

AGENDA OF WORKSHOP

DAY 1

Before all students come, we will distribute the CAD based software for time being

TIME	ACTIVITY
10.00AM to 11.00AM	<ul style="list-style-type: none">• Introduction about bridge• Parts of bridge• Types of bridges
11.00AM to 1.00PM	<ul style="list-style-type: none">• Study Truss Bridge in detail• Study types of trusses in detail
1.00PM to 1.30PM	Recess
1.30PM to 3.00PM	<ul style="list-style-type: none">• Case study of Extraordinary bridges in the world
3.00PM to 5.30PM	<ul style="list-style-type: none">• Software demonstration• Giving ideas cum suggestions of designing

Homework will be to practice the software and come next day with at least 5-6 bridge designs. We will approve 1 of them.

DAY 2

TIME	ACTIVITY
10.00AM to 11.00AM	<ul style="list-style-type: none">• Checking of all the designs of every team• We will approve only 1 which we feel awesome
11.00AM to 3.00PM	<ul style="list-style-type: none">• Bridge fabrication
1.00PM to 4.00PM	<ul style="list-style-type: none">• Testing of bridges
4.00PM to 5.00PM	<ul style="list-style-type: none">• Awards and certificates distribution

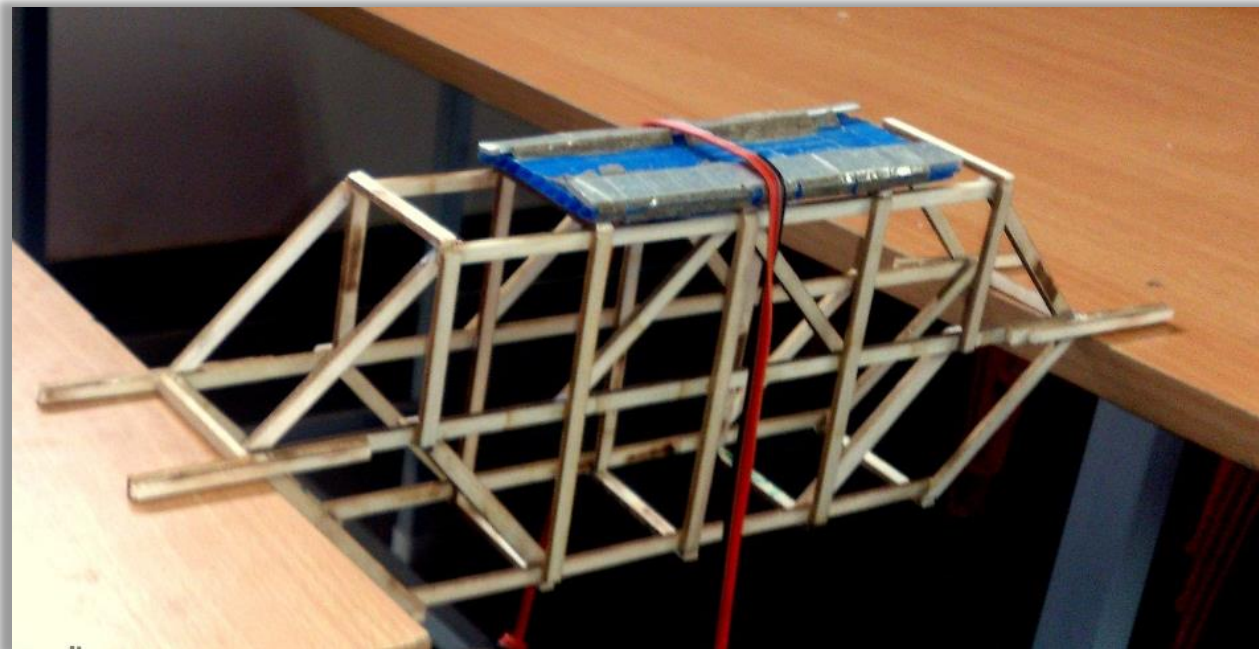
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ARK TECHNOSOLUTIONS

PRESENTS

INDIA'S BIGGEST BRIDGE CHAMPIONSHIP 2015



“NEW TECHNOLOGY IS COMMON BUT NEW THINKING IS RARE

BRIDGE DESIGN TRAINING

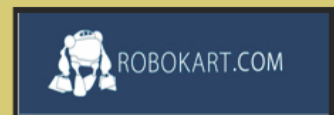
MAJOR HIGHLIGHTS:

- ✓ Design, Fabricate and Test a model bridge

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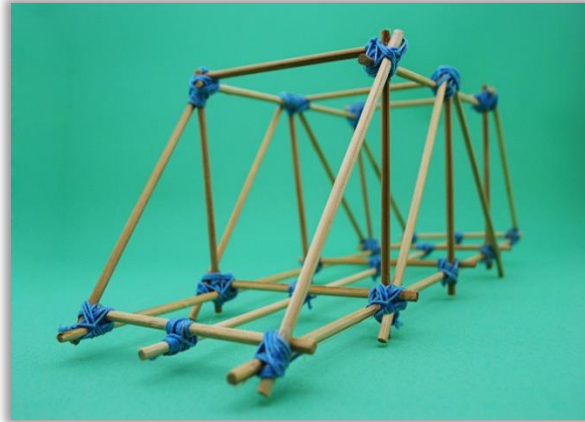
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- ✓ Build a bridge that can support the load up to 1000 times its own weight



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.

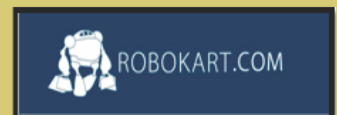
HIGHLIGHTS OF TRAINING

- ✓ 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.

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TRAINING STRUCTURE

This Training is split into 3 modules

- ✓ **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

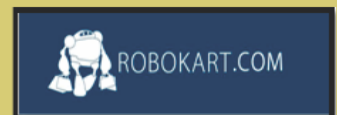
COURSE CONTENT

- ✓ 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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Sub: India's Biggest Civil Championship by ARK Technosolutions in association with ARK Technosolutions

Respected Associate,

On behalf of **ARK Technosolution , Indian Institute of Technology - Bombay** as the host of this championship, it gives us great pleasure to introduce IBCC 2015, A National Civil Bridge Championship to be held in March 2015. ARK Technosolutions is sponsored & funded by award winning company & India's leaders in robotics education company, ARK Technosolutions - Mumbai. IBCC 2015 will bring students from all over the country together to participate in the celebration of knowledge and creative extravagance along with experts from the fields of academic as well as industry. It hosts various challenging events based on Civil Development, Model Exhibition, Astronomy, Robotics, general awareness and many more. With technological innovation scaling new heights, IBCC 2015 promises to keep a tab on the advancements and stay in sync with the mood of the times. With the introduction of several new events, and old ones remodeled, IBCC 2015, is all set to create a new benchmark.

This year we are organizing IBCC 2015 a **India's Biggest Civil Championship** in association with our partner **Official Training Partner ARK Technosolutions - Mumbai**. We are organizing Event Rounds of IBCC 2015 in total 100 Colleges all across India. We are looking to make your esteemed college as an Event Center for this event.

For any further details in this regards

Please find the details of the same in overleaf, and provide us the permission to make your college an event center of IBCC 2015. (www.nrc-india.org)

Thanks and Regards,

Mubashira Shaikh
Head Manager, IBCC 2015
08424040223

Mr.Ritesh Shah
Director
IBCC 2015

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IBCC India 2013 Finale Images: (MID-DAY Full Page Coverage of Finale at IIT Bombay)

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Ready for a Robo-fix?

Although it's too early to celebrate, but robotics is increasingly becoming a part of the Indian mainstream education system. **ARK Technosolutions** is the best company to provide Robotics & Android Training in India, here the proof what IIT Bombay witness on APRIL 13 2013 - a Final of NRC India

April 11, 2013
MUMBAI

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Hassan M Kamal

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From a time when robotics competitions seemed like a far-fetched dream, to have not just one but over a dozen robotics competitions organised throughout the year, things seem to be looking better for the engineering students in India. One of the many competitions is the Nation Robotics Championship (NRC), whose grand finale is all set to take place in IIT Bombay on April 13.

IBCC- 2013 India Finale Winner from RIT Solapur



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Chief Guests of NRC India 2013 Finale IIT Bombay

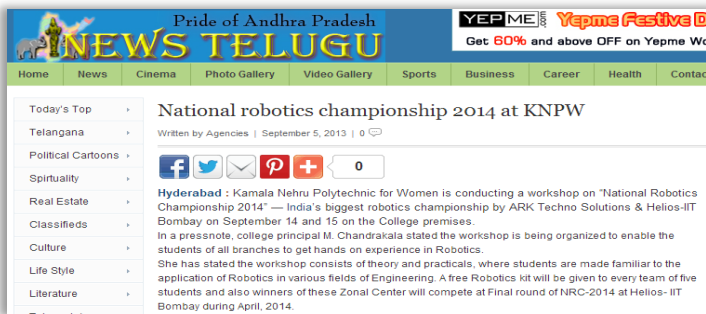
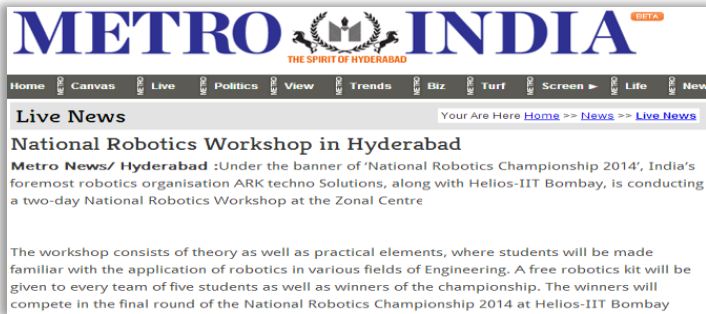


L&T Training Head: Prof. Damahe Sir



VP, Accenture India: Mr. Vagish Dwivedi

NRC India being covered by India's Biggest News Channels and News-papers

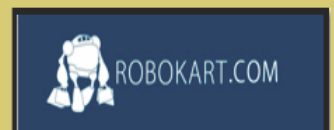


Competition Images at IIT Bombay campus.

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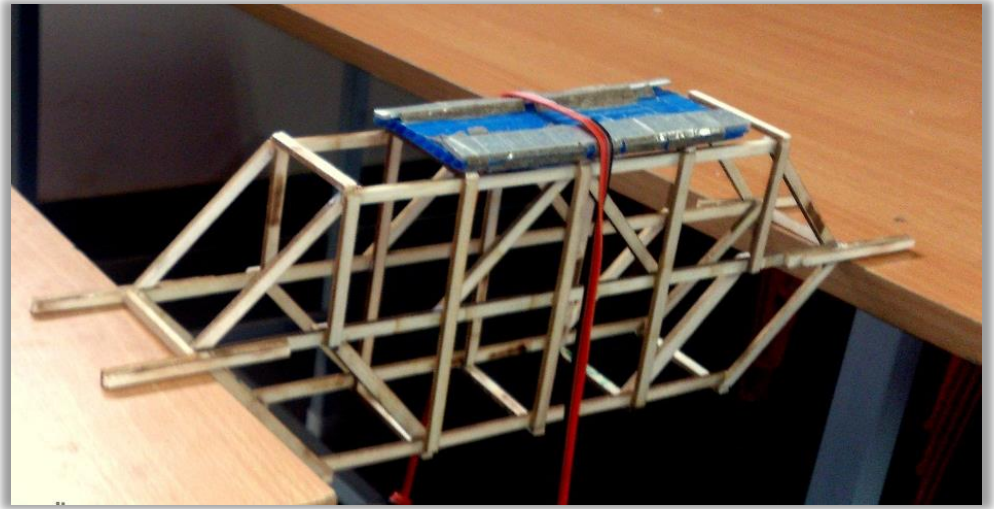


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NRC- 2014 India Finale Winners



1st Winner from Thakur Polytechnic College, Mumbai

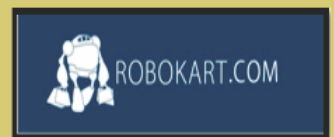


2nd Winner from Dr. N P Hirani polytechnic, Pusad

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3rd Winner from Nowrosjee Wadia College of Arts & Science College, Pune

It witnessed Valuable Presence of Chief Guest-

- 1) Mr. Prakash Apte - Faculty of Electronics Department IIT Bombay- He made the 1st Integrated Circuit in India.**
- 2) Mr. ShitalKumar Rawandale- TPO of Pimpri Chinchwad College Of Engineering, Pune.**

Event Details

IBCC 2015 is a India's Biggest Civil Championship and Workshop series Jointed by Zephyr, IIT - Bombay, and ARK Technosolutions - Mumbai. This Year Prelims Rounds of IBCC 2015 will be held at 100 Event Centers all across India. This is a 3 Stage Event as detailed below:

Stage 1 (WORKSHOP ROUND to be held at Event Centers):

1. IBCC will be held at 100 Event centers all across India & Abroad. The details of the Event centers and Workshop contents will be available on website.
2. All the participants who want to participate in IBCC 2015 are required to attend the workshops at any Event Center.
3. The workshop fee is included in the Registration Charges.
4. The Duration of the Civil Bridge Design will be of 2 Days (7-8 hr Each day).
5. The Workshop will be delivered by ARK Technosolutions - Mumbai.

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Stage 2 (EVENT ROUND to be held at Event center):

1. Just after the workshop a Mega Competition (Prelims Rounds) of IBCC 2015 will be held.
2. **EVENT WINNERS**
0-15 TEAMS- 1 TEAM WILL BE THE WINNER
15-25 TEAMS- 2 TEAMS WILL BE THE WINNER
25 AND ABOVE TEAMS- 3 TEAMS WILL BE THE WINNER
3. Winners will be awarded Certificate of Merit, and are required to participate in Final Rounds which will be held in the month of MAR - APR 2015 at IIT - Bombay in association with ZEPHYR, IIT Bombay.

Stage 3 (FINAL ROUND to be held at IIT Bombay):

1. Winners of 100 Event Centers are required to participate in the Final Round of IBCC 2015 in the month of March-April 2015 at IIT - Bombay in association with ZEPHYR, IIT Bombay.
2. Winner of this Final Round will win **The IBCC 2015 Championship** and will be awarded and honored by, **IIT - Bombay with cash prize worth Rs. 40,000.**
3. *A Certificate of Excellence will also be awarded to the Winning Team.*
4. *Winners medals to top 3 teams.*
5. *Free National Level Summer Internship Training 2015 to the Winning Team.*
6. *Special gifts and goodies to the winner of IBCC 2015...*

Process guidelines

1. We want your association to make this IBCC 2015 a big success in your college.
2. A proper publicity will be done about the event at the All India Level.
3. Date of event final can be finalized by telephonic conversation with Coordinators of IBCC 2015, and ARK Technosolutions, according to the College feasibility and slots available in our calendar.
4. The entire event will be conducted at college campus.
5. Each student participating in the workshop will get a participation certificate.

Benefits of associating with us...

1. Name and Logo including website link will be published on our official website mentioning that "You are our Official Event Partner".
2. Authorized Team will visit your College to organize the entire event.
3. Chance to get associated with nationally acclaimed engineering Institute of India.
4. Posters will be sent to you for effective regional publicity.
5. All India publicity through SMS will also be done.
6. **Be one of the only 100 engineering institute to be a part of IBCC 2015 as a part of workshop learning in India & abroad**

Key Benefit

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We will be providing the students' knowledge in the field of Civil Bridge Design by showing them live bridge making software and promote them to get participates in national level event.

Requirements

1. Seminar hall/classroom having the enough capacity to conduct hands-on-session for all participants. Good Quality public address system ideally two cordless mikes will be required. Projector/ Screen along with black/white board for teaching and presentation purposes.
2. One small stereo jack cord to connect in laptop for its sound system.
3. **This Event centre can only be arranged for a minimum of 100 -120 students.**

Workshop Highlights (1 Rounds of IBCC 2015)

1. Receive an unparalleled education from ARK Technosolutions - Mumbai with personal one-on-one attention.
2. Learn and interact with one of the respected authorities.
3. ARK Technosolutions certification programs are recognized in the industry.
4. Improve your job prospects and get an edge over your counterparts.
5. Interactive Query sessions, Live Demos, PowerPoint Presentation.
6. Free Robotics Kit to every team of 5 students

Certification Policy

1. Certificate of Participation from ARK Technosolutions and Zephyr, IIT - Bombay, to each participant
2. Certificate of Coordination from ARK Technosolutions and Zephyr, IIT - Bombay, for all of the coordinators
3. Event Winners will participate in direct Final Rounds at IIT Bombay.

Eligibility Criteria

All engineering, Science, BSC, MSC, BCA, MCA, MBA, PhD students and hobbyist of Civil stream can attend this event, as real estate has become the backbone of all the industry needs.

Responsibility of an Organizer

1. Accommodation and Hospitality (2 days) for a team of 3-4 members.
2. Pick and Drop facility from the nearest airport.

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Registration charges

1. **Registration Charges are Rs.900/- per participant of COEP and Rs. 1500/- for other participants.**
2. The fee includes workshop training, certification, and Event registration and material to design and create one bridge (balsa wood and other accessories)
3. **There is no financial burden to college we don't expect any money from college as we will be charging students directly as mentioned above.**

When to plan NRC 2014 event

1. Any two day between 1st July 2014 to 31st March 2015 in your esteemed organization

Thank You!!!!!!

We ensure that you will find our initiative extremely beneficial for your students. If you have any queries kindly get back to us. We are looking forward to a quick and positive response from you and a long term association with your esteemed organization.

Mubashira Shaikh

Head Manager

IBCC 2015

08424040223 / 022 6550 7630

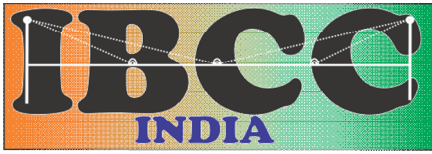
arknrcindia@gmail.com

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INDIA'S BIGGEST CIVIL CHAMPIONSHIP 2015

In association with

College Of Engineering ,Pune

Registration ID:..... Group ID:..... Date:

Name of the Participant :

Name of College:.....

Year/ Semester: Branch:

E-mail :

Contact No.:

Mode of Payment: Cash

Participant's Signature

Authorized Signature

INDIA'S BIGGEST CIVIL CHAMPIONSHIP 2015

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Registration ID :..... Group ID :..... Date:

Name of the Participant :

Name of College :

Mode of Payment: Cash

Authorized Signature



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INDIA'S BIGGEST CIVIL CHAMPIONSHIP in association with ARK Technosolutions & Helios IIT Bombay

ATTRACTIONS

- *Learn principle of Bridge Design
- *Design and Fabricate your own bridge
- *Test your Bridge for maximum load

MAJOR ATTRACTIONS

- *Learn to create your bridge from scratch
- *Represent yourself at IIT Bombay for India's Biggest Civil Bridge Design Contest

EVENT DETAILS

Registration Fees : Rs.900/- per student

Stage 1 - Workshop cum Championship
on Bridge building at COEP Campus

Stage 2 - Winners of Stage 1 will
represent your College at IIT-Bombay



CERTIFICATION & PRIZE

Internationally Recognized
Certificate of Participation from
Helios IIT Bombay &
ARK Technosolutions

***Prize Worth Rs.1,00,000/-**

TO REGISTER

Staff Co-ordiantors : Dr. Suhasini Madhekar - 098223 25683

Dr. I. P. Sonar - 098902 72905

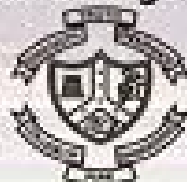
Student Co-ordiantors : Tanay Bagde - 09421009870

Purva Joshi - 09404032303



Dates : 13th - 14th February 2015

**Venue : College of Engineering ,Pune
Dept of Civil Engineering**



Contact us : 08424040223/022-65507630

Email Us : arknrcindia@gmail.com

Visit us : www.arktechnosolutions.com