30 Innovators

CHILDREN'S INNOVATION FESTIVAL 2019

Ahmedabad

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CRC30 YEARS

Applications from

22 districts of Gujarat.

Youngest participant is of **4th grade**.

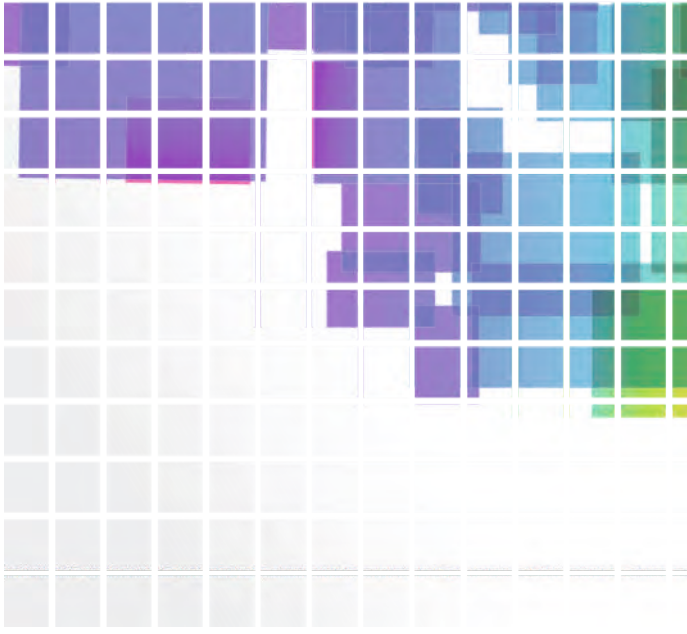
478 applications received

979 students

Bootcamp

114 teams in bootcamp

216 students in bootcamp



Top 30 teams

40 boys

23 girls

9 districts of Gujarat.

Youngest student **5th standard**

23 schools

Children Innovation Festival is envisioned to give a platform to young aspiring innovative minds and facilitate the emergence of children-led startups in Gujarat and across the country.

Dr. Himanshu Pandya, Vice Chancellor, Gujarat University

The future belongs to children. They are the harbingers of change and will lead India to its pinnacle of success. Creating opportunity & empowering children from a young age by channelizing their potential is the best way to contribute to nation-building.

Their inquisitiveness and indomitable spirit to stand up to challenges enable them to invent technology & innovation for tomorrow. They have the immense potential to bring solutions for societal challenges and problems.

Children Innovation Festival (CIF) is envisioned to give a platform to young aspiring innovative minds and facilitate the emergence of children-led startups in Gujarat and across the country.

Children Innovation Festival deserves to be lauded, for it has brought together bright young minds and mentors on one platform.

It's heartening to learn that children from across Gujarat have participated in this 'exhibition of talents'. Ideas on paper can hardly bring about a change in society.

Thus, providing mentorship to feasible ideas to develop it further considering the market is a right step towards adopting innovations in business. I congratulate GUSEC and Gujarat UNICEF for organizing this event. This kind of initiative will stir 'out-of-the-box' thinking, and the result would be solutions to issues the society has been facing.

My best wishes to young innovators of India who have the potential to change the future of India.

Laxmi Bhawani, Chief, UNICEF Gujarat

Education and Innovation should go hand in hand, for the purpose of education is to enable mind for exploring the prospects of a better life in tandem with the changing world.

But, while talent is universal, opportunity is not. Young people have the ideas and energy to create a better world for themselves – if only we give them the chance. It is our shared responsibility to create opportunity and platform for young minds to innovate and bring fresh ideas to solve their local, city, national and global challenges.

Initiative like Children Innovation Festival (CIF) is the 'chance' that avails children, their 'Right to Participate' – one of the most crucial rights declared in the United Nations Convention on the Rights of the Child (UNCRC). CIF is a definite step towards identifying, nurturing and supporting young people who have brilliant ideas but lack the resources to turn ideas into reality.

Innovation has no age and the proof is the response we have got in this maiden initiative to celebrate innovation & ideas by Children. We have got representation from 22 districts of Gujarat and more than 500 applications.

I want all participants to work as a collective force, and keep innovating, ideating, nurturing and exploring ideas that can make a real difference to the lives of people and thus create an innovative culture in the society to find solutions to emerging problems.

I thank all the supporters of CIF for supporting this initiative. Special thanks to GUSEC team and Gujarat University for partnership and for taking the idea ahead.

Automated CPR Device: Innovation Saving Lives

Team Lead: **Vidit Parikh**

Team Members: 1
School Name:
Anand Niketan,
Maninagar, Ahmedabad

Class/Standard: 9th

As the saying goes, three basic functions of news are to Educate, Inform and Entertain. Taking a cue from an article in a leading newspaper and realising the shocking revelations of lack of awareness about Cardio Pulmonary Resuscitation (CPR), the 9th student grade student comes with an innovative device 'Automated Cardio Pulmonary Resuscitation Device', an innovation saving lives.
In case of sudden cardiac arrest to anybody, performing CPR on him/her, before taken to any nearby hospital, can bring the fatality down by over 90 percent as medical practitioner says.
"We are a country of over 130 billion people and lack of CPR knowledge among the common citizen channeled me to design a ready to use, that to automated one, and fully functional CPR device to save lives of people," said Vidit Parikh.

"I want make my project a reality and available at all nooks and corners of the world, as I believe no one should die out of hospital due a lack of awareness about an important technique. Also, I would like to start project's start up initiative and serve it to as many as possible.I want to scale it up to maximize its use and effectively bring down the fatality caused due to sudden cardiac arrest", he added.

Explaining the basic unction of CPR, he says CPR is a method of providing chest compressions to facilitate of flow of oxygen to the lungs of the affected people. However, a lot of people are out there with knowhow of how CPR works, but numbers are less.

Vidit, replying to a question on most pressing challenge he wants to address in the next four decades. "I want to work for the continuous improvement in Healthcare sector. Also, I would wish to make a project or propose an idea to decline the number of rape cases in the world",

"My innovation is according to me very prestigious to a human life. So, I would like to make my project a reality but on the other hand would love to seek guidance and spread the knowledge of CPR technique," he added.

01

02

Automatic Farm Protection System

Team Lead:
Harshkumar Panchal
Team Member:
Rafikmiya Qureshi
School Name:
Shree Saraswati Vidhyalaya, Ramas, Bayad
Class/Standard: 10th

To safeguard the farmlands from animals and creatures like wild ass, blue bull and birds, Harsh Panchal, Rafikmiya Qureshi and Unmesh Patel from Shree Saraswati Vidhyalaya, Ramas have developed an automatic system. The system is equipped with Artificial Intelligence based laser lights, flash lights and sirens which make sure agri-fields are protected round the clock with flash lights during nights and sirens in day time.

The class 10 students successfully tested the system at Jagdishbhai Dheerubhai Patel's 50-acre fields in the Ramos village for 45 days. They also have the videos for the review of the automatic farm protection system. The multipurpose protection system can also be used at houses, stores, banks and commercial establishments, etc.

"As we come from a remote backward village and livelihood there depend upon the agriculture where science and technology rarely reach. And this prompted us to develop a system that will help protect our farmlands," said the students.

"India is an agriculture-intensive country and innovation like this will not only bolster the economic condition of farmers but also of the country and, therefore, one should innovate," they said while speaking on why one should innovate.

Human, Nature Friendly Biolungs

A short visit to a nearby village for three class 12 students -- Snehrajsinh Zala, Devansh Badiani and Dev Kananabar -- from S N Kansagra School has changed the way they see the life. They observed how difficult the life is for people living in villages, especially women preparing food on traditional chulha (oven) in traditional set up of kitchen.

They saw how smoke -- resulting from coal/wood burning in *chulha* while cooking -- posing dangers to the lives of women. This fired them to think of an innovative system and thereby they developed a protable bio digester - Biolungs.

The Biolungs has two chambers, wherein one chamber forms gas after burning the biofuel/bio waste while other stores gas so formed. And this completely rules out the production of smoke.

"Pick out the basic problem people facing in their day-today life and try to find out the environment and people friendly solution at relatively low cost," Snehrajsinh said while speaking on to why one should innovate.

"Rapid decline of non-renewable source of energy is the most pressing challenge we are facing today and we are look forward to work towards green energy in the next 30 years to mitigate the problem," the troika said.

"Thinking big and everything is possible, are our biggest learning from the CIF 2019 Bootcamp," they said on an ending note.

Team Lead:
Snehrajsinh Zala
Team Members:
Devansh Badiani
and Dev Kananabar

Class/Standard: 12th

03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Aditi Pant
Homi Bhabha

04

THE PAPER: Do Not Catch Fire

Team Lead:
Saksham Solanki
Team Member:
Alok Aditya
School Name:
K.V Eme No.2, Vadodara
Class/Standard: 10th

Thomas Alva Edison may have failed over 10,000 times before inventing the tungsten bulb, but Saksham Solanki and his friends found an alternative and an innovative way to produce a perfect paper 'THE PAPER' in his 6th attempt without felling trees.

A group of four class 10th students used banana peel and corn husk to produce the paper which has all the feature of a conventional paper. It is semi fireproof as it does not catch fire from a tiny spark as it is the case with conventional paper. Thus, it rules out any accidental fire in office/home.

Saksham Solanki, Harsh Kumar, Rachit Vats and Himashu Mishra found their inspiration during a routine classroom lecture on wasting paper. It hit them hard and inspired to dig deep and found a way to produce an alternate paper without harming environment.They found their solution in banana peels and corn husk as raw materials for the paper.

"Innovation paves way to a certain problem which cannot technology cannot cure alone. Moreover, innovation is a method where an innovator combines both the solution and perfectness through the means of the limited available resources, they said replying to a question on why one should innovate.

"The rate with which we are felling the trees for various purposes, the survival of the human beings will be the most challenging task in years to come. And we will like to address the issue in next three decades from now on", they said.

They want to get their innovation patented then move ahead with its various applications in daily lives.

Invention is not important but carrying innovation for the world is important was the biggest learning from the CIF 2019 Bootcamp.

Breeding plastic - Eating Microbes

"By 2050, there will be more plastic than fish in the ocean," says a recent research.

Marred by the harsh realities of ever-growing global menace of plastic, Ishan Joshi, class 9 student, aims to work on plastic eating bacteria. It converts PET (Polyethelene Terephthalate) to MHET (Monohydroxyethyl Terephthalate Acid) and release carbon as byproduct. The leftover materials, after the bacterial decomposition, can be used in textile industry for fabric production.

'Ideonella Sakaiensis' and 'Exigobacterium' are two such bacterium -- discovered in Japan and India, respectively – which convert common plastic (PET) to MHET. However, these bacteria need to be genetically modified to decompose plastics more efficiently and in less time.

Moreover, breeding these plastic eating microbes will not only help solve one the plastic problem but also fuel setting up a billion-dollar business industry resulting in economic dividend.

"In a science magazine, I read plastic takes 500-1,000 years to decompose. And the word decompose channeled my mind to bacteria. What if bacteria used/developed to eat/decompose the plastics", said Ishan.

"In the next 30 years, I want to extensively work on ways to solve the plastic menace", Ishan quipped.

Explain the future plans course of action he said, "I would love to scaleup my idea and innovation to the full-scale industrial and commercial business level, for which my Business Canvass is all ready.

"For me the biggest learning curve at the CIF 2019 Bootcamp would be, how to convert your small thought/idea into a large-scale commercial business," further adding Ishan said.

Team Lead: **Ishan Joshi**

Team Members: 1
School Name:
Zebar School For Children, Ahmedabad

Class/Standard: 9th

05


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Kalam Homi Bhabha
endra Nath Bose
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06

Compost Machine

Team Lead: **Dhanesh Bhatia**

Team Members: 1
School Name:
I B Patel English School (Primary School), Anand

Class/Standard: 9th

Food waste -- be it from common household, restaurant, street food vendors or from any other place – becoming a grave cause of concern. It is causing not only sanitation issue, especially in urban areas, but also a great danger to health and hygiene. And to effectively address the issue, 9th grade student, Dhanesh Bhatia from I B Patel English School, has came with an idea of Compost Machine.

The conventional looking compost machine, designed by Dhanesh and fitted with GPS tracker, will cut the food waste into fine pieces. It will be then pressed hard to separate juices/slurry from the dry food (biomass) waste mass. The juice/slurry will be fed to metal container which will produce methane gas after further decomposition and can be used as fuel for various purposes, like cooking gas, etc. The dry mass will be producing the compose which can be used in agricultural field as organic compost to boost the land fertility.

India produce over 1.5 metric tonnes of solid food waste daily, which poses a big dumping problem. Almost all the megacity today has a sizeable mound of waste mountain at its outskirts, including Pirana Mound in Ahmedabad.

“Innovation increases our thinking capacity and intelligence quotient of human brain IQ”, he said replying on why one should innovate.

“In the next 30 years, I want to work on how to effectively address the various problems caused by solid waste generation, which is creating small-to-medium sized mounds in almost every city”, he said.

“Each ward should have one of these machines,” he said when asked to explained his future plan.

The biggest learning curve for me at the CIF 2019 Bootcamp was the 'Business Canvass' and 'How to Pitch Your Idea'”, he added.

Connect Tech

To maximize the effective utilization of digital platform, information technology and app driven world, three friends -- Devanshi Dhulia, Prerna Patel and Pavitra Parsana from S N Kansagra School – have developed an application 'Connect Tech' to store and safe keeping of all the financial and non-financial documents.

Explaining the merit behind the 'Connect Tech' they said that our Indian society/family is driven by members and hence they primarily deal with financial and non-financial documents. Female members of the house or family barely know about or have any knowledge of any investments and/or financial and nonfinancial dealings/papers. However, in situations like sudden demise of single breadwinner in the family, the app comes to the rescue/help the aggrieved member and keeps one connected and in synch with all the important document accessible with a touch of finger.

“Innovation helps in developing original concepts while giving the innovator a proactive, confident attitude to take risks and get things done”, Shyam Dhamsania said.

“In the next 30 years of my life I will like to work around Indian families and aware them about how to deal with the situation in faces with sudden problem”, he added.

“Besides importance of Innovation and Creativity, the biggest learning for me at the CIF 2019 Bootcamp, was how effectively one can pitch their innovation and creativity to people”, he quipped.

“Last but not the least, social welfare is the driving force of our ideation. Moreover, it is a gratitude towards the society which has showered us with full of opportunity and kindness”, he added.

Team Lead:
Shyam Dhamsania
Team Members:
Devanshi Dhulia, Prerna Patel and Pavitra Parsana
School Name:
S N Kansagra School, Rajkot
Class/Standard: 11th

07

08

Cycle Pump, Seed Drill

Team Lead:
Rahul Solanki
Team Members:
Parth Labkamna
School Name:
Shree Brahmanand Vidhyalaya-Dhangadhra, Surendranagar
Class/Standard: 10th

Around 70% of population in India engaged in agriculture and related activities directly or indirectly. And the activities – right from sowing to sowing to harvest -- entails a lot of labour, hard work, time and money.

And in order to bring down the cost, labour and address these, two class 10th students -- Rahul Solanki and Parth Labkamna from Shree Brahmanand Vidhyalaya (Dhangadhra) – have developed a 'Cycle Pump' and 'Seed Drill'. It will not only bring down expenses to a great deal but also help save time and labour.

Some of the notable advantages of the cycle pump and seed drill are no farmer needs to carry any weight anymore, no direct contact with insecticides and young as well as adult person can use this.

Rahul said, "It can be used for various other purposes like in monsoon it can be used as fogging device. Our teacher is the driving force for us to develop the pump and drill".

Further adding the team said that it was our teacher's suggestion to work on something innovative that is easy to operate, require less energy to carry out agricultural work and pocket friendly as well. They added, "After spending hours on researching we designed and developed the pump an drill, which serve all the purposes our teacher had envisioned".

Besides, further upgrading the functionality of pump and drill from manual to remote controlled automatic mode and to take it on the large-scale production in near future. The duo wants to work on and seriously address the issue of global warning in the next three decades.

"The concept of innovation is the biggest takeaway for me from the CIF 2019 Bootcamp", they said.

Drishti: A vision to excel in life

A class 11th student Arnav Chopra, from Ahmedabad International School Ahmedabad, has developed a voice-enabled online testing platform 'Drishti' (vision) for blind people. The blind people cannot see but Drishti will give them the vision to help them in practice and prepare online for various government job examinations. Drishti has been developing in association with Blind People's Association (BPA), an NGO based out of Ahmedabad.

The idea to develop the platform propped up in his mind while he was associated with BPA in Ahmedabad. While interacting with students at BPA, he realized the blind students face a lot of difficulties in preparing for various (state/central) government job examinations, all of which have gone online today. But these people have to depend on offline means (audio tapes, etc) to prepare for those exams.

Drishti is becoming their vision to the world of online examinations and giving them an opportunity in adequately preparing for online test, mock tests, etc. As of now the platform is available online in Hindi, Gujarati and English.

Drishti has already been used in successfully conducting more than 1,000 tests across Gujarat. And the developer is working on to expand it to entire country with active collaboration of like-minded people.

Arnav believes, "Innovation is the answer to every problem, be it small or big."

"Humanity facing problem is the most pressing challenge and by harnessing the power of technology, Artificial Intelligence and machine learning can help address it all for once and all, said the innovator.

"Innovation knows no boundaries", is my biggest learning from the CIF 2019 Bootcamp.

Team Lead: **Arnav Chopra**

Team Members: 1
School Name:
Ahmedabad International School, Ahmedabad

Class/Standard: 11th

09

DUOTTLE: A bottle twice refreshing

Team Lead:
Saakshi Desai
Team Members:
Hiya Suba, Hiya Gaywala and Hinal Ghelani
School Name:
S N Kansagra School, Rajkot
Class/Standard: 11th

Four friends -- Saakshi Desai, Hiya Suba, Hiya Gaywala and Hinal Ghelani -- all from S N Kansagra School have designed a two-way bottle 'DUOTTLE' which can be filled from top and bottom and can hold two kinds of liquid.

The Duottle will be very handy especially for the family travelling with their toddlers. The parents, instead of carrying two separate bottles – one each for water and milk – a single DUOTTLE bottle can be used to carry milk and water in it. Even it can helpful for the school and college going students with cravings for two liquids, for example soft drink and water or water or juice, etc.

“The idea to develop the bottle came during a programme 'Think out of the box' held at our school. The programme was aimed at propelling us to think out of box for innovation which will serve our mother earth and also fulfil the United Nations Sustainable Developments Goals (UNSDGs)”, they said replying to question on how they came up with the idea.

Speaking on why one should innovate, they said, “One should innovate to make living simpler and innovations are key to survival.”

Global warming, according to them is the most pressing problem the world currently is facing. It is threatening all the life forms on earth and will eventually destroy the earth we all live on if it is not controlled.

“To keep innovating and to learn from mistakes”, is our biggest learning from the CIF 2019 Bootcamp.

AI enabled Emergency Guidance & Notification System

Two 10th grade students -- Aabhas Senapati and Aadityaraj Mohta -- from Zydus School For Excellence have developed an Emergency Guidance and Notification system equipped with Artificial Intelligence. The device/system can save precious lives in case of any emergency in places like homes, offices, malls, industries, etc.

In case of any emergency, the AI-enabled system will not only analyze the kind of emergency situation through its AI sensors but also will inform people around and what immediate action to take to save valuable lives. As observed, in emergency situations people often get panicked, end up taking wrong decisions.

Moreover, it will also control the electrical appliances, take safety measures and contact nearest emergency service for help, besides notifying the owner. Though the device can take help from Internet but it can function to its full potential even without Internet.

Aabhas said, "People losing their lives due to wrong decision taken in certain emergency situations are the driving force to made us think and develop this system".

"Innovation is to solve the day to day problems people face on a daily basis", the innovators said while speaking about the need for innovation.

It's not important to create new inventions/solutions, but it's important to create solutions which are sustainable and do not lead to more problems. Be innovative and be a good learner are our biggest learning from CIF 2019 Bootcamp.

Team Lead:
Aabhas Asit Senapati
Team Member:
Aadityaraj Mohta
School Name: Zydus School For Excellence, Ahmedabad
Class/Standard: 10th


Abdul Kalam
Marie Sklodowska
Louis Pasteur
C.V. Raman
Michael Faraday
Edison
Aditi Pant
Vikram Sarabhai
Homi Bhabha
Louis Pasteur
Ramanujan
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12

Fusion Drive at Normal Temperatures

Team Lead:
Jaimik Patel
Team Members:
Pratham Patel, Dev Kshirsagar and Tirth Shripal
School Name:
Shri J B Shah English Medium School
Class/Standard: 9th

A group of four students from Shri J B Shah English Medium School is working on an innovative fusion drive fuel using Lithium (Li7) and Hydrogen (ionized protons) to power rockets launching satellite in future.

This will drastically bring down the expense of firing the payload at Low Earth Orbit. Today firing a rocket in space with 1 kg of payload costs Rs 14,00,000, but the fusion drive will help fire 1 ton of payload to earth's orbit and to lunar at the same cost.

According to the students -- Jaimik Patel, Pratham Patel, Dev Kshirsagar and Tirth Shripal – the drive will generate lift off of 40,000 m/s of speed in its first minute of combustion. Moreover, every molecule of 17.2 fusion fuels will generate a power of 17.2 MeV that can easily facilitate interstellar travel, future human survival and study of the cosmos.

"The idea came while reading reports on future space exploration programmers and the massive cost involved in it. The question was, can we minimise it? And hence we tried Li6 with D2 of Hydrogen, which proved futile. But we found the possibility in fusing Li6 with ionized protons of Hydrogen," they said.

"One should innovate because it is a key for the beginning of a new era for science and humanity," Jaimik said, speaking on the need of innovation.

"Developing efficient rocket fuel is the most pressing challenge for the expensive space missions and we work on to develop it in the next 3 decades," he added.

"Innovation is a key to change an era," is our biggest learning from CIF 2019 Bootcamp, the students said.

Automobile Gas Filter

A young innovator Heer Shah from C N Sheth (English Medium) school developed a unique gas filter for automobiles which effectively cuts out all the harmful exhaust emission releasing to environment. And, thereby, it's a support system for creating a pollution free environment.

The device consist of two chambers along with a filter that is sand-witched between the first and the second chamber.

Talking about the genesis of the device, the 11th grade innovator said that he had prepared as part of science exhibition in her school. The project had bagged her the gold medal in the exhibition. She said, "The idea to work around the theme pollution came following alarming rate of fatality (15 million annually) due to air pollution. Moreover, industries use capacity sized filters but what about the automobiles".

"One should innovate to make living better, address problems and to extent our help not only to the humankind but also the environment," she added.

Heer confidentially said, "In the next 30 years, I want to address the acute problem of pollution and depletion of natural resources".

The young inventor who aims to scale the idea to the commercial level says that we should never stop thinking about over things that amaze us.

Team Lead: **Heer Shah**

Team Members: 1
School Name:
Sheth C N English Medium, Ahmedabad
Class/Standard: 11th


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Cow byproducts to Medicines

Team Lead:
Harsh Sanghani
Team Members:
Jimit Modi and
Shagun Jain
School Name:
Sattva Vikas School,
Ahmedabad
Class/Standard: 9th

You must have heard of the most commonly available cosmetics in the market are made using semi-precious to precious raw material. But have you ever heard of cosmetics and other essential products made using cow dung and cow urine as key raw materials? What? No!

Okay, then you may be hearing it for the first time. Yes, right, three 9th grade students -- Harsh Sanghani, Jimit Modi and Shagun Jain – from Sattva Vikas School have come out with an idea of producing range of cosmetics and other essential products using cow dung and urine as the raw materials.

The troika is aiming to produce scrub, floor cleaner, moisturizer, lip balm, mosquito repellent and many more such products.

Harsh said, "I want to make all this because this can be helpful and useful to all the citizens of our country. I want to become an entrepreneur and aiming to make cost-effective and innovative daily use essential products. And, therefore, I want to make products which are affordable and effective without any side effect,"

"One should innovate so as to solve the problem of society we live in and to help the people in need", he added.

The team said, "On an average, 5 billion kg of cow dung and 3 billion liters of cow urine go waste daily. And we want to use this and in return cattle breeder and farmers will have sound monetary gains".

"The biggest learning take away from the CIF 2019 Bootcamp include 'How to pitch our idea', 'Business Model Canvas' and 'How to Innovate", they added.

Oral Medicine Dispenser

Keeping aged people in mind who often forget to take medicines on time, especially those on routine medication, Pawan Kumar Thakur and Jaiswal Himani–students from Jay Ambe International School-- have designed an Oral Medicine Dispenser. The palm-sized dispenser is very useful for elderly people as it will not only remind them but also dispense the required medicines.

"The idea fist struck while we were discussing about the possible problems -- often old, aged and retired people face in their life – and their solutions with our teacher at our school. Among the various things we discussed, the problem of aged people failing to take medicines on time as they often forget about it. Bingo! And there the idea about Oral Medicine Dispenser cropped up", said Pawan Kumar Thakur and Jaiswal Himani.

Speaking on the necessity and why one should innovate they said, "Innovation is the only way to explore the unknown world."

The most pressing challenge the duo want to work on the next three decades from here on is to work on increasing overall lifespan of common people. Moreover, they are also aiming to upgrade the model to be useful for differently abled people.

"The 'Business Model Canvass' was the biggest learning curve for us," the duo quipped.

Team Lead:
PawanKumar Thakur
Team Members:
Jaiswal Himani
School Name: Jay Ambe International School, Bharuch
Class/Standard: 9th


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Polyrip: No more spillover

Team Lead:
Namrata Talsaniya
Team Members:
Devi Shukla
School Name:
S N Kansagra School, Rajkot
Class/Standard: 11th

Two 11th grade students -- Namrata Talsaniya and Devi Shukla – from S N Kansagra School have developed a very simple but useful device 'Polyrip' which helps in avoiding spilling of the dairy products (like milk, ghee, buttermilk, etc.) packed in plastic pouches. It has been observed that spillover has always been an issue while handling such products at our home as well as outside.

"Often seen that after cutting the dairy product bags it slips from our hands and liquid spills all over making kitchen platform untidy. We started to look for a solution to this problem which almost everyone faces at their home. 'Polyrip' is the answer as it helps in holding the bagged liquid products in upright position", they said.

Further adding they said that their mentor often say that to make life easier look for simple everyday life problems and find an innovative solution.

"Innovation makes it easier to grow, regardless of the size of the business", the duo said while replying to a question on why one should innovate.

"The plastic menace is the most challenging issue we are facing today. Our focus is to mitigate in the next 30 years with innovative solutions," they said.

"Asking for feedback' was the biggest learning from the CIF 2019 Bootcamp", they said.

R3N: Reuse, Reduce, Recycle Newspapers

Two young innovators Dhruvi Punjani and Aleena Khimani from S N Kansagra School has found a very novel way to reuse the newspaper and transform into certain products which are commonly used. Recycling the newspaper, the 11th grade innovators have made waterproof and durable products like compass box, pen stand, dustbin, writing pad, tea coasters, key chains, and paper weights.

These products are as good as plastic or wooden ones and can be customized as per the needs and requirements.

"Idea took off while looking for the alternative to plastic, which is adversely impacting the health of mother earth. Even the government support is there in the form of initiatives and policies going on the lines of United Nations Sustainable Development Goals (UNSDGs)," duo said.

Going further and adding on why one to innovate, they said, "Innovate to facilitate better products for the mass consumption with reasonable pricing."

"We will like to find innovative solution focussing on recycling to address the ever growing menace of plastic pollution", they quipped.

Opening on future plans and biggest learning from the CIF 2019 Bootcamp, they said, 'How to pitch your idea' was the most enriching learning for us."

Team Lead:
Dhruvi Punjani

Team Members:
Aleena Khimani

School Name: S N Kansagra School, Rajkot

Class/Standard: 11th

17


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AIM
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Mohwani Jadeja
lixir

Ridge Tiller: No more stubble burning in fields

Team Lead:
Aesha Zaveri
Team Members:
Rajvi Patel and
Muskan Patel
School Name:
S N Kansagra School,
Rajkot
Class/Standard: 11th

To tackle to issue of agricultural fields put on fire after harvesting to mitigate the remaining residue, three friends -- Aesha Zaveri Rajvi Patel and Muskan Patel -- from S N Kansagra School have developed a machine 'Ridge Tiller'. The machine mixes the crop residue with the soil without burning the farm and thereby enhancing the fertility of the soil to a great extent.

Recently there was huge coverage and uproar in Parliament as well as on street around the stubble burning issue. Moreover, report were also doing rounds that it is causing severe air pollution in its neighborhood regions/states.

"We got our inspiration to develop prototype machine during an event 'IPM' our school hosts to promote innovation at the early age. Moreover, our school helped us in developing our first prototype of the machine." they said.

"Had it not been the Innovation, we might have still been living in the forest. And, therefore, we can say innovation helps in upgrading the society and enhancing people's way of living," they opined on why one should innovate.

The troika of innovators will like to work on addressing the issue of climate change in the next three decades from here on.

The young innovators are working on to include motor/solar panel to upgrade the machine to go fully automatic.

"Thinking out of the box" was the biggest learning from the CIF 2019 Bootcamp, they mentioned on ending note.

Saga of Sagacity: Bring Mother Nature to people

Most people today are moving towards chemical-based medicines and products for almost everything, including personal care and hygiene. However, all such product have one or the other short or long term side effects, which people generally ignore.

However, a young budding mind -- Ananya Satish Pisharody – from Siddharth'S Miracles School is aiming to bring people back to mother earth and looking to develop products made purely from natural herbs and plants with medicinal use.

Ananya, a passionate lover of flowers and plants, said that plants and herbs can do wonder to people. It can help us to look good and being healthy. And the herbs and plants based products will be like mother nature, in its various forms, closer to people and society. Ultimately it will pursue people to go closer to nature and away from chemical-based products.

"Innovation can bring changes in the world and the world right now is in the great need of change," Ananya said wile reflecting on why one needs to innovate.

"I will extensively work on to bring back Mother Nature into everyone's life in the next 30 years of my life," one of the youngest innovators at the CIF 2019 Bootcamp said.

For the 5th grade student, 'Never drop the idea of being innovative' was the biggest learning at the CIF 2019.

Team Lead: **Ananya Satish Pisharody**
Team Members: 1
School Name:
Siddharth'S Miracles, Gandhinagar
Class/Standard: 5th

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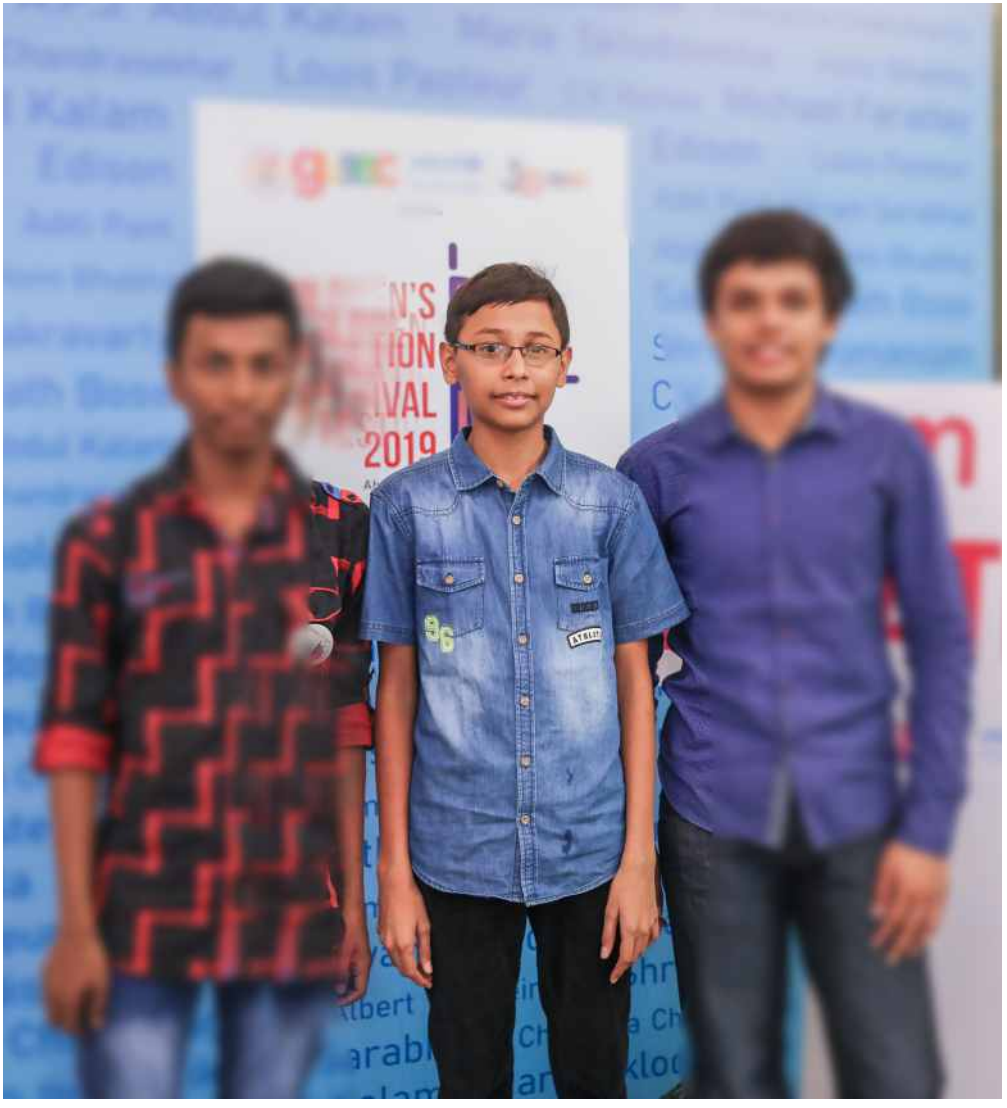
2019

Smart Agriculture via Artificial Intelligence

Team Lead:
Vimarsh Shah
Team Members: 1
School Name:
Zydus School For Excellence, Ahmedabad
Class/Standard: 10th

Vimarsh Shah, a young innovator from Zydus School for Excellence, has developed the concept of Smart Agriculture where a robot can carry out the works in the fields on its own.

It is comprised of a robot that move around in an agricultural field connecting to a local mesh network that collects weather and soil data to irrigate the fields accordingly. Besides, the robot also detects crop disease and accordingly updates all the data to a cloud server.

The idea has already received accolades from various quarters of society during the course of its presentation at MakerFaire (California), MakerFest (Ahmedabad), Vikram Sarabhai, etc.

Vimarsh said, "India being an agro-based economy and thus it needs to accelerate its overall produce. And with the modernization of sector with implementation of Artificial Intelligence it can be achieved. Moreover, the advancements of robotics and AI can help us in detecting plant diseases and minimise use of water in irrigation".

"One should innovate because 'Innovation drives progresses", he added while reflecting his thoughts on why one should innovate.

On the biggest learning outcome of the CIF 2019 Bootcamp, he said, "The concepts around self-sustainable startup and startup cycle were key take away."

Smart Blind Stick

Can you imagine a visually impaired person effortlessly walking through a street or path filled with various obstacles? Generally, people will say it's highly improbable, unless the person is well versed with the street.

Believe, with the invention of 'Smart Blind Stick', it will be the thing of past now and any visually impaired person equipped with the stick will easily manage the obstacle along the street.

Raj Pandya, a 7th grade student from Diwanballu Bhai School, Kankaria – has developed the stick, fitted with Artificial Intelligence sensors, to detect obstacle. And, thereby, helping the visually impaired person to take a detour or recourse to avoid the obstacles.

"Attending various sessions conducted by Gujarat University Startup and Entrepreneurship Council (GUSEC) as well by UNICEF inspired me to do something for society and people," Raj said.

Reflecting on why one should innovate, he said that technology is advancing at a break neck speed and, therefore, one should innovate to develop its own skills to be with the time.

The budding innovator is aiming to make the smart stick more efficient and user friendly in the next three decades.

"To develop skills to design things in different way is the biggest learning outcome for me from the CIF 2019 Bootcamp," Raj said on an ending note.

Team Lead: **Raj Pandya**

Team Members: 1
School Name:
Diwanballu Bhai School, Kankaria, Ahmedabad
Class/Standard: 7th


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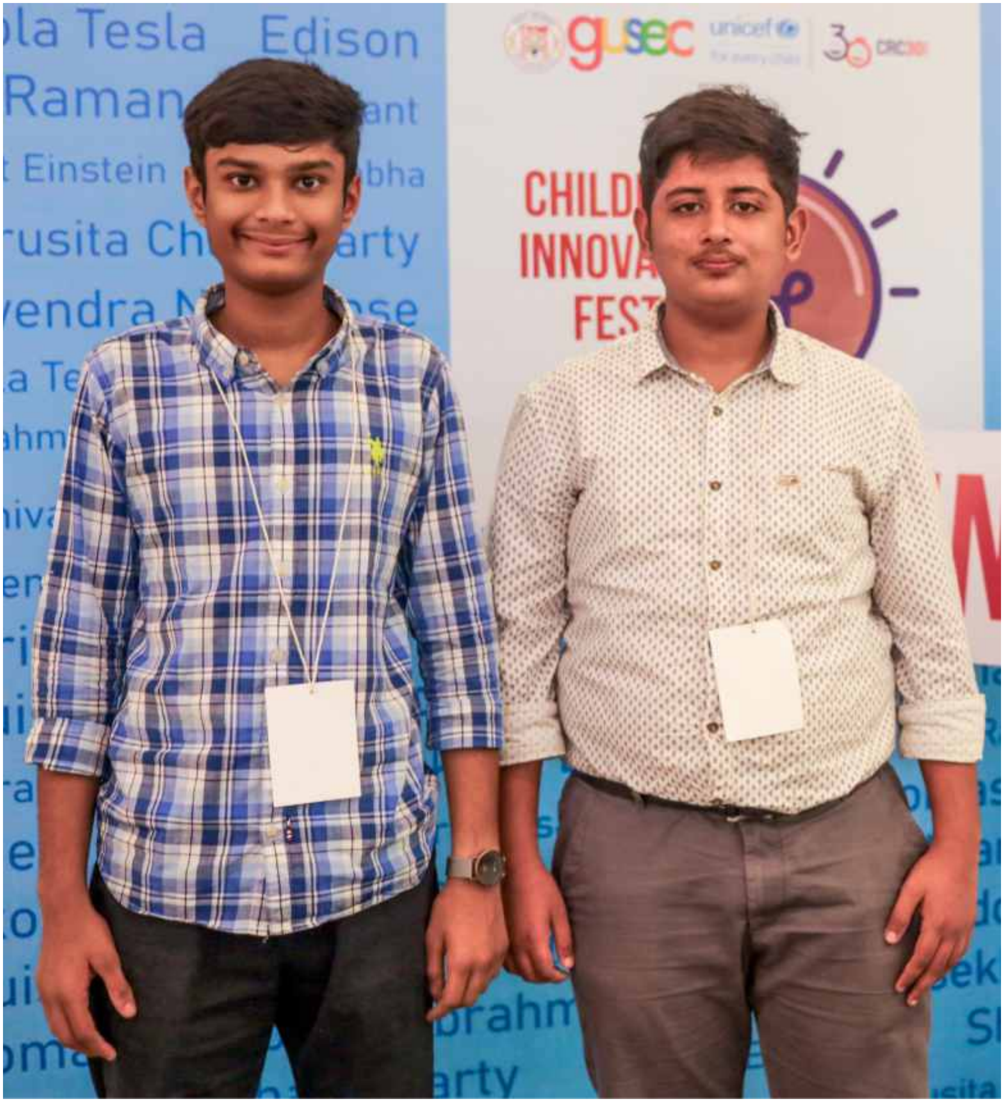
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Smart Car with Unique Features

Team Lead:
Darsh Kadakia
Team Members:
Abdul Patangwala
School Name:
Navrachana Vidyani Vidyalaya, Vadodara
Class/Standard: 9th

A group of two friends - Darsh Kadakia and Abdul Patangwala – from Navrachana Vidyani Vidyalaya has developed a car enabled with some state-of-the-art unique features. These features make the car and its occupants safe at all times, even if it's being driven by a person under the influence of alcohol or feeling sleepy.

Some of the key unique features of the car are alcohol detection & engine locking system, collision avoiding system, RFID door key, Bluetooth connectivity and fitted with anti-sleeping glasses.

"The driving force to thing about a featured car came to use following an accident our teacher met when her car was hit by another car driven by a person driving under the influence of alcohol, "explained Darsh, one of the young innovator.

The duo said, "One should innovate to help and support living livelier and more comfortable,".

They shared that the most pressing challenge is the mentality of people of not valuing their own life. We would be working on our ideas to bring change in their approach.

Smart Dustbin with proximity sensors

We all must have seen one of the other kinds of ordinary dustbin placed at various places. However, a troika of Ahan Bansal, Kulvir Chavda and Shreyan Shah – from Nirma Vidyamandir School – has developed a smart dustbin which automatically segregates dry and wet wastes. Moreover, the dustbin has been made using Arduino Technology -- an open-source electronics platform based on easy-to-use hardware and software -- and is equipped with a flap which opens the moment somebody comes in its proximity.

The class 10th students outlined newspaper article as their source of inspiration.

"The articles in newspapers regarding the waste management problems -- faced by the authorities at Pirana landfill in Ahmedabad -- were the driving force for us to think of a possible solution. However, developing the smart dustbin would not have possible, had it not been the support from the school, especially the teacher in-charge Sony Bhattacharjee," innovators said.

Speaking on why one should innovate, they said that innovation is the need of the hour. More so, Innovation is a symbol of development and no development can go without innovation.

"The issue so local warming and improper waste management is the most pressing challenge the society facing today and we will like to address this issue in the next three decade", they said.

"The biggest learning for us at the CIF 2019 Bootcamp was 'How to pitch your idea', they added.

Team Lead:
Ahan Bansal
Team Members:
Kulvir Chavda and Shreyan Shah
School Name: Nirma Vidyavihar, Ahmedabad
Class/Standard: 10th


A.P.J. Abdul Kalam
Nikola Tesla
Edison
C.V. Raman
Albert Einstein
Charusita Chakra
Satyendra Nath
Louis Pasteur
Michael Faraday
Satyendra Nath Bose
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Mobile Smart Life Saver

Team Lead:
Dev Dave
Team Members:
Krish Saija
School Name:
A G High School, Ahmedabad
Class/Standard: 9th

Concerned over ever increasing rate of crime, especially against the lonely and aged people, two class 9 students -- Dev Dave and Krish Saija -- from A G High School has developed an Artificial Intelligence enabled device named 'Smart Life Saver'. In case of an emergency the device will automatically inform the people, designated from the contact list, about a possible danger by sending an SOS in form of a Short Message Service (SMS).

The device works on the principal of heightened pulse rate. Often it has been observed that pulse rate goes abnormally up or down in case of any emergency in situation like stalking or fear of any unknown danger or anxiety. The devised is made in such a way that it activates the emergency system the moment it realizes pulse rate going above 250/minute of below 15/minute.

Dev said, “We got the idea to make such device/system from the fact that in many criminal cases police go clueless in absence of any credible proof while investigations are on. This will serve to individual safety and also help police in various ways”.

On need for innovation, Krish said, “One should innovate because people have ideas that can do wonders if there are brought on table and it will elevate society and people in it”.

“Never to give up shall be our biggest learning from CIF 2019 Bootcamp,” they quipped.

Smart Shoes: No more stepping on stone

Two 7th grade students -- Priyanshi Lakhtaria and Isha Makadia -- have developed Smart Shoes with proximity sensors as well as siren and are suitable to all, but more useful for vision impaired people. The moment someone wearing the smart shoes comes in the proximity of pit or obstacle in the path, the siren starts buzzing.

The innovator duo from Shree GK Dholakiya Primary School got the inspiration for the shoes from an incident they witnessed. They saw a vision impaired man unknowingly stepping over a small stone -- while walking along a path -- leading to lose of balance and eventual fall.

“Innovation is the key to upliftment of society and its people,” said the young innovators while reflecting on why one should innovate.

“Diminishing value of humility is the most pressing challenge we all facing today in our society. However, I we want to work tirelessly to bring back up value of humility and people to people connect in the next 30 years from now”, Priyanshi and Isha said.

For us 'How to pitch your idea' and all the knowledge shared from the CIF 2019 Bootcamp was the biggest learning for both of us, said the duo on ending note.

Team Lead:
Priyanshi Lakhtaria

Team Members:
Isha Makadia

School Name: Shree G.K. Dholakiya Primary School, Rajkot

Class/Standard: 7th


Marie Sklodowska
Homi Bhabha
C.V. Raman
Michael Faraday
Edison
Louis Pasteur
Aditi Pant
Vikram Sarabhai
Abdul Kalam
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AIRCRAFT

Smart Helmet for Vehicle Riding

Team Lead:
Priyank Parikh
Team Members: 1
School Name:
Calorx Public School, Ahmedabad
Class/Standard: 7th

Shaken over a recent statistics of 17 deaths every hour on roads across India, the class 7 student Priyank Parikh, from Calorx Public School, has developed a smart helmet. It is equipped with sensor, camera and barcode scanner. Not only that in case of an accident the Artificial Intelligence-enabled smart helmet will automatically call the emergency services, like police and ambulance but also will send an SMS to the immediate family member -- whose number is saved in it to be contacted in any emergency.

The prototype is fitted with piezoelectric sensor that senses accident in real time and sends the feed to RF transmitter attached onboard. Moreover, the helmet also has a sensor which detects through a sensor (Mq3).

Speaking on the need for innovation, Priyank said, "Life is a precious gift and if we all should do our bit of innovation to make the living better and safer for all of humanity, hence safe-guarding Mother Earth."

"Transport system is the biggest challenge and I want to utilize the state-of-the-art and upcoming cutting-edge technologies to resolve the issue in the next 30 years," said the school going teenager.

"You are limited only by your imagination, so go ahead and explore your idea as no idea is a bad idea," is my biggest learning from the CIF 2019 Bootcamp, said Priyank.

Moreover, in coming future teen is aiming to help develop the roads to go smarter offering security, connectivity, comfort and information to commuters.

Soil Power Generator

Taking a cue from the renewable sources of energy -- solar, wind energy and water – and realising the ever-growing need for more power to keep our world rolling, three students from Lakshaya International School have come up with an idea of soil power.

Gitansh Agrawal, Mitaansh Agrawal and Hiya Shah -- all from class 6 – want to generate power by deploying positively (+ve) and negatively (-ve) charged electrodes in the soil. According to them, soil is available in plenty and it will help protect our natural resources, besides preserving environment and cutting on expenses for power generation and distribution.

"Despite over 70 years of independence, there are villages which go dark after sunset forcing people, as well kids, to complete their work beforehand. However, the soil energy will light their nights and life helping them in their daily work. Moreover, farming will become easier as the electricity will be locally available," they said.

"One should innovate as it helps elevate the livelihood of people, enhances the social integrity and takes the nation on the path of development," the class 6 students said.

According to the students, water crises, destruction of natural resources and electricity wastage is the most pressing challenge lying ahead and they want to address these in the coming times.

"Come together, work in team and take the innovation further," is the biggest learning outcome from the CIF 2019 Bootcamp, they added.

Team Lead:
Gitansh Agrawal
Team Members:
Mitaansh Agrawal and Hiya Shah
School Name: Lakshaya International School, Ahmedabad
Class/Standard: 6th


CHILDREN'S
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INNOVATOR
Louis Pasteur
Michael Faraday
Edison
Aditi Pant
Homi Bhabha
Satyendra Nath Bose
Shrinivasa Ramanujan
Thomas Edison
Vikram Sarabhai


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Marie Sklodows
Chandrasekhar
C.V. Raman
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VAVI: Virtual Assistant for Visually Impaired

Team Lead:
Amaan Ram
Team Members: 1
School Name:
New Era Senior Secondary School, Vadodara
Class/Standard: 7th

A class 7 student Amaan Ram, from New Era Senior Secondary School, has developed a smart device -- Virtual Assistant for Visually Impaired (VAVI) -- to help visually impaired people. The device will help its wearer in all possible daily life situations while at home or outside in recognising people, walking across a busy road or to visiting a nearby store/place, etc.

The cost effective smart device consumes less power and requires minimum maintenance. Some of the other key features involve, face recognition, objects identification, Optical Character Recognition (OCR) system, smoke sensor and traffic assistance system from crossing road.

Talking about the innovation, Amaan said, "The fact that there are 285 million visually impaired people in the world. It hit me hard to think about the difficulty they face day-in and day-out. It inspired me to develop VAVI. And my parents' encouragement and support further motivated me to develop it. Besides, the Atal Tinkering Lab setup at my school helped me to take part in Gujarat University Startup and Entrepreneurship Council (GUSEC)".

"One should innovate as it helps in self-elevation and a self elevated person contributes building and betterment of society and lives of people around," he said while speaking on the necessity of innovation.

"Global warming and unemployment are the two big pressing challenge we are facing today and the 'How to pitch an idea' as well as 'How Business and Startups are setup' are two biggest learning from the CIF 2019 Botcamp," said Amaan on an ending note.

Vehicle Spittoon

Three friends -- Pryagraj Mehta, Rutwa Kothari and Aryan Devpura – from DAV International School has developed a mobile vehicle spittoon in order to get rid of colourful obnoxious painting due to spitting of pan-masala and tobacco consuming people.

The low-cost mobile vehicle spittoon can be used to spit in it while driving and hence not spraying it out which many a time even dirty clothes and faces of people walking along the road side.

Pryagraj Mehta, of the team, thought of the innovation solution while traveling with his grandfather (habituated to tobacco), who downed the window panes and spit out. The incident fueled him and he discussed with his friends about possible solution. And they came out with vehicle spittoon.

According to them, the vehicle spittoon must be made mandatory and it should begin with Gujarat, which was placed at 3rd place in a recent report on Tobacco and pan spitting on roads while driving.

“Learned at school that 'Necessity is the mother of all innovation', but for that we need our minds open to innovate and to make our society/country a better place,” they said while giving their mind on why one need innovation.

“Lack of practical learning at school level is the most pressing challenging our society is facing today and we will work on the change that in the next 3 decades,” the class 8 students said.

On their CIF 2019 Bootcamp experience, they said, “How to develop an idea into viable product and its threadbare process, were our best learning outcomes”.

Team Lead:
Prayagraj mehta
Team Members:
Rutwa Kothari and Aryan Devpura
School Name: DAV International School, Ahmedabad
Class/Standard: 8th


Vikram Sarabhai
Thomas Edison
Marie Sklodowska
Louis Pasteur
C.V. Raman
Michael Faraday
Homi Bhabha
Edison
Louis Pasteur
Aditi Pant
Vikram Sarabhai
Abdul Kalam
Homi Bhabha
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INNOVATOR
AMITY
SCHOOL

Vertical Tower for Agriculture

Team Lead:
Kavya Patel
Team Members: 1
School Name:
Amity School, Bharuch
Class/Standard: 6th

The youngest innovator at the CIF 2019 Bootcamp -- Kavya Patel, a class 6 student from Amity School – has developed a very unique and innovative Vertical Tower for cultivating cereals, pulses, medicinal plants, vegetables and others. The tower proves a viable option in the contemporary age of ever shrinking open space that posing a serious threat to vegetation, especially in urban centers.

These towers can be used to cultivate about 150 verities of agricultural and other plants. Moreover, spread of concrete based infrastructure development, urbanization and pollution to land, air and water are posing dangers to land based agriculture. Such towers require relatively lesser space and it's easy to maintain as it will be free from animal and other encroachments.

On need for innovation, Kavya said, "Innovation is the need of the time to drive our nation on the path on sustainable development and prosperity and for that we all need to contribute. And, therefore, it is essential for every thinking mind in their individual as well in collaborative capability to join hands to make it happen".

"Pollution is the most pressing challenge we all are faced with and I shall work on ways and innovations to sort out the issue in the next 30 years my life," added the youngest innovator at the Bootcamp.

"How to develop an idea into a business model and scale it further to the production level was my biggest learning outcome from the CIF 2019 Bootcamp," Kavya said.

Gujarat University Startup and Entrepreneurship Council (GUSEC) is India's leading startup support system, established in February 2016 as a division of the Gujarat University. In February 2017, GUSEC has been registered as a non-profit company promoted by Gujarat University. GUSEC has played a pivotal role in shaping and nurturing the startup ecosystem in Gujarat. GUSEC is supported by the Department of Science and Technology, Government of India for setting up a Technology Business Incubator (TBI) and Atal Innovation Mission by NITI Aayog for setting up Atal Incubation Center for social impacts.

GUSEC offers incubation and pre-incubation support to startups, entrepreneurs, and innovators from across Gujarat in tech sectors along with Basic Sciences, Arts, Commerce, and other non-IT sectors. GUSEC is currently supporting 110+ startups and is undertaking efforts to sensitise close to 4 lakh students of the university regarding startups and entrepreneurship. GUSEC is providing infrastructural support with a 300+ seats air-conditioned co-working space spread across 30,000 square feet area with well-lit ambience and ample space for meetings and collaborations. Well equipped with high-speed 1 Gbps internet, GUSEC is also helping startups get access to the university's specialised laboratories, multimedia research centre and Library. GUSEC has played a vital role in fostering entrepreneurship by organizing various events.

Impact :

1,15,048 STUDENTS OUTREACHED

889 IDEAS CONSULTED

201 STARTUPS SUPPORTED

68 IDEAS COMMERCIALISED

53 PRODUCT STARTUPS

543 JOBS CREATED

INR 3.5 Cr REVENUE

97 INSTITUTES OUTREACHED

1,43,48,675 INR FUNDS DISBURSED TO STARTUPS

8 Cr. RAISED BY STARTUPS IN EXTERNAL FUNDING

Facilities offered to GUSEC Startups

GUSEC is located within the lush-green university campus right in the heart of Ahmedabad, making GUSEC one of the most accessible startup support systems in the state. Startups and innovators incubated at GUSEC have access to a plethora of specially created facilities, as well as existing resources and facilities available at the university, some of which include:

Working space

A 300-seater, air-conditioned co-working space spread across over 30,000 square feet area with well-lit ambience and ample of space for meetings and collaborations. The space is open 24x7 and features several types of seatings. Surrounded by common university lawns, botanical gardens, and a tea kitli, GUSEC is also perfect for those outdoor meetings you always wanted to do! GUSEC facilitates a well-equipped pantry catering to the food requirements of its community.

Also, GUSEC subscribes for various Monthly Dailies & Periodicals like The Indian Express, Mint, Harvard Business Review, The Economist, India Today, Outlook and many more. All the publications are easily accessible to all the startups as and when required.

High-speed Internet

GUSEC startups avail unlimited, unrestricted super-fast internet. A 1-Gbps leased-line over the National Knowledge Network (NKN) ensures entrepreneurs and innovators at GUSEC are always connected to the world through super-fast WiFi and LAN connectivity.

Auditoriums, conference halls and classrooms

Startups can avail access to all auditoriums, conference halls & classrooms in the university campus for meetings, events and get-togethers, at low- or no cost. Over 10 auditoriums and conference halls of different sizes, and over 100 classrooms are available on request to all incubated startups.

Specialised laboratories

Startups have full access to over 40 laboratories and related equipment across a spectrum of specialisations and all departments of the university - from computer science to physics to climate change to forensic science.

Multimedia research centre

Startups also can take benefit of the UGC-sponsored Electronic Multimedia and Research Centre (EMMRC) in the university campus that is equipped with the state-of-the-art audio-video recording studio and necessary equipment for producing industry-grade audio-visual content for product videos, crowdfunding sequences, etc.

University Library

The Gujarat University library houses over 3.5 lakh books, and provides access to over 1.6 lakh eBooks. All facilities available at the university library are extended to incubated entrepreneurs and innovators by default.

Mentorship

Incubated startups also have access to GUSEC Mentor Board, a board of external subject experts from a wide array of industry verticals and specialization, for mentorship and guidance. GUSEC is under the process of forging relations with investors and other funding agencies to provide tangible funding support to incubated startups.

Associations

GUSEC has partnered with prominent organisations to avail their service/products at low or no cost for incubated startups. These associations include $20,000 in Google Cloud credits, credits from msg91.com, credits from Amazon Web Services, etc.

Technology Platforms

GUSEC has subscribed for several quintessential technological platforms which assists the startups in several domains like Business model planning, prototype designing, designing marketing materials etc. These subscriptions include Adobe Creative Cloud, Animaker, Apple Sketch, Biteable, Canva, Envato Elements, Grammarly, Udemy Enterprise, etc.

Contact

Email: contact@gusec.edu.in
Phone: 079-2630 8576 or 95104 84608
f / GUSECIndia t/GUSECIndia

Partners

Established in 1949 under the Gujarat University Act, the Gujarat University is largest and oldest university of the Gujarat state. The idea of setting up the university conceived in 1940s and the seed of inceptions was laid down by Shri Sardar Vallabhbhai Patel under the chairmanship of Mr. G. B. Mavlankar in consultation with Mr. Kasaturbhai Lalbhai and Acharya Anand Shankar Dhruv. Gujarat University is affiliating university, having more than 350 affiliated colleges, 35 post graduate departments and more than 50 affiliated post graduate centres with diversified courses in faculties of 1. Arts, 2. Commerce 3. Science 4. Education 5. Law 6. Medical and 7. Dental. The university spans over eight districts like Ahmedabad, Gandhinagar, Kheda, Anand, Vadodara, Panchamahal, Dahod, Mahisagar and two union territories.

UNICEF promotes the rights and wellbeing of every child, in everything we do. Together with our partners, we work in 190 countries and territories to translate that commitment into practical action, focusing special effort on reaching the most vulnerable and excluded children, to the benefit of all children, everywhere.In all of its work, UNICEF takes a life-cycle based approach, recognizing the particular importance of early childhood development and adolescence. UNICEF programmes focus on the most disadvantaged children, including those living in fragile contexts, those with disabilities, those who are affected by rapid urbanization and those affected by environmental degradation.

Support Organizations :

Student Startups & Innovation Policy(SSIP), Government of Gujarat

Gujarat State Education Board, Government of Gujarat

Atal Innovation Mission, Government of India

Department of Science & Technology, Government of India

Gujarat Council on Science and Technology (GUJCOST)

Centre for Communication of Child Rights, an SLS-PDPU initiative.

Ecosystem Partners:

Motwani Jadeja Foundation

TiE Ahmedabad

Global Partner :

British Deputy High Commission Ahmedabad

Youth Partners :

Elixir Foundation, NGO

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Supporting Partners

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