



# AGNI COLLEGE OF TECHNOLOGY

Imparting Knowledge, Inculcating Values

(Approved by AICTE; Affiliated to Anna University, Chennai and Accredited by NBA, New Delhi)  
Thalambur, Chennai, 600130



## Contest Details: INDIAN INNOVATION CHALLENGE – AIC – IIITK

Indian Innovation Challenge organized Atal Incubation Centre (AIC)  
of Indian Institute of information Technology- Kottayam (IIIT-K)

### Achievements:

Students of Department of ECE and Mechatronics of our institution participated and got first place in the incubation program conducted by the Atal Incubation Centre (AIC) of Indian Institute of Information Technology-Kottayam (IIITK) on August 21<sup>st</sup>, 2019.

1	Ariharan .T	- ECE A-4 <sup>th</sup> year
2	Jayakarthiga A	- ECE A-4 <sup>th</sup> year.
3	Hemantharajan V	- ECE A-4 <sup>th</sup> year
4	Karan	- Mechatronics - 4 <sup>th</sup> year.

### Highlights:

- This is our institution's first ever project to receive fund through AIC - IIIT Kottayam
- ACI-IIITK offer training in order to gain knowledge (both practical and theoretical) for incubatee developments.
- IP support will be provided at the centre with leading mentors of AIC-IIIT Kottayam.
- Sales and marketing department of AIC-IIIT Kottayam will ensure that the product will be utilized in the society.
- Reputation for both mentors and incubates will be ensured at AIC-IIITKottayam.
- International and National collaborators or industrialists will be invited for wide visibility.



**Official inclusion of Vugha Security Solutions Logo at AIC-IIT Kottayam**



**Agni Students - Pitching the Business idea to the panel of Juries**



**Product display for the dignitaries @ AIC-IIT Kottayam**

**Contest Details: INTERNATIONAL PROJECT CONTEST - IEEE YESIST12**

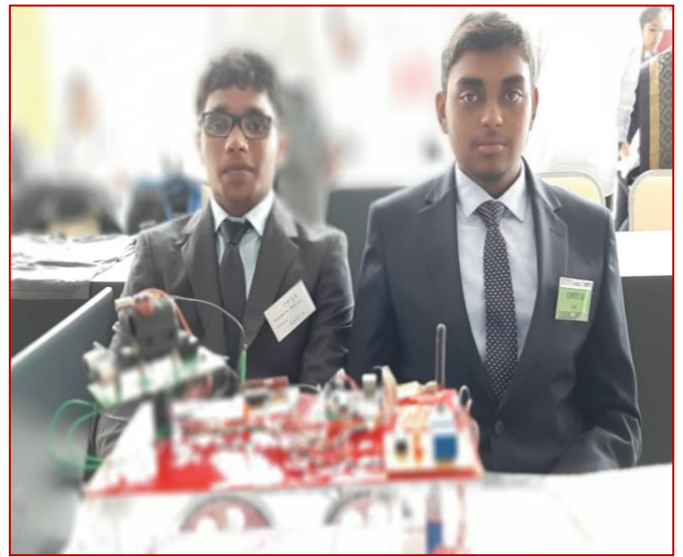
**International Project Contest - IEEE YESIST12 (Youth Endeavours For Social Innovation Using Sustainable Technology) Maker fair 2019, is an international talent show for the students and young professionals to showcase their innovative ideas to solve humanitarian and social issues affecting directly the community around them. This International Contest was held at Stamford International University, Bangkok, Thailand on 7th & 8th September 2019**

### **Achievements:**

Our 2nd Year ECE student, Mr. Ritchik Chandran, participated and **won 5th place in the International Project Contest IEEE YESIST'12 Maker fair 2019** held at Stamford International University, Bangkok, Thailand

### **Highlights:**

- More than 20 countries were participated in the International Contest.
- Makerfair was established by IEEE Srilanka Section and IEEE Education Society
- Agni's first international Project contest



**Agni Students presenting project at IEEE International Project Contest**



**Agni Students @ IEEE International Project Contest at Bangkok, Thailand**

**Contest Details: INDIAN INNOVATION CHALLENGE DESIGN CONTEST (IICDC)**

**Indian Innovation Challenge Design Contest (IICDC) -2018 -19 organized by DST & Texas Instruments anchored by NSRCEL @IIMB**

**About the Contest:**

IICDC is generally one the India's largest start-up fest for the college students. The main motive of this competition is to give the students from technological background to give a shape to their ideas and bring up their product through the following stages.

**Incubate** - with mentors from India's smartest brains from IIMB

**Launch** - your product with funding and prizes from DST& TI

**Design**- using Innovative products with technical mentorship & resources from TI

## Achievements:

Out of 10146 team participation from all over India, got selected for the finals as **one among the top 30 team and won the Cash award of Rs. 5 lakhs from Department of Science and Technology, Government of India.**

## Highlights:

- 26511 students were participated in this national level prestigious contest
- For got selected in the qualifying round, received TI components worth of Rs. 14,000/- from Texas Instruments India Ltd.,
- Received cash prize of worth Rs. 20,000/- from Texas Instruments for clearing the quarter finals
- Attended 3 days boot camp at IIM-Bangalore and Texas Instruments India, Bangalore.
- Agni Students team- Vugha security Solutions got published in the Mygov.in (Central Govt Website) website as a reputation.
- Competitors for the contest are IITs, NITs, and Other reputed Universities



**Vugha Security Solutions' stall @IIM Bangalore during Semi Finals**

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**Company Name:** Vugha Security Solutions  
**Product:** Electronic Security Devices  
**Website:** [www.vugha.com](http://www.vugha.com)  
**University:** Agni college of technology



Ariharan T



Balaji S



Hemantharajan V



Jayakarthiga A



Karan E

**Team Vugha security Solutions highlighted in MyGov website on IICDC Blog**



**Agni Students team presenting thier projects @ IIM Bangalore**

### **Project Details: Real time Projects by Agni Students**

**A real time project titled “Fixing road safety checkers” for the Tamil Nadu police department.**

#### **About The Project:**

The Department of Tamil Nadu police-NILGRIS is in need of a proper facility for road safety and surveillance. Based on their request, our students have worked on a real time project “Fixing road safety checkers”

### **Achievements:**

- Project of S. Santhosh kumar & G.vasantharaja III ECE has been approved by the police of NILGRIS,
- Agni student's project has been implemented in the roads of NILGRIS to BURLAYAR.

### **Highlights:**

- Students were assisted by industrial expert Mr.SriShyam, a well known cyber security analyst.
- This is the first student project, implemented by NILGRIS police department.
- Based on the work carried by the students, the project was carried further to a count of 20, which were 10 initially.
- Students are still helping in assisting this system, and they are maintaining it, by the credentials provided by them.



**Execution of Project Road safety checkers - Snapshot**

### **Project Details:**

**Students Industry oriented Design Projects @ Ashok Leyland, Ltd., Chennai**

### **About the Project:**

Agni students were provided their technical solutions to the real time industry problems posted by Ashok Leyland Ltd., Ennore Plant, Chennai on 9th August, Friday.

### **Achievements:**

**Agni Students from Department of CSE have presented and got approved their innovative technical solutions for the problem posted by Ashok Leyland Ltd., Ennore Plant, Chennai . The software project is of Non- Working Day Approval mail to be converted In to an Single Converted Format. The students were received the confirmation and they are working on the same.**



**Agni Students @ Ashok Leyland Ltd., Chennai**

**Contest Details:**

**Activities on Institution Innovation Council (IIC) under Ministry of MHRD**

**About IIC:**

Ministry of Human Resource Development (MHRD), Govt. of India has established 'MHRD's Innovation Cell (MIC). MIC has envisioned encouraging creation of 'Institution's Innovation Council (IICs)' across selected HEIs. A network of these IICs will be established to promote innovation in the Institution through



multitudinous modes leading to an innovation promotion eco-system in the campuses.

**Activities of IIC:**

On occasion of MHRD Innovation Council (MIC)- Annual Innovation Festival our college has celebrated October 15, 2019 as Innovation Day- the Birth Anniversary of visionary and well acclaimed proponent of Innovative India, former President, Dr. A. P. J. Abdul Kalam. In this regard, most of the students actively participated to celebrate the Innovation Day in enthusiastic way. Total 71 no. of students participated in various events. The various events like Slogan writing, Essay writing, Debate, Poster presentation, Case studies on entrepreneur, Articles on innovation and entrepreneur, Short film on innovation, etc.,



**Agni CSE Students in Essay Writing & Poster Presentation on MHRD's Annual Innovation Festival**



**Agni Students on MHRD's Annual Innovation Festival**

### AGNI STUDENTS @ SOLAR EXPO:

Agni EEE students have visited the Solar Expo at Chennai Trade Centre on 3rd August 2019. In this expo 60 students were participated and gained exposure on various electrical systems used in Renewable energy sector.



**Agni EEE Students at Solar Trade Fair @ Chennai Trade Centre**



**Agni College of Technology at 4th WHO global forum on medical devices**



**“LOCUST  
KILLER  
DRONES”**

**300 DRONES**

**450 PILOTS**

**26 CITIES**



**Garuda Aerospace (P) Ltd**  
www.garuda-aerospace.com

**CALL : 9500088664**

**Agni College of Technology student pilots flying the drones of Garuda Aerospace (P) Ltd to address locust attack.**

# It's 'raining' sanitizer

City college drones fly high in bid to make Chennai corona free



Drone Drones were once looked at askance by Government because they fell into the grey area of security concerns. But drone companies are playing a key role in disinfecting places across the country during COVID-19. Chennai based start-up Garuda Aerospace is one of the companies catering to this need. 'Garuda is the first drone company to have got permission from ATC (Air Traffic Control), DGCA (Director General of Civil Aviation) and Wireless Planning Commission to travel across the country even during the lockdown. We have worked with various government organisations like the Tamil Nadu Electricity Board and Smart Cities like Varanasi and Bhopal and commenced operations at Raipur, Chandigarh and Vijayawada,' says Agnishwar Jayaprakash, who founded the company in 2016.

'We have also got enquires from Singapore, Malaysia and Thailand for

similar services there. Our work has attracted the attention of global investors who reached out to us to execute similar work in Spain and the UK with 1,000 drones,' adds the Harvard Alumnus and UN Youth Ambassador. Garuda Aerospace drones are used for 38 different operations, of which sanitisation is one. The company is working towards becoming the one-stop-destination for all sanitisation-related solu-



Agnishwar Jayaprakash

tions during COVID-19. For Agnishwar, born with a lung disorder, fighting COVID-19 is also something of a personal cause as the disease poses a serious danger to those with pre-existing respiratory problems. 'We want to constantly innovate and come up with as many technological innovations

as possible to combat this pandemic," he says. "Our existing fleet of 300 CK-100 drones can conduct sanitization operations covering 6000 km every single day", he explains. The company has deployed the fleet and 500 drone pilots in various cities. "Features like adding loudspeakers to make announcements, thermal imaging and aerial mapping are adaptations we are working on", Agnishwar adds. "We are very thankful to the Business Immunity Platform, AGNII and Invest India for recommending our services and supporting start-ups like ours, and for the endorsement by the Government of India for various sanitisation operations across the country." The company manufactures some of the parts for the drones, sources some from domestic partners, and imports the rest. The manufacturing facility of Garuda Aerospace is incubated at Agni College of Technology.

Sanitization by Agni College of Technology student pilots along with the drones of Garuda Aerospace (P) Ltd



Submit for Fact Check



Office of Principal Scientific Advisor to GoI

### **COVID- Disinfection in Varanasi using special Drones**

vulnerable urban areas: protecting city-dwellers from Covid-19, while reducing human contact to keep frontline workers safe.

Helping Garuda Aerospace, a Chennai-based drone startup, respond to Varanasi's interest in such disinfection: the team worked with Central, State, and local government authorities to help get Garuda's technologies and personnel to Varanasi. The team monitored and supported every step of this exercise: helping Government and innovator collaborate to fight Covid-19 together.

**COVID disinfection by Agni College of Technology student pilots along with the drones of Garuda Aerospace (P) Ltd**

# SURGICAL STRIKES ON CORONA VIRUS

By Garuda Aerospace &  
Agni College Students



COVID disinfection by Agni College of Technology student pilots along with the drones of Garuda Aerospace (P) Ltd



**Our Students with the Honorable Minister of Industry showcasing the Micro Gasifier Cook Stove Prototype**