			Best 30 ideas selected under Children Innovation Festival organised by GUSEC and UNICEF			
Sr No	**Idea Name**	**Innovators Name**	**Brief of Idea**	**School Name**	**Std**	**City**
1	Automated Cardiopulmonary Resuscitation Device	Vidit Parikh	ACRD aims to design and implement an automated cardiopulmonary resuscitation device, which could become a critical life-saving equipment of the future.Through this project, we wish to initiate a breakthrough revolution in providing cardiac assistance in critical cases.	Anand Niketan Maninagar	9th	Ahmedabad
2	Automatic protection of farm	Harshkumar Panchal, Rafikmiya Qureshi	An automatic rotating device that rotates round all night continuously. By putting a chargeable battery, LED bulbs and sirens on the device, it will protect the farm from bugs, birds,pigs etc. as well as battery can be recharged from solar. In addition, creating a protection wall with laser light that can alert us immediately when an animal arrives.	Shree Saraswati Vidhyalaya, Ramas	10th	Nadiad
3	Biolungs	Snehrajsinh zala, Dev Kanabar, Devansh Badiyani	Biolungs is cheap portable recycled materials based biogas plant which give biogas at any time consumption space is less. No gas leakage, compacted model, whith spout and no rust. The product will be useful to farmers, labourers and gaushalas.	S N Kansagra School	12th	Rajkot
4	BPACPP: A Novel and Frugal alternative of paper	Saksham Solanki, Alok Aditya	All of you would have used paper in your life. Paper is a very important aspect of life; it is used for doing many things. But to make paper world's 35% of trees are cut every day which is peril for our mother earth. To overcome this problem, they have made an alternative to this which is called magic sheet or "THE PAPER". They have made this from so called banana peel and corn peel.	K.V Eme No.2	10th	Vadodara
5	Breeding plastic - eating microbes	Ishan Joshi	Breeding plastic - eating microbes: Ideonella sakaiensis in an enclosed space as a kind of recycle bin. Put plastic inside it and it will be eaten.	Zebar School For Children	9th	Ahmedabad
6	Compost Machine	Dhanesh Bhatia	Compost machine is converting biodegradable waste into compost. It will be common bin for society, flats etc. People should throw biodegradable waste into it. Compost machine will dry your waste up to a fix temperature. It has two parts one for storing waste another for storing processed waste. These machine will work by solar electricity. It will reduce amount of biowaste use as fertilizer.	I B Patel English School (Primary School)	9th	Anand
7	Connect Tech	Shyam Dhamsania, Devanshi Dhulia, Prerna Patel, Pavitra Parsana	Connect Tech is an app wherein, after a family member's death respective members of the family can get access to all of their financial and non-financial documents. In addition to it, they have also kept an audio-visual section in their app in which the person can record his feelings which he was not able to convey to his family members when he/she was alive. Our website : www.connecttech.co.in	S N Kansagra School	11th	Rajkot
8	Cycle Pump	Rahul Solanki, Ramjibhai Patel, Jayeshbhai Sindhav	Cycle Pump Bicycle, an innovative multipurpose, vehicle for sowing and spraying insecticides in farms. Farmers face physical challenges and also suffer from diseases due to regular exposure to chemicals. The device will make farmers life easier.	Shree Brahmanand Vidhyalaya - Dhangadhra	10th	Surendranagar

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9	Drishti	Arnav Chopra	Drishti is an online testing platform that will allow blind students to practice and prepare for government job exams. As of now, there is no mechanism or platform available for the blind people thus this will be a game changer towards empowering the community of blind people.	Ahmedabad International School	11th	Ahmedabad
10	Duottle	Saakshi Desai, Hiya Suba, Hiya Gaywala, Hinal	Duottle is a two way bottle which simplifies your problem of carrying multiple bottles and boxes. The bottle consist of two boxes for utilities and two insulated bottles.	S N Kansagra School	11th	Rajkot
11	Emergency Guidance and Notification System(EGNS)	Aabhas Senapati, Aadityaraj Mohta	EGND is a voice-based guidance system to help in case of an emergency what to do and also notify it to you immediately. When it detects an emergency case like fire, gas leakage, etc then it tells that what necessary action should be taken to tackle the situation and it sends notification on the phone and contact for nearest help.It also provides smart home features with voice control.	Zydus School For Excellence	10th	Ahmedabad
12	Gas filter	Heer mimish shah	Gas filter is a device that will trap and purify the gas released by the combustion of petrochemicals. There are two elements whose alloy will trap and purify the gas released by combustion of petrochemical because of their chemical composition. The machine would have sensor that would detect whether the machine is working properly or not.the machine would be small and can be used in all the automobile	Sheth C N English Medium	11th	Ahmedabad
13	Medicines made from cow byproducts	Harsh Sanghani, Jimit Modi, Shagun Jain	The idea is about the medicines made from cow bio waste and cow manure. The medicines will be made at affordable cost to the rural population.	Sattva Vikas School	9th	Ahmedabad
14	Oral Medicine Dispenser	Pawankumar Thakur, Himani Jaiswal	Medicine dispenser is equipment especially useful for old age people who have to take medicine regularly but because of age they do not remember to take, so this equipment is very useful to remind and give proper exact number of medicines.	Jay Ambe International School	9th	Bharuch

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15	Polyrip	Namrata Talsaniya, Devi Shukla	polyrip is a machine which would help avoid spilling of any liquid. It has a adjusting metal rod attached to the base, the adjusting metal rod would be holding a removable non rusting metal box. the parts of the metal box is a sliding cutter. the metal box would have a hole in the bottom, beside the hole would be a cutter attached to it, which would help in cutting the liquid bag.	S N Kansagra School	11th	Rajkot
16	R3N- reuse, reduce, recycle newspapers	Dhruvi Punjani, Aleena Khimani	They have created various products that made from only newspapers that serve as a great alternative to the plastic/ silicon/ wood products. Till now they have made phone case, ipad case, compass box, pen/ pencil stand, dustbin, keychain, tray, tea coaster and writing pads. Many more to come!	S N Kansagra School	11th	Rajkot
17	RidgeTiller	Aesha Zaveri, Muskan Patel, Rajvi Patel	To avoid burning of farms to mix the soil with remaining crop residue, ridge tiller could be used. Burning of farms for mixing the soil with crop residue leads to air pollution and soil pollution which leads to a number of other problems like asthma, bronchitis, tuberculosis and etc.	S N Kansagra School	11th	Rajkot
18	Saga of Sagacity from Mother Nature	Ananya Pisharody	She has an idea of feeling better and looking good with the help of mother nature, instead of depending on the chemical based products available in the Market. Many a times we move ahead ,neglecting the small plants and herbs which can cure easily, towards the chemical based medicines and products.	Siddharth'S Miracles	5th	Gandhinagar
19	Smart Agriculture	Vimarsh Shah	Smart agriculture aims at making the agro-industry in India smart. The Project comprises of a robot that move around in an agricultural field connecting to a local mesh network that collects weather and soil data to irrigate the fields accordingly, while detecting crop disease and updating all the data to the cloud.	Zydus School For Excellence	10th	Ahmedabad
20	Smart Blind Stick	Raj Pandya	Smart Blindly Stick automatically detects the object in one meter distance and give a response by buzzing. So, it will help blind people to identify the object in his/her way.	Diwanballu Bhai School, Kankaria	7th	Ahmedabad
21	Smart Car with Unique Features	Darsh Kadakia, Abdul Patangwala, Pujan Tank	This project has basically three features. Alcohol detection and engine locking system would sense alcohol content and if detected it would lock car engine so drunk driver can not drive. Spare headlight would work at times of night or in fog it would calculate the obstacles distance and show it on LCD screen placed on dashboard of car. RFID door lock would protect the car from theft	Navrachana Vidyani Vidyalaya	9th	Vadodara
22	Smart Dustbin	Ahan Bansal, Kulvir Chavda, Shreyansh Shah	The goal of this project is to keep our Environment clean. Dustbins are small plastic containers that are used to store trash on a temporary basis. They are often used in homes, offices etc. to collect the waste. They have designed a simple system called Smart Dustbin where the lid of the dustbin will automatically open itself upon detection of human hand.	Nirma Vidyavihar	10th	Ahmedabad

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23	Smart Life Saver	Dev Dave, Krish Saija	When a person is in any type of trouble, they can send an emergency message to police or emergency contacts that they have selected. There is another option that they can also send their live locations to police or emergency contacts that they have selected. They are going to solve this using a smart watch.	A G High School	9th	Ahmedabad
24	Smart Shoes	Priyanshi Lakhatariya, Isha Makadiya	This shoes is used for blind person which alerts them about obstacles came on their way.	Shree G.K. Dholakiya Primary School	7th	Rajkot
25	Smart Vehicle Riding	Priyank R Parikh	The product is smart sensor based helmet and following material is used for prototype: helmet, sensor(I.C.),sensing smart lock,bar code scanner,cignifition lock in store documents, face scanner with helmet. Benefits: 1) vehicle theft can be prevented, 2) traffic rules can be controlled, 3) accident can be controlled, 4) Vehicle can be controlled."	Calorx Public School	7th	Ahmedabad
26	Soil Power Generator	Gitansh Agarwal, Mitaansh Agrawal, Hiya Shah	The Soil Power Generator is dedicated to generating electricity from the soil. The aim is to use the +ve and -ve electrodes and generate elecricity from the soil by helping farmers.	Lakshaya International School	6th	Ahmedabad
27	To formulate Fusion Drive at Normal Temperatures	Jaimik Patel, Tirth Shripal, Pratham Patel, Dev Kshirsagar	An unique chemical composition to make the fusion drive work at normal temperature for rocket fuel. This will drastically cut down the cost of rocket fuels. This will be done using lithium 7 isotopes and make them feasible for normal rocket engines.	Shri J B Shah English Medium School	9th	Modasa
28	VAVI(Virtual Assistant for Visually Impaired)	Amaan Ram	This is a complete assistant for the blind people. It is based on computer vision. There is a object detection and facial recognition. Anything that comes in the camera will be heard by the user via headphone. If any relative or known person will come in the camera, the system will tell his/her name. It will have an option of saving.	New Era Senior Secondary School	7th	Vadodara
29	Vehicle spittoon	Prayagraj Mehta, Rutwa Kothari, Aaryan Devpura	Its an innovative solution to stop the spittinng in the public space. It will be convinient device incorporated within the vehicles and shall be easily accessible to day-to-day cleaning.	DAV International School	8th	Ahmedabad
30	Vertical Tower	Kavya J. Patel	Vertical Tower have developed a unique mechanism to develop cereals, pulses, vegetables and herbs can be grown and nourished using the minimalistic soil. Vertical tower means vertical and environmental factors such as air, moisture-making, in which we can grow up to 150 vegetables, flowers and medicinal plants.	Amity School	6th	Bharuch

Note: Sr No does not represent the rank of the idea.