



## **AUTOBOTS**



Each team has to simultaneously start with 3 different robots (2 wirelessly controlled and one fully automated) following three different courses and reach the end point to activate a wirelessly operated flying vehicle which passes through a ring to take an aerial photograph and read the message enclosed in the box which is visible only from the top.

## **FLAGSHIP EVENTS**

### **ROBOWARS**

Build a robot whose task is to push the opposing robot out of the circular ring or flip it over. Different robots compete one-on-one against each other in a knock-out tournament.

### **ROBO SOCCER**

Every team has to make two manually controlled Robots which can hold the ball (Table tennis ball) and can hit it into opponent's Goal post.

### **WIRELESS MAZE SOLVER**

Build a car-robot that can drive through the uneven track overcoming various hurdles, solving maze and reach the end-point in the least time.

### **RACE OF MAGLEVS**

Teams will have to build the fastest Maglev vehicle possible and track for it.

### **AMPHIBIAN BOT**

Make a remote controlled boat, powered only by batteries, which has to navigate through an obstacle course float on water and run on land in the shortest time possible.

### **CONFLOAT**

The object is said to be "buoyant" when it floats due to low density. By spreading out the concrete used to make the boat over a larger volume, the apparent density of the boat becomes less than that of water.

### **MANAGERS' MANIA**

Teams have to formulate a Business Plan for the launch of Electric Car with a definite amount which can do clear implementation.

### **SMART TRAVEL & HOTEL - 2017**

Robotics & Artificial Intelligence in Tourism & Hospitality Industry

### **ICE CHALLENGE**

Event involves fabrication of an insulated box to minimise heat loss.

### **ANDROID APP DEVELOPMENT HACKATHON**

This mainly focuses on how to use Android OS for building your own Android Application.

### **VFX AD FILM**

Teams must make a VFX AD film within 50 hours. The Ad will comprise of any products and social awareness using any medium not more than 25 seconds.

### **IOT PATRONS**

Teams must build a smart home solution for enhancing security and optimized energy consumption.

### **GOING GREEN**

Event organized for healthy environment conducive to learning while saving energy, resources and money. It aims to make environmental awareness and action an intrinsic part of the life and ethos of a college.

### **RC FLIGHT**

Design and make a fast, light, wireless remote controlled aircraft, which can manoeuvre around in a rectangular path and perform a figure of eight and land in the specified zone.

### **CONTRAPTION**

Contraption is deliberately over-engineered or overdone machine or apparatus to perform a very simple task in a very complicated fashion, usually including a chain reaction.

### **WEBSITE DEVELOPMENT HACKATHON**

To create a dynamic and responsive database driven website containing at least 8 pages and targeting the task related to the domains specified within stipulated time.

### **UPAJ: AGRICULTURAL DIVERSIFICATION**

Participants are invited to present innovative ideas to develop suitable technologies for crop diversification in rice-wheat production system in Indo-Genetic Plains.

### **TECHNO COMMERCIAL IDEAS FOR SUSTAINABLE SMART CITY**

Business plan for smart cities existence and sustenance

### **GO-KART**

### **MOBI-DOC**

To make a documentary with cell phone



## DEPARTMENTAL EVENTS

Aerospace	<b>WATER ROCKET</b>	Use theoretical skills of flight to create a water rocket.
Applied Science	<b>PARTICLE DETECTOR SIGNAL DETECTION CONTEST</b>	Design the portable, compact and complete system for HV (High Voltage) Si micro strip sensor characterization.
	<b>MATHEMATICS OLYMPIAD</b>	
	<b>ESCAPE CHALLENGE-II</b>	Treasure hunt game about technical activities and fun.
Automobile	<b>AUTO INGENUITY</b>	Quiz event which tests the capability in the field of Automobiles
Biotechnology	<b>CEREBRO (BIOTECHNOLOGY QUIZ)</b>	Quiz session is designed to highlight areas of biotechnology and biosciences.
	<b>PIRATE QUEST</b>	Players search for hidden objects by following a trail of clues.
CCE	<b>BRAIN TWISTER</b>	Quizzing dedicated towards knowledge in the computer applications.
Chemical Engineering	<b>CHEMENG.GYAN</b>	The event tests concepts of Chemical Engineering.
Electrical Engineering	<b>ROOTSTALK ENERGY</b>	To extract energy like from orange or any other stock items we can generate Voltage more than 10V.
Pharmaceutical Sciences	<b>NUTRACEUTICALS</b>	To formulate and evaluate a nutraceutical preparation
Polytechnic	<b>FUNK FROM JUNK</b>	Making some useful technical product from junk

Civil Engineering	<b>BRAINIAX</b>	Civil brainiax is brain storming technical quiz-o-mania.
	<b>BUILD YOUR BURJ</b>	Design a high rise building using Popsicle sticks
	<b>SURVEY BURGLARS</b>	Event for conducting survey to meet your specific goals.
CSE	<b>APPENUER</b>	Teams must build an android application.
	<b>SURGICAL STRIKERS</b>	Online Gaming
ECE	<b>CIRCUITRIX</b>	A circuit has to be made which satisfies the problem statement.
UITHM	<b>GULISTHAN</b>	Flower Decoration
	<b>CAKE DECORATION</b>	
	<b>MELANGE</b>	Cocktail & Mocktail Making
	<b>GLOBAL360°</b>	On the Spot Itinerary Competition
UITTTR	<b>METASTATIS</b>	Teaching Competition
USB	<b>AD-MADSHOW</b>	Advertisement Making Competition
	<b>BID HUNT 2017</b>	Bid your own company
Architecture	<b>LIVE SKETCHING</b>	Pencil sketching showing various views of architecture
	<b>FIRE ON CANVASS</b>	Make interesting portraits/landscapes by using the paper burns
	<b>DIGITAL MURAL</b>	Present your mural design on Smart City
UIMS	<b>PHOTOGRAPHY</b>	Theme: Digital Media
	<b>AD-SENSE</b>	Theme: Creative Advertisement for Digital Publishing
	<b>SELFIE WITH A CAUSE</b>	Theme: Vibrant Media



# WORKSHOPS

<b>CLOUD COMPUTING</b>	<b>MOBILE COMPUTING</b>	<b>CONSTRUCTION CHALLENGES</b>	<b>3D MODELLING AND SIMULATION</b>	<b>IBM BLUEMIX</b>
Explore the role of Cloud computing and security at Industrial Level in real time environment.	To share knowledge about Emerging Research Trends and Challenges in Mobile Computing.	To share knowledge about Challenges in construction industry for Civil Engineer.	An awareness workshop on Computer Aided Engineering (CAE) to be conducted for Mechanical Engineering students.	Use a Combination of most prominent open source compute technologies to power your apps. Then let Bluemix handle the rest.

# CU TALKS

<b>MR. ROHIT SARDANA</b>	<b>DR. ANIL KOUL</b>	<b>MR. FAISAL FAROOQUI</b>	<b>PROF. P. D. JOSE</b>
Senior National Level Anchor & Editor-Output, Zee News on <b>Broadcast News Media in India - Role and Scope</b>	Director Institute of Microbial Technology (CSIR) on <b>Pharmaceutical Innovation in Drug Discovery</b>	CEO MouthShut.com on <b>Entrepreneurship</b>	Professor IIM Bangalore on <b>Impact of MOOCS on learning outcome</b>

# EXHIBITIONS

The objective of this program is to communicate to the youth of the country the excitement of creative pursuit of science and attract talent to the study of science at an early age, thus building the required critical human resource pool for strengthening and expanding the science and technology system and R&D base.

We are seeking entries from Industry and Individuals for:

- Patents (from individuals, Private or Government Company/ Agencies).
- Innovative Product (from individuals, Private or Government Company/ Agencies)

For Registrations, log on to <http://techinvent.cuchd.in/>



S. No.	Description	Department	Category	Venue	Location	Date	Time
1	AUTOBOTS	ECE	STAR	Outside	Basketball Court - Opp Block-1	31-03-2017	All Day
2	Robo-Wars	ME	Flagship	Outside	Basketball Court - Opp Block-3	31-03-2017	All Day
3	Robo Soccer	ECE	Flagship	Outside	Open Air Amphitheatre	31-03-2017	All Day
4	Wireless Maze Solver	ECE	Flagship	Inside	Workshop-1	31-03-2017	All Day
5	IoT Patrons	CSE	Flagship	Inside	Level-4, Block-1	31-03-2017	All Day
6	Amphibian Bot	Electrical Engineering	Flagship	Outside	Open Air Amphitheatre with fountain pond	31-03-2017	All Day
7	Confloat	Civil Engineering	Flagship	Inside	Level-2, Block-3	31-03-2017	All Day
8	Smart Hotel and Travel	UIITHM	Flagship	Inside	Seminar Hall, Block-2	01-04-2017	10:00 AM
9	Ice Challenge	Chemical Engg.	Flagship	Inside	Level-5, Block-3A	31-03-2017	All Day
10	Going Green	Applied science-physics	Flagship	Inside	Block-6	31-03-2017	All Day
11	Managers' Mania	AIT	Flagship	Inside	Level-7, Block-9	31-03-2017	10:30 AM
12	Mathematics Olympiad	Applied Science-Chemistry	Departmental	Inside	Level-3, Block-4	31-03-2017	12:00 PM
13	RC Flight	Aerospace	Flagship	Outside	Ground opp. Block-6	31-03-2017	All Day
14	Vfx Ad Film Competition	UIFV	Flagship	Inside	Level-5, Block-8	31-03-2017	All Day
15	Contraption	ME	Flagship	Inside	Level-3, Block-3A	01-04-2017	10:00 AM
16	Race of Maglevs	ME	Flagship	Outside	Basketball Court - Opp Block-3	31-03-2017	All Day
17	Android App Development Hackathon	UIC	Flagship	Inside	Lab-303, Block-1	31-03-2017	All Day
18	Website Development Hackathon	UIC	Flagship	Inside	Lab-105, Block-5	31-03-2017	All Day
19	UPAJ	UIAS	Flagship	Inside	Seminar Hall, Block-6	31-03-2017	All Day
20	Techno-Comercial Ideas for Smart Cities	USB	Flagship	Inside	Seminar Hall, Block-5	31-03-2017	10:30 AM
21	Go-Kart	ME	Flagship	Outside	Opp. Block-7	31-03-2017	All Day
22	Mobi-Doc	UIMS	Flagship	Inside	Room-601, Block-3	31-03-2017	All Day
23	Water Rocket	Aerospace	Departmental	Outside	Ground opp. Block-6	31-03-2017	10:00 AM
24	Particle detector signal detection contest	Applied science-physics	Departmental	Inside	Block-6	31-03-2017	10:00 AM
25	Escape challenge-II	Applied science-physics	Departmental	Outside	Ground Opp. Block-1	31-03-2017	02:00 AM
26	AUTO-INGENUITY	AUTOMOBILE ENGINEERING	Departmental	Inside	Lab-111, Block-3A	31-03-2017	10:00 AM
27	Cerebro (Biotechnology Quiz)	Biotechnology	Departmental	Inside	Level-6, Block-9	31-03-2017	10:00 AM
28	Pirate quest	Biotechnology	Departmental	Inside	Level-6, Block-9	31-03-2017	12:00 PM
29	Brain Twister	CCE	Departmental	Inside	Seminar Hall, Block-7	31-03-2017	12:00 PM

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30	Chemengg.Gyan	Chemical Engineering	Departmental	Inside	Level-5, Block-3A	31-03-2017	10:00 AM
31	Brainiax	Civil Engineering	Departmental	Inside	Room-311, Block-3	31-03-2017	10:00 AM
32	Build your Burj	Civil Engineering	Departmental	Inside	Seminar Hall, Block-3	01-04-2017	10:00 AM
33	Survey Burglars	Civil Engineering	Departmental	Outside	Ground opp. Block-7	31-03-2017	02:00 PM
34	Appenuer	CSE	Departmental	Inside	Level-6, Block-1	31-03-2017	02:00 PM
35	Surgical Strikers (Online Gaming)	CSE	Departmental	Inside	Level-6, Block-1	31-03-2017	All Day
36	Circuitrix	ECE	Departmental	Inside	Level-7, Block-7	31-03-2017	10:00 AM
37	Rootstalk Energy	Electrical Engineering	Departmental	Inside	Level-2, Block-2	31-03-2017	12:00 PM
38	Nutraceuticals: A wise approach for better health	Pharmaceutical Sciences	Departmental	Inside	Level-5, Block-9	31-03-2017	12:00 PM
39	FUNK FROM JUNK	Polytechnic	Departmental	Inside	Level-4, Block-7	31-03-2017	10:00 AM
40	GULISTHAN (Flower Decoration)	UITHM	Departmental	Inside	Level-2, Block-2	31-03-2017	10:00 AM
41	Cake Decoration	UITHM	Departmental	Inside	Level-4, Block-2	31-03-2017	11:00 AM
42	Melange (Mocktail Making)	UITHM	Departmental	Inside	Level-4, Block-2	31-03-2017	10:00 AM
43	Global360° (On the Spot Itinerary Competition)	UITHM	Departmental	Inside	Seminar Hall, Block-2	31-03-2017	10:00 AM
44	Metastatis	UITTTR	Departmental	Inside	Level-6, Block-4	31-03-2017	12:00 PM
45	Ad-Mad Show	USB	Departmental	Inside	Level-3, Block-5	31-03-2017	10:00 AM
46	Bid Hunt	USB	Departmental	Inside	Seminar Hall, Block-3A	31-03-2017	10:00 AM
47	LIVE SKETCHING	Architecture	Departmental	Inside	UIA, Block-8	31-03-2017	10:30 AM
48	FIRE ON CANVASS	Architecture	Departmental	Inside	Main Lobby, UIA, Block-8	31-03-2017	02:30 PM
49	Digital Mural	Architecture	Departmental	Inside	Room-308, Block-8	31-03-2017	01:00 PM
50	Photography	UIMS	Departmental	Inside	Block-3 Entrance	31-03-2017	10:00 AM
51	Selfie with a Cause	UIMS	Departmental	Inside	Block-3 Entrance	31-03-2017	12:00 PM
52	Ad Sense	UIMS	Departmental	Inside	Block-3 Entrance	31-03-2017	12:00 PM
53	Cloud Computing	UIC	Workshop	Inside	Lab-308, Block-1	31-03-2017	All Day
54	Mobile Computing	UIC	Workshop	Inside	Lab-318, Block-1	31-03-2017	All Day
55	IBM Bluemix	CSE-IBM	Workshop	Inside	Level-4, Block-1	31-03-2017	All Day
56	3D Modelling and Simulation	Mechanical	Workshop	Inside	Lab-304, Block-3A	31-03-2017	All Day
57	Construction Challenges	Civil Engineering	Workshop	Inside	Seminar Hall, Block-3	31-03-2017	All Day
58	Mr. Rohit Sardana (Zee News)		CU Talks	Inside	Seminar Hall, Block-4	01-04-2017	12:30 PM
59	Dr. Anil Koul (Director, IMTech)		CU Talks	Inside	Seminar Hall, Block-4	01-04-2017	11:00 PM
60	Prof. P. D. Jose (IIM, Bangalore)		CU Talks	Inside	Seminar Hall, Block-4	31-03-2017	03:00 PM
61	Mr. Faisal Farooqui (CEO, MouthShut.com)		CU Talks	Inside	Seminar Hall, Block-4	31-03-2017	12:00 PM
62	Exhibition			Outside	Opp. Block-3A, and Inside Block-3A	31-03-2017	All Day

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