



# Achievements

**A.Y. 2018-19**

<b>Event name</b>	National Students Space Challenge 2018
<b>Team Members</b>	Rohit Rajesh Pandey
<b>Brief Description</b>	<b>HOVERPOD</b> The team has to build a manually controlled, wireless, hovercraft that has the capacity to move through a predefined path. The path would consist of varied terrain, having potholes, water and other kinds of terrains as specified in the arena.
<b>Benefit to society</b>	High speed marine sub surface & ground scanning survey & detection, Rescue work from flooded areas, mud, sand, tidal areas, River, lake & port geological surveys
<b>Venue/Organization By Date</b>	IIT Kharagpur on 5 <sup>th</sup> to 7 <sup>th</sup> October 2018
<b>Position Obtained</b>	Third
<b>Photographs</b>	
	<b>Student of VIVA Institute of Technology at National Students Space Challenge 2018, IIT Kharagpur</b>

# Achievements

## A.Y. 2018-19

<b>Event name</b>	Anveshana 2018-19
<b>Team Members</b>	Sufyan Parkar, Rubini Pulliadi
<b>Brief Description</b>	<p>Nowadays, human has become too busy and is unable to find time even to switch off the lights wherever not necessary. The main aim of <b>smart room</b> is to save energy. This project presents the design and the implementation of a lighting system which is able to detect the approach of the visitors and then turn ON LED lights and fans. All lights and fans are equipped with the energy-saving function which will turn itself OFF automatically after the visitors' leaving. PIR (Passive Infrared) sensors are utilized in the system instead of a video camera for the purpose of both cost-down and privacy issue.</p> <p>Such smart room project can be implemented in class rooms, seminar halls, auditoriums, museums, art gallery, garages, staircases, bathrooms, etc. where we do not need continuous lights and or fans but only when we are present.</p>
<b>Benefit to society</b>	Room automation
<b>Venue/Organization By Date</b>	Nehru Science Center, Worli, Mumbai, Maharashtra 400018 during 18 <sup>th</sup> February to 20 <sup>th</sup> February 2019
<b>Position Obtained</b>	1 <sup>st</sup> Prize with cash prize of Rs 30000/-
<b>Photographs</b>	

AGASTYA  
INTERNATIONAL FOUNDATION  
BY P. HUMBURWALA FOUNDATION & OTHERS

In partnership with

SYNOPSIS®



Science & Engineering Fair  
18th, 19th & 20th February 2019 Mumbai

pleasure in awarding **1st Prize** of **Rs 30,000 /- (Thirty Thousand Rupees Only)**

the team comprising of PARKAR SUFYAN, PULLIADI RUBINI - VIVA IT VIRAR EAST


LAXMI SONTAKALE, SAYLI PATIL - UTKARSHA MADHYAMIK VIDYALAYA.

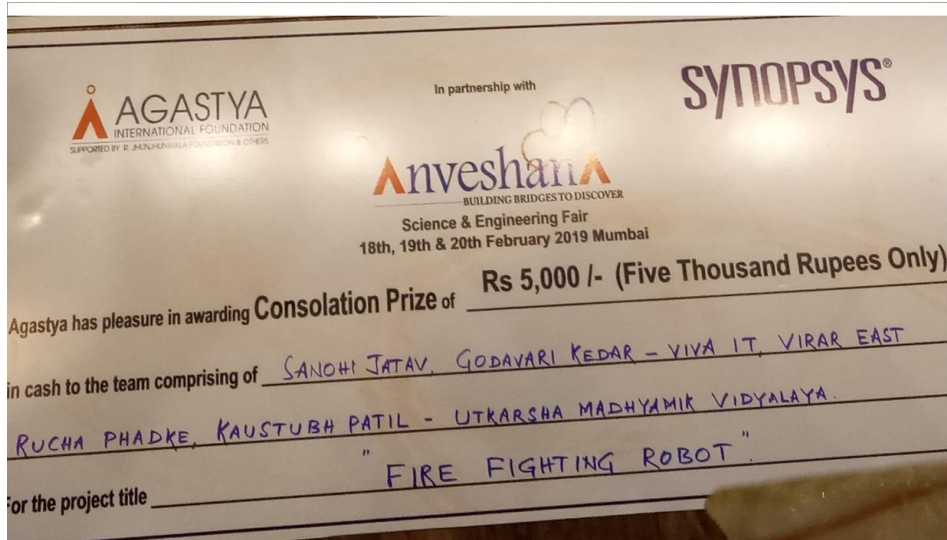
Project title "SMART ROOMS"



# Achievements


## A.Y. 2018-19

<b>Event name</b>	Anveshana 2018-19
<b>Team Members</b>	Sanohi Jatav, Godavari Kedar
<b>Brief Description</b>	<p>Expanding human population and growing industrialization, has led to a manifold increase in the number fire accidents. The physical limitations of humans to deal with these kinds of destructive fires combined with the adverse conditions, makes fire extinguishing an arduous task. The use of autonomous robots can reduce the errors and the limitations that are faced by human fire fighters.</p> <p>Fire Fighting Robot will be more focused on the construction of electronic circuit which uses ATmega 328P (Arduino board) as controller to control the motion of robot towards fire and pump out water around it. Fire accidents can occur anywhere at any time and it rapidly spreads causing havoc. The robot can be used in educational institutes, malls, industries, work places or rather anywhere.</p>
<b>Benefit to society</b>	Fire life saving
<b>Venue/Organization By Date</b>	Nehru Science Center, Worli, Mumbai, Maharashtra 400018 during 18 <sup>th</sup> February to 20 <sup>th</sup> February 2019
<b>Position Obtained</b>	2 <sup>nd</sup> Consolation with cash prize of Rs 5000/-
<b>Photographs</b>	



# Achievements

**A.Y. 2018-19**

<b>Event name</b>	Avishkar Research Convention:2018-19
<b>Team Members</b>	Rohit Rajesh Pandey Rahul Indrasen Mishra
<b>Brief Description</b>	AAGNEYA-The fire Drone  The drone is capable of emitting fire as well as can be used for spying purpose using thermal and fpv camera. This is capable of lifting 1.5kg of weights. It is capable of flying in in any wind condition.
<b>Benefit to society</b>	<ul style="list-style-type: none"> <li>• burning the obstacles can be removed off the over-head wires of trains</li> <li>• Used to spying on terrorist camp</li> </ul>
<b>Venue/Organization By Date</b>	Department of Student Development, University of Mumbai on 23 <sup>rd</sup> December 2018 at Ramrao Adik Institute of Technology, Navi Mumbai
<b>Position Obtained</b>	Selected for Final Round of 13 <sup>th</sup> Inter-Collegiate/Institute/Department Avishkar Research Convention:2018-19
<b>Photographs</b>	
	<p style="text-align: center;"><b>Students of VIVA Institute of Technlogy at Avishkar Research Convention:2018 at RAIT, Navi Mumbai</b></p>



DEPARTMENT OF  
STUDENTS' DEVELOPMENT

13<sup>th</sup> Inter-Collegiate/  
Institute/Department



**Avishkar**  
Research Convention: 2018-19  
(District/Zonal Level Research Project Competition)

## Certificate of Merit

This is to Certify that Ms. Nutan Malekar of VIVA Insitute of Technology, Shirgaon, Virar has guided a Research Project Titled AAGNEYA - THE FIRE DRONE in Engineering and Technology Category and UG Level at the Selection Round of 13th Inter-Collegiate / Institute / Department Avishkar Research Convention: 2018-19 held at Ramrao Adik Institute of Technology, Nerul, Navi Mumbai on 23 December, 2018 for All Engineering Colleges of all Districts zone. The said project is selected for Final Round of 13th Inter-Collegiate/Institute/Department Avishkar Research Convention: 2018-19.

DR. (MRS.) MINAKSHI GURAV

CONVENER

Avishkar Rearch Convention,  
University of Mumbai

DR. SIDDHIVINAYAK BARVE

OSD

Avishkar Rearch Convention,  
University of Mumbai

Dr. Sunil Patil

DIRECTOR

Department of Students' Development,  
University of Mumbai



23 December, 2018

University of Mumbai



DEPARTMENT OF  
STUDENTS' DEVELOPMENT

13<sup>th</sup> Inter-Collegiate/  
Institute/Department



## Certificate of Merit

This is to Certify that Mr. Mishra Rahul Indrasen of VIVA Insitute of Technology, Shirgaon, Virar Partecipated and Presented a Research Project Titled AAGNEYA - THE FIRE DRONE in Engineering and Technology Category and UG Level at the Selection Round of 13th Inter-Collegiate / Institute / Department Avishkar Research Convention: 2018-19 held at Ramrao Adik Institute of Technology, Nerul, Navi Mumbai on 23 December, 2018 for All Engineering Colleges of all Districts zone. The said project is selected for Final Round of 13th Inter-Collegiate/Institute/Department Avishkar Research Convention: 2018-19.

**DR. (MRS.) MINAKSHI GURAV**

CONVENER

Avishkar Rearch Convention,  
University of Mumbai

**DR. SIDDHIVINAYAK BARVE**

OSD

Avishkar Rearch Convention,  
University of Mumbai

**Dr. Sunil Patil**

DIRECTOR

Department of Students' Development,  
University of Mumbai



23 December, 2018