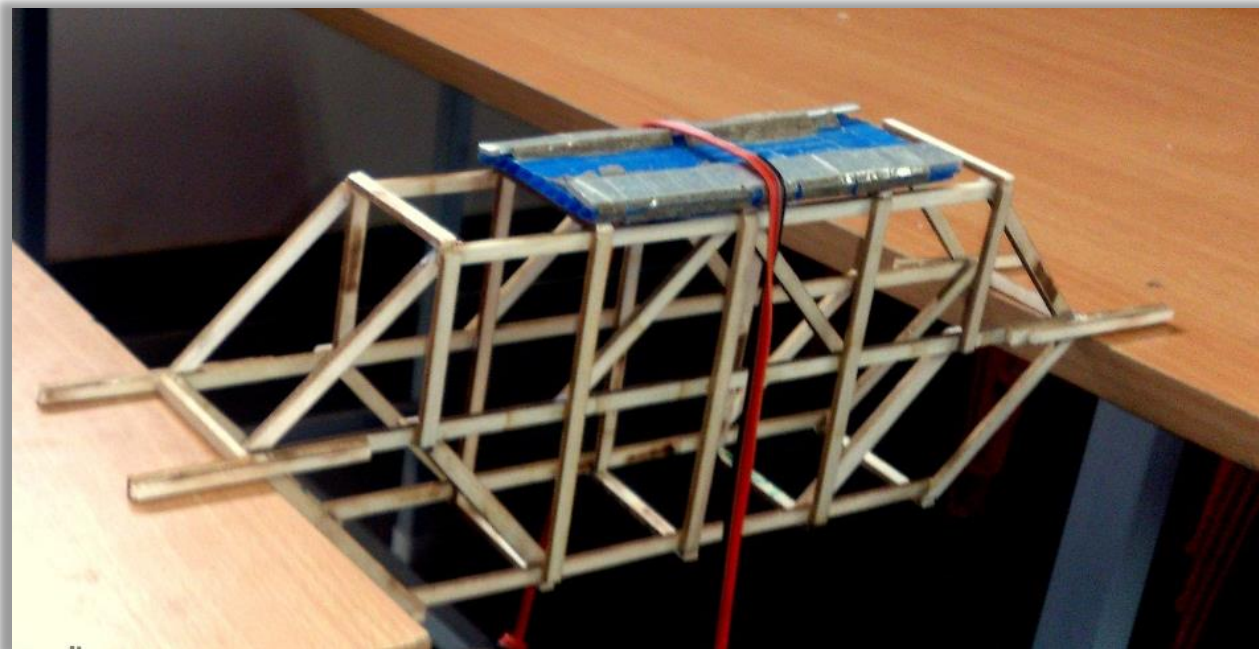


• **India's Biggest Civil Champonship** •

Hunt for India's Best Civil Designer By
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ARK TECHNOSOLUTIONS
PRESENTS

INDIA'S BIGGEST BRIDGE CHAMPIONSHIP
2015



“NEW TECHNOLOGY IS COMMON BUT NEW THINKING IS RARE

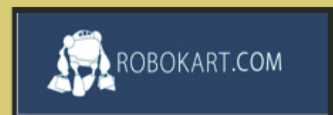
BRIDGE DESIGN TRAINING
MAJOR HIGHLIGHTS:

- ✓ Design, Fabricate and Test a model bridge

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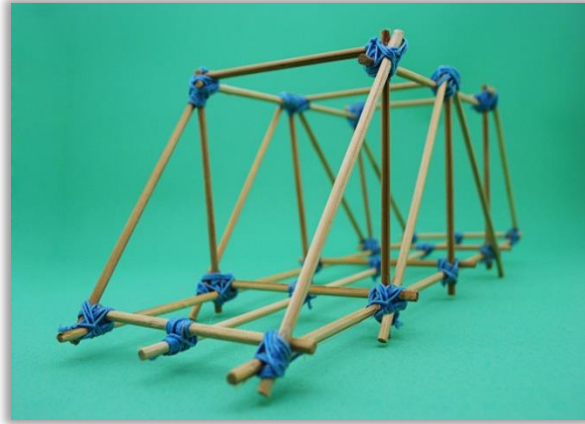
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- ✓ Build a bridge that can support the load up to 1000 times its own weight



Bridge Design is one of the oldest topics of Civil Engineering. You will be introduced to various types of bridges and moving loads. This Training gives you a unique opportunity to experience a hands-on feel of a Civil Engineering project. Participants will design and fabricate their own bridge and test for the maximum load. The bridge model made by them can take up to 1000 times the self weight.

HIGHLIGHTS OF TRAINING

- ✓ Introduction to Bridge Design through interactive lecture sessions with good multimedia content
- ✓ Hands-on practical session on CAD based Bridge Design, Fabrication and Testing
- ✓ Bridge model is self-fabricated and tested model by each team
- ✓ Exposure to current industry methods used in bridge design
- ✓ Discussion about implementing the knowledge gained to develop good B.Tech/M.Tech Project
- ✓ Interview tips to face interviews with confidence
- ✓ Career guidance & Counseling.

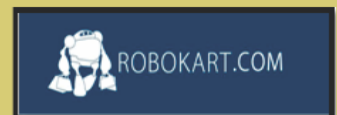
TRAINING STRUCTURE

This Training is split into 3 modules

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- ✓ **Lecture & Analysis** : Participants would be taught various concepts involved in 'Bridge Design' and are made to perform CAD based analysis of their respective bridges
- ✓ **Fabrication**: Each team will fabricate their own bridge according to their design with the raw material provided by us
- ✓ **Testing**: This session is the most interesting part of this Training where the participant's bridge is tested for maximum load to judge the maximum efficiency of the bridge. Teams with maximum efficiency will be given Best Design Award

CERTIFICATION

- ✓ Top performers in the Training will be awarded merit certificates

COURSE CONTENT

- ✓ Different types of bridges existing
- ✓ Structural Response of bridges to different types of moving loads
- ✓ Load calculation in various truss using CAD model
- ✓ Fabrication of the bridge and testing for the maximum load taken to measure efficiency
- ✓ Case studies for better understanding of Bridge Design concepts
- ✓ Modeling/analysis of sample bridges
- ✓ Bridge design issues arising during practical sessions
- ✓ Live demonstration and examples of Bridge Design

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