



WINNERS 06



WINNER

Dakshayani Pandey -Vidyagyan School



1st Runner up

Aaryaman Sharma - Neerja Modi School



2nd Runner up

Pooja Bhaattoo
- St Johns International School



Theme Award Winners

07



Jayant Sakkarwal
Salwan Boys Senior Secondary School



Dakshyani Pandey
Vidya Gyan School Sitapur



Harmanjot Singh
Jodhamal Public School



Hasini Lakshminarayanan
Chettinad Vidyasharam



Gauri Gupta

The Cathedral and John Connon School



Diptesh Kumar Parida

DAV Model School, IIT KHARAGPUR



Paarth Bathla
St. Marks School



Alu Krishna AL
Sarvodaya Central Vidyalaya



Hardik Garg
Vikas Bharti Public School



STATE AWARD WINNERS

08





Aanchal Patra

ANDHRA PRADESH

Little Angels School
- Visakhapatnam



Harshal G

CHHATTISGARH

Krishna Public School
- Raipur



Asutosh Kumar
Chouhan

MADHYA PRADESH

Army Public School
- Mhow



Sparsh

BIHAR

Radiant International
School - Patna



Dhairya Bhatt

GUJRAT

Silver Bells Public School
- Bhavnagar



MRINMOY MAHATO

JHARKHAND

S. D. S. M. School for Excellence
- Jamshedpur



Diya Agrawal

KARNATAKA

National Public School, Koramangala
- Bangalore



Siddharth Kumar
Gopal

KERELA

St. Thomas Residential School
- Thiruvananthapuram



Michael Heisnam

MANIPUR

The Churachand Higher
Secondary School - Imphal



Nabhya Mehta

PUNJAB

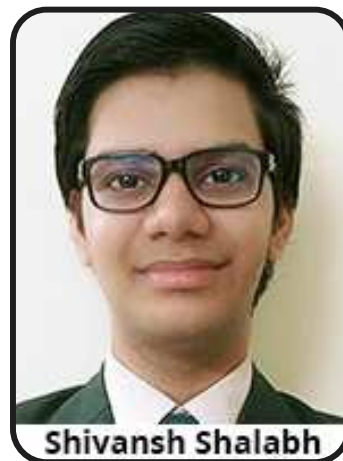
Sacred Heart Convent
School - Ludhiana



Mehar Raj Pradhan

SIKKIM

St. Augustines School Kalimpong
- Rhenock



Shivansh Shalabh

WEST BENGAL

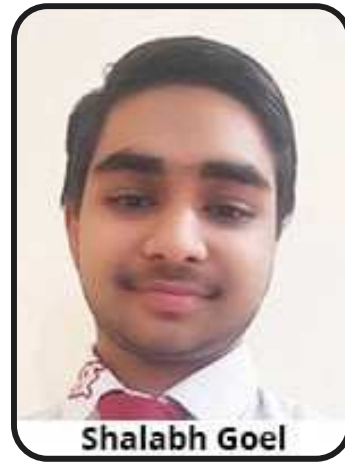
DPS Ruby Park
- Kolkata



Pranjal Agarwal

UTTAR PRADESH

**Amity International School
- Vasundhara**



Shalabh Goel

RAJASTHAN

**Rockwoods High School
- Udaipur**



Abhay Gupta

MAHARASHTRA

**The Mahindra United World
College of India - Pune**



Oveya Kiruba

TAMIL NADU

**Gateway IB Continuum
World School - Chennai**



Sanvi Mohapatra

HARYANA

**Amity International School
- Gurgaon**



Ritik Bhat

JAMMU

Army Public School Damana



Neel Kumar

DELHI

St. Angel's SS School
- Rohini

Bharat Jain

ASSAM

Anwasha Mahapatra

ODISHA

Thummalasetty Sahasya Vasisht

TELANGANA



SPEAKERS AND MENTORS

09





JAIDEEP PRABHU
- CAMBRIDGE



MOHANBIR SAWHNEY
- KELLOGG SCHOOL OF
MANAGEMENT



JEANNE LIEDTKA
- UNIVERSITY OF VIRGINIA



PROF. SANJAY KUMAR
- HARVARD UNIVERSITY



MOHAN KRISHNAN

ROHIT BANSAL
- SNAPDEAL



STUDENT STORIES

10



AANTARA GHOSH

**LITTLE ANGELS SCHOOL
VISAKHAPATNAM**

CLASS : 7



A bit about me :

I'm interested in science and like to participate in competitions in Youth Ideathon. My hobbies are reading books and drawing.

About my India@75 Youth Ideathon idea

My idea was of a hand to help the environment and prevent it from degradation, we can plant as many trees as we can, clean rivers and help animals and protect them.

How I got the idea and progress so far

I got this idea as I read about the issue and severity of environmental degradation in several books and by watching news about it in the television.

One fine day, I said to myself, I have to do something about this and with the help of my father, I planted by first tree. I felt happy. So far I have planted a few trees and I want to pursue this.

My inspiration in life

I am inspired by Kenyan social and environmental activist WANGARI MATHAAI, who founded the Green Belt Movement that focuses on poverty reduction and environmental conservation through community based tree planting.

My future plans

I would like to plant more trees, I would work more on my ideas and participate in Youth Ideathon every year because it had been a really interesting and informative journey.

My aspiration

As a child, I would like to help people continue the work of protecting environment.

AANCHAL PATRA

**LITTLE ANGELS SCHOOL
VISAKHAPATNAM**

CLASS : 6



A bit about me :

I am a 11 years old girl who is ambitious, hard-working and possess go-getter attitude. Painting, reading and travelling are my major hobbies.

About my India@75 Youth Ideathon idea

The idea "HOME MADE COMPOST - A KEY TO SOLID WASTE MANAGEMENT IN PRESENT CITY LIFE" given by me through Ideathon, has got wide acceptance among diverse people. It is like "act locally and change globally", as the kitchen waste is reused in a productive way thereby reducing solid waste into environment.

The preparation involves three basic ingredients that is available at every household. Also the process consumes less time, space and money, therefore, I believe it is the most practical and viable option and must be adopted in a wide scale.

How I got the idea and progress so far

I have a passion for collecting information on environmental issues.

The mismanagement of solid waste in the slum area of Visakhapatnam compelled me to think on how to reduce the waste in an effective way. That made me brainstorm multiple ideas, when the idea of home-made compost came.

So far I have been successful in generating public awareness about home composting. But, I think, this has to go much wider. I am determined to impart education to all students in my school and my neighbourhood.

My inspiration in life

My parents and my school teachers.

My future plans

I will continue acquiring knowledge and understanding of key environmental issues. This will help me to come up with many more simple and effective solutions which will make the World a better place to live in.

My aspiration

By creating a society which supports innovation, respect nature and giving my best to solve hard problems in the world.

AARYAMAN SHARMA

NEERJA MODI SCHOOL
JAIPUR

CLASS : 8



A bit about me :

I am a 13-year old enthusiastic coder and I have recently tried my hand in game development. I am also 3-D artist which is a skill that goes hand-in-hand with game development. Recently, I have gotten into entrepreneurship as this provides me with opportunities to utilise my ideas to impact the society.

About my India@75 Youth Ideathon idea

My idea is a platform named 'Stintern', it being the abbreviation of ST-udent INTERN.

As the name suggests, we provide internship to high-school students. If you've ever spoken to someone who's in high school, you probably know that most of them are puzzled about what career to pursue! With loopholes in the current system that deprive us of hands-on experience, there are no easily accessible platforms currently that can give these high-schoolers the right industry exposure.

On the other hand, companies have several small tasks such as content writing, social media management for which hiring full time employees is tedious and not cost effective. We fill the demand supply gap. How, you ask?

We provide students with certified internships exposing them to working in offices/office-like schedules, in fields that are feasible to help them in profile building and career exploration. As for companies, we provide them with young and passionate interns who can switch between tasks easily while not breaking the bank. Companies from any stream can join us but hire interns only for the jobs listed on our website.

How I got the idea and progress so far

Me and my friends got this idea 6 months ago in our summer vacations, we were bored and wanted to do something constructive, so we started looking for internship opportunities to utilise our skills but even after scouring the whole internet we were unable to find an opportunity for us. Then the idea struck us.

What if we could create a platform providing internships to high-schoolers?

Immediately after that me and the team(Aarav Phutela and Nancy Shivani) started work on this idea and so far we have worked with over 20 companies, have a community of over 150 students and have seen response from 7 different countries! We have a working website where companies are listing their opportunities and students are availing them. Recently we also launched our biggest partnership yet to upskill the students and help them increase their skill-set.

My inspiration in life

I do not have one specific person from whom I take inspiration. By following different successful people and entrepreneurs, I study the steps they took to reach the point they are at now. That is what gives me the knowledge and inspiration I need to take me forward.

My future plans

My future plan is to make Stintern big and to disrupt the market. This will be done by expanding our reach, doing more partnerships and affecting the lives of every high-schooler in a positive way.

My aspiration

I want to change the way we look at high-school students and young students in general. We usually under-estimate their skills and learning capabilities. By giving them our platform, we are providing them with practical experience in such office environments at a very young age which not only helps them build their portfolio but also, gives them a clear insight in their preferred career stream and helps them explore more.

By doing so, students find their passion and what they can do best. This enables them to give their 100% in what they love doing, paving their way for a bright future, for them and the country.

AASTIK KAUSHAL BARNWAL

Modern Public School,
Shalimar Bagh, New Delhi

CLASS : 9



A bit about me :

I love to do little innovation with some tools and mechanics.

My hobby is to read a lot of story books based on facts and real life events. I also like to listen to soft songs.

About my India@75 Youth Ideathon idea

I have made an air purifier named Swacch Vayu cum Room Freshener from best out of waste at affordable price for all. It is an interesting product. The air purifier kit is made using car filter and CPU fan which can be hung at the doors and windows.

How I got the idea and progress so far

I live in Delhi and one of the problems that we face here is extremely high air pollution. This forced me to think of a workable solution. Also, in the second wave of Covid, I was disturbed when we discovered the difficulties people faced in searching for oxygen cylinders. That was when I really felt we must act with urgency.

So far, I have a working model of product and I was keen to scale this up.

My inspiration in life

My grand-parents and family.

My future plans

I want to be a Civil Servant.

My aspiration

I want to spread awareness among people about living healthy life, without pain and free from medicines.

ABHAY GUPTA

The Mahindra United World
College of India Pune

CLASS : 11



A bit about me :

I like learning about new things. While many view studying as a burden, I view it as a gateway to knowledge, which is why I find it so fun. In particular, I'm in love with Economics, because there is so much that goes on behind the scenes of a market that no one knows of. Economics is the backbone of society, and I want to learn more about it so that I can one day make proposals that benefit society's needs and wants.

My hobbies include theatre and public speaking. I've been doing theatre since 2013, and have earned certifications and have acted in productions. I do theatre for many hours a week, and one of my favourite outlets for theatre is 'Community Theatre', which is a club at school that interacts with the surrounding community, and evokes discussion on social issues through Theatre. I love debate, and actively participate in various competitions and exams. I like using my public speaking skills for the benefit of my community, which is why I participate in a program called 'Night School', where I teach staff on campus English skills during the night.

About my India@75 Youth Ideathon idea

Gramtech is a revolutionary idea that will impact hundreds of thousands, and potentially millions of the senior citizens living alone in India! I first conducted research and came up with the following findings.

- 15 million senior citizens live alone in India
- 64.1% of the elderly in urban areas suffering from loneliness
- 34.4% of senior citizens in India suffer from depression
- Suicide rate among elderly is higher than the national rate

The problems senior citizens face from loneliness. The immense loneliness leads to increased risk mortality, depression, cognitive decline, and dementia.

Can we use smartphones to combat loneliness and depression in urban seniors? YES! Senior citizens in urban areas are more dependent on their smartphones than youngsters, but often can't use the features. Smartphone use in senior citizens can reduce levels of depression by up to 33%

Gramtech is a mobile application that can be downloaded on both iOS and Android. The app will use conversational AI i.e. speech to text technology. The user will state the issue he/she is facing while using the phone. The application algorithm will then select the appropriate video tutorial created by Gramtech, that the user can watch to learn. The user will also be able to schedule on-line live consultations with Generation Z volunteers, in which they can learn phone features, or converse to foster intergenerational dialogue. Other add-ons include a website and social media page with essential videos, to access at any time for downloading the app. Students can also submit tutorials through the site and mobile app (currently live at gramtech.weebly.com).

How I got the idea and progress so far

One day, my phone was animatedly vibrating on my desk as I was eating my snack. I swiped the green emblem up, placed the phone next to my ear, and joyfully exclaimed "Hello Nani! How are you?"

She responded, probably in a confused tone, "Hello? Abhay I can't hear you!" and she kept the phone down.

I opened up 'WhatsApp' and sent her a message asking her to press the upper button on her phone five times. But nothing worked.

It saddened me to see my grandparents struggle, simply to hear their children's voices, and the more advanced our phones got, the more isolated they felt. My parents, and millions of others like them, don't have time to speak to the elderly frequently, and most of the problems they face on their phones, can't be solved through a simple phone call.

My inspiration in life

I do not have one specific person from whom I take inspiration. By following different successful people and entrepreneurs, I study the steps they took to reach the point they are at now. That is what gives me the knowledge and inspiration I need to take me forward.

My future plans

I intend to pursue Economics in college with a minor in Computer Science, because I find both of those subjects very engaging. After that, I'm interested in data, and finance. However, a part of me is also interested in foreign service so I'll have to decide then! I love travelling, so I'll try to travel as much as possible. I also love airplane food!

My aspiration

Society has many problems and one individual cannot solve all of them but if each individual uses his or her main quality as a tool to tackle the issue then we can get benefited from it. I want to use my skills in computer science and tech related things to do the same.

I believe in voice, and I want to use my public speaking skills to fight for the betterment of society. I want to be a voice to the marginalized, and use my innovation and entrepreneurship skills to create impactful solutions to 21st century problems. A problem I'm highly passionate about is widespread education inequality, especially in soft skills. Communication skills, along with other soft skills are highly important for social change, and I want to make training for these skills in India more accessible. Only then can India advance in a positive direction. I would like to do this by partnering with soft skill centres, and potentially founding my own centres, across the city, that provide an accessible way to learn.

I believe that the youth have the loudest voices and the greatest energy when it comes to evoking social change, which is why I will want to use the youth to impact society. I have done this in Gramtech as well, and will do it for any other solution I create.

ADITYA DUBEY

KR Mangalam School
Gurugram

CLASS : 10



A bit about me :

I'm interested in science, business and startups. My hobbies are reading and meeting people.

About my India@75 Youth Ideathon idea

Even after 75 years of independence, in India, more than half of the population live with limited medical facilities. Getting right and quick medical help/treatment is one of the biggest concerns for larger section of less privileged population.

In rural area or city suburbs if one gets sick, patients have to go miles for the check-up/treatment, which is not possible without vehicle or support. Moreover, if these people need bed after getting seriously sick, they cannot approach to right government or private hospital in absence of information about availability of bed /doctors. We know that in covid times, it was really hard to find a bed/ventilator and many people lost their lives.

To solve this, I propose a web/mobile app application that would be used give real time information regarding availability of beds in nearby government /private hospitals and also the availability of medicines in govt hospitals to bring greater transparency.

The same application will get installed with computer placed with a webcam in the community centre / customer service point, and other side connected with government hospital doctors backed with common control room. This would bring ease for the patients to get their check-up done by better qualified doctors in cheaper way and transfer the money digitally as well if required.

This idea will not only bring transparency in bed management, but also make hospitals more accountable towards unprivileged population. Same time getting treatment at right time, in right place by right doctor would save many lives, reduces monetary burden, which becomes cause of borrowings or loss of pay in absence of right treatment.

How I got the idea and progress so far

I got this idea during the second wave of Covid when I received news of people in neighbourhood losing their lives. I then discussed this problem at home and this idea came.

At the moment, this is just an idea.

My inspiration in life

My parents.

My future plans

Once I am done with my school boards, I would like to develop this app.

My aspiration

I want to serve the society by impacting lives of millions of people.

ALANKRITA RANA

NEERJA MODI SCHOOL
JAIPUR

CLASS : 8



A bit about me :

I love to sketch, help people and play guitar. I also love sports. I am a district level badminton player and a national level skater and swimmer. Some of my other hobbies are reading, writing my diary and learning new languages. I am currently learning 5 languages (Korean, German, English, Hindi and French). I am a very fun-loving and loyal person. I would love to be an entrepreneur or a cloud developer.

About my India@75 Youth Ideathon idea

The idea I submitted is called HOPE and it is an online learning platform for autistic kids. The idea will be really beneficial for the society as in India approximately 22 lakh people suffer from autism and yet there are very few facilities available and people have to travel really long distances just to get treated. But we will provide them with the guidance and support of special mentors and teachers who will help them understand, learn and adapt better and also various learning courses to gradually become better. All that in the comfort of their home.

How I got the idea and progress so far

I have an autistic cousin in my family. When I went to visit her, I saw how many problems she and her family is facing. That just broke my heart so I thought that if there is a learning platform for autistic people then it can solve the same problem in millions of houses. So far, HOPE has made tie-up with one doctor, provided our services to 3 people and made a profit of Rs. 4000.

My inspiration in life

My inspiration is myself. Every day when I see how close I am to my goal it motivates me to work harder. Even when I prepare for my exams, I want to beat my classmates even if my body and capabilities don't allow me, I push myself hard thinking how proud and happy will it make my mother to see my hard work paid off and that automatically forces me to get out of my comfort zone and work harder.

My future plans

I always think about where I want to see myself in 10 years. I think I finally have an answer in 10 years I want to be a successful business woman or a model. I want my business to have spread across the world and help millions of people.

My aspiration

I want to help the society by trying to provide a solution to a problem most of the house-holds have. I want to spread awareness about autism because many times people don't even know if the person is autistic and they just regard them as dumb but if more people knew about it many autistic people could be treated and provided with the surroundings they require. And after that the next step is to help the autistic person face the challenges they face in their day to day life. and the most important step is to make them love themselves and who they are, because acceptance starts from within.

ALU KRISHNA AL

**Sarvodaya Central Vidyalaya
Thiruvananthapuram**

CLASS : 11



A bit about me :

Working in the world of media is my passion. My other interest areas include radio compering, art and craft, dancing, giving speeches, mono-acting, script writing, directing theatre events and writing research papers.

About my India@75 Youth Ideathon idea

A student driven Internet Radio that provides informative programmes on every Sunday for school students of age 3 to 17 through our specialized android application. This is also available through the website www.sahithy.in

How I got the idea and progress so far

I got this idea during Covid lockdown. I was bored and was thinking what to do. I also found there were many children who were bored during lockdown and couldn't study properly. That's when I thought why not do something for students by engaging the creativity of students. So, I developed specialized android based radio application.

Currently, we have two websites and around 4000 listeners.

My inspiration in life

Everyone in need of my solution was my real inspiration.

For motivation, I talk to my parents and my mentors.

My future plans

There are three critical elements of my future plans. The first is to develop a multilingual radio system that should support at least three languages. Second is to bring curricular based programs for class 10 students for both CBSE and Kerala state syllabus that should be delivered by reputed teachers and the third is to develop an internet based community radio.

My aspiration

I would like to encourage interesting and useful student startups because even though there are organisations coming up to help and consider them the society have made a bad impression on them and will raise questions like why are the school students starting startups during their time of study.

ANANYA KATHPALIA

SACHDEVA PUBLIC SCHOOL
NEW DELHI

CLASS : 9



A bit about me :

My hobbies are singing, dancing, reading and learning about new things.

About my India@75 Youth Ideathon idea

A type of food ATM in which whoever has extra food can keep in it and people who are hungry can take food from it. It will have a built in refrigerator and microwave so those who are giving the food can keep it in the refrigerator and those who are taking from it will take food from refrigerator and put it in microwave. Even if installing refrigerator and microwave is not possible people can just put raw vegetables and fruits or food items like bread which can last longer. This machine can be installed at different points in a city.

How I got the idea and progress so far

I realized that people living on streets find it difficult to arrange for food and I discussed this problem with my family. It was then when I came up this idea. We must focus on providing basic necessary items. People living nearby will find this more easy more easy to donate. I have prepared the scheme for this idea and I also realized that this machine will need a protective layer so it does not get ruined in times of rains. Also, we may need a person who would be taking the food from donors and giving it to the hungry people.

My inspiration in life

My inspiration are the people who work so hard to get a nice meal but they cannot even get that. It is our responsibility to provide them food and dignity. This startup is not about my personal benefit as I will not get anything from this except feeling contentment that I did something good. But, I alone cannot do this. This needs support of multiple people.

My future plans

I can impact the society in a positive manner by being positive but also rational. I am a child right now so I don't have much resources but I will gain knowledge and spread that to other people.

My aspiration

By this Youth Ideathon I have realized that many children are working to bring a change. One day, I believe, I will definitely do something that will bring a positive change in the society. That is when I would say, Mera Idea Jo Badal De Bharat.

ANEESH RAMAN

DELHI PUBLIC SCHOOL
ROHINI, NEW DELHI

CLASS : 9



A bit about me :

A technology enthusiast at heart, a passionate pianist, a black belt at Taekwondo. I want to transform the world with my technological aptitude and skills. I love mathematics. A grade 4 distinction holder from Trinity College London, I soothe my senses playing tunes on piano.

About my India@75 Youth Ideathon idea

In our society, often there are people in need of help. For example, you may be travelling and notice migrant workers walking hungry, or someone met with accident lying on the road, or someone waiting in long queue for medicine etc. Simultaneously there may be many who want to volunteer to help out. I want to build an application that connects anyone who needs help with anyone who can. For example – I can get a notification saying someone needs B+ blood (if my blood is B+). Or in my area if someone wants to do tree plantation, they may ask for volunteers and everyone in their area gets notification of this initiative. This way, we can build a better society. This platform will be a mobile application that asks for basic information like mobile number and email, and tracks user's location, preferences where user wants to contribute (e.g. blood or money donation, planting trees, teaching children etc.), and then stores and notifies them as soon as an opportunity to serve comes. This way we can build a much better society by making people responsible, reducing dependency on government machinery and creating pride, utilizing time for people who have it, building better community.

How I got the idea and progress so far

My Teacher Mentor, who is also my social sciences teacher, once spoke about the plight of migrants and how we should go ahead and do something for them. Also, my family when was affected with Covid, struggled to manage to get hold of groceries. So I thought, I should do something such that the whole community is able to help each other. I am in process of building the application. I hope to finish with the first version soon.

My inspiration in life

My Teacher Mentor and my Father.

My future plans

I want to transform India with my capabilities. I know our country has deep heritage and has extremely good, helpful and intelligent people. We need to realize our potential and work towards our country.

My aspiration

वसुधैवकुटुम्बकम् is what I believe. If each one of us help each other, we will live in a better society.

ANMOL KUMAR

CHINMAYA VIDYALAYA
BOKARO

CLASS : 11



A bit about me :

My hobby is to study criminal cases and IPC provisions. I also work on projects related to mechanics and science.

About my India@75 Youth Ideathon idea

I have designed a device that can cut the power supply of mortar on its own when the water in the tank fills to the maximum. This device can save a lot of water and electricity.

How I got the idea and progress so far

One day I saw the water was overflowing from my household tank and I was busy so I couldn't turn off the switch. After some minutes when I turned the switch off, I saw around 4 to 5 litres of water was wasted. Then I thought that it may be common to every household and huge amount of water is being wasted without being noticed. Hence I thought to design a device which can cut the power supply of mortar on its own when the tank is full.

I have made a working prototype of this device and have installed at my house.

My inspiration in life

My parents are my inspiration. Whether I win or lose, they always stand with me. They have always encouraged me a lot on whatever I pursue.

My future plans

I want to be an IPS officer. In parallel, I would like to encourage people to protect nature. I am keen to start some initiative to increase the usage of green energy by people.

My aspiration

I will try to collaborate with people and encourage them protect natural resources and will try to increase the dependency on green fuels and green energy.

ANSH SINGH

**BAL BHAWAN PUBLIC
SCHOOL NEW DELHI**

CLASS : 9



A bit about me :

I have keen interest in problem solving using technology. This already says that I love tech. I like to code, learn cutting-edge technologies and enjoy engineering.

About my India@75 Youth Ideathon idea

My idea is an app called 'TrueCare' which acts as a platform to connect doctors and patients, it provides self-assessment and self-help features to the patients as well as online business growth features for doctors, including tele-medicine services.

How I got the idea and progress so far

I got this idea when I saw people hesitating to go outside to a doctor's clinic during the time of lockdown and also there was unavailability of doctors as they were not willing to meet the patients face-to-face, I thought that what if I can create a solution where doctors and patients can meet and avoid direct contact too. Also these days people have short attention spans and less patience, they don't want to go to a clinic and wait in queue, Using TrueCare they can schedule their appointment according to their need and it becomes easier for the doctors as well to manage their schedule and appointments. Few doctors, in the starting of their careers find it difficult to make their patients network, so TrueCare also helps in, online marketing of doctors which reflects like an advertisement on ad.

My inspiration in life

My inspirations are Elon Musk and Mark Zuckerberg, it's because they provided technological solutions to the world at a very young age in their college-life. I am also inspired by my father in making success path by yourself.

My future plans

As I told that I am inspired by Zuckerberg and Elon Musk, who started their startups while they were in college, I also aspire to start my startup while I am in college, and I am not much impressed by kids startups because I believe that you must gain the necessary skills and knowledge before getting fully into action, till then I am working on my skills and getting enough knowledge so that when the time comes, I give my 100% and everything goes smooth.

My aspiration

I want to create a solution which solves a major problem and is like oxygen to the society, if my solution would not be there, it starts affecting people. And when I become a person with power, I want to influence people with positive values, I like everything about big founders like Musk and Zuckerberg but the only thing which I think is missing, is that they don't influence people with positive values much. I want to be a leader who inspires including the pain-killing solution that I give to the society.

ARCHISHA MANDAL

**Bharatiya Vidya Bhavan
KOLKATA**

CLASS : 10



A bit about me :

I am passionate about welfare of mental health. My hobbies are also oriented around the same. Mandala art helps to soothe your nerves and swimming keeps you fit hence improving your mental well-being. When I'm feeling a bit down listening to music is my favourite thing to do.

About my India@75 Youth Ideathon idea

Epileptic falls due to sudden seizures or for people suffering from Parkinson disease etc are cause of immense mental and physical trauma for millions across the globe. These falls occur due to undetected imbalance of chemical compositions in our nervous system which is manifested by increased pulse rate increased heart rate excessive sweating.

I would like to device a smart watch which can detect the variations of these biological signals like heart rate pulse rate tremor etc through various biometric sensors and predict an upcoming fall by whistle blowing or continuous beeps etc then the victim can be saved from several fatal injuries. Also even if the fall cannot be avoided an SOS alerts can be sent to immediate caregiver to help the victim.

How I got the idea and progress so far

My grandmother was a chronic Parkinson's patient and many a times I have seen her falling down without any previous indication and suffer in agony including head injury and several fractures. I wanted to alleviate her pain but as a child I was helpless. At that time the idea occurred to me to device something which can predict to an extent some of the free falls.

My inspiration in life

My mother is my constant source of inspiration.

My future plans

I would like to be a psychiatrist in the future and study in the welfare of mental health.

My aspiration

It would be one of the life saving devices that can be used by any patient suffering from epileptic disorders or seizures or high risk pregnancy or Parkinson disease where sudden traumatising free falls are often very common creating fatal injuries or even death.

ARHAM SARAOGI

NEERJA MODI SCHOOL
JAIPUR

CLASS : 12



A bit about me :

I am a Pianist and a tech enthusiast. I aspire to be an Entrepreneur.

About my India@75 Youth Ideathon idea

I submitted the idea of flavoured walnuts to Youth Ideathon.

The thought behind this business idea was that walnuts are very bitter and children and teens like me hate eating them. So why not flavour the walnuts and enjoy snacks that are healthy as well as tasty.

How I got the idea and progress so far

In my family, we get a handful of dry fruits everyday. I love the almonds but absolutely hate the walnuts. That is when this idea stuck to me. Till now, we have processed a bunch of orders and a few repeat orders as well.

My inspiration in life

Elon Musk.

My future plans

To be a successful business tycoon.

My aspiration

I want to create a healthy world and change the mindset of obese children and teens and lead them towards healthy alternatives like flavoured walnuts.

ASUTOSH KUMAR CHOUHAN

ARMY PUBLIC SCHOOL
MHOU

CLASS : 12



A bit about me :

I am a 12th class student really motivated to solve problems and make world a better place.

About my India@75 Youth Ideathon idea

My idea is about an app that controls smart phone addiction in school students. The implementation model is simple. To control urge to use phone, the app will show questions related to students curriculum. Only, when someone gets a pre-defined percentage of correct answers access to phone is granted. This can also be gamified by having leader board, audio-video lectures etc.

How I got the idea and progress so far

I got this idea as I was severely addicted to smartphones. This was affecting my studies. That is when I stumbled upon this idea.

My inspiration in life

My parents.

My future plans

To become a successful entrepreneur and help world to solve problems.

My aspiration

By creating a society which supports innovation, respect nature and giving my best to solve hard problems in the world.

AVIRAJ KATYAR

AMITY INTERNATIONAL
SCHOOL GHAZIABAD

CLASS : 7



A bit about me :

My friends and family call me a multitasker. I don't know whether that is true or not but I've noticed myself that I'm never able to say "NO" to any work. I like listening to music - I'm BTS Army. I love reading books. I like putting my mind into thinking and I basically own a thought process company. I can play any sport, except the ones I haven't heard and can be a good competitor. Mathematics and Science are my favourite subjects... I guess you can call me a down to earth person.

About my India@75 Youth Ideathon idea

In India@75 Youth Ideathon 2021, I submitted an idea called GOOD BYE-WASTE. Good Bye Waste is a technology based - PAYT process which enables the segregation of waste at the source. PAYT means Pay as you Throw. This means, the more waste you produce the more you pay and the less waste you produce the less you pay.

My idea consists of an app called, Trash2Cash which connects the citizens and the municipality workers. My website, Good Bye Waste connects the municipality workers and the recycling companies.

How I got the idea and progress so far

I was just having a normal conversation with my mother.

We first talked about the growing problem of waste in India and then about how we can use technology to solve this problem. I was able to link the two and got this beautiful idea. Yes, my mother did help me to capitalise this idea.

As of now, Good Bye Waste is only a prototype but I'd make sure that people do segregation on daily basis. For that reason, I have started waste segregation camps in my society.

My inspiration in life

My inspiration is our current Prime Minister, Mr. Narendra Modi.

I like his thought process - the way he thinks and acts. I am totally inspired by him.

My future plans

Abraham Lincoln rightly said that the best way to predict your future is to create it. Well, I really did take the moral from this quote and I created my future like the way I wanted...

I believe that I've no competition - I am my competition. I have to beat me.

My aspiration

I aspire to be a doctor (surgeon), business man, entrepreneur & a part time Software

Engineer. I want to study and play both at the same time. I'll take English, Maths, Bio, Physics & chemistry when I'm in 11th class. Well, there are these 5 perspectives I take care of. These surely impact the society in a positive manner:

- 1) Always Ready to Help
- 2) Smiling at Everyone
- 3) Staying Positive is really important
- 4) Respect Everyone Equally whether it is an adult or a domestic helper.
- 5) Honesty

I want peace & happiness....I want the society to live properly and together.

For my idea, well if I start it in my house then only GOOD BYE WASTE will be implemented in the country. I want India to be hassle-free. For that every citizen need to make a impact and that in a positive manner.

AYANTIK BISWAS

Kokilaben Dhirubhai Ambani
Reliance Foundation School JAMNAGAR

CLASS : 7



A bit about me :

I am mostly interested in astronomy and star-gazing, coding, creating innovation with arduino and other materials.

About my India@75 Youth Ideathon idea

The idea i had submitted in India@75 Youth Ideathon 2021 was a Smart Dustbin.

It is a automatic sensor based dustbin in which the dustbin flaps opens automatically if a person is in front of it.

How I got the idea and progress so far

I got this idea when i saw that the people and doctors have to use Foot Based dustbin to through the waste. When the foot is placed on the flap opener, the germs on the flap opener, gets on the shoes. This germs spread through the floor. I have completed the whole product.

My inspiration in life

My inspiration was my Parents and my Mentor.

My future plans

My future plan is to make a more better dustbin which can automatically sanitize itself after each garbage is thrown.

My aspiration

I want to impact the society in a positive manner by making a Untouched dustbin which prevents the spread of germs..

BHAAVNI SETH

MAYOOR SCHOOL
NOIDA

CLASS : 7



A bit about me :

Science has always been my favourite subject. When I grow up, I want to be a scientist. My hobbies are dance and art.

About my India@75 Youth Ideathon idea

EnviroSafe Plug-in refrigerator is an Improvisation proposed to a mini-refrigerator to make it plug-n-play by building a hybrid electric source to power the refrigerator leveraging renewable sources of energy (solar energy), batteries, and converting the kinetic energy of the transport into Electrical energy. It is energy-efficient, portable, and pluggable to any automobile and adds to the convenience. It uses include energy-efficient ways to transport items that require cold temperatures like Medicinal injections, Blood samples, transfused blood, Frozen Food, Curds, Fruits, Ice-Creams, etc. to avoid health hazards and wastage. These designs and solutions make it cost-effective, applicable to multiple automobiles, and portability for long-distance thus helping to ensure quality and convenience.

How I got the idea and progress so far

In today's world, most vendors use dry ice to maintain low temperatures to transport items that require cold temperatures like Medicinal injections, Frozen Food, Ice-Creams, etc. This not only can lead to health hazards but also wastage of such items. These were the few problems I witnessed, experienced in my personal life and thought to build an improvisation to a mini-refrigerator to create EnviroSafe Plug-In Refrigerator. I have created the conceptual design, have made a working model, conducted customer interviews and built a website.

My inspiration in life

Dr. A.P.J Abdul Kalam and Albert Einstein are my inspiration as i also have passion towards science, experimentation and inventing new things

My future plans

To add more safety features like electric shock and make it cost effective for masses so that all features of security are available in compact and single device. My next steps would be to apply for patent, convert the prototype into a product, showcase to potential customer, finalize business plan, setup manufacturing, take required authority approvals, setup marketing and delivery channels.

My aspiration

I want to promote and encourage people to use green energy solutions. This will ensure that we build a sustainable and a greener environment for the future. My idea EnviroSafe Plug-in refrigerator also leverages renewable sources of energy and ensures that the quality of the items transported thus avoiding health hazards.

DAKSHAYANI PANDEY

VIDYAGYAN
SITAPUR

CLASS : 11



A bit about me :

I am an STEM enthusiast. I love innovation and design thinking.

About my India@75 Youth Ideathon idea

Our aim is to avoid 'Hot Car Deaths' and save innocent lives by introducing an automated system in the car's window by using a sensor (MQ 135). 'Hot Car Deaths' is an unnoticed problem which happens frequently and it needs attention.

So, our mission aims to save them through a setup where a sensor is arranged in the car that detects the levels of carbon dioxide inside the car and when it raises abnormally it triggers a signal to a servo motor that gets activated and opens the window glass and can save the child.

How I got the idea and progress so far

I got this idea through a news that came from United States.

So far, I along with my team members have designed the prototype.

My inspiration in life

My team, my mentor and my family are the one who have always fuelled me up to keep working.

My future plans

I want to be an entrepreneur who can solve problems and make this world a better place to live.

My aspiration

I want to solve their problems and make their life easy.

DEVANSHI SOOD

**Heritage Xperiential Learning
School, Gurgaon**

CLASS : 11



A bit about me :

I like to think of myself as entrepreneurial, out of the box, always finding solutions type of a person. I love coming with creative ways to deal with everyday problems and work great under pressure.

I'm proactive team player, that stems of my interest in sports from a very young age . I swim at a national level, play badminton, tennis, basketball and do track and field events.

I'm also a big foodie, I love dressing and going out with my friends to different restaurants and try different cuisines. I love reading, writing and believe these qualities have helped shape me into someone who can articulate thoughts very well. My main interest, however, lies in helping out the environment and sustainable development. I'm constantly involving myself in efforts to generate awareness about environmental issues and love volunteering for garbage pick and tree planting drives . I'm also very passionate about using my scientific temperament for finding sustainable alternatives to everyday devices.

About my India@75 Youth Ideathon idea

The idea is called the Tou(r)ch - which was a handheld torchlight which worked solely using the heat generated by the hand in which it was held . My product used various simple circuits to boost current generated and prolong the burning of the torchlight . It made use of cheap and readily available electrical parts which were compactly arranged in a thin PVC tube . The torch didnt require any cells or any charging and could be used anytime and anywhere .The best part about it was that it used a new and unexplored energy source and eliminated the need for conventional, polluting electrically cells.

How I got the idea and progress so far

I got this idea when I was doing research for my biology homework and came across an article on body heat. When I read about the amount of heat released by bodies I was shocked - it was equivalent to the amount of energy used to power a house for a whole day. I remember thinking to myself that why don't we just use this heat to run cars and airplanes then?

I spent the whole of 8th grade looking for articles on body heat and applications that run on it. My interest became so deep that I had to make myself buy a ResearchGate subscription just so that I could access some of the already published articles!

Fast-forward to a few years later where I came up with this idea and spent hours in the physics labs playing around with electrical circuits trying to constantly improve the model.

My inspiration in life

My inspiration is my mom. She's one of the strongest people I know and she's also the one who helped me develop an interest in sciences and research.

Other than that I am also hugely inspired by female entrepreneur and innovators.

Right now my idol is Melanie Perkin, the founder of Canva. I love the way she grew her small design idea into something so huge that has become a staple in every graphic design conversation. I also love the way she presents herself and talks about her withstanding interest in giving back and helping those in need. She's one of the most down-to-earth innovators and donates a very large percentage of her income to charities.

My future plans

I'm not very sure as of the moment - but I do know I want to go into geo-engineering and do something for the environment.

My aspiration

I want to help the effort to edge society form polluting and non-sustainable devices/appliances and help us move towards a future where we live hand in hand with nature.

I never want our children to have to get holidays from school because of air pollution and be told they can't go outside because the pollution levels are too high. I live in Delhi and the pollution makes winters almost unbearable - especially since I have asthma and a dust allergy that gets triggered and makes it hard for me to breathe. I think we all have a right to live in an environment which is clean and safe - something I haven't had. This is the problem I want to tackle and solve.

DHRUV AGGARWAL

Apeejay School,
Panchsheel Park, New Delhi

CLASS : 11



A bit about me :

I'm 16 years old and I am currently a junior with commerce stream. Apart from it I also have a keen interest in business. I've worked and helped my father's real estate business to drive more sales since the age of 13. While I don't have any real-life work experience, I've had a lot of exposure to the business environment and have a real sense of people problem. During the first lockdown I developed a keen interest in taking my marketing skills and market understanding to the next level and I haven't stopped since then.

About my India@75 Youth Ideathon idea

The idea was to create a service-based company with the main goal of helping people accomplish their ideal gardens. We will be taking care of their gardens and hiring gardeners to get the work done. While creating an app that provides a lot of stuff such as reminding people to water plants, colour match the gardens, create aesthetically pleasing vibe people want for their home and offer a range of services to help people create their ideal garden. From gardening design and installation to lawn care and maintenance, we're here to help people establish their dream garden without the hassle.

How I got the idea and progress so far

One day I was brushing my teeth on the balcony and saw my mother watering the plants at a very unusual amount of water. I was confused and asked her and she replied "I forgot to water them so let's water them all at once or else it will die." Then I realized the extent of problem and made it my mission to spread awareness and create a business model that will eliminate this problem. I contacted gardeners and my neighbourhood and questioned them casually to get the most honest answer of these problems and it seemed to be a common problem. Then I contacted local nurseries and potters to collaborate to create an ideal garden for people.

My inspiration in life

The image of my future self inspires me. Whenever I close my eyes and think about the future Dhruv, the one who overcomes every obstacles and never gives up on anything and lives to create an impact on people and advance the human outlook of each other. The Dhruv who wants to find and revive the earth's true nature and probably not the one who wants to move to Mars because that might be a possibility by then.

My future plans

My company's future plans is to expanding it and collaborate with big real estate groups and government to maintain the plants effectively, My goal is to plant as many trees as possible.

My aspiration

I want to help the ones who never ask for help and just give to us selflessly and having an optimistic view for our society while appreciating all the little things along the way and creating positive vibrations for the whole world.

DIA BAJAJ

MANAV STHALI SCHOOL
NEW DELHI

CLASS : 10



A bit about me :

I love art and history and music. My favourite artist is Vincent Van Gogh, I love his work especially the starry night. I have recreated starry night multiple times. I'm also very captivated by psychology. I'm a mental health enthusiast and I regularly read about mental health.

About my India@75 Youth Ideathon idea

My idea is to create an app one can easily access mental health resources like low-cost therapy and other self-help resources such as journaling, meditation, etc. from any corner of the country. With my app 'KEFI' I aim to be a platform where people can connect with mental health professionals from across the country while being in the comfort of their home. I also am planning to work towards increasing awareness about mental health as a whole through social media to help people learn about mental health issues and get more and more people to talk about them. Not only is this extremely important from a business standpoint but it's vital for society as well.

How I got the idea and progress so far

As I mentioned earlier, I am a mental health enthusiast. A few very noticeable problems I always found were that:

- 1) Enough people in our country don't know about mental health.
- 2) Even today any conversation about or around mental health is looked down upon and mental health remains to be a stigmatized topic.
- 3) Millions of people with mental illnesses go undiagnosed because people are either not aware of what exactly mental health is or they don't have enough resources to obtain help.

By carefully studying these problems I thought of coming up with an app. I have come up with a basic prototype of my app and conducted a few interviews to better understand what exactly people need. I am trying to read and gain more knowledge in psychology. The entire idea of studying the conscious and unconscious phenomena, including feelings and thoughts is something I find extremely intriguing!

My inspiration in life

I take inspiration from anything and everything around me. I often see things from unconventional perspectives, when an idea or a movement captures my imagination and speaks to my beliefs, I can give my whole heart to it. I aim to be around people that do things. I don't want to be around anyone that judge or talk about what people do. I want to be around people that dream and support and uplift others to do things.

My future plans

I am currently in a phase of my life where I am exploring a lot of new things and trying to understand what sparks my interest the most and what intrigues me. I am very ambitious and career oriented person so I think I would pursue a career in psychology.

My aspiration

A simple app can be a path towards a better future where mental illness is no longer looked down upon but instead is treated. The need of the hour is to provide people with trusted mental health resources not only in large metropolitan cities but also in small towns and rural areas.

DIPTESH KUMAR PARIDA

DAV MODEL SCHOOL
KHARAGPUR

CLASS : 8



A bit about me :

I consider myself as an innovator. I am basically interested in new ideas or in playing cricket.

About my India@75 Youth Ideathon idea

The project titled battery operated aquaguard involves three step purification of water. All the material used in every stage are readily available. Also this filter can be used by people in rural areas where there is erratic electric supply. Thus my project is an effort to help the rural communities. The three steps of purification are:

Step 1: In the first step the traditional methods of filtration is used

Step 2: In this step, alum is placed that makes the heavier particles to get trapped in the net.

Step 3: Here the electric current is charged and the magnet connected with the electricity is also present which makes the water totally pure and safe for drinking purposes.

How I got the idea and progress so far

I got this idea at my native village of Orissa. During the summer vacation, when I visit my village, I see that the villages are drinking impure water that is not safe for their health condition. There, the healthcare facilities are also poor. I questioned, today when most villagers can have a mobile phone but why not aquaguard, the answer given was that it costs a lot of money. Therefore, I thought about the idea to make a water purifier that is affordable by the villagers.

My aqua-guard is a cost-effective that can be produced in maximum two hundred rupees.

My inspiration in life

APJ Abdul Kalam is my inspiration because once he told that dream are not, those are seen during sleeping, dreams are those that don't let us to sleep in night are day.

My future plans

Basically, my future plan is that to work as a team (20-30) and develop my prototype and make it available for testing . Depending on the users feedback ,filter will be supplied at low cost to the rural people and thus I want to serve the community.

My aspiration

- 1) Society in rural areas should get awareness from drinking pure water to maintain good health.
- 2) To insist to have an awareness on getting water filter at low cost developed by me
- 3) Installing new features at public places like communities hall, temple entrances, drinking area and thus, society is free from all risky health issues.

HADRIAN SHANE RIBEIRO

CHINMAYA VIDHYALAYA
VADUTHALA, KOCHI

CLASS : 9



A bit about me :

My areas of interest lies in designing and aqua culture. I have a lot of rare marine fishes. I am studious, cordial, good in pencil sketching etc.

About my India@75 Youth Ideathon idea

My idea is automatic soil irrigation system which waters the crops without manual intervention. It can save water, labour, energy, increases crop productivity in summer seasons. It can be used in vertical farming, public lawns, rooftop gardening etc.

How I got the idea and progress so far

We have a lawn in our home and often find difficult to water. It when we were out for vacation, when I worked on this project. I made a working prototype using electronic components and worked well in my lawn.

My inspiration in life

My inspiration is my big brother who always excels in science exhibitions and presentations. My mentor teacher also gives me lot of positive energy and supports me always.

My future plans

I wish to pursue my career in marine biology, conduct researchers in that field. Designing is also my area of interest.

My aspiration

I Will respect every one equally and will always be ready to help, I will mentor other members of my society using my skills.

HARDIK GARG

VIKAS BHARTI PUBLIC
SCHOOL NEW DELHI

CLASS : 10



A bit about me :

I am a 15 year old budding entrepreneur. I like reading books, code and innovate. I love working on micro-controllers.

About my India@75 Youth Ideathon idea

I developed the prototype Drishti for the welfare of the visually impaired. It will enable a visually impaired person to avoid obstacles in an 180 degree field of view and is capable of reading and speaking any available text in front of the device.

How I got the idea and progress so far

A visually impaired person used to visit my home once in a month. I used to help him go around in my society. I witnessed the day to day problems faced by him and got this idea.

I have developed a working prototype so far and I have received good reviews with users.

My inspiration in life

My inspiration is every visually impaired person in this world trying to make through their day to day tasks independently.

My future plans

I look forward to developing and industrializing my prototype and make it available to at least 30% of the 15 million blind people in India by the end of year 2022.

My aspiration

I want to make all the specially abled independent! They wouldn't have to look for help. They can read any available text, go to any place they want on their own.

HARMANJOT SINGH

**JODHAMAL PUBLIC
SCHOOL JAMMU**

CLASS : 9



A bit about me :

I am a keen learner by passion and very enthusiastic about applying computer programming in STEM education. Learning and preparing to lead responsibly, creatively and ethically to apply new knowledge, technologies and inventions together is my core goal of life. I am a recipient of the PM Rashtriya Bal Shakti Puraskar Award 2021 under Innovation Category (highest national civilian honour for children in India), Olympiad Gold Medalist, Certified Full Stack Developer, Programmer and Orator. In addition, recently I have been selected as a Young Member of the New York Academy of Sciences, USA. My fields of interest are Technology, Innovation, Science and Computer Programming. My favourite subjects are Physics, Maths and Computers. I love to participate in debates, quizzes and Model United Nation Conferences as well where I have also won various accolades.

About my India@75 Youth Ideathon idea

Emotional and mental health is important as it encompasses our psychological, emotional and social wellbeing. It plays a vital role in the health of our relationships, allowing us to adapt to changes in life and deal with adversity.

The Covid-19 pandemic has had a major impact on our lives. Many of us are facing challenges that can be stressful, overwhelming and cause strong emotions in adults and children. One in four people in the world will be affected by mental or neurological disorders at some point in their lives. Around 1 billion people currently suffer from such conditions, placing mental disorders among the leading causes of ill-health and disability worldwide. Considering this as quintessential and need of the hour, I have developed Calmify a full mental wellness Tech package to help and discover ways to take a healthy approach to your emotional wellness.

It includes a mobile application along with a novel and innovative Mental Wellness Smart Glove, which will surely help people to cope with stress in a healthy way. IoT technologies have a great potential in mental health for diagnoses, treatment, and care due to the increased ability to collect real-time data indicating patterns of activity and behavior of people. On that note, I developed Calmify as a IoT based Bio Medical Embedded System that aims to provide a mental health solution that is efficient, cost effective, feasible, easy to use and most importantly affordable for everyone.

The smart glove is a wearable device that can monitor the mental wellbeing of the patient and provide ML predictions on the onset of serious mental health issues using psychophysiological signals obtained from unobtrusive smart sensors embedded in the glove which can be carried during the daily life routines of individuals. Overall, it will be helpful in providing proactive healthcare to the patients.

How I got the idea and progress so far

I got this idea in my mind during the 2nd wave of Covid. That was very challenging time for most of the people which had major impact on their mental health. So far, I have fully developed the Functional final stage Prototype of the Smart Glove and Working mobile application connected to the glove.

My inspiration in life


Dr APJ Abdul Kalam, Sundar Pichai, and Satya Nadella inspire me the most as they have ignited my mind to develop conviction in myself and put my best efforts to achieve my goals as there is no alternative to effort and hard work.

My future plans

As I am a STEM Enthusiast, it is my ambition to become a Computer Scientist and thus aspire to learn, focus and innovate new useful things on a global platform.

My aspiration

Each individual creature on this beautiful planet is created by god to fulfil a particular role. We are all born with a divine fire in us. Hence, in my opinion, my



prime effort shall be always to give wings to this fire and fill the world with the glow of its goodness, empathy, giving back to the community along with learning from failures too. My motto of life is "Learn and Grow".

HARSHAL GUPTA

KRISHNA PUBLIC
SCHOOL DURG

CLASS : 9



A bit about me :

My major interest is in science, more specifically astronomy and physics. One of my major hobby is solving puzzles like Pyraminx and Rubiccube.

About my India@75 Youth Ideathon idea

The idea that I gave was AI powered system in the automobiles that can help prevent accidents.

How I got the idea and progress so far

Few months ago, I was on a long road trip journey to Puri. During that time I felt the need of such system. Till now I have made a basic prototype for it.

My inspiration in life

Elon Musk.

My future plans

My future plans are that I want to become an astrophysicist.

My aspiration

By becoming an astrophysicist I want to develop India in the field of astronomy. India is lagging much behind in the field of astronomy in comparison to countries like Russia, USA, Japan etc. My goal is to change that.

HASINI LAKSHMINARAYANAN

Chettinad Vidyashram
Chennai

CLASS : 8



A bit about me :

I'm a social entrepreneur, I love public speaking and also have a passion towards arts !
And love interacting with people.

About my India@75 Youth Ideathon idea

It's Youth Empowerment, The First Step which is my organization where we aim to inspire motivate and Empowerment children through interviewing young achievers.

How I got the idea and progress so far

I have always loved public speaking since I was 4. I have dreamt to be an inspiration to children. India's 39% of population is youth why not bring in youth Empowerment in India and just spread some motivation which will help youths idea pop up making India a super country.

I have interviewed 80 plus children. Written close to around 50 plus articles about young achievers.

I have done 50 plus seminars in schools colleges and forums. Leading to interact with about 1 lakh plus youth across the world.

My inspiration in life

Rahul Narverkar, Founder of The India Network and Sujith Kumar, Founder of Matram foundation.

My future plans

To become a successful entrepreneur and to develop my idea The First Step achieving my dream to be an inspiration.

My aspiration

By breaking this myth that education is the only mean for someone to be successful and by spreading motivation.

HEISNAM MICHAEL SINGH

**The Churachand Higher
Secondary School, Imphal**

CLASS : 12



A bit about me :

Reading comics, playing chess, making DIY organisers are some of my hobbies. I also love binding notebooks. Talking about interest, I love doing/making/working/studying about electronics projects. This is why I have chosen science stream in higher secondary.

About my India@75 Youth Ideathon idea

The idea that I submitted in the Youth Ideathon is to make multi-functional device. It is a simple jumping rope that whenever a person jumps the rope, it will generate some electrical energy. We can also see the device as a power bank which have multiple charging modes and also have features for lighting. Its main features is for charging mobile phones and led lighting.

Although, the device generate electricity from jumping the rope, it can also generate electricity by simply holding the handle of the jumping rope and rotating it with our bare hand or by attaching the pair of handles in a bicycle for the rotating action. Moreover we can also charge the device (working as Power Bank for Mobiles) from external power sources like solar energy, domestic electric supply and other external power supplies.

How I got the idea and progress so far

I thought about generating electricity for our own from my childhood, (I think from 5th standard). I think of this idea because the domestic electric supply is very much irregular in my childhood period. The power is being supplied to alternate days in those days. But, thinking about making a device to make my dream happen is from the 12th standard. As in the 12th syllabus, I have learnt much about electricity and electronics (in physics).

I have plan for making the device. For the time being I don't start building it, because I don't have money for this project.

My inspiration in life

My inspiration is my father. He is a civil engineer, Once working in Bangalore. Although he is a civil engineer,he loves electronics and robotics. He is the one who inspired me to study/work in electronics.

My future plans

But for the first step towards my journey,I would like to build the device that I am taking about in the Youth Ideathon. As for now I don't have any experimental knowledge about my project.

My aspiration

I like to invent and discover many things in science and technology and make the society live in the best possible quality life.

HIYA PAUL

**BHAVAN'S GANGABUX KANORIA
VIDYAMANDIR, KOLKATA**

CLASS : 11



A bit about me :

I am an avid reader and a good orator. I also believe in my leadership skills and team spirit. If reading is my primary hobby, cooking definitely occupies the second place. During the COVID lockdown, I acquired this skill from my mother and since then, a dive into the culinary world has always helped me to unshackle myself from the manacles of monotonous schedules. I also have eager interest in the field of space science and space technology. Learning about various space missions has greatly enriched me and helped to broaden and diversify my outlook, much like how space is expanding even today!

About my India@75 Youth Ideathon idea

THE PHILANTHROPICAL NEMOPHILIST- Affordable and Eco-Friendly Notebooks. My idea is to make notebooks using recycled items only. The notebook cover will be made by fusing used plastic bags while the pages of the notebook will be made from old newspapers, sheets of paper on which we have already written and other scrap paper.

This process of recycling plastic bags and paper will allow us to curb the mammoth concerns posed by the build-up of plastic in the environment and indiscriminate deforestation. Moreover, the easy availability of the raw materials will make these notebooks easily affordable even for the economically deprived students, thus solving the major societal problem of lack of notebooks for the poor students at low costs.

How I got the idea and progress so far

One day, when I was ironing my clothes, I accidentally ironed the corner of a plastic bag that was lying nearby and to my surprise, I noticed that it turned stiff on cooling. I researched further and found that this process is known as fusing.

This created a spark in my brain and I realised that this would be an effective way to recycle plastic bags. I also noticed that during the lock down, many people who lived in the outhouses as caretakers of the houses in my neighborhood had lost their primary occupations and so they could not afford to buy stationery for their children. This disrupted the process education of their children. This was when I came up with the idea of making affordable recycled notebooks- the pages will be made from discarded paper while the cover of the notebook will be made by fusing used plastic bags. So far, I have already made my product manually.

I have also worked out the entire process that needs to be adopted to manufacture these notebooks on a commercial basis, including all the machinery required. I have also estimated an initial investment of Rs.7 Lakhs to start commercial production. I have also estimated that a standard 27cm*17cm notebook of 172 pages and 140 GSM paper that I produce will be sold at Rs.25 to Rs.30 per notebook as compared to the notebooks that we get in the market today with the same specifications and 70 GSM paper costing Rs.54 per notebook.

My inspiration in life

My inspiration is Dr. Urvashi Sahni, Founder and Chief Executive of Study Hall Educational Foundation. As a social entrepreneur, women's rights activist and educator, she has made great contributions both to the educational system and to our society, at large. She has relentlessly fought for gender equality both in the social and educational spheres and her work has impacted the lives of millions of teachers and students, mostly girls belonging to the marginalised sections of the society.

My future plans

My future plans regarding my idea include commencing large scale commercial production of these notebooks and making them available for the poor students at very low cost. I also plan to partner with NGOs so that I can maximise my outreach and help more students.

I also plan to train poor women and other unemployed people in rural areas. I, along with others in my team, will train the people regarding the process

in making these notebooks. Then, they will themselves be able to collect the discarded paper and plastic bags from their respective villages, recycle them and make the notebooks and sell them.

This will not only promote the healthy process of recycling that must be adopted at an individual level but it will also provide productive employment for the unemployed and especially women. The machinery can be set up in one unit that will be responsible for notebook distribution in a group of 3-4 villages.

My aspiration

I want to impact the society in a positive manner by ensuring that every child in the rural and semi-urban areas get access to notebooks and no student's education is disrupted due to lack of resources.

I also want to protect our society and our environment from the adverse effects of build-up of plastic and rampant deforestation. My recycled notebooks will be able to address both these issues and "heal the world" and make it a better place to live in.

ISHAAN BHIMWAL

ARMY PUBLIC SCHOOL
PUNE

CLASS : 12



A bit about me :

I am an aspiring social entrepreneur as well as a tech enthusiast. I really like to work with both these aspects to help the society.

About my India@75 Youth Ideathon idea

Suraksha-Glove - Smart Women Safety Device. Suraksha glove proposes a smart solution to address the problem of women safety and overcomes the shortcomings of existing devices. The proposed design comprises of features to notify family members and nearby police station for immediate assistance when women are not safe. Moreover, a shock wave generator is a part of the proposed design which women can use to attack the perpetrator.

How I got the idea and progress so far

I got this idea as a result of all the mis-happenings that are prevalent in the society through news channels and newspapers. I have made a working prototype of the glove as well as talked with Women in Data Science (WID), a Pune NGO) as a initiative to commercialize this project.

My inspiration in life

Sonam Wangchuk.

My future plans

I have my 12th boards going on right now and then my IITJEE attempts. I aspire to pursue computer science from a well reputed college.

My aspiration

Society has many problems and one individual cannot solve all of them but if each

individual uses his or her main quality as a tool to tackle the issue then we can get benefited from it. I want to uses my skills in computer science and tech related things to do the same environment.

JAYANT SAKKARWAL

Salwan Boys Sr.Sec.
School

CLASS : 8



A bit about me :

My name is Jayant Sakkarwal. I study in grade 8. I love to study and I also love to participate in contests.

About my India@75 Youth Ideathon idea

The earthen pot cooler. It's is very cheap and also easy to carry anywhere. And it's environment friendly also . It is made up of e-waste. Poor peoples can also buy it very easily. And he also don't want to much of water so water is also saved.

How I got the idea and progress so far

I saw poor people sweating in summer season, so I thought to make something useful for them. That's when I got the earthen pot cooler idea.

I shared my Idea with my school teacher and within six days, we were ready with our earthen pot cooler. I presented my idea in school and I got certificate and I also won theme award (best green idea) at Youth Ideathon.

My inspiration in life

Teachers and my mother.

My future plans

I want to sell many earthen pot cooler to poor in very low price. And after that I want my admission in IIT.

My aspiration

I will describe my idea in Hindi so they can understand it easily. And I will give my earthen pot cooler in free for trial and test to see it.

KESHAV GOYAL

DAV PUBLIC SCHOOL
PATIALA

CLASS : 12



A bit about me :

I am a student in commerce stream and I have interest in financing and management of business organisation. My hobbies are playing music on and trading in Stock Exchange.

About my India@75 Youth Ideathon idea

An augmented reality (AR) app on education.

The app could bring a change in way the students treat education nowadays and will bring a shift from theory to the creative place of study.

How I got the idea and progress so far

I got this idea by seeing the lives and the way of study of the students. I have developed a prototype of the app which contains model of DNA of human body.

My inspiration in life

Dr APJ Kalam and students striving hard to achieve success.

My future plans

First of all I will get my idea patent and then I with the help of professionals will develop this app.

My aspiration

I want to bring a change in society in a way that the students can study in a well concentrated and creative environment.

KOENA MASSY

THE MAURYA SCHOOL
GURUGRAM

CLASS : 9



A bit about me :

I like to read for pleasure, I have a great interest in psychology and plan to be a psychologist when I graduate and I also love to write and participate in debates.

About my India@75 Youth Ideathon idea

The idea I submitted was the prisoner initiative, the main gist of my idea was creating awareness about the misery prisoners are put through every day and the injustice some juveniles.

How I got the idea and progress so far

I got this idea by researching into India's prisons and so far I have spread social media awareness and have tried to make collaborations with certain youth ideathon participants.

My inspiration in life

My inspiration is Mamata Banerjee. She inspires me to be the best version of myself and to never give up.

My future plans

My future plans are to study to be a criminal/child psychologist, I am intrigued by the way the human mind thinks and would love to learn about it even further.

My aspiration

Regarding my idea I would like to start with the people society has named the worst of all and help them. When I achieve that even if it may be one person that I helped, I still would've made a difference.

KRISH BHATNAGAR

AMITY INTERNATIONAL
SCHOOL GHAZIABAD

CLASS : 11



A bit about me :

My areas of interest are Coding and Artificial Intelligence. I usually spend my leisure time reading or playing badminton. I particularly like reading autobiographies which I feel helps in learning practical and important lessons of life.

About my India@75 Youth Ideathon idea

I have created an app called SAATHI, which aims to leave no child behind by reimagining virtual education for Children with special needs. It is one stop comprehensive solution that offers various perks including social connect, gamified learning, personalised activities, voluntary help by organizations, colour/theme based learning environment, and monthly rewards. I aspire to create a large community of stakeholders for children with special needs and those concerned with their education.

How I got the idea and progress so far

What saddened me during the pandemic was that the big ed-tech companies didn't cater to children with special needs at all. Their focus is mostly on coaching / competitive examinations whereas the paradox is that there are so many learners with learning disabilities who find it difficult to learn even the basics and yet due to pandemic they were excluded from virtual learning. I have created the app through MIT App inventor and am contacting various NGO's to connect more stakeholders. Through social media marketing and participating in national competitions and events I am creating more awareness for the app, and its further development.

My inspiration in life

The visionary scientist Dr. APJ Abdul Kalam is my inspiration. A quote from Wings of Fire always inspires me: "We are all born with a divine fire in us. Our effort

should be to give wings to this fire and fill the world with the glow of its goodness.” His attitude of never giving up, his scientific knowledge, humility and simplicity inspires me a lot. For me one of the blissful moment was the when I got Dr APJ Abdul Kalam “Ignited Mind Children Creativity and Innovation Award” for my app on his birth anniversary. When I didn't make it to the top 10 for Youth Ideathon and I read his quote " Failure will never overtake me if my determination to succeed is strong enough." and that's why didn't feel dejected or sad.

My future plans

I want to pursue Computer Science and Engineering. I aspire to become an app developer cum entrepreneur.

My aspiration

I have done various projects based on social entrepreneurship and I feel that through coding I can create tech enabled solutions which can actually help the masses.

MEHAR RAJ PRADHAN

St Augustine's School
Kalimpong

CLASS : 10



A bit about me :

I had started to innovate since 2019 in the pandemic when I had no particular hobby. At that time, I developed interest in IoT and robotics field.

About my India@75 Youth Ideathon idea

My Youth Ideathon project is based on Army Safety Gate.

It is an IOT based safety ring that senses vehicles entering cordoned areas and stops these vehicles before it can harm the sensitive places. I have innovated this Army Safety Gate which has IOT based ring fence that opens and closes the gate only after proper safety checks.

How I got the idea and progress so far

I got this idea from the Incident that took place in Jammu & Kashmir in February 2019 where the Terrorist went Inside the army camp with full speed of their vehicle/car and gave a bomb blast where many Indian Soldiers were affected.

My inspiration in life

Dr. APJ Abdul Kalam.

My future plans

My future plan is to become a Scientist and to serve India as My India and not your India.

My aspiration

I want to serve India in IoT field.

MOKSH HITESH CHHEDA

DREAMWORLD SCHOOL
BELLARI

CLASS : 8



A bit about me :

I am interested in projects, innovations, art and crafts. Favourite subjects are mathematics and physics, favourite outdoor game is football and favourite indoor game is chess.

I have performed few magic shows for children. I love to explore different places, facts and ideas. I am interested in entrepreneurship and stock market. I love to live rich and modern life. I am an active member of band group.

About my India@75 Youth Ideathon idea

I want to make a device to apply regenerative mechanism in ceiling fan. So that the fan will work with the electricity produced by turbine technique. First the turbine device will produce electricity and that will be stored in a battery. The stored electricity will be returned to the fan to work. Again this rotation of fan will generate electricity and again it will go to the battery. This process will continue to create zero electric bill generation.

How I got the idea and progress so far

I saw some advertisements of fans in television like in which the fan will create less electricity bill. I thought to make device that will not at all produce electricity bill. I saw some projects of turbine and how the turbine works on social media and thought of making the device. I have studied the turbine technology. I thought of my device name i.e. 'TUR-FAN'.

My inspiration in life

My inspirations - Thomas Alva Edison, and I want to invent something that would help, serve, improve, and develop technology. And India would feel proud. I even want a rich life personally.

My future plans

Developing prototype of 'TUR-FAN', and learn, study and invest in stock market. I am thinking of another project of making Battery that would produce electricity using turbine technique and DC Motor, this can be used as power for electric vehicles and appliances to work with zero electricity bill generation.

My aspiration

I will impact the society in a positive manner as being a person to help poor and needy. My device will make India proud to have such a good development in whole world. I personally will be proud to be owner of such a good company and I will be having enough source of blessings and money.

MRINMOY MAHATO

**S.D.S.M. SCHOOL FOR
EXCELLENCE JAMSHEDPUR**

CLASS : 10



A bit about me :

I like innovation and technology. I like programming languages, solving and exploring Mathematics, Sketching and Painting. In free time either I read books or use my mobile for finding out something interesting.

About my India@75 Youth Ideathon idea

AUROWCAT (Automated Road CleAningboT) is a easily operated robot used for cleaning small roads. The working of the model is as follows:

Firstly the ultrasonic sensor attach in the front will detect the waste particle and send the signal to the Arduino UNO. Then the arduino is connected with 1 LDR circuit which further connects to 2 LDRs. As the signal passed to the first LDR circuit the LED in that stops flowing which will make the other two LDR circuits to activate. These two circuits are then connected to two Motors at the front a turbine like structure and is connected to the shaft of the motor which will rotate when the motor starts rotating. This turbine will rotate and as a particle will come closer to it, it will make the particle to go inside a box(dustbin) which is played at the front of the truck/main body. The sprinkler at the back of the truck will now Sprinkle water on the road there will be two circular brushes which are attached after the sprinkler will rotate in opposite directions. This will make the dust particle to sweep out and get collected by the brushes at the back.

How I got the idea and progress so far

In India, there are many large machines (vehicles) for cleaning roads. But as they are big machines, they can't get in small roads (like gullies). Also the machines leads in

wastage of water, diesel non-renewable). Usually when we clean things or see people around us cleaning, they use different things(like broom, mopper, etc).

AUROWCAT will broom the road, mop the floor and pick the garbage. We can control it by a single remote. It is almost 70cm long. It will be very helpful for the sweepers.

My inspiration in life

My inspiration is Srinivasa Ramanujan, who did great things in the field of mathematics in spite of his lack of degree.

There are several others who have inspired me - my father, my teachers and my friends. My father realised me that I am good at math can achieve a great place. My teachers build my confidence and supported me in every step. My friends help me enhancing my skills not only in studies, but also in field of robotics and IT. Also If my friends we're not be with me, I would not be here.

My future plans

My future plan is to crack JEE(Mains and Advance, both) and step in IIT. My target is to secure 100% marks in 12th boards. After that, I want to do Master degree in Mathematics and PhD in Mathematics and become Dr.MrinmoyMahato. My main aim is to do Research in Maths and make my country proud.

My aspiration

Our main aim for making this project is to clean every part of small roads. At present time, there are many big machines which can clean roads. But they just can't get in small roads like gullies. In India, there are millions of gullies at every part. Our model can just get in and clean every corner. We can also use this robot as a home cleaner (by doing some modifications). As it is small it can get in every corner of house without any difficulty. It is portable and we can carry it in any place.

NABHYA MEHTA

**Sacred Heart Convent School
Sarabha Nagar, Ludhiana**

CLASS : 7



A bit about me :

My area of interest is in business tips to grow and promote, in engineering and physics. My hobbies are playing chess, playing cricket, watching YouTube.

About my India@75 Youth Ideathon idea

My idea is to make a mobile app for customers and retailers through which retailers can feature their shop in the app and can update their discounts and offers and it will also help them to reach more customers.

For the customers they can simply type their city name and come to know all the offers and discounts in their city by just sitting at their place.

How I got the idea and progress so far

One day, I was in a mall with my parents and my father was searching for better offers and discounts. At that time, I thought it would be so easy if there would be an app that can tell all the discounts and offers of all shops.

The progress so far that I have made that I have made blue prints of the app.

My inspiration in life

Elon Musk and my Dad.

My future plans

The future plans for this idea is to develop this app and available to everyone.

My aspiration

I want to make India the most developed country and solve the core problems of the people.

NAMIT ARORA

NC JINDAL PUBLIC SCHOOL
NEW DELHI

CLASS : 11



A bit about me :

I enjoy stock trading and investing.

I also work as a freelance designer and content writer. 90% of the money I make from freelancing is invested in the stock market. I'm also reading books and watching videos to learn more about Finance & marketing.

About my India@75 Youth Ideathon idea

So far, I've spent a lot of time refining my idea. Following the interviews and surveys, I began designing my application and made numerous improvements to my software.

How I got the idea and progress so far

I had this idea while trading. And I've started working on my software.

My inspiration in life

Future Namit Arora

My future plans

Entrepreneur, investor and a great teacher.

My aspiration

By giving them financial education.

NAVYA BANGA

The Gurukul,
Sector 20, Panchkula

CLASS : 6



A bit about me :

I like to listen to music, and recognize the type of instruments and vocals music artists use. I play the piano, and like to play English Songs. I love to listen and discuss about topics and technology with my dad. Learning new affects in video editing is cool. I like looking at different themes and aesthetics.

About my India@75 Youth Ideathon idea

The idea is based in the problem of posture and the problem of not getting up in a while, and remembering to stay hydrated. The chair has sensors which detect wrong posture and uses the nudge theory to remind you to drink water. I was inspired by the increasing problem of posture, especially in young kids.

How I got the idea and progress so far

I got the idea from my dad, as he has several posture problems and often gets severe back pain. I realized that I was lacking exercise and water hydration while doing online classes.

My inspiration in life

Ritesh Agarwal, and how he opened his own company at 19.

My future plans

I would like to build a prototype of the chair, and keep adding and making the features better and advertise it using a plan inspired by Elon Musk.

My aspiration

Since I was young, I always had a thing for helping the environment, and making studios on scratch and inviting people on it. I want to use environmentally free



items to help make my chair and volunteer to help the Earth. I also agree with women empowerment.



NEEL KUMAR

ST ANGEL'S SCHOOL
ROHINI, NEW DELHI

CLASS : 10



A bit about me :

My hobby is computer programming and besides this, I love to explore science and space.

About my India@75 Youth Ideathon idea

In India, huge amount of coal is used for energy generation and this will lead to coal crisis in future so keeping this in mind, I thought of a device, which we can implement on footpaths and roads and whenever we apply pressure on it, then, it can generate electricity purely free.

How I got the idea and progress so far

Two incidents happen that let me to develop this idea. First was when I was watching television and I saw Mr. Arvind Kejriwal on news regarding coal shortage in India and second was when I was once stuck in a very harsh traffic. During those days I am studying about piezo electricity and all this led me to develop this idea.

My inspiration in life

Dr APJ Kalam, former President of India.

My future plans

My future plans are that I am preparing for IIT-JEE exam so that, I can get into IIT and retrieve some good engineering skills and experience from there and serve my country, INDIA. I do not know what I am going to do in future, but I will definitely serve my golden bird for its betterment and development!

My aspiration

I want to impact the society by making everyone to get educated so that in

future, they will further develop themselves and grow. Besides this, I also want to provide employment where they will not only work but also gain lots of experience and knowledge.

NEHAL KOTHARI

**Maharana Mewar Public
School Udaipur**

CLASS : 10



A bit about me :

My hobbies include reading biographies, exploring new places and painting. I love participating in different kinds of competitions like debates, poetry, giving innovative ideas and much more, as it gives me tons of confidence, along with the experience gained.

About my India@75 Youth Ideathon idea

My idea was to create an Automated Insect Protector to save the crops from the attack of locust swarms. It would have a sensor connected with large musical instruments. As soon as the sensor would detect locust swarms in the fields it would automatically turn on the musical instruments in loud noise due to which locusts would fly away as they are afraid of loud noises. It would prevent the crops, prevent the loss of farmers and ensure food security.

How I got the idea and progress so far

I got to this idea by reading an article of The Hindu. It mentioned about the increasing attack of locust swarms in India and the loss which farmers faced. When I thought of creating such a machinery, I didn't know how will it work and how will farmers reach to this, so it was just a simple idea with no efforts. But when I got a mail for congratulating, on being selected in the Top 500 of the Youth Ideathon, I then understood that this idea really had a great potential. After listening to today's great entrepreneurs in all the masterclass, I started working on this idea, analyzed the cost, type of sensor to be used, how much area would be secured and many more things. Being in the Top 50 was really worth it.

My inspiration in life

All my fellow mates in the Youth Ideathon are my biggest inspiration because

seeing even younger students than you, doing wonders is really inspiring. Secondly, all the entrepreneurs whom I listened to, in the masterclass gave me an another level of inspiration because despite having so many ups and downs, reaching the heights and being a successful entrepreneur is worth everything. And most importantly, Youth Ideathon team is a great inspiration definitely. Watching them doing so well inspires me to help young children who are very talented but don't have a platform to showcase themselves.

My future plans

I will talk to different people and take their suggestions and would soon create the working prototype of my idea and will take it further because I personally feel it's a great idea socially. I want to make every farmer rid of the problems they face due to the attack of locust swarms. I want Automated Insect Protector to reach every farmer out there.

My aspiration

I want to impact the society in a positive manner by appreciating every small thing around me as appreciating is the best booster one can have. I will offer my own skills to the younger ones around me and will do every possible thing I can, for making a positive change in the society.

NILAANY KAVIMANY

**St.Patrick Matric Higher
Secondary School, Puducherry**

CLASS : 11



A bit about me :

I am Nilaany, a junior year student from Puducherry, I am an ardent learner of physical science and I love exploring the various prospects of technology which makes this world a better place for everyone. Besides my entrepreneurial work, I enjoy cycling and spending time in the library.

About my India@75 Youth Ideathon idea

I submitted an idea for an app that aims to make inclusive communications during the pandemic using semi-supervised machine learning. This idea addresses a peculiar problem for deaf and mute people. Through this app, deaf and mute people will be able to decipher the other person's speech via mouthing recognition and subsequently, the other person can understand sign language through this app.

How I got the idea and progress so far

When I visited a special school after the pandemic, I felt hard to communicate with the students there. They couldn't decipher my speech as I was wearing a mask. I wanted to solve this problem as masks are really important and I started to create a machine learning model for this very purpose. So far, I have created the UI for the app and I am researching on deploying a semi-supervised model.

My inspiration in life

My family members have always been my inspiration. Seeing them work towards the development of various sectors of society has motivated me to apply my knowledge and innovate for the welfare of society. During the pandemic, I witnessed many of my peers, who utilized their time to volunteer and work to make the situation better. They are also my inspiration.

My future plans

As an enthusiastic high schooler, I want to pursue a career in physical science. I love doing research apart from my innovation projects and entrepreneurial activities. I want to find problems and make inclusive solutions using the wonders of science and technology in this fast-forwarding world.

My aspiration

I want to make a positive impact in society by innovating and by sharing my knowledge with others. Not everyone is gifted with a formal education and access to soft skills such as coding and entrepreneurial education, so I want to share my knowledge with those and help them to prosper as well.

NILESH KUMAR SRIVASTAV

BAL BHARTI PUBLIC SCHOOL
NOIDA

CLASS : 8



A bit about me :

I like to code, innovate, play chess, kabaddi and badminton. My favourite subjects are mathematics and science.

About my India@75 Youth Ideathon idea

I submitted a device, which is a chair named Exoshock, which can prevent drowsiness by keeping the driver alert by buzzing and AI detection, and can be used to prevent accidents while long driving or night driving.

I found that 40% of the road accidents occur just due to drowsiness. Also during night study many children found it difficult to do, so they can also be helped by my product.

How I got the idea and progress so far

I got this idea because recently an accident happened in my friend's family due to drowsiness. So I thought to think of an idea which can prevent it. I have made a 3D model and now with the help of ATL lab. I am going to build the real working chair (prototype). So basically I am on the prototyping stage.

My inspiration in life

My inspirations are Stephen Hawking and Albert Einstein, And also Mark Zuckerberg and Narayana Murthy. My other inspirations are my teachers and different start up shows and programs to push up innovations.

My future plans

I am thinking to patent my idea along with contacting automobile industries for my product. Also I will be running a side plan of B2C for direct supply of product.

My aspiration

I want to save lives by preventing accidents as 40% of accidents are caused by drowsiness. And some other works like night study are also prevented by drowsiness so that can also be helped.

OVEYA KIRUBAHARAN

Gateway IB Continuum World
School Chennai

CLASS : 11



A bit about me :

My areas of interest : neurology and psychology, artificial intelligence and robotics, astronomy, physics and space science, Archaeology and Egyptology

My hobbies : making prototype modes, researching and Designing theories, Playing chess , sporting activity (swimming,badminton, soccer, athletics), puzzles and teaching robotics.

About my India@75 Youth Ideathon idea

I've created a device that can control the usage of water specifically designed for showers. This is an IOT based project ,The device will be able to calculate the amount of water in everyone's daily routine, helps to program the threshold and notify the user on the domestic consumption. This data will then be sent to the mobile application. By doing this, I estimate to save up to (approximately) 56% of the average water that is being used for shower. Current scenario's and the information received on water topics around the world is a clear sign that every responsible Government / individual will be searching for a solution / role to play in conserving water. Hence my target audience would be the entire world.

How I got the idea and progress so far

My personal interest in science and technology comes from watching various videos on scientific innovations and facts related to global issues and science. These factors provoked my inner social conscious and the awareness, particularly on water bodies such as scarcity in the coming years ,water wastage ,saving of water bodies from pollution and etc . This project gave me an opportunity to take initiative in finding a solution to one of the most important global issues in the present and the future , water scarcity. The device is a working prototype.

My inspiration in life

Albert Einstein and Leonardo Pisano Bigollo.

My future plans

6 research projects for school in areas of neurology and psychology, artificial intelligence and robotics, astronomy, physics and space science, archaeology (specialisation Egyptology)

My ideal jobs are astronaut, robotics engineer, researcher (neurology and psychology) or cosmologist.

My aspiration

I usual solve my own problem and I would like to start solving global issues and other problems.

PL AKILAN

VELAMMAL VIDYALAYA (MAIN)
Chennai

CLASS : 11



A bit about me :

Ever since I was a kid, mobiles and computer fascinated me a lot. used to play a lot of games and I used to spend a good period of time every day playing with it. Later I was introduced to the field of building application, coding, AI, VR, graphic designing and all those related stuffs at my 11th grade.

These fields fascinated me a lot and I started to learn about these things in a daily basis, I felt that these could probably take me to greater heights. Within days, one of the best things to happen was my selection in Top 50 in India@75 Youth Ideathon.

Some of my areas of interest are coding, developing applications and analysing databases, graphic designing and developing ideas that could revolutionize the future field of technology. My hobbies are stone skipping, learning new things, analysing company stocks, travelling, sleeping and playing cricket.

About my India@75 Youth Ideathon idea

My idea (working prototype) is an app that can make people use the features of a smartphone from their old button phone. You can book train, bus, flight tickets and make secure payment transactions from top banks. You can also attend any video conference and also enable students to attend online classes from their old button phones. You can make secure bank to bank transactions and also book gas cylinders.

We also have a special feature that if a woman is facing any forms of abuse, just by clicking "help me" button. Once after clicking it your location will be sent to nearby police station, hospital and fire station. And every number in your contact becomes Toll free for a while to connect with you Other than this users can make

secure search, you can watch movies from OTT platforms, block pornography sites, buy products online, book taxi, make meal orders and a virtual assistant (Tamil) is also available where you can chat, play songs from YouTube, search Wikipedia. Our app also blocks dangerous sites restricting the users to access them, and also cleans cookies at regular basis. We are also developing a new technology to safeguard users from cross-site tracking while preserving the open web.

How I got the idea and progress so far

I got this idea at my classroom, when my teacher explained me the story of pen, where at the start it was used just to write in papers, notes and pads. But now we have apple pens used to write in screens and zero gravity pens, developed by NASA to write in space where we have zero gravity. And I correlated this with mobiles where a simple button phone can make people access the features of high end smartphones and even more, just at a cost of INR 1000-3000. For the reasons of promotion I have discussed about my idea and app in great stages and one among them is India@75 - Youth Ideathon. Presently I am running a venture with 50 happy users with a small software team consisting of myself and my brother.

My inspiration in life

My inspiration is no other than myself because of my never give up attitude, my commitment to one purpose, single-mindedness, and ability to follow my heart beyond the established stereotypes are the main qualities I most admire about myself.

My future plans

My future plan is to perfect the field of coding, leadership, finance and risk-taking skills and to join Google where I will work hard and rise to become the CEO of Google, where I will work hard to improve the lives of people not only America or my country India but the whole world.

My aspiration

There are people devoted to corrupting society, thereby leaving a negative impact directly or indirectly. But, on the other hand, some kind of people want to make our society a better place by leaving a positive impact. There is a general belief that says to impact society either positively or negatively one must have superior power over others. This is not 100% true.

While leaders in every section tend to have a kind of impact on their followers, but we have examples of people who hold no significant post that has had a great impact on society. For instance, a family member. A family is a minor section of society. We can say that whatever impact the father or the mother had on their children will affect society in one way or the other. Here, the father or the mother doesn't have a major post or office in society, but they play a major role in the positive impact of society.

My guiding values are:

- 1) Living a purposeful life
- 2) Committed to improving themselves and others around them
- 3) Saying and standing for the truth (honesty)
- 4) Always ready to help
- 5) Respect everyone equally.

POOJA BHATTO

**St. Johns International
School Fatehabad**

CLASS : 11



A bit about me :

My interest is all about Share Market and impacting people's life apart from that I am a bibliophile, public speaker and trying to find answers of my questions in this ever changing world.

About my India@75 Youth Ideathon idea

My idea was based on solving hardships of farmers by bringing second green revolution totally replacing chemical fertilisers and pesticides with organic fertilizer (vermicompost) with concentrating on women empowerment.

How I got the idea and progress so far

I came up with this idea when my father failed in business module based on farming (net house) because of the dilemma he was facing in using suitable fertilizer for crops and women entrepreneurship popped in mind when i saw ladies around me making cow dung cakes and not making any money out of it after doing a lot of hard work just because of not having proper knowledge of it.

My inspiration in life

Warren Buffet and Harshad Mehta.

My future plans

Replacing Warren Buffet in the share market.

My aspiration

By making my every dream come true of impacting people's life specially girls.

PRANAY SHREERAM

Vision International
School Ankleshwar

CLASS : 9



A bit about me :

My interests are making new models, reading books and travelling.
My hobbies are cycling and gathering information.

About my India@75 Youth Ideathon idea

The idea was about giving unique solution to the farmers and garden owners .It will save time ,energy and water and thus sustainable solution. It is also helpful for those who do not have much time to take care of their flower pots ,gardens and farms because the system works automatically. It irrigates the fields, flower pots, gardens as per requirement of the moisture level and at appropriate time.

How I got the idea and progress so far

My grandmother used to take care of the kitchen garden and flowers plants. Once we all together had gone on a holiday for a fortnight. When we came back, we found all plants were dying due to lack of water. Even many of them had died already that triggered my mind to find a solution like automated irrigation system. The system should work even in absence of caretakers.

My inspiration in life

My dad.

My future plans

To bring innovate ideas and developing my own entrepreneurship.

My aspiration

By providing unique and sustainable solution to the problems of the human kind.

PRANJAL AGARWAL

AMITY INTERNATIONAL
SCHOOL GHAZIABAD

CLASS : 9



A bit about me :

My hobbies are entrepreneurship, astronomy, reading books, public speaking, cricket and chess.

About my India@75 Youth Ideathon idea

My idea, Medicinator, is a machine which provides contactless, authentic medicines 24*7, while also preventing black marketing and hoarding, using modern technology.

How I got the idea and progress so far

I always had a fascination in ATM machines, but, then came the COVID pandemic and there was such a shortage of medicines, from there I connected the dots and from there came the idea of "Medicinator"!

My inspiration in life

My inspiration is my parents, who have always motivated me, to try new things and new arenas!

My future plans

My future plans is to implement this idea, to help the society, and make this idea an idea 'Jo Badal De Bharat'!

My aspiration

We provide contactless and sanitized medicines, to curb COVID-19, while also removing years old problems of black marketing and hoarding, we also generate huge amount for employment by this project. It also solves problem like authenticity and 24*7 availability!

PRATUL GUPTA

AMITY INTERNATIONAL
SCHOOL GHAZIABAD

CLASS : 8



A bit about me :

My name is Pratul Gupta and I study in class 10 in Amity International School, Saket. I like robotics and mechanics and always try to find ways to make this world a better place to live. I love to discover and learn new things.

About my India@75 Youth Ideathon idea

My project, Smart Bumper, is a device sold in the form of a kit that helps prevent road accidents and head-on collisions by helping the driver to stop in time.

How I got the idea and progress so far

I got this idea from the parking sensors installed in luxurious cars. The very same technology that is used to help align the car during parking can also be used to prevent accidents. So far, I have 3D designed the system including the mechanical aspect and made a simple algorithm for the system to function.

My inspiration in life

My inspiration would definitely be the great inventor Nikola Tesla, who despite being poor still strived to bring about wireless electricity across the globe.

My future plans

My plan for the future is to pursue my love for mechanics and robotics through engineering and possibly become an entrepreneur.

My aspiration

I want to impact society by both inventing new technologies and introducing them into the market for everyone to use and improve the quality of their lives.

PRATYAKSHA SHARMA

ITL PUBLIC SCHOOL
DWARKA, NEW DELHI

CLASS : 10



A bit about me :

I love to gain knowledge and experience a variety of things. I have been crazy about reading current affairs, it just makes one more aware. Apart from that I am a polygot and a national level chess player, can play the guitar and dance. I enjoy experiencing new events and exploring beyond my horizons! I am also a current affairs enthusiast. Playing the guitar, dancing and learning new languages are some of my favourite past times. I have been a national level chess player, a debater and have done quite a few MUNs.

About my India@75 Youth Ideathon idea

ECO-SCORE: Eco-score is something that comes to the rescue of our dying Earth. It's a value between 100 and 600 which would assess and incentivize a person on the basis of their individual impact. Not only would it encourage people to switch to green consumerism but would also aid the achievement of SDG-12 and AtmaNirbhar Bharat.

How I got the idea and progress so far

This idea popped up in my head around June of 2021 while working on a research paper about Responsible Consumption and Production, I wanted to find a solution that would impact consumerism on the grass root level, inspiration of which I got from CIBIL/credit score of the financial system.

My inspiration in life

Shri Narendra Modi, Prime Minister of India and Tsai Ing-wen

My future plans

I want to positively impact the world socially, politically, economically and

environmentally! I aspire to be at World Bank or IMF and further serve India as a Civil Servant.

My aspiration

The challenges we face today and will face in future mainly arise from within ourselves and it is us who will have to change for good. Not only do I try to constantly find solutions to the problems our world and society face but also try to make small changes in life which matter to a great extent.

RAJ CHOURASIA

**SR Public Senior
Secondary School Kota**

CLASS : 8



A bit about me :

My hobbies are painting, cricket and reading facts.

About my India@75 Youth Ideathon idea

My idea is AI Agrobot. It helps to farmers for cutting of crops, digging the soil and supply of water.

How I got the idea and progress so far

My home town is up when one year before going I see so many difficulty faces to do like sowing seeds, supply water dispersal of seeds. When I see and think why will make a Agrobot that helps farmers for growing crops.

My inspiration in life

My inspiration is my friend and teachers.

My future plans

My future plans to develop my product and manufacturing it.

My aspiration

Society depends on people when people think right then society automatically becomes in a positive manner. When a person see the product and use them then he give the feedback.

RAMASUBRAMANIAM SELVAKUMAR

Karthigeyan Matriculation
HigherSecondary School, Chennai

CLASS : 12



A bit about me :

I love to be an entrepreneur and I also like to be a cloud developer. My hobbies include Learn programming languages, hearing podcasts, watching motivational lectures, and mentoring youngsters

About my India@75 Youth Ideathon idea

My project "SWASTH WORKS" is born to make our and our surroundings healthy and clean. It is a "ONE ROOF" volunteer based application. By using SWASTH WORKS we can include all the volunteers under one roof and also collaborate with corporations. We can overcome this issue with constant hard work to upgrade INDIA to a disease free nation.

How I got the idea and progress so far

Just like a lightning, suddenly SWASTH WORKS idea struck my mind while researching how to make India as a disease free nation.

My inspiration in life

Monkey D. Luffy (it is a fictional character in anime) he is an example for all humans to lead their life.

My future plans

I would like to plant more trees, I would work more on my ideas and participate in Youth Ideathon every year because it had been a really interesting and informative journey.

My aspiration

My career is a twin way career, with favourite side being entrepreneurship and the loved side being cloud developer.

RASHI GEHLOT

HAPPY HOURS School
JODHPUR

CLASS : 12



A bit about me :

I'm a humanities student. I love to read about and know about history of world and about their political struggle. To me it is very galvanizing to read about history and politics of world, the struggle and all those things.

I also love social media a lot I think it's a very influential place. You could do a lot through social media.

About my India@75 Youth Ideathon idea

My idea was to handle social media accountsites, let it be of a business men / women or entrepreneurs or influencers. Post about them about their stuffs promote them help them to me more influential.

How I got the idea and progress so far

I just saw my uncles business Instagram it was quite boring nothing was on it and I started posting (with his permission) and I asked my father to help his account as well and that how it started. Do I think of it as a permanent thing? Not really!

My inspiration in life

My father and my uncle.

My future plans

Right now study and get good scores.

My aspiration

Those who breaks rules are trash but those who abandoned their friends and family are worse than trash.

RISHIT AGRAWAL

G.D. Goenka International
School Surat

CLASS : 12



A bit about me :

I love to be an entrepreneur and I also like to be a cloud developer.

My hobbies include learn programming languages, hearing podcasts, watching motivational lectures, and mentoring youngsters.

About my India@75 Youth Ideathon idea

Smart Ambulance Management System integrated with Traffic Management.

How I got the idea and progress so far

I was walking down a street, wherein there was a lot of traffic. An ambulance was passing by, which was stuck due to traffic. The ambulance wasn't able to make its move due to the heavy traffic. Alas, the patient died.

Next day, I was thinking about the incident and I came up with this idea. I have completed the working model and am working some progress towards the working prototype.

My inspiration in life

I'm inspired by a numerous people like Sharad Vivek Sagar (Founder and CEO of Dexterity Global), my father, Mukesh Ambani (Reliance Industries) and a lot more.

My future plans

I will approach the government of different countries for the idea.

My aspiration

I commit myself to grow India in all the ways possible.

RITIK BHAT

ARMY PUBLIC SCHOOL
DAMANA

CLASS : 12



A bit about me :

I am 17, studying sciences and I like to play a lot of video games as I'm really good at them. I am tech savvy (literally an encyclopaedia inside me on tech stuff), a car enthusiast and a part time video editor.

My best traits would be being a good leader, a critical thinker and a good persuader.

About my India@75 Youth Ideathon idea

Nowadays every multinational company every innovator and every creator is trying to make their appliance smart but my project replaces normal switch boards at our homes and converts normal appliance to a smart appliance which can be controlled by an app on any device. Any appliance connected to it can be smart. all these smart appliances like smart AC, smart refrigerator. Currently available solutions are very costly and their installation cost is very high. in addition to that, the old appliances are disowned which adds more and more e-waste in our homes. Therefore, I thought of a way that can do the same work like home automation to control old and normal appliances but in a cheap rate and reduces e-waste. This is an intelligent controller that performs all these tasks in budget of less than a 1000/-. It also helps old aged and disabled people to easily control appliances at their own will.

How I got the idea and progress so far

I got the idea on my own, and built on my own with the help of my school. I have made one for myself and one for the school so far and results were amazing.

My inspiration in life

Sonny Moore aka Skrillex, is a EDM and Dubstep music producer. I like EDM and he is known as one the founders of EDM. But apart from his music what he really

teaches me is to do your own thing. Doing what you really like and make a career out of it is the best feeling because unless you are not having fun while doing your job its not a job its forced labour. No matter what "society" say, just do your own thing and don't be forced to do something as you will never be productive that way.

My future plans

I have two dreams, one for myself and one for my family. My family wants me to be a doctor or an engineer but I really want is to be a content creator, create my own brand represent myself and be self-employed. I want to create a impact in social media by my talents and ideas. So, I'm currently thinking my way to tackle both so that everyone will be happy.

My aspiration

Giving out something in very cheap is the most impactful way to reach society. Having the idea of something big and being provided cheap is really helpful and grabs a lot of attention.

RIYANA SONALI PINTO

Bantwal Raghuram Mukunda Prabhu
Centenary Public School Vidyagiri, Bantwal

CLASS : 9



A bit about me :

I dream to help people through different means maybe physically or mentally. I want to become an IAS officer in future so that I can take care of humans and their rights where there is no inequalities on basis of gender, caste, social and economic status.

About my India@75 Youth Ideathon idea

My Idea which I submitted to India@75 Youth Ideathon 2021 is 'Caretaker Walking Stick' which is closely related to my aims. It is basically a stick which detects the presence of water on the floor and thus can avoid accidents which occur due to slipping. There are many people all over the world who lose their whole life by just a little amount of water on the floor and my walking stick can save thousands of such lives and can contribute in some amount towards higher life expectancy.

How I got the idea and progress so far

This idea of walking stick is emotionally related to me. One day my grandmother slipped and fell because she couldn't identify the presence of water on the floor as result she got some lifetime injuries like her both the shoulders lost the capability they had before This is how I got my idea of care taker walking stick.

My inspiration in life

Everyone who come across me inspires me in one or the other way for example

- My mother inspires me to be patient

- My father inspires me to learn more

- A hawker passing by inspires me to maintain self-respect when she/ he sell whatever they make instead of begging.

My friends inspires me to live the life to the fullest.

My future plans

I want to become an IAS officer cum women's right activists and through my job I want to help women to move forward in a path of equality.

My aspiration

I want to develop our country, I don't want to stop until each and every citizen of India are literate. Literacy is the best way to throw off inequality norms. By being an IAS through my power I want to make this dream possible.

ROHIT PARIHAR

AUGIC AMSYARI GARUR
BAGESHWAR

CLASS : 10



A bit about me :

I am from Uttarakhand and I like solve problems in our societies and I want to become businessman like Mukesh Ambani, Jeff Bezos, Warren Buffett Ratan Tata and my inspiration is Dr APJ Abdul Kalam.

I want some support for my creativity and in future I won't give something to this country e in the sector of Science and Technology business so I like making innovations.

I am from rural area, so anybody cannot give me any type of support but Youth Ideathon and some other science exhibition give me a platform for show my talent. Thanks so much Youth Ideathon for give me this opportunity. I want to meet the ISRO scientist Dr K. Sivan and our Hon'ble PMSir. Thanks so much youth Ideathon.

About my India@75 Youth Ideathon idea

My innovation is a biodegradable plastic it helps toall over the world for protect our environment. I have lot of Ideas just like Smart Water Tank, safety lipstick for women, forest fire controller, safety gloves for women, Milk ATM and lot of innovations / prototypes.

How I got the idea and progress so far

I got these types of ideas from my society's problem and I pick any type of problem and thought the solution of problems and I like solve problems.

My inspiration in life

My inspirations areDr APJ Abdul Kalam, Elon Musk, Mukesh Ambani and every person who give me any type of knowledge.

My future plans

My future plans are start my own business and give something to my country to my society.

My aspiration

Only from learn interesting about science and technology.

RUHAANI BARUA

Pathseekers School
Beas

CLASS : 8



A bit about me :

I grew up in Delhi and lived there most of my life before moving to Punjab. I speak English, Hindi, Punjabi and understand Bengali a bit. I love reading books, listening music and working on science projects. I've always aspired to become an astronomer.

About my India@75 Youth Ideathon idea

My idea is on "Desert Cooler: "A Fertile Ground for Horticulture". Almost every family in India and world-wide uses desert cooler. While enjoying cool breeze of desert coolers, people can grow vegetables in them at the same time. In winter, when their coolers are kept idle, they can even grow mushrooms in them.

How I got the idea and progress so far

At the time of lock down amidst COVID-19 in 2020, many people found difficulty in buying vegetables from market for many reasons: may be due to financial crunch or fear of going out of home. This is the time when I thought about an idea to grow crops nowhere but at our home - in desert cooler. This is a modified method of Hydroponics. I have tried this on my house cooler. I able to grow cherry tomatoes sucessfully over it and have already started promoting the idea to many people.

My inspiration in life

I am inspired by "Swastha Bharat", "Made in India" and "Atmanirbhar Bharat" missions. My father who is also a Physics teacher have supported and inspired me a lot too.

My future plans

My future plan is to look for a promoter who can develop my this idea further and

bring it in the international and local markets for the use of masses.

My aspiration

On the same line of “MERA IDEA JO BADAL DE BHARAT”, I want to be a part of India's growing community of innovators. Through my work I want to impact on society that a simple idea can make life easier.

SAKSHI BHAWSAR

KENDRIYA VIDYALAYA
KHARGONE

CLASS : 11



A bit about me :

I'm Interested in everything there's so much to learn and a single life is not enough for it so I try to make best out of it and mostly I'm curious about things like our universe! our nature! Our Oceans, the activities inside our brain, consciousness and subconsciousness, the existence of humans and basically everything.

I have many hobbies, I sometimes write poems and stories, I also like to listen to music(classical, jazz, indie, pop, lo-fy, and every kind of music). I like to think and I also like to learn new things, when it comes to my favourite subject it is science! and mathematics, even though I am not really good, however, these are both amazing subjects. I think, I am a philosopher. I like to watch sci-fi, adventure and horror movies too.

About my India@75 Youth Ideathon idea

It is an App called Innova app which is a network of people who wants to learn, innovate, and help others. On this platform people can share their idea with the world, they can learn many skills for free like coding, designing etc. This app will help the small start-ups to gain exposure from the world and bigger companies and will provide better products in market which will solve problems, this app will also provide employment and many more.

How I got the idea and progress so far

The app is in development stage.

My inspiration in life

I have many people as my inspiration. I consider each person who has given even a bit of their participation in development of science so far because science not

something a single person has invented or discovered at once, its a process which evolves with time and efforts of people so it will be injustice if I credit a single person for it that's why I consider all of those people as my inspiration, But when I look at my future self and see how I'm going to be I'll be taking some essence of my future personality from Taylor Swift she's a bold artist, Nicola Tesla a talented person filled with mystery and many others.

My future plans

I want to be an entrepreneur, musician, author, innovator, professor, astronomer, mathematician, white hate hacker, neuroscientist, baker and many more.

My aspiration

In any way possible, build my dream project.

SAMRRIDH KHANNA

MAYOOR SCHOOL
NOIDA

CLASS : 9



A bit about me :

I like to solve scientific problems with an easy and practical approach. I also like to watch You Tube in my free time because you get a lot of extra knowledge apart from your school and curriculum books.

About my India@75 Youth Ideathon idea

So, every year 14 billion pencils are made and the avg. height of a pencil is around 18-21cm. And we don't use the pencil when the height shortens, But if we implement my idea, the pencil would be saving graphite in tons, which indirectly would be saving a lot of manpower(used in mining graphite), diesel used for transportation (and other transportation costs), manufacturing cost, electricity, storage cost; decreasing the overall price of the product for the manufacturer as well as the consumer. With this method every 3 pencils 1 pencil would be a kind of a bonus. And we can use the saved graphite somewhere else like in electronic equipment. Also 14 billion trees would be planted(if every pencil is sown).

How I got the idea and progress so far

When in school, I was going to throw the unusable shortened pencil in dustbin one of my friend also came to throw his pencil, and then I noticed that by combining the two wasted pencils we can make a half-pencil because the graphite is still present in that pencil!.

My inspiration in life

I admire Ratan Tata, As I am really inspired by the business company 'TATA' run by him . I too want to do something which helps grows human civilization in a constructive manner.

My future plans

In future, I would definitely like to make this idea and many other such ideas into a fully-developed product which would make customers happy and solve the problems with current technology. I also want to make earth more greener and healthy with each product!

My aspiration

By creating products that are helpful to us as well as the earth and fixing the flaws in modern conveniences.

SANVI MOHAPATRA

AMITY INTERNATIONAL SCHOOL
SEC 43, GURUGRAM

CLASS : 8



A bit about me :

My hobbies are: playing keyboards, badminton, coding and reading about new technologies.

About my India@75 Youth Ideathon idea

'Smart Village', my conceptual project is based on digitization of our rural India, primarily to protect crops from Rain, Conserve electricity, Availability of Soil humidity, Atmosphere temperature and moisture all handily available at various platform like SMS, Instant Messaging, LCD, Period Graphs for trend analysis by various government department to take appropriate proactive measure while protecting individuals privacy of data. This project is highly customizable meeting various State and Central government policies.

How I got the idea and progress so far

We are all connected to Soil and Rural India in one way or the other, and looking into the pain of our Farmers and Villagers I thought of getting IoT into our Rural India. Prototype model is already ready, now it is time to start implementing in Village.

My inspiration in life

Our honourable Prime minister Shri Narendra Modi Ji's mission and vision of Digital India and AtmaNirbhar Bharat Abhiyan.

My future plans

Implementation of IoT and M2M technology in rural India.

My aspiration

To see our Rural India get my solution that shall help in resolving their problems and increasing productivity at the same time make our Village empowered with latest technology.

SANYA THAKUR

DELHI PUBLIC SCHOOL
ROPAR

CLASS : 11



A bit about me :

I like to play chess and I have also won prizes in chess tournaments. My hobbies are cooking and singing. I like to watch movies.

About my India@75 Youth Ideathon idea

My idea is about getting an app developed for women safety. The app would contain a GPS system installed within which can show us the safest area according to the statistics and it can also track our location. It would contain an emergency button which would connect our call with the local police station on clicking at the button in case of emergency.

How I got the idea and progress so far

I was surfing the internet about social problems in India that need our attention and came across the problem of women safety and I wanted to address this issue in order to make the environment safer for women.

My inspiration in life

APJ Abdul Kalam.

My future plans

I want to be an entrepreneur in future.

My aspiration

Besides being an entrepreneur, I would consider helping the society to improve by investing in social projects or ventures. I would contribute a part of my earnings in social service programmes run by NGOs and Government.

SAURAV KUMAR SHARMA

A.D.L.S SUNSHINE SCHOOL
JAMSHEDPUR

CLASS : 9



A bit about me :

Academically I have an area of interest in the field of technology ,like computer science. But other than that I used to play guitar, I love cooking food and I also bake cakes for sometimes and the cake is as real as bakery.

About my India@75 Youth Ideathon idea

My idea was to help average students or below to provide them a right guidance and experienced strategies by the India's brightest minds i.e toppers of that respective class .. and other thing is in this the students who are counselling i.e mentors will be paid , so they can fulfill their own needs at very early age.

How I got the idea and progress so far

I got this idea when I was struggling for right tips for studies and was thinking that, how do toppers Study ?? How they manage time?? Till now it is idea only, I haven't made an app because I don't know coding , I am a beginner coder.

My inspiration in life

My real inspiration is the students itself who perform very well in academic as well as socially. And students who have succeeded by their own hardwork and dedication... From them only I inspires and think to achieve something big in my life.

My future plans

My future plans is to clear my 12 boards and go for higher education in the field of computer science CS and will decide later what to become.

My aspiration

One of the things I wanted to do is to help people and volunteer.

SHALABH GOEL

ROCKWOODS HIGH SCHOOL
UDAIPUR

CLASS : 10



A bit about me :

My hobbies include playing badminton and table tennis. I am interested in finding the solutions for existing problems for better and safe lifestyle.

About my India@75 Youth Ideathon idea

My idea aims on solving the problem of safety of women and old people in the wake of danger from trespassers by a smart rechargeable torch with a inbuilt siren and pepper powder spray along with the facility of message and location of the affected person to the family members.

How I got the idea and progress so far

I got this idea after going through many incidents of women insecurity in the daily newspapers and magazines. So far I fabricated a smart rechargeable torch with a inbuilt siren and pepper powder spray. Further, addition of the facility of sending message and finding location of the affected person to the family members, was done.

My inspiration in life

My inspiration is my parents who always motivate me to innovate for helping and betterment of the society through technology intervention.

My future plans

To add more safety features like electric shock and make it cost effective to masses so that all features of security are available in compact and single device only unlike available in the market.

My aspiration

I want to impact the society in a positive manner by innovating products for ensuring safety and better life of society at reasonable price.

SHIVANSH SHALABH

DELHI PUBLIC SCHOOL
RUBY PARK, KOLKATA

CLASS : 11



A bit about me :

I am a budding entrepreneur who enjoys coding, problem-solving, listening to music and writing poems. I love creating tech-solution to real life problems and participating in hackathons. I am a full stack web developer and also enjoy competitive programming.

About my India@75 Youth Ideathon idea

My idea was of a hand to help the environment and prevent it from degradation, we can plant as many trees as we can, clean rivers and help animals and protect them.

How I got the idea and progress so far

I submitted my idea of Jagriti App to India@75 Youth Ideathon 2021. Jagriti App is a web-app wherein needy can register and this app can help them by educating them about the government policies so that they can get the possible support from these schemes and help themselves to grow. This app has a system wherein the registered user can learn about the government schemes or a new vocational skill and then participate in a quiz through which he/she can earn reward points. These rewards can then be redeemed to get donations which include daily essentials, books, clothes books etc. These items will mostly be the donated new/ reusable items thus solving the problem of resource wastage.

My inspiration in life

My inspiration is Dr. A. P. J. Abdul Kalam because he was devoted to the citizen of this country, especially youth, and also to mankind throughout his life. He didn't patent many of his inventions like Kalam-Raju Stent (low-cost Coronary Stent) because he valued the well-being of people, not the money he makes out of it.

My future plans

I am an aspiring social-tech entrepreneur and I am planning to launch my first startup next year. I am planning to start working from the grassroot level with the underprivileged in our country and equip them with required skill and opportunities which will not only improve the living standards of people but will also help in our countries overall development.

My aspiration

I want to impact society in a way that not only adds values to people's life but also transforms them. My aim is not only to reach out to thousands of people and impact their life but I am passionate about transforming the lives of people, especially the middle-class and underprivileged people.

SHRAVANII SANIL

INDIAN SCHOOL RAK
RAS AL KHAIMAH

CLASS : 8



A bit about me :

Mainly my ambition is to become an entrepreneur. My main hobbies are reading books and researching about some extraordinary things.

About my India@75 Youth Ideathon idea

my idea is about mask for allergic peoples. This idea is cure acnes, pimples, scars which are accumulated on our face due to long period of wearing surgical mask so to cure that I am trying to invent my own cotton surgical mask.

How I got the idea and progress so far

Mainly I got this idea by peoples who are suffering from this problem lime from hospital fields because as they are supposed to wear the surgical mask for so long time . and for my idea I am still trying to research more about it.

My inspiration in life

My mother.

My future plans

Especially my future plan is to be in an entrepreneur do invent some product which are really useful for the world.

My aspiration

I should make aware the society of the good and bad effects and how useful it is to them and what changes would make in their life thus I can give a positive impact in the society.

SHRISTI SAINANI

**KUNDAN VIDYA MANDIR
LUDHIANA**

CLASS : 7



A bit about me :

My area of interest is acting. My hobbies are dancing, singing, exploring things, reading about history and different cultures, nature lover.

I aspire to be one of those personalities who contributes in order to bring a major change while promoting to wellbeing of all organisms.

About my India@75 Youth Ideathon idea

One of my idea was to save the environment by using 3R's i.e Reduce, Recycle & Reward. As plastic is the main concern for harm to environment. We can reduce it from the toiletry products such as plastic shampoo bottles, cosmetic items etc and it will also benefit the manufacturer; the cost is reduced for the bottles. We can tell the customers to return after use and then reward them some discounts.

How I got the idea and progress so far

I got this idea just by thinking how can I reduce the use of plastic in such a way it helps in business.

My inspiration in life

Priyanka Chopra, BTS.

My future plans

I want to pursue my career in acting and serving environment.

My aspiration

Reduce air, water, land pollution. Thereby contribute towards better air quality. Reduce the environmental disturbance and promoting better living in humans and helping serve environment.

SHUBHI SINGH

DELHI PUBLIC SCHOOL
PRAYAGRAJ

CLASS : 9



A bit about me :

I am crazy for Life Science having hobbies of Classical Dancing and reading good books.

About my India@75 Youth Ideathon idea

Creating a network of Community Happiness Stops with the help of students, retired service personnels and interested social activists for awareness and support in availing basic amenities viz. Health and Hygiene, Primary Education and Employment through different Government programs to upgrade living standards of common people at ground level.

How I got the idea and progress so far

I personally seen and experienced that different Government programs are not practically implemented at ground level due to so many lacunas viz. unawareness, Illiteracy and unskilled people. I started awaring people about importance of basic health hygiene, cleanliness, nutrition, primary education and different other government programs for providing basic amenities including skill india program.

My inspiration in life

My Parents who are social workers working for basic health and education.

My future plans

To be a great Doctor and Social Activist.

My aspiration

Working at ground level for common people with all empathies.

SIDDHARTH KUMAR GOPAL

**St.Thomas Residential School
Thiruvananthapuram**

CLASS : 8



A bit about me :

My hobbies include reading and listening to music. I am interested in finance, specifically investment banking. I love creating scientific solutions to real-world problems. I also enjoy participating in quizzes and debates.

I am also a recipient of the Pradhan Mantri Bal Shakti Puraskar 2020, the highest civilian award for children between the age of 6 and 18.

A key high point in my life was when I could meet the Hon' Prime Minister Shri Narendra Modi in person and receive an autographed watch from him.

About my India@75 Youth Ideathon idea

The idea is to have a network of Plastic ATMs where people can deposit their plastic waste, collect points and redeem them for rewards. Users will be given plastic bank accounts authenticated using biometrics. Every time they deposit plastics, they get a certain number of points depending on the weight and grade of the plastics. These reward points may be claimed for books, toys, food packets or even cash and will be sponsored by the CSR budget of companies. They may also choose to donate their reward points to NGOs. I am also planning to make a companion app so that they can order gifts (with the help of the reward points) that cannot be stored in the Plastic ATM with the help of their reward points. A reverse logistics chain will be established to transport the collected plastic waste to upcycling units where they will be converted to useful products.

How I got the idea and progress so far

The spark of this idea came to me during the Kerala flood of 2018, when the media was filled with images of plastic waste being dumped back into the roads by the flooding rivers. I started thinking about why this was happening, and I realised

that the root cause of the problem was the careless dumping of plastic waste on road sides and water bodies. At the time of dumping the waste, nobody thinks of all the ill effects of plastic waste that ends up in our water bodies. The concepts of plastic in the oceans affecting aquatic plants and animals and ultimately humans, through the process of biomagnification, is too abstract for people to take positive action towards responsible plastic waste disposal. So I started thinking of a better way to motivate people to dispose off plastic more responsibly, and thus was born the idea of a Plastic ATM which rewards people for responsible disposal of plastic waste and also reduces the use of virgin plastic, by recycling it. I have developed the business plan, done a feasibility study and also identified a few partners and initial clients for my idea. I am currently building a low cost prototype to test the waters, and I hope to get sponsorship from incubator cells to help me build the final product.

My inspiration in life

My inspiration is Elon Musk because of how he focuses on solving long term problems for humanity without keeping short term profits as his motive. His out of box thinking, hard work and entrepreneurial spirit are some of the characters that I would love to imbibe in my life.

My future plans

In the future I hope that my plastic ATM network will be available in every district of India at multiple locations which are easily accessible by people. When anyone has a waste bottle or a plastic cover which they want to throw away they should be able to find my ATM at walking distance from where they are.

My aspiration

I dream of an equitable society where every one has equal access to all opportunities, without having to rely on the 'lottery of birth'. Towards this end, I will be giving a provision for people to donate their plastic points for charity, if they wish to. I also hope that with my scientific temperament I will be able to find solutions that are cost effective and helpful to all sections of society to improve their quality of life.

SPARSH

**RADIANT INTERNATIONAL
SCHOOL PATNA**

CLASS : 12



A bit about me :

I am a passionate student innovator/developer, with proven technical and organizational skills. I like to develop games, 3D Model, and try to innovate new solutions to make an impact in the society using IoT technologies, Web Automation and AI.

About my India@75 Youth Ideathon idea

Today, the world still heavily relies on fossil fuels and even continues subsidizing them. Meanwhile, the pollution they cause – from climate-damaging greenhouse gases to health-endangering particles – has reached record levels. The land requirement for installing renewable energy power generation like thermal, solar, and wind farms is enormous, and for a large power facility, the condition is much more significant. In many countries like Japan, Singapore, and India, the land resource is scarce, and a premium cost is attached for even a tiny piece of land. To solve the renewable energy dilemma, I propose a device that efficiently converts thermal energy from the Sun into electrical energy using a complex mechanical system to generate electricity up to 10 kWh per day while still keeping a small form factor. It has a modular design and can easily be connected with similar modules to create an array for supplying power to utility and an off-grid facility.

How I got the idea and progress so far

I was encouraged by the idea of upcoming renewable technologies, and I wanted to develop and research on the same. The present technologies use inefficient methods to generate heat from solar-thermal energy. They have to use large spaces of land to build up a solar-thermal factory and use the concentrated heat to boil up water, creating steam and rotating the turbine. Still, a large amount of energy is lost in the conversion process. So, after a long ideation process, I came up with a design called The Thermal Floater.

My inspiration in life

My inspiration is James Dyson as he proves to be a great example of learning from failure and standing up in a world of expensive less reliable products.

My future plans

I want to improve my designs to achieve maximum efficiency. If the model is made into a hexagonal shape, it will have a larger surface area while still having a modular design. Improvements can also be caused by adding heat retention materials like sedimentary sand or molten salt at the focus of the convex lens and by implementing a hemispherical Fresnel lens which will remove the need for the concave mirror and will make the design even cheaper. I also want to fabricate my prototype so that I can present it to investors for funding.

My aspiration

My company, Incy Tech aims to reduce carbon footprint and pollutions using low-cost innovative solutions to make an impact in the society. By being cost friendly, it will allow us a large userbase, which further implies that it will reduce pollution and have a positive impact on the human health and the environment.

SURAGA DEVRAJ

VIDYA MANDIR PU COLLEGE
BENGALURU

CLASS : 12



A bit about me :

I'm a euphoric person. I'm interested in many things and subjects like mathematics, computing, physics, astronomy, AI&ML, AR&MR etc. I find reading topic books of my interest. I also find participating in contests like youth Ideathon as a hobby.

About my India@75 Youth Ideathon idea

DeSight- An idea of hearing through eyes, in which people who are hearing impaired can read the words spoken by other people on a special eye wear which will caption display the words spoken by others on the display screen using voice to text conversion technology.

How I got the idea and progress so far

My phone speakers were damaged due to some reason and not working and at that time I had to watch a show , subtitles/captions helped me understand the whole show without mattering the sound ,that was my Eureka moment and thought of implementing this idea to people suffering with hearing disabilities.

My inspiration in life

I don't find any inspiration from a particular person or public figure, the natural situations which occurs in our daily lives inspires me more.

My future plans

I will make my further future in the field of Augmented reality and Mixed reality which also has a direct touch with DeSight project.

My aspiration

I want to impact the society by bringing my ideas into life.

SURBHI BANTIA

JAIN GLOBAL SCHOOL
BENGALURU

CLASS : 9



A bit about me :

I like dance and also I love playing with pets.

About my India@75 Youth Ideathon idea

So my idea was about the LGBTQ society. The LGBTQ society has received all the rights of freedom by our government and we Indians are not ready to accept them just because of the way they look and also they are homophobes. So I really want to change the thinking each and every citizen of India.

How I got the idea and progress so far

Now a days to be honest, I am on social media for entertainment but it doesn't mean that I always use it just for the sake of fun. I get a lot of information from social media applications and also daily news. So one out of them was about this LGBTQ rights and I felt that their rights and advantages also matters.

My inspiration in life

My inspiration is Harry Styles. He is a Hollywood singer but also a huge fan and follower of the LGBTQ.

My future plans

My future plan is to become an interior designer. However, I'll still be an ally and support them and insist people to change their thinking and thoughts and learn about the homophobes.

My aspiration

I want to spread awareness through social media and people who have no access to social media, for them I would like to spread the news through newspapers.

THUMMALASETTY SAHASYA VASISHT

**Meridian School
Kukatpally**

CLASS : 6



A bit about me :

My hobbies are chess, cricket which I learn them professionally.

I used to learn cricket but I stopped due to the pandemic, but I am continuing to learn chess. I also have an idea which is an app called NBE – Non-Biodegradable Exchange. On the app, when you call us we get our truck which collects materials like tins, iron, steel, plastic, books and cloths in return for new toys, books, money or shopping vouchers.

But this is just an idea and me and my uncle are planning to build this up.

About my India@75 Youth Ideathon idea

Our Slogan - Save Animals, Save Life.

This means Animals Plants and Humans are needed to maintain balance in nature. Animal Welfare Society is a club created by the students of Meridian School Kukatpally. But is it not related to Meridian School. This club is established on 7 September 2021. This club's main ambition is to improve the status of animals throughout the world.

How I got the idea and progress so far

I have got this idea by research online. We have an official website, slogan 65 members, logo and a lot of awards and 10,000 rupees cash in hand.

My inspiration in life

In I.P.S-My Grandfather Vikram

In Chess- Vishwanathan Anand and Sultan Khan

In Cricket-Shane Warne and Sachin Tendulkar

My future plans

To improve the society by spreading this message

My aspiration

To help plants and animals.

VAANSH KUMAR

SPRINGDALES PUSA ROAD
NEW DELHI

CLASS : 11



A bit about me :

I really like to innovate things . I like to be a leader and hoping to start my own startup really soon.

About my India@75 Youth Ideathon idea

My idea was to come up with a blockchain based platform .like meta but in blockchain network.

How I got the idea and progress so far

I got this idea from recent boom in crypto space all over the world . I have been learning blockchain through online courses and asking help from developers.

My inspiration in life

Elon Musk, Gary V.

My future plans

To come up with my start-up.

My aspiration

This will prevent DATA theft pls the better privacy of users.

VASU SINGH

**MOUNT ABU PUBLIC
SCHOOL NEW DELHI**

CLASS : 10



A bit about me :

I am interested in science and technology. My hobbies are tinkering new things and playing football.

About my India@75 Youth Ideathon idea

My idea was to create a smart blind stick which would help the specially able blind people to overcome their daily life challenges and start living a better life.

How I got the idea and progress so far

I got this idea while I saw a blind person at the metro station facing difficulties in moving around. At that moment, I thought, I must do something. So far, I have created a working of the smart blind stick.

My inspiration in life

I am my own inspiration.

My future plans

My plan is to implement the idea and make my idea up to mark and I want to become an engineer as well as an entrepreneur.

My aspiration

I aspire to see needy people happy.

VEDANT HARLALKA

**St. Mary's High School ICSE
Mumbai**

CLASS : 10



A bit about me :

An Innovator and change maker by passion and Grade 10 student by profession, I have attained breakthroughs in fields of 3D printing and IOT projects while developing a pragmatic skill set.

Having been featured in 15+ newspapers, magazines and talk shows at the age of 15, I envision myself as a mechatronics engineer creating discoveries in the field of IOT while using my expertise to give back to society. I have:

- 1)Invented a 3D printer under \$100(featured in 8+ newspapers)
- 2)Invented an automatic hand sanitizer dispenser at low cost(featured in Hindustan times)
- 3)Ifortis Worldwide “young scientist challenge ” – Winner

About my India@75 Youth Ideathon idea

Vision Wand is a device which aims at helping the blind detect obstacles and navigate around the hostile city Landscape. It is priced aggressively at Rs. 950 and will give users a 10x better sense of their surroundings. It has a potential user base of 49.1 million people as it is affordable by everyone. Phase 2 of the project involves using a raspberry Pi and AI algorithm with the OPENCV library. It will smartly detect different objects around and notify the user accordingly. It can also help read text!

How I got the idea and progress so far

I have made a fully functional prototype of my product and interviewed a blind person on the challenges they face and the practicality of my product. Along with this, I conducted an extensive market research!

My inspiration in life

My inspiration from childhood is Dr APJ Abdul Kalam, because he has had one of the biggest hands in India in developing Science and Technology, and if you see the ways in which he has interacted with students at engineering colleges, the way he has encouraged them is truly inspiring.

My future plans

Regarding my future plans, I aim to get into a good Engineering College and pursue either Computer Science and Engineering or Mechatronics so hopefully that works out well.

My aspiration

One thing I would like to change about society is the mentality that a child is too young to pursue their passion, and that only school should be their haunt. It is outdated, and the young should be encouraged to blend into the professional environment.

VINAYAK KHASU

**NIRMAL BHARTIA SCHOOL
NEW DELHI**

CLASS : 8



A bit about me :

My area of Interest is Researching on Tech Topics and Playing Cricket.

About my India@75 Youth Ideathon idea

My Idea Name is Donate Halla Which is a one-stop donation platform that connects you with the needy and provides you with a hassle-free and transparent way to contribute towards a better cause. You can donate your working phone or laptop which is not of your use, and we will send it forward for a good cause, to those who are in need of devices for educational purposes. We will do the packaging and shipping as well as provide you with all the details including the name and location of the receiver as well as photographic evidence of us reaching out to them!

How I got the idea and progress so far

I got this idea by seeing the condition of maid and other helpers who wanted a gadget for their children education.

My inspiration in life

My Inspiration is PM Narendra Modi.

My future plans

My Future plans are to take my website to a Global Level.

My aspiration

I want to Create a Platform for People where they can Donate their old Gadgets which has never happen before.

VISHAL SAINI

Govt. Senior Secondary School
Loharu

CLASS : 9



A bit about me :

I am environmentalist by nature, designer by choice and creator by heart. I have designed and made hundreds of art and craft, mesmerizing and realistic painting, engrossed with the beauty of nature and fiction.

An artist had to transform himself into an innovator at the very young age of 10, designing and building artistic and beautiful solutions to real global issues to save Mother Earth.

About my India@75 Youth Ideathon idea

INSPIRINZA is an innovative ecosystem redefining the use of old used glass bottles from glass bins of our homes to our creative tech-enabled workspace, waste to traditional handicraft. We are designing creative, beautiful and unique handicraft glass bottles from old waste material solving environmental issues and saving Mother Earth.

How I got the idea and progress so far

An ordinary idea became my start-up idea when I started selling waste materials to scrap dealer at a very low price, when I saw used old wine bottles in his bag. That's when the idea of INSPIRIZA clicked into my head.

Currently, we have sold 40+ handicrafts across India with turnover of Rs.15000. Taking feedback from 100 Local people, we are developing a unique 3D platform application where you can design your own bottles using hundreds of tools present on that app. Your handicraft will reach to you in a special gift packing.

My inspiration in life

My Mother and Dr APJ Abdul Kalam.

My future plans

Hiring the best talented youth in small villages and towns and providing them with best opportunities to strengthen their earnings through traditional Indian craft. Designing the future business models to have maximum profit with which we can plant maximum trees, providing meals to poor people and maximum wages to talented artists.

We aspire to building a tech enabled workspace over 5 acres of land for our first establishment and roll-out INSPIRINZA app for providing maximum ease and benefits to users. We want to contribute 70% of our profit for social welfare, 10% for innovation, 15% as security for future and 5% for increasing the salary of workers.

My aspiration

Stop dumping of used glass bottles in dumping grounds that creates foul smells and soil degradation.