



S.G. SRINIVAS



Children learn to cycle or play ball games by doing, not by reading about these activities. While reading helps children learn techniques discovered by others, putting them into practice is what makes them ready for the real world. **S.G. Srinivas** ([www.ScientificStudents.com](http://www.ScientificStudents.com)) who is awarded the best mentor in **TANA Global Science Fair 2013**, offers one such hands-on activity: Circuits Lab that includes review of Electricity & Electronics fundamentals and building two or more useful circuits using physical components.

<https://www.facebook.com/srinivas.circuitlab>

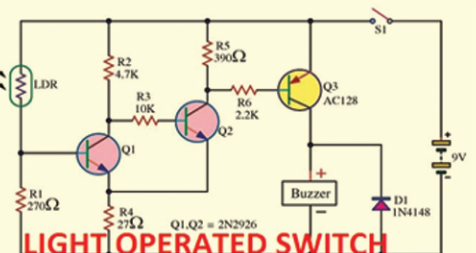
For the motivated students who want to learn more and do more, he offers guidance over email / phone and provides 100s of more circuit ideas and suggest what kits & components to buy for their own projects.



Schools may sign up for a workshop/ year long program to increase exposure of students by allowing them to do hands-on experiments using real components



One of the expected outcome from this children circuitlab - students would not only learn how to build electronic circuits but also work on designing a practical project using one of the circuits. Based on the originality of thought and application this new project could even be presented in science fairs.



✓ For Science Fair Projects from Children Circuit Lab you may please refer... p.t.o.



**CIRCUIT LAB** do more science

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## OUR SUGGESTED PROJECTS

Light Activated Switch  
Water Level Indicator  
Sound Activated Switch  
Power Finder  
Mini Organ  
10Watts Power Amplifier  
Heart Beat Monitor  
IR Remote Circuit for Fan /  
Lights using Regular TV remote.  
Touch Plate  
Cell Ringer  
Noise Meter  
Million Gain  
Strength Meter  
Micro Phone Pre Amplifier  
Mini Traffic Signal Light  
Mobile Charger  
Quality FM Transmitter  
Touch Switch  
Earth Fault Indicator  
Line powered two tone ringer  
D.C FAN Speed Regulator  
Bicycle Alarm  
Simple low power Inverter  
Hybrid Solar Charger  
No Current Alarm  
Contact less Telephone Ringer  
DC Regulator  
Dog Caller  
Heat Controller  
Home Appliance control using Telephone  
Intruder Detector using Laser Torch  
Light Operated Door Bell  
Live Finder  
Mobile Sniffer  
Radiation Sensor  
Remote Control for Home Appliances  
Remote Control Using Wireless Doorbell  
Sensitive LPG Leakage Alarm  
Sensitive Temperature Switch  
simple Smoke Detector  
Speed Control for DC Motor  
Touch Switch  
Wire Break Alarm with Delay  
Automatic Wash Basin Mirror Lamp controller  
Cell phone Based Remote Controller for  
Water Pump  
Curtain Opener  
Freezer Monitor Alarm  
IR Controlled water Supply  
mains Box Heat Monitor  
Over Speed Indicator  
Solar Tracker  
Window Charger  
Audible IR Proximity Detector  
Time Delay Circuit with stabilizer  
Flying Flag  
Ambulance Lighting  
Power Inverter  
Magnetic Read Switch  
Electronic Ballast  
Solar Charge Control Unit  
Solar Inverter  
F.M Transmitter  
Solar F.M. Radio station  
Automatic 108 Calling System for High way  
Accidents  
Volvo Bus Fire Accidents Preventing System  
Alcohol Detector with Alarm  
Wind charger  
PIR Moment Detector  
Water purity Indicator  
Solar based Low cost Amplifier for Schools,  
Colleges  
Automatic Exhaust Fan Control Coupled To  
Gas Leak detection  
5-Band graphic Equalizer  
Intelligent power saving bulb



➡ (These kits are available for purchase separately based on student's interest level)