



ηvision



# ηvision 2012

The quest for knowledge is never-ending. Starting from the stone age the mankind has travelled through several phases to stand where it is today. The age of information has arrived. If there has been anything unchanged through these ages it is just the quest for change in itself. Inventions and discoveries are the order of the day. And they were never needed as badly as in today's world ever in the history of mankind. Be it competitive business scenario or the dangers of global catastrophe or simply making life on this planet equitably better. Technological inventions are a major part of the solution to all these challenges. It is with this in mind we at Indian Institute of Technology - Hyderabad present the second edition of our technical fest - ηvision 2012.

Within 5 years of its inception the Sci-tech Council of IIT-Hyderabad boasts of 7 active clubs that promote the motto - "(IIT) INSPIRE INNOVATE TRANSFORM". Through lecture series, workshops and projects, the clubs have succeeded in creating a vibrant culture and intellectual atmosphere that promotes innovative thinking among the students.



With more than 25 events held with overwhelming participation from the students, just in its first year ADVAYA 2011 was a grand success. If Advaya 2011 was a success, then we promise ηvision 2012 won't be anything short of historic. Boasting a wide array of events with demanding problem statements and enthusiastic participation assured from among the top brains of our nation(if not the globe), the solutions would be nothing less than extraordinary and exhibit out of box thinking.

## Envisioning a brighter future



# Why Sponsor ηvision

With ηvision being an intra-college fest though the publicity will be less in numbers it will be better in terms of specific interaction and marketing as the target group is the one on which more than 60% of the products in today's world are targeted at.


The sponsors' name and logo will be displayed prominently in our website and facebook page, and posters will also be displayed in our hostel/college campus providing maximum publicity. With some events also having during-the-event publicity option, the cake has just got its icing.

The sponsoring of ηvision will go a long way in developing a good PR value among the students who could be among the biggest users of your technologies in the not-so-distant future.

The sponsors can also opt for an interactive session with the students, to present their program or product, in return for their sponsorship.

With the best sort of testing mechanism in place, practically testing the engineers by their ability to come up with a solution for an industry relevant challenge, this could be the best opportunity to spot talented interns

This could also pave the way for establishing long-term relationship (collaboration) with our talent hubs (clubs) on projects that could be mutually beneficial.



At the end of the day, we would like everyone to accept and believe the fact that sponsoring ηvision is not so much a thing of money as it is about encouraging the next generation of engineers to come up with solutions to some of the most challenging questions in today's ever-evolving world.



# Robotics

The Robotics club is one of the most active clubs at IITH. With overwhelming participation shown by the students in its activities, the club has been making rapid strides ever since its inception. Successes in national level technical fests have established the quality of talent present in this domain. Various workshops arranged by the club have served in developing advanced knowledge in the related fields among the students. The club has been working on a mass project since the beginning of this year with teams focusing on various domains like communication, bio-robotics, multiple mobility possibility, etc. The robotics club has the vision and is willing to work in collaboration with any organization in utilizing the knowledge and financial resources to attain a better future for humanity.



## Arcade Run:

Simple autonomous line-follower bots are a thing of bygone era. Instead, it is time for bots to sync up in performance with humans. Action like nowhere seen is promised as bots and humans scramble together to find the shortest path in the shortest time. The sponsors' name and logo will be displayed on the arena so that no eyes miss them. What else is needed? An interesting event to kindle enthusiastic participation guaranteeing brand visibility is here.

## Robo Soccer:

Mix technology with entertainment and what do you get? The perfect recipe for success. This event has been touted as the biggest crowd-puller of this edition and huge prizes are only icing the cake. No matter who wins or loses ultimately, sponsors are bound get what they want: Brand visibility like nowhere else. The best event to latch on for sponsors



# Desire, Design and Develop

# Kludge



## Website vulnerability:

Performing weakness analysis is the first step in launching any cyber-attack as well as securing from one. Here we do just that. The contestants will be given a website with many vulnerabilities and they have to identify them. This is the playground of cyber-security professionals and any one interested to this field would not want to miss it.

## Got-root:

This is the waterloo for tunnelers, backdoorers and meta-exploiters. With contestants scrambling to remotely control the root system, the best one is bound to walk away with the trophy. This is the place we would advise you not to miss if you hope to find interns in the field of ethical hacking.



We are the white hat hacking community of IIT-H. We go by the saying "If you can't penetrate it, you can't secure it". We troll the internet, find the sites with loopholes and report it to the vendor. We have our ethics and our motives are solely educative. Rootkit, tunneling, Backdooring, SQL injection and what not, name it and we know it. Our team is ready to assist and collaborate with anyone sharing our be-

Ethical, aggressive and educative

# Infero

Yeah, we are the programming zombies of IIT-H. We are a nerdy group of intelligent people who believe in revolutionizing the art of problem solving using logical reasoning and computer science. And to anyone who believes in our cause and wants to contribute in any way, our doors are open forever.



## Bug-De:

The saying goes pointing the mistakes is easy. Is it? This event tests the participants' deeper understanding of programming languages where they have to debug the given program to make it work under every circumstance. Believe us, it is not as simple as it looks and we promise high quality action here as well. Best place to spot the interns if you would ask us.



## App development:

App is the buzzword of this decade so far. Android and chrome have revolutionized the way we looked at mobile application development. With the success of Instagram and pinterest the app-call has only got bigger. So we decided to have our own app development event where participants' apps will be uploaded on web and the one with highest number of downloads wins. Not to forget that the sponsors' publicity will reach farther than just our campus into the world of web.

# Geeky, fuzzy and discrete



### Automobile quiz:

Quizzes are those sorts of events which attract highest participation anytime, anywhere. So how could there be a technical fest without a quiz. And this time it only got bigger with torque jumping into the quizzing bandwagon and participation is expected to break the roofs. An event to catch for all sponsors for good publicity.



## Torque



### Robot wars:

Thought some action was missing? Here comes our very own clashing of metals, real steal hardened bots firing salvos at their counterparts. No one can afford to stay unawares of this event. So sponsoring this could be a masterstroke to get eyeballs watching. What else with the sponsors' name and logo written on the arena of our own Kurukshetra.

### Car sketching:

This one is for the light-hearted, artistic participants. An event to kindle modeling instincts of the participants, only without wasting natural resources. An event to look forward to sponsor for companies in the field of solid, 3D modeling and simulations.



Torque is the automobile club of IIT-H. The idea behind Torque is to provide hands-on practical engineering knowledge to the students. Torque has been one of the most active clubs at IITH. With automobiles being the area of interest for a whole lot of mechanical as well non-mechanical engineering students, the club has succeeded in garnering a lot of attention in the past year. With the ambitious goal of building the next generation automobiles that offer better user interface, environmental sustainability, accidental damage prevention, cost effectiveness coupled with durability, Torque has embarked on a path-breaking journey. In the course of this journey Torque would like to welcome into its fold, organizations that can offer technical expertise and generous financial support.

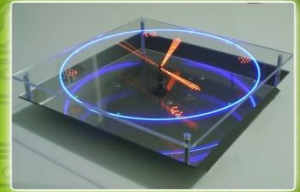
# Setting the tracks on Fire

# Elektronika

From the days of vacuum tubes, to diodes, to transistors, the field of electronics has been the trend-setter for the global technological revolution and will continue to be the same at-least for decades to follow. Elektronika has been established with the motive of converting the process of learning electronics into a fun-filled interesting one which will ultimately lead to discoveries and the next generation of intelligent systems making their way out of the club rooms instead of coffins of libraries and laboratories. We believe that the field of electronics has much more to offer to this world and we are in the journey to realize this dream.

## Propeller clock design:

Optical illusion at its best. That is what it is. This lends space to test the participants' creativity in addition to their electronics knowledge. A sure shot way to produce the best results for an engineer. Keep an eye out for the emerging talents.



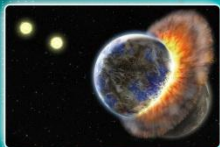
## Electronic Bloopers:

Neither theoretical knowledge makes engineers complete, nor can practical knowledge be imparted without sound theoretical fundamentals. So here we present a unique combination of rounds in this event, with a theoretical quiz being followed by a practical round where the contestants have to find faults and rectify the given circuit. Maybe this could be the exam system in the years to come.

## Circuit Design

# Harbinger of Technological Revolution





### Celestial Inquisition:

Thought the events were only for aspiring builders? Here comes the battleground of the IQ freaks as the art of logical reasoning is taken to new heights. Varying from black holes to time travel and even neutrinos travelling faster than light, the topics covered in the event are bound to interest even the most zeal less person on Pluto to participate. As the event guarantees more interaction with contestants, this is the event for developing a good PR value among the students.

### Astronomy quiz:

The game is on to decide the next Astro-wizard. Have no doubts. This is going to be a cracker of a contest as the budding stars like Sirius take on the established ones like sun. As far as participation is concerned, our pundits predict it to be the dark horse that may even pip automobile quiz and give robo soccer a run for the money. Sponsors, enticing?



### Sky Gazer:

Galileo did it centuries ago. Meet the modern astronomy enthusiasts who try to remodel the telescope with their creativity and engineering instincts. Enter the Cepheid and no astronomy enthusiast is going to miss this evolutionistic event. Sponsors: I don't think they need a second invite. Publicity Guaranteed ©.

## Cepheid

We are the star gazers of IIT-H. We organize observatory sessions during historic occurrences and discussion on relativistic applications in space, black holes, solar storms and what not. The aim of Cepheid is to disseminate the knowledge of what lies in and beyond this universe to the interested ones. Who knows, maybe the resources for the future could be from the outer space far beyond the realms where our current resources and knowledge can take us. We would like to have anyone interested in this futuristic field in the Cepheid team in our ultimate pursuit of knowledge.



Astronomically astonishing astronomy enthusiasts

# Endeavour

Endeavour is the science documentary club of IITH. We believe in dissemination of knowledge through collective discussion and debate. Discussion takes place on every topic ranging from Bermuda triangle to time travel. We effectively utilize the mode of visual communication in imbibing the scientific knowledge through short documentaries. We are in the path of creating ignited fountains of knowledge of science and would welcome anyone interested in the motive to become part of our journey to excellence.



## Science quiz:

Though old fashioned, there can seldom be any other tried and tested event like a general science quiz which guarantees good participation from all branches and across all years. Due to its massive appeal it is bound to entice sponsors and participants alike.



## Project-X:

Here is our version of Junkyard Wars. Do not miss hogging the limelight as contestants scramble to make something out of nothing. Yeah you read it right- Something out of nothing. This is the land where, missile launchers are made of paper, choppers are made from ice cream sticks and balloons, lifting machines are made out of syringes and hydraulics. It has been traditionally getting massive participation as engineers here have been trained to build everything from anything.

Analyze, debate and decide



Mr.Detective:

With contestants solving murders, kidnappings and theft, clues in the surrounding are getting each and every piece of attention they deserve. Believe, there is no place to kindle as much interest in your products as the one here does. Because clues can very well be products of your making, requiring contestants to know, if not learn about them to solve the mystery. Enticing, huh?

## Informals

If there is one domain which was repeatedly under-rated, and still performed above expectations, it must be INFORMALS. With events requiring little or no preparation at all, registrations being on-the-spot and events taking lesser time in themselves compared to the others, contestants flock these events in huge numbers. The story is gonna be the same this time as well.

## Rubix Cube

## Cryptex



## Treasure Hunt

## King of the Ring:

If anyone thought ηvision was all for the geeks and nerds, then you are sorely wrong. Here comes our own gaming league to decide the gaming king of IITH. We have not forgotten the saying "All work and no play, makes jack a dull boy". With FIFA, Counterstrike and tekken promising action like never seen before, sponsoring ηvision has only got better.



# Contact Us



<http://www.iith.ac.in/nvision/>

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