



inGenius
2016

Among the biggest in South India

inGenius 2016

Inter-College Hackathon



5th Edition
10th - 11th September

Event Brochure



WHO WE ARE

Organized by the **PESITSouth ACM Students Chapter**, inGenius is our annual inter-college hackathon.

This will be the 5th edition of this 24 hour hackathon, with over 2500 registrations to date.

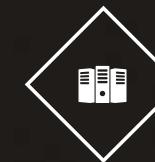
The event is conducted annually during September/October over a weekend for 24 hours.

1. Our college was among the first ones in Bangalore to give students this platform and host the hackathon. (First edition was a 12-hour hackathon)
2. Today, we are among the biggest in South India registrations from multiple cities including Delhi, Kolkata, Trichy, Mangalore, Manipal and many more.

The students are suppose to develop a project in 24 hours which must be a prototype to solve a genuine problem faced in our world.

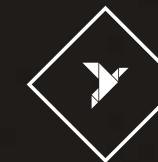
HACK IDEAS

We leave the theme as a open hack. Students can build projects in any domain they desire.



IT Solutions

Majority of the students indulge in IT hacks which are in the domains of mobile, web, cloud, analytics, etc.



Hardware

Students also turn to hardware hacks which include using open source systems such as Arduino, Raspberry Pi and so on.



Statistics

Applied mathematical and statistical projects were also seen in our previous edition of this 24-hour hackathon.



We take care of all our participants over the 24 hours.

We take care of all the needs of our participants including safety, food, entertainment, etc. Students are provided with 3 meals and snacks from our side with also the availability of stalls for them to fulfill their needs.



ABOUT US

The team



inGenius 2015 Core team

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We are a well experienced team, looking to make a difference in the way students complete their professional courses.

Chirag Goel
Chairman - PESITSouth ACM Student Chapter

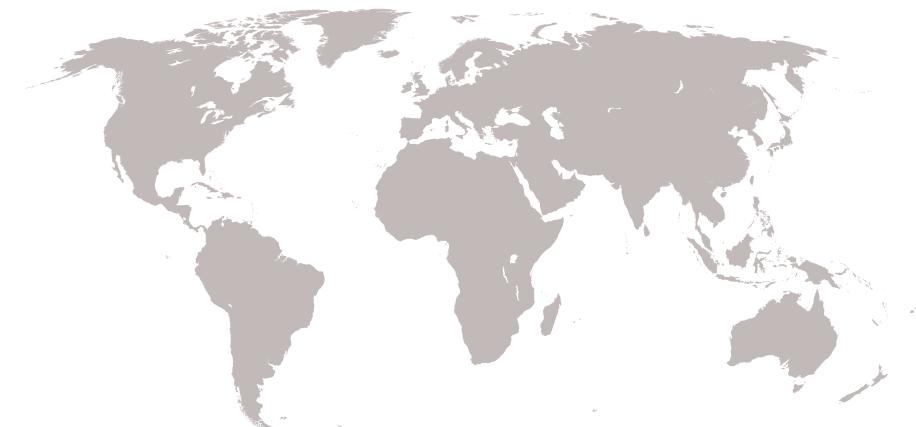
The team includes members from last years organizing team, TEDxPESITBSC organizers, previous hackathon winners, and have the experience of organizing many inter-college events.

They are focused and committed on the task to make inGenius an event to remember for all the stakeholders.

If you wish to sponsor our event or partner with us, please reach out to our sponsorship heads Amith Anandnath (+91 7760115470 | amith@ingeniushack.com) or Cynthia Saji (+91 8197662819 | cynthia@ingeniushack.com)

THE HISTORY

In the last 3 years, we have provided people with experiences to remember.



2012

Started off as a 12-hour event.

2013

The first inGenius 24-hour event

2014

Hosted over 70 teams, had over 200 people on campus.

2015

Offered internships and other opportunities to participants.

This year we are expected to have over 500 registrations.

Expected to be the biggest inGenius yet.

inGenius 2016 intends to reach to more colleges, more cities, and more students. All registered teams must submit their hack ideas and are shortlisted based on them. Shortlisted teams are invited to hack on campus.

While we grow bigger and better, we understand the fundamental reason of this event and continue to achieve it.

WHO WON LAST TIME?

Each year, the participants surprise us coming with bigger and better ideas.
Below are the ideas of top 3 finishes.



GIZMOGEeks (1st place)

Open our fitness app, click a photo of the food you are going to consume and we tell you the calories you'll be adding on and we maintain a monthly chart which tracks your food habits. We also recommend other food the user would need to consume in order to get all the necessary vitamins.

We also track your step-data using inbuilt smartphone sensors to measure the amount of exercise you are getting everyday and recommend further exercise when required.

The hack will be an android app, we will be using openCV/Theano for object recognition, android step-counter libraries will be used to measure step-data, we will further use the zomato API to get the restaurant information

LEO (Lead Emergency Operations) (2nd place)

Situations arise, when Firemen are exposed to untold or not foreseen factors such as the give away of a building floor when they enter a burning building.

LEO is designed to check, if the floor of a certain building is strong enough such that the firemen can safely enter the building to carry out their duties. This can considerably reduce the number of causalities in a given situation.

What LEO essentially does is it generates a set of vibrations. Since the vibrations of different mediums are different, we can, with the help of a vibration sensor(which is built into the robot), calculate whether the given flooring will give away or not.

J.A.R.V.I.S (2nd place)

Building The Next generation IOT minded Home/personal assistant server (a.k.a) J.A.R.V.I.S

- Complete Audio User Interface, that is speech recognition and text-to-speech as the base for ui.
- Google's voice recognition api, python library for text to speech
- Communicating with the users
- Giving Orders to Household devices, e.g., turning ac on and off.
- Knowing the status of car, home and personal office.
- Personal Media Server
- Integration of Information apis, e.g. weather data, movie reviews, news broadcasts
- Use of wifi module, parse backend , Raspberry pi, arduino(if needed), Android devices.
- Raspberry pi acts as a home server for all the devices that user wishes to add, e.g. android phone, ac, tv, lights, security cam and communicates between devices and performs operations based on user's demands

#getSetHack

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WHAT THEY SAY

Over the years we have always been praised. See below what a few of our previous participants have had to say.

" Thanks to inGenius, I learned more in one weekend than I did in the last month of lectures. "

— **Aman Chaudhary**
Participant (2014 & 2015)

" The environment was great. Fascinating to see so many talented people in a single room working 24 hours straight! "

— **Madhumita H**
Participant (2015)

Are You The Next ?

Come and participate and be involved in an event that can help make your future.

Registrations on www.ingeniusshack.com

#getSetHack

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CONTACT US

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