Simple Projects & Exhibition Projects:***   1. **Simple Wind mill** 2. **Simple water turbine model** 3. **Hydropower House** 4. **Simple Solar house** 5. **Wind energy house** 6. **wind city model** 7. **wind village model**   **08.Wind + Solar energy based house 09.Solar city model**   1. **Solar/wind village** 2. **Solar street light** 3. **Solar village model** 4. **Energy from speed breaker** 5. **Vegetable/Salt battery** 6. **Fire alarm safety house** 7. **Earth quake alarm safety house** 8. **Burglar/Theft Alarm safety house** 9. **Rain alarm safety** 10. **Sound detector safety house** 11. **Automatic Water level controller** 12. **Automatic water level indicator** 13. **Rain water Harvesting** 14. **Automatic street light** 15. **Automatic street light dimmer** 16. **2 in 1 model** 17. **3 in 1 model** 18. **4 in 1 model** 19. **Solar system** 20. **Solar/Lunar Eclipse** 21. **Hand operated generator** 22. **Hand operated generator Glow Bulb** 23. **Accident preventing – Train** 24. **Accident preventing – bus** 25. **Solar Train** 26. **Solar bus** 27. **Automatic light in city houses** 28. **Control home appliances using cell phone** 29. **Control home appliances using W/L remote** | 1. **Automatic Street Light & Sound sensed house lights** 2. **Garden with automatic light** 3. **Garden with solar lights** 4. **Garden with wind mill lights** 5. **House with garden** 6. **Botanical Garden** 7. **House & Garden Solar energy lights** 8. **House & Garden Wind energy lights** 9. **Drip Irrigation Model (Simple/Cellphone ctrl/remote)** 10. **Irrigation (Simple/Cellphone ctrl/ Remote)** 11. **Industry on Solar Energy** 12. **Industry on Wind Energy** 13. **Industry on Green Energy (Wind & Solar)** 14. **Industry waste in village** 15. **Destroy the industry smoke** 16. **School on Green Energy (Solar/Wind)** 17. **School on Green Energy & Safety** 18. **School Fire accident safety** 19. **Office on green energy (Solar/Wind)** 20. **Wireless power transmission Street lights** 21. **Wireless power transmission house**   **lights**   1. **Password based house door opening.** 2. **Avoid one more Tamil Nadu Express accident** 3. **ECO Friendly House** 4. **White Revolution** 5. **Dam working model** 6. **Dam non working model** 7. **Temple models** 8. **Electric Bell model kit** 9. **DC Motor model kit** 10. **Motor model kit** 11. **House door sensitive sound** | 1. **Automatic railway level crossing control** 2. **Hydraulic Lift** 3. **Hydraulic Bridge** 4. **Solar Vehicle**   .\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* .  **Innovative Science Fair Working Models**   1. **Remote controlled robotic ploughing** 2. **Automatic plant watering system.** 3. **Automatic elephant driving system in the agriculture fields.** 4. **Pollution control system for industries** 5. **Saving environment using trees & green energy.** 6. **Earthquake protected house.** 7. **Conservation of electrical energy using energy efficient real time fans &**   **tube lights with automatic inverter-less operation. (With or without solar panel optional).**   1. **Autonomous Hotel waiter robot.** 2. **Cell-phone controlled irrigation automation.** 3. **Automatic street light energy saver**   **automation.**   1. **Green energy by using bullocks.** 2. **Green Energy from Mechanical arrangement of speed breakers.** 3. **Automatic speed slowing down system of vehicles in school areas.** 4. **Windmill cell-phone charger working model** 5. **Solar cell-phone charger working**   **model.**   1. **Domestic Hydro Power generator working model.** 2. **Carbon-dioxide & carbon monoxide pollution control system.** | 1. **SMS switch on/off control for your air conditioner.** 2. **SMS alert of elephants in the field.** 3. **SMS alert for fire & burglary.** 4. **SMS alert system during vehicle accidents.** 5. **Sea border alert system for fisherman.** 6. **Secret password calling bell for housewives.** 7. **LPG gas leak control system using gas valves to prevent gas hazards.** 8. **Camera & password based electromagnetic locker system to identify the burglar.** 9. **Electronic letter box.** 10. **Bomb handling robot with bomb detection.**   .\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*.  **INNOVATIVE (2):**   1. **Modern Agriculture** 2. **Automatic Irrigation System** 3. **Irrigation via Remote** 4. **Irrigation via Mobile phone** 5. **Drip Irrigation model** 6. **Water Turbine power generation**   **and irrigation**   1. **Solar Irrigation** 2. **Motor Principle** 3. **Generator Principle** 4. **Mini Pick n Place robo \* (new)** 5. **Cellphone Controlled Robo\*** 6. **Multi Function Robo\*** 7. **Simple Hover Craft** |

## Communication Projects:

1. **RF based communication( Wireless voice transmission)**
2. **laser or infrared light based communication( Transmission of voice through light)**
3. **RF communication**
4. **TV communication. (Mini wireless TV station)**
5. **Telephone wired communication (Intercom). 06.GSM communication**
6. **Tsunami warning system using wireless**

## Biology projects model:

* 1. **Heart model**
  2. **Eye model**
  3. **Kidney model**
  4. **Brain model**
  5. **Ear model**
  6. **Urinary System**
  7. **Blood Circulation in human body**
  8. **Lungs**
  9. **Plant cell**

# Branded Robotics Kits: (DIY)

* + 1. **Copter Mech**

1. **Line Tracking Mouse**
2. **Solar Bug**
3. **Solar Walking Robo**
4. **Scrab Robo**
5. **Sola robo**
6. **Robo Battle**
7. **Mini bots**
8. **Lady Bug**
9. **Escape**
10. **Space9**
11. **Solar Frog**
12. **Cable Car**
13. **Solar F1 Car**
14. **Climbing Monkey**
15. **6 in 1 kit**
16. **Electromagnetic Kit**
17. **Young Scientist**
18. **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

1. **Titan Tank**
2. **Solar Spider**
3. **Bot Ball**
4. **Solar Astronaut**
5. **Magnet set**
6. **Balloon helicopter**
7. **Balloon car33. Rubber powered airplane**
8. **NEW 6 IN 1 DIY KIT**
9. **7 IN 1 KIT 36.SPY KIT**

## Robotics Projects:

1. **Line Following robot**
2. **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**

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| ***DO IT YOUR SELF KITS:*** | | ***Ready KITS:*** | | |
| **1.** | **Solar kit** | **1.** | **FM Station** | |
| **2. Wind kit** | | **2. Metal Detector** | | |
| **3. Ohms law kit** | | **3. Two digit counter kit** | | |
| **4.** | **Parallel and series kit** | **4.** | **Burglar alarm kit** | |
| **5.** | **Two digit counter kit** | **5.** | **Blind man’s eye kit** | |
| **6.** | **Burglar alarm kit** | **6.** | **Touch alarm kit** | |
| **7.** | **Blind man’s eye kit** | **7.** | **Heart beat sensor kit** | |
| **8.** | **Touch alarm kit** | **8.** | **Temperature ctrl fan kit** | |
| **9.** | **Heart beat sensor kit** | **9.** | **3way gate alarm kit** | |
| **10.Temperature ctrl fan kit** | | **10.** | | **Earth quake alarm kit** |
| **11.3way gate alarm kit** | | **11.** | | **Hearing aid kit** |
| **12.Earth quake alarm kit** | | **12. Gas sensor kit** | | |
| **13.Hearing aid kit** | | **13.** | | **Smoke sensor kit** |
| **14.Gas sensor kit** | | **14.** | | **Multi tone siren kit** |
| **15.Smoke sensor kit** | | **15.** | | **Flasher kit** |
| **16.Multi tone siren kit** | | **16.** | | **Intercom kit** |
| **17.Flasher kit** | | **17.** | | **PIR security alarm kit** |
| **18. Intercom kit** | | **18. Voice thru IR 1& 2** | | |
| **19.PIR security alarm kit** | | **19.** | | **Light sensor robo kit +** |
| **20.Voice thru IR 1& 2** | | **Robo kit** | | |
| **21.Light sensor robo kit +** | | **20.** | | **Light dimmer kit** |
| **21.Robo kit** | | **21.** | | **Traffic light kit** |
| **22.Light dimmer kit** | | **22.** | | **Running light kit** |
| **23.Traffic light kit** | | **23.** | | **Water level indicator kit** |
| **24.Running light kit** | | **24.** | | **Fire alarm kit** |
| **25.Water level indicator** | | **25.** | | **Street light kit** |
| **kit 26.Fire alarm kit** | | **26.** | | **Rain alarm kit** |
| **27.Street light kit 28.Rain** | | **27.** | | **Variable power supply** |
| **alarm kit 29.Variable** | | **28.** | | **Gate alarm kit** |
| **power supply 30.Gate** | | **29.** | | **Solar charger kit** |
| **alarm kit 31.Solar** | | **30. Wireless power transmission** | | |
| **charger kit** | | **31. Metal Detector** | | |
| **32. Solar Sound Kit** | | **.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*.** | | |

1. **Hi –WIND KIT**
2. **Hi-Solar Sound Kit**
3. **Super Solar Fan Kit**
4. **Air(Wind) Sound & Light Kit**

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