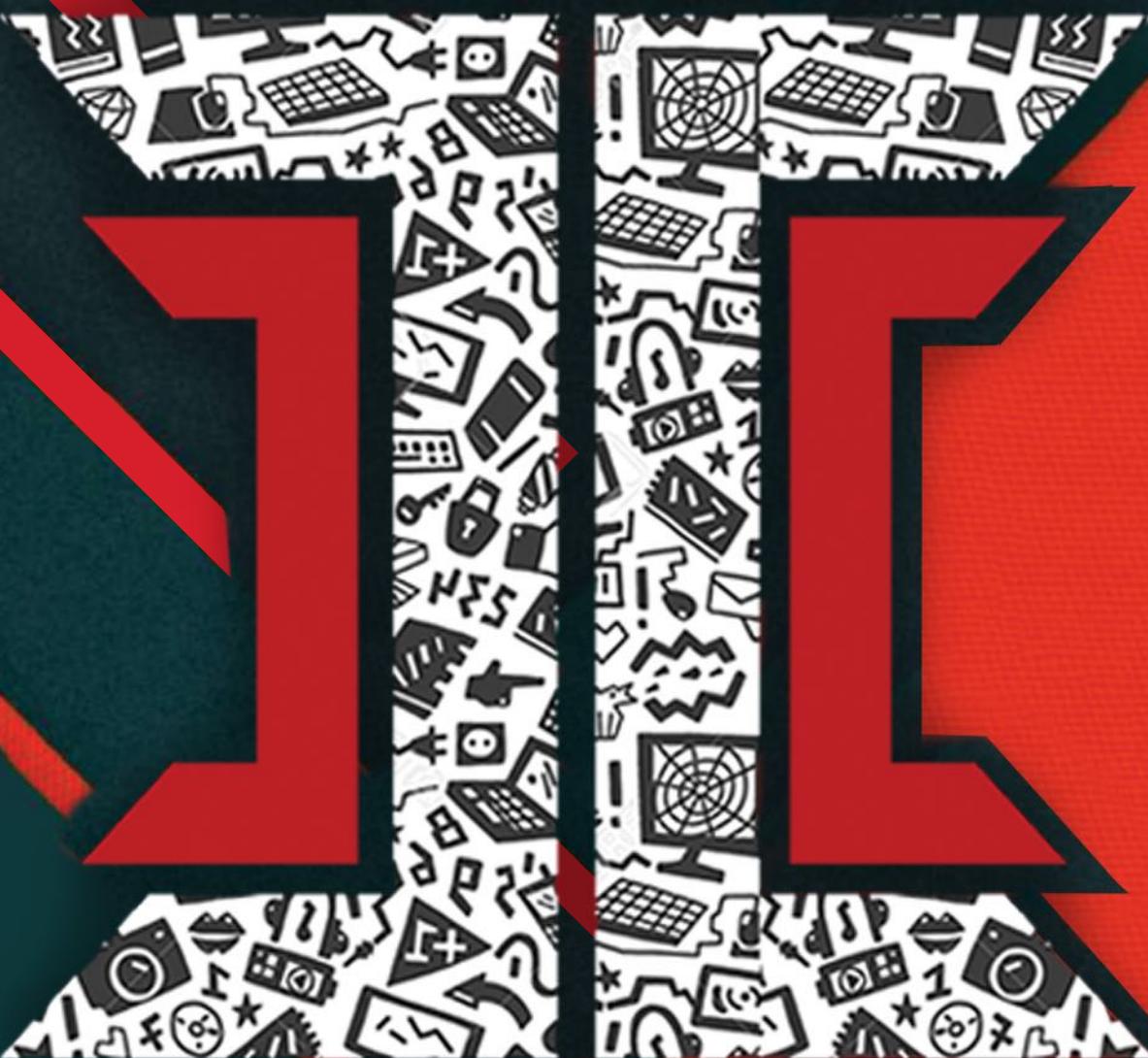


# INNOVA



2019

# INTRODUCTION

INNOVA, the annual techno-management fest of Delhi Technological University (Formerly Delhi College of Engineering) was founded in 1994, under the Department of Mechanical and Production Engineering, Department of Civil and Environmental Engineering as a celebration of talent and creativity.

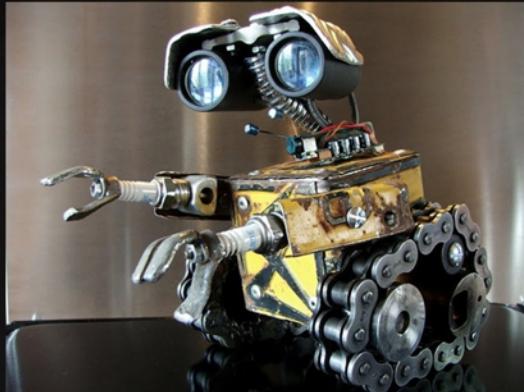
The fest over the past 25 years has been a symposium of young minds from numerous colleges across the nation to participate in innovative events and inculcate new technicalities.

Expanding its spectrum and including events of nearly each branch of engineering in its 22nd phase, INNOVA '19 has adopted the theme "TECHNOLOGY FOR TOMORROW". We aim to provide a platform to young budding engineers to think creatively, showcase their talent and display their skills in unexplored domains. INNOVA being an unequalled and incomparable extravaganza is a perfect dais where ideas and people interweave with each other.

# EVENTS

## Structure D

The Structural Design event where the students are given an opportunity of modeling and simulation of a design problem statement.



## Junk-E-Ard

The all-time favourite of the technical/creative minds of our junk-ineers. This time junk-ineers are provided with a virtual budget in the beginning, which is followed by a bidding event for different junks they will use in their model.

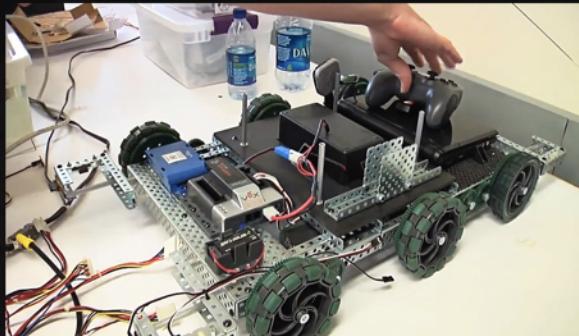
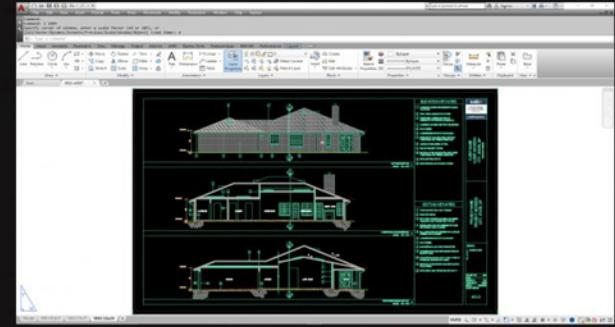
## Brooklyn Prodigy

This is a dream-come-true event for a structural engineer. Before bridges are actually constructed, their models are to be made from paper and glue. The strength and aesthetic appeal of these models adjudge the design of the actual structure.



## CAD Craft

It's all about creating designs using computerised techniques on a given problem statement. This event aims at testing the imagination and spontaneity of the participants using mind-boggling questions and their equally innovative results.

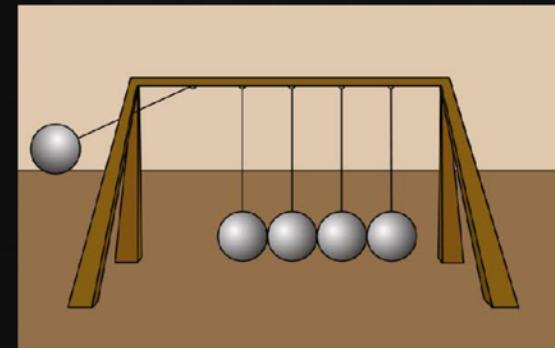


## Robotics

The robotics fiesta based on different design challenges in land and water, wherein teams from various colleges compete with their innovative bots. This mega event includes four varied categories viz. Robotron, Robocruz, Robochase and Robomaze.

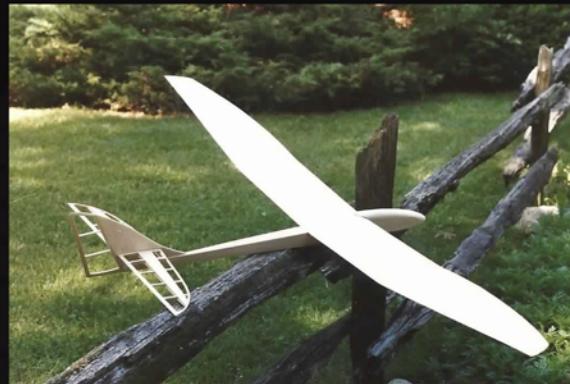
## Contraption

It is based on the genesis of energy; it entails the understanding of complex machinery and the ways they can meditate energy via the primitive resource.



## Find D Bug

The participant will be asked to point out the anomalies in a given C++ code in fifteen minutes. The winners of Round A will be asked to find the bugs in a Java code.



## Aero-Glider

The biggest news-maker of Innova '15 is back where the students are set on a time-bound challenge to make hand-launched gliders. These crafts are then launched from a high-rise and the teams score on the basis of glide time and range.

## Bizzeal

A magnificent platform for budding entrepreneurs to present their B-plans corresponding to a given theme. The participating teams need to pass through a series of hurdles in order to establish a company.



## iThink

It is all about innovative thinking and reaching all limits of creativity. We come across various phenomenon or concepts that trigger us to think beyond what is possible today. Hence, participants present their theories.



## Quad-Rush

Fly your quadcopter from source to destination crossing various hurdles and destination along the path of journey. Fastest one to do so wins it all but remember don't crash it!

## Online Events

Virtual Stock Market  
Flashback  
Cartoonix  
Mind Blender  
Math.exe



## Guest Lectures

Innova brings to you an opportunity to interact with personalities sans pareil from across the world. We invite you to witness sheer awesomeness - the pioneers of revolution are here, at DTU.



## Workshops

This includes a series of events which provide a platform to learn from the professionals. A number of workshops such as internal combustion engine deassembly, robotic arm, air glider and other technical workshops on engines, aerodynamics etc. are held.



## Electric is the future

Team Hertz Electric was started in September 2017 with a goal of fabricating and designing DTU's first formula electric vehicle. It aims to take part in SAE Lincoln Nebraska 2019. The team's first formula electric vehicle will be inaugurated by Dr. Kumar vishwas at INNOVA'19.



## Some Of Our Previous Workshops



**INNOVA II 2019**

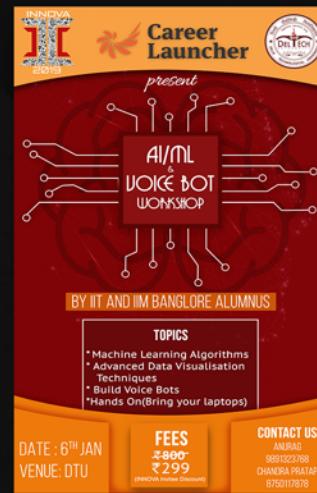
**ADVANCED IOT WORKSHOP**

organised by **DESIGNCUT**

**DATE - 17TH AND 18<sup>TH</sup> NOV**  
**TIME - 11 A.M TO 5 P.M.**  
**VENUE - SMARTCLASS L2**  
**SHALINDRA CHANDRA PRATAP**

**FEES ₹ 1000/-**

**CONTACT US**  
SHALINDRA  
8006140224  
CHANDRA PRATAP  
9750117878



**INNOVA II 2019**

**Career Launcher** present

**AI/ML VOICE BOT WORKSHOP**

BY IT AND IM BANGLORE ALUMNUS

**TOPICS**

- Machine Learning Algorithms
- Data Visualisation Techniques
- Build Voice Bots
- Hands On(Bring your laptops)

**DATE : 6<sup>TH</sup> JAN**  
**VENUE: DTU**

**FEES ₹ 800/- ₹ 299**

**CONTACT US**  
ANIRUDH  
9899323768  
INNOVA (Inova) (Inova)



**INNOVA II 2019**

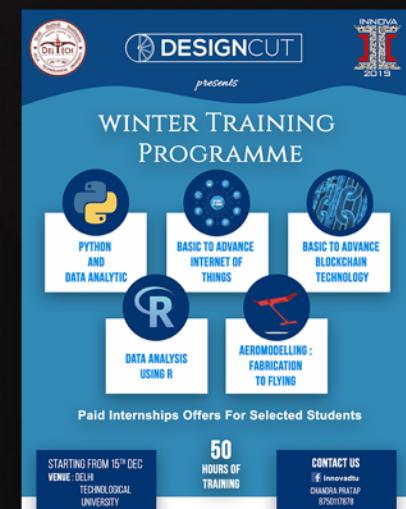
**ROBOTECH LABS**

**MACHINE LEARNING WORKSHOP**

18-19th December'17  
DELHI TECHNOLOGICAL UNIVERSITY

I. Datamining  
II. Statistical pattern recognition

- Supervised learning (parametric/non-parametric algorithms, support vector machines, kernels, neural networks)
- Unsupervised learning ( clustering, dimensionality reduction, recommender systems, deep learning)
- Best practices in machine learning ( bias/variance theory, innovation processes in machine learning and AI)



**INNOVA II 2019**

**DESIGNCUT** presents

**WINTER TRAINING PROGRAMME**

**PYTHON AND DATA ANALYTIC**

**BASIC TO ADVANCE INTERNET OF THINGS**

**BASIC TO ADVANCE BLOCKCHAIN TECHNOLOGY**

**R**

**DATA ANALYSIS USING R**

**AEROMODELLING : FABRICATION TO FLYING**

**Paid Internships Offers For Selected Students**

**STARTING FROM 15<sup>TH</sup> DEC**  
**VENUE: DELHI TECHNOLOGICAL UNIVERSITY**

**50 HOURS OF TRAINING**

**CONTACT US**  
INNOVA  
CHANDRA PRATAP  
9750117878

# PREVIOUS GUESTS LECTURES



**Gen. V.K. Singh**  
Ex-Cheif, Indian Army



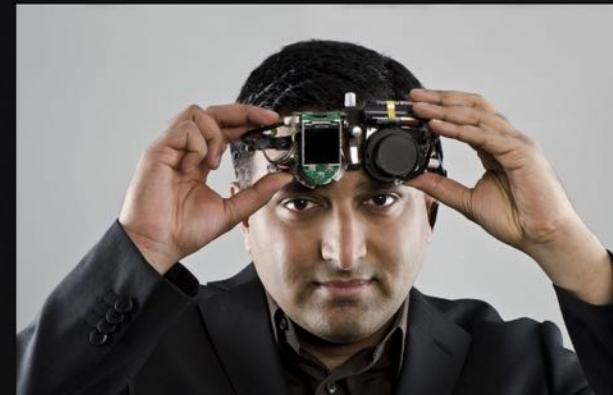
**Brig. Gurmeet Kanwal**  
Ex-Director, CLAWS



**Durjoy Dutta**  
Best Selling Author



**Dr. Amir Ullah Khan**  
Senior Policy Advisor, Bill & Melinda Gates Foundation

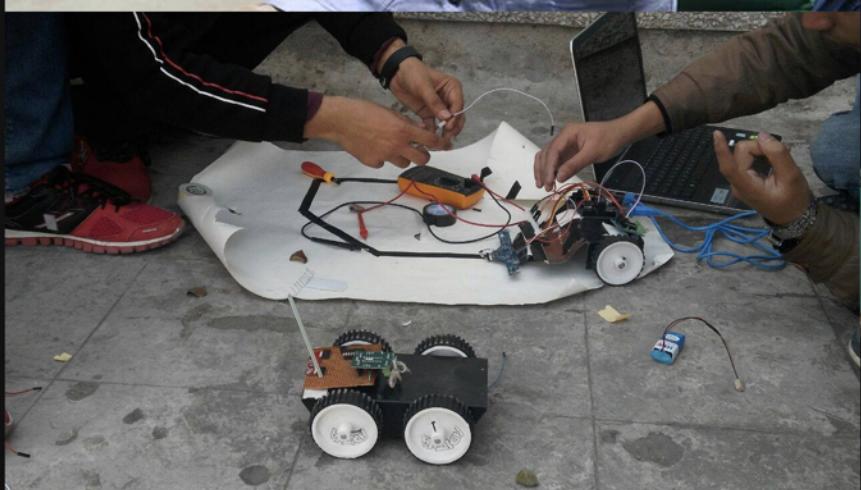


**Ramesh Raskar**  
MIT Media Labs



**Raghav Sood**  
World's youngest Android author

# SOME GLIMPSES OF LAST YEARS



# SOME GLIMPSES OF LAST YEARS



