



THIS INDEPENDENCE DAY LET'S WORK...

TOWARDS MAKING INDIA ATMANIRBHAR

Did you know the idea of a self-reliant India was conceived by our freedom fighters way back in 1905, when the Swadeshi Movement was launched to boycott English products? The Swadeshi Movement gave rise to khadi, which is now acknowledged globally. 73 years after Independence, we are at the cusp of a new challenge—a challenge to make India, 'atmanirbhar'. Ahead of the Independence Day, youngsters share their vision on how India can be self-reliant in the years to come

GO LOCAL

I believe it's time we strengthened the local manufacturing sector and reduce our dependency on imports. We should promote local products. One of the biggest examples would be the flags used for Independence Day celebrations. Did you know most of them are imported from China? I think it's important for us to start buying products that are made locally.



YOSHITA UPADHYAY, class X, DPS, Secunderabad

I PLEDGE As they say, charity begins at home. So, to promote, 'Go Vocal on Local', I will incorporate them in my life first, before influencing others. Social media is one of the best ways to promote these local products. When the demand for local products increase, the idea of atmanirbhar Bharat will automatically get a boost

PROMOTE COTTAGE INDUSTRIES

Giving more importance to the cottage industries, and the artisans who run them, can go a long way in making India atmanirbhar. It will also help in keeping our culture alive. In future, I wish to work towards this goal by making efforts to market our artisan goods, both across the country and the world, ensuring that the money they are paid, goes directly to them.



DEVINA SINGH, class XII, Shikshantar School, Gurgaon

I PLEDGE To buy more products in cotton and khadi—clothes to home decor, and even stationery items, especially from brands related to the cottage industries. I also plan to visit the local craft fairs that happen from time to time with my family and friends, and encourage them to buy things from the stalls put up by the artisans from different states of the country. In such fairs, there are no middlemen, and the profit goes directly to the artisans

PROMOTE SKILL INDIA

A start can be made by promoting Skill India and the Industrial Training Institutes (ITI) across the country. Besides, a pupil-friendly labour law is the need of the hour; if we want real change in the country; as it will increase the income of the labourers, further translating into spending on better health/education/food. Moreover, I feel NEP 2020 is a step towards making India self-reliant. If implemented properly, it will really encourage creative minds to develop their innate potential in developing an atmanirbhar India.



BHARGAV DEKA, class XII, PIS, Ahmedabad

I PLEDGE

To translate a few essential rights of the labourers from English to Gujarati and Hindi for the illiterate labourers, and create an awareness among the labour class about their rights, for, I feel the lack of awareness about their rights among the labour class, is a big reason for their exploitation. An aware labourer will be an added advantage for the workforce

PROMOTE INDIAN BRANDS OVER FOREIGN



To join this drive, we can start at the basic level by choosing local/ Indian-made products over the foreign ventures. For eg, Indian brands like Bata and Liberty do produce quality footwear, just like any other foreign brand.

KUNIKA SALUJA, class XII, PML SD Public School, Sec 32, Chandigarh

I PLEDGE To readjust my choices and opt to 'buy Indian, by Indian' to help our country become a production powerhouse. Our local cafes serve just as good coffee as any other foreign outlet does

CONSERVE RESOURCES

Surprised? How can conserving natural resources make India atmanirbhar? Well, I have realised that we have to import products, as we can't fulfil the demands of our citizens with limited resources. Thus, conserving resources might reduce the need to import natural resources, such as crude oil, petrol, etc.



AMANI GAJJAR, class X, PSBB LLA, Bengaluru

STOP IMPORTS

Sounds unfeasible. Yes, it may look impractical. But let's not forget, nothing is impossible. By stopping imports completely, we will drive people to develop their innate potential to come up with new innovative ideas, and use it where it is needed!



ADHYYA KUMAR, class X, St Mary's High School, Pune

I PLEDGE

To study in a place, where I get enough sunlight, thus saving electricity. This, in turn, will help people in villages, slums, etc. receive better supply of electricity. I will keep the windows in our home and cars open to save electricity

I PLEDGE

To buy products that are not only made in India but also encourages and supports Indian labour, Indian talent, Indian heritage and textiles. I will also encourage others to take the same pledge

STUDENT EDITION

FRIDAY, AUGUST 14, 2020



WEB EDITION

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GRATITUDE to our COVID WARRIORS



I plan to dedicate an artwork and a self-composed poem to the frontline workers. Let us inculcate safety habits, perhaps, that's the best way to honour the real superheroes.

AADRI BANERJEE, class XII, Apeejay School, Kolkata

Just thanking our life savers is not enough. Let's cooperate with them and extend our gratitude to their family members, who have been their strength and support. Let us stay indoors and follow hygienic life to make their lives easy.

SOUMYA DHOKARIYA, class VII, Cambridge Court High School, Mansarovar, Jaipur

I have decided to extend a hearty thanks to each and every Covid warrior by making a beautiful 'Thank You' card and posting it with a message on various social networking sites.

DHWANI GULATI, class VI, Bhavan Vidyalaya, Panchkula

RR SHANTOSH, class X, SBOA School and Junior College, Chennai

Project: Solar electric bike



THE PROJECT: A solar electric bike, it runs with the help of both solar power and battery. Called E-LITE, this eco-friendly bike runs on a 48v battery, 750watts motor and 100 watts solar panel. The bike can carry up to 600kg of weight at a speed of 45km/hr. The solar panel causes photo volatile cells to produce electricity, so it runs automatically with the help of the solar power. You can also charge our mobile in the bike.

Due to its cost effective nature, I hope to launch this bike in all the villages of our country. Farmers, who rely on tractors and cattle to transport goods, can opt for this eco-friendly, cost effective bike that will not only save them some money but also get their work done in lesser time

SIDDHARTH KUMAR GOPAL, class VII; St Thomas Residential School, Thiruvananthapuram

Project: Boat-o-Bed

THE PROJECT: A prototype of a smart bed; 'Boat-o-Bed' is aimed at making bedridden people atmanirbhar in the event of a flood. The bed is equipped with a GPS/ GSM unit. Using a moisture sensor and servo motors, the smart bed will automatically tilt down, and the patient along with the bedding will start floating. Simultaneously, an alert will be sent to pre-configured telephone numbers, which will help the rescue workers to reach the person in need faster.



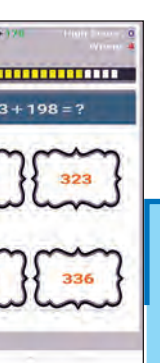
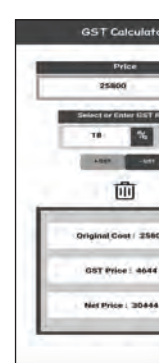
The idea came up, when I saw the difficulties faced by the rescue workers to rescue bedridden people stranded during Kerala floods. They were lifted along with their beds on the boats. So, I thought, if the bed could be converted into a boat, it would be helpful

Small STEPS, Bigger GOALS!

Meet the young innovators of today, who could be leading entrepreneurs of tomorrow

PARVATI SHAH, AFIA NAAZ & VAIBHAV ASWAL

class VII, class VI, class XII, respectively; PYDS, Learning Academy, Dehradun



TWISHA KARRA & VEDIKA MAKI, class IX; Fr Agnel Multipurpose School and Jr college, Mumbai

Project: Industrial development

THE PROJECT: The model shows an easy and efficient way to treat and make complete use of the waste material coming out of the factories. Comprising solar panels and smoke arresters, which make it possible to have a greener environment around the factory, the solid waste is turned into manure, while the waste water is treated several times to make it useful for human activities, like car washes, industrial use, ornamental structures in gardens, etc.



It will go a long way in making our industries atmanirbhar and eco-friendly, as there will no need for the industries to outsource any other wing to get rid of the industrial waste. This system can be implemented on a larger scale to keep our cities, rivers and natural surroundings clean

TWISHA KARRA

Project: Made in India Apps

THE PROJECT: The Math Quiz App called 'Brain Gym', and 'GST App' to calculate the GST of goods and avoid overcharge of GST, makes things easier for the common man. **GST Calculator:** The simplified GST calculator helps in determining the gross or net product price on percentage-based GST rates. **Brain Gym App:** This app helps users to calculate quickly and get better at mental math. It allows the user to choose from a quiz on addition or subtraction. The users get points depending on how fast they give answers to all the questions. On the completion of the quiz, they can check their performance on the score board.

Calculating GST can be tough. So, to overcome this problem, we came up with this GST App with simple user interface, which our parents and people living in the villages can use easily.

VAIBHAV ASWAL

HOW SELF RELIANCE HAS SHAPED INDIA



1 The idea of Make in India was conceived in 1905 – when the Indian National Congress started the Swadeshi movement. Mahatma Gandhi gave a call to the country to boycott English clothes. Wearing chakra-spun Khadi became a new norm. The Make in India 1 was born.

2 After independence in 1947, India's first PM Jawaharlal Nehru came out with his idea of self reliance by building huge dams and hydroelectric projects, and setting up huge factories manufacturing heavy electrical equipment, electronics, consumables, consumer durables and cars—which gave birth to the Ambassador; the Premier Padmini and so on—India embarked on its road to self-sufficiency.

3 The creation of world-class IITs, IIMs, ISRO, etc, paved the way in making India progress towards the path of self reliance.

4 The Mangalyaan Mission (MOM), India's first interplanetary endeavour to cross the Earth's orbit successfully, at a cost worth ₹450 crore, was hailed for being cheaper than the Hollywood movie, 'Gravity', and much cheaper than NASA's Maven Orbiter.

5 The recent call by PM Modi to make India self reliant aims at boosting the scope for private participation in numerous sectors, increasing FDI in the defence sector, etc.

6 India's own 'Made in India' 5G network by Reliance Jio is all set to hit the market. It will enable us to launch a world-class 5G service in India, using 100 per cent home-grown technologies and solutions.

7 For the first time, in July 2020, Apple announced that it would manufacture one of their iPhone models in India.