List of Projects

Learning is Fun for Arduino

1. Design an Intelligent Signal controller using Ultrasonic Sensor
2. Design a Block of 3x3 matrix using LED
3. Design a Line Follower Robot
4. Design obstacle detection circuit using Ultrasonic Sensor
5. Design a Temperature Display using Heat Sensor
6. Design a Water Leveler
7. Design an Intrusion Detection Circuit using PIR senor
8. Design a counter using PIR sensor
9. Design LED control circuit using PIR sensor
10. Design a real time GPS based location identifier
11. Design a clock circuit using 4x2 LCD
12. Design a brick game using 4x2 LCD

For help and codes that you need to modify available on instructables.com and Sparkfun.com etc

Instruction: Submit a A4 Arial 14<heading>, 12<body> report to do submit online at [asimali@buaa.edu.cn](mailto:asimali@buaa.edu.cn). Please bring you hardware on last class.