

## Explore Engineering benefits students in 4 areas

### Academics

For our students learning Maths and Physics becomes more relevant and thus more fun.

We give our students a solid foundation in Physics! Our students perform activities and experiments to understand the Physics, Engineering & Design in everyday products.

In Maths our students study problem solving strategies in maths, work with algebraic equations, exponents, make geometrical constructions, analyze data, programmatically answer questions on prime numbers, series ....etc

They develop study skills, learn and practice "reading technique - SQ3R".

### Life Skills

Our students hone their:

**Thinking Skills** - Creative thinking, Logical reasoning, Analysis, & Problem solving.

**Soft Skills** - Presentation, Communication, Team work, Goal Setting and Time Management.

### Basics of Engineering, Design and IT

Our students develop an understanding of:

- What engineering is, what engineers do, and the process of engineering design.
- Skills and Concepts central to engineering e.g. System, Modeling, Constraints, Optimization, Side effects.
- Interdisciplinary nature of engineering projects.
- Human centered design.
- Necessity of mathematical and logical thinking.

### Shaping their career choices

Students get exposed to:

- Various career paths in the field of Engineering
- Selection process in Design Schools like NID, MIT School of design

They understand what it takes to be a good engineer/designer/ IT professional

# Protean Knowledge Solutions

Protean Knowledge Solutions is an organization promoted by highly qualified and experienced professionals that offers innovative learning solutions for students.

Realizing the benefits of introducing early teenagers to Engineering, for **the first time in India**, they have launched a program "Explore Engineering". Explore Engineering is designed by engineers from IITs and other institutes of repute.

In this, students undergo a systematic exposure to various fields of Engineering and the process of Engineering Design through engaging, "Hands-On-Heads-On", activities set in the context of real world scenarios.

In the process, students develop host of new skills which go far beyond mere academic learning.

**Please call today for an appointment.  
We shall be happy to discuss how we  
can help shape your child's future.**

**Meet Us**

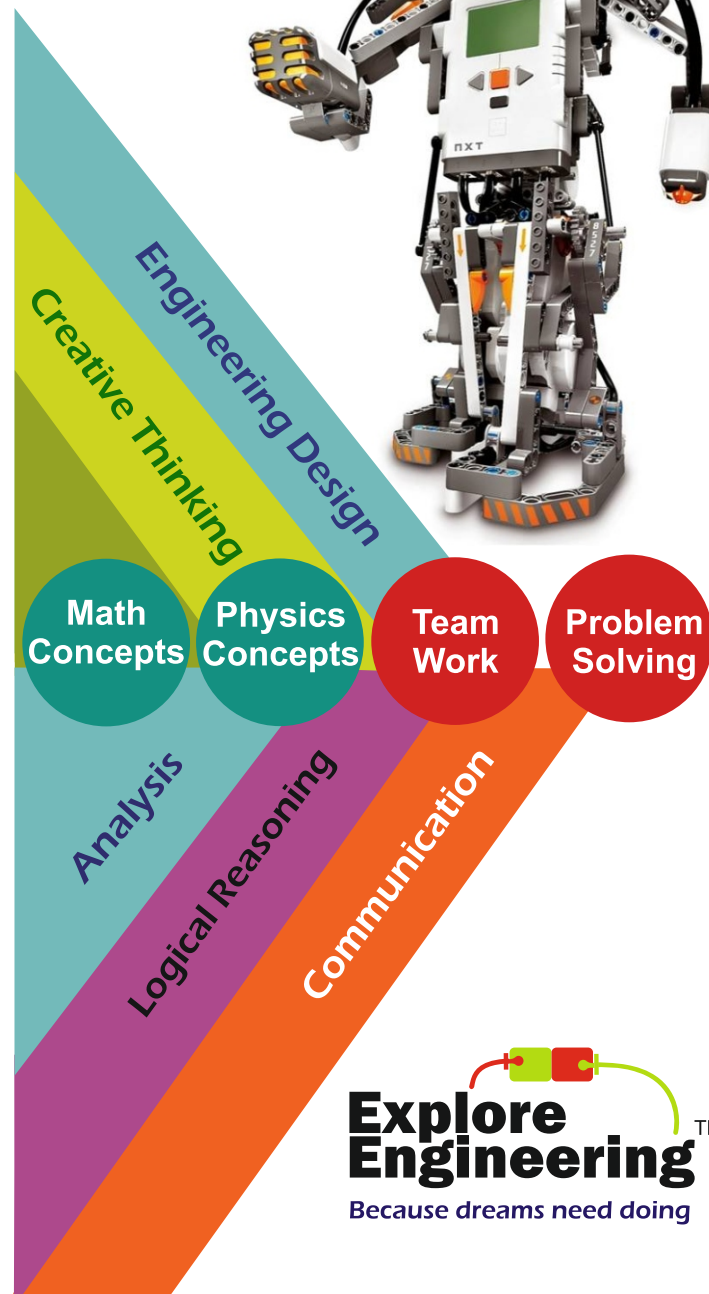
**Protean Knowledge Solutions**  
B204, Satyam Industrial Estate,  
Erandwane, Pune 411038.

**Call  
Today**

**Cell: 9422320468, 7588230496**  
**[www.proteanknowledgesolutions.com](http://www.proteanknowledgesolutions.com)**

Mindstorms® is a trademark of the Lego group

**"Explore Engineering" Excites, Enriches, and  
Motivates students for a great future !**



**Explore  
Engineering**™  
Because dreams need doing

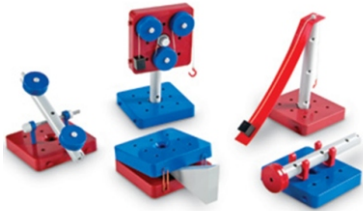
# Catch Them Young! "Explore Engineering" Program:

Call

Us

Today

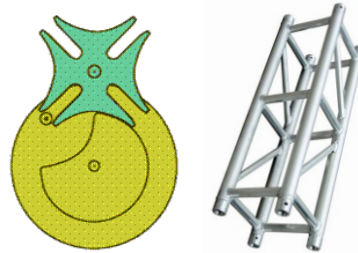
## Simple Machines



## Science of Measurement



## Mechanisms and Structures



## Engineering Drawing

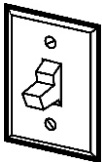


**We do  
60+ activities**

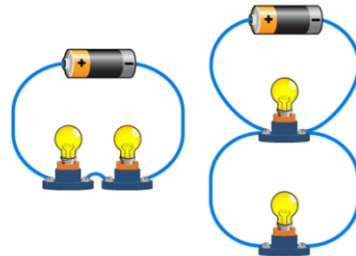
Mechanical

Electrical

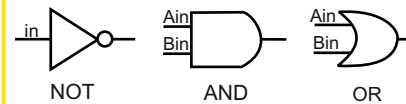
## Product dissection to understand relevant Physics, Engineering and Design.



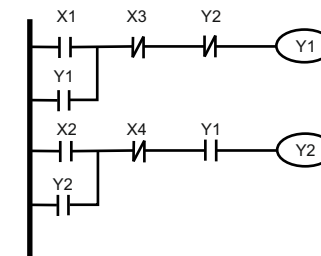
## Circuits



## Logic Development



## Control System Design



Electronics

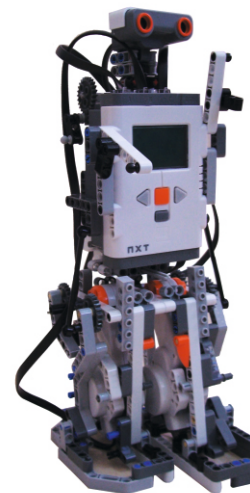
Control

## Python Programming



**"SMART" Goal Setting**  
**Study Skills**  
**Time Management**

## Robotics with Lego Mindstorms®



Computing

Robotics

## Program schedule and other details

**Duration of a session:** 3 Hour

**Eligibility :** 8th to 10th Std.

**Batch Size :** Maximum 10 students per batch

**Number of sessions :** 10 per Module and 27 for Regular Program

**Program Frequency:** One session per week for Regular Program. The batches start in July.

Three sessions per week for Summer Modules. The batches start in April and May.

**Enroll Now**

**Explore  
Engineering**™  
Because dreams need doing

**We cover them all  
and some more !**