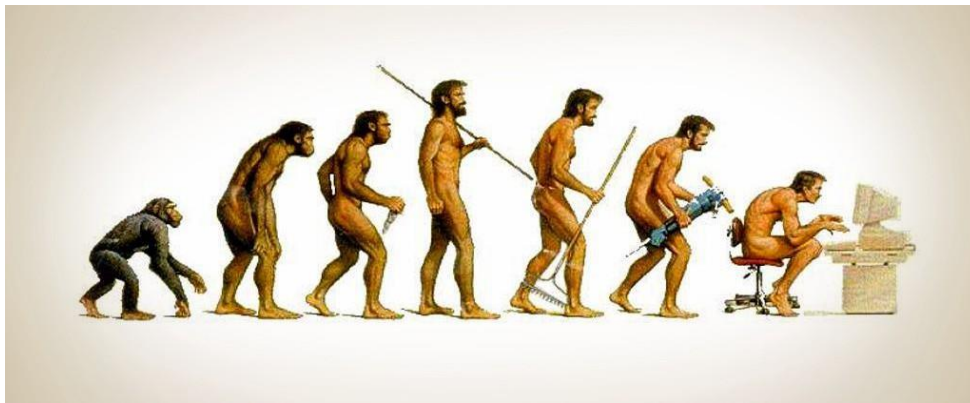


# Innovation is a Foundation of Developing Civilisation

*Author – Jay Bajaj*

In 1869, when Charles Darwin enlightened the world about his ‘Survival of the Fittest’ theory by his book ‘Origin of Species’, little did he know that he had also wrote down the crux of past, present and future behaviour of Homo Sapiens, the species which we call Humans. The theory says – *‘organisms best adjusted to their environment are the most successful in surviving and reproducing’*.



Since the inception of mankind, humans have pushed themselves to be better versions of themselves, Plato had said “our need will be the real creator” and irony is just for the need of better understanding humans have modified this statement into ‘Necessity is mother of invention’. Undoubtedly this kind of modifications are necessary in this fast-pacing world and innovations are just the same, they are vital for progression of the race. Innovation helps in enhancing the convenience in life, innovation helps in ensuring the better security in the society, innovation helps in promising bright future for our forthcoming generations and overall, innovation helps in making the life better.



There was a Parle-G advertisement which said "बचपन से बड़ा कोई स्कूल नहीं, क्यूरियोसिटी से बड़ी कोई टीचर नहीं", the man who wrote down this advertisement must have been a hell of an innovator with his writings, because indeed a person's childhood makes the base of his intellect and creativity, the curiosity in the childhood is the key to doing innovations in youth.

Innovation is a core driver of economic growth and job creation and one of the main components of youth entrepreneurship. Youth entrepreneurship has shaped the future of human race and will keep shaping destiny of our forthcoming generations. In 2004, Mark Zuckerberg made Facebook at the age of 19 and brought the revolution of social media market in the world. It has caused a Butterfly effect in human lifestyle, which has given rise to various opportunities in the market like – social media influencers, content creators, e-commerce campaigns, etc. A website created by 19-year-old boy went on to create an industry in itself, who's market value is worth Billions.

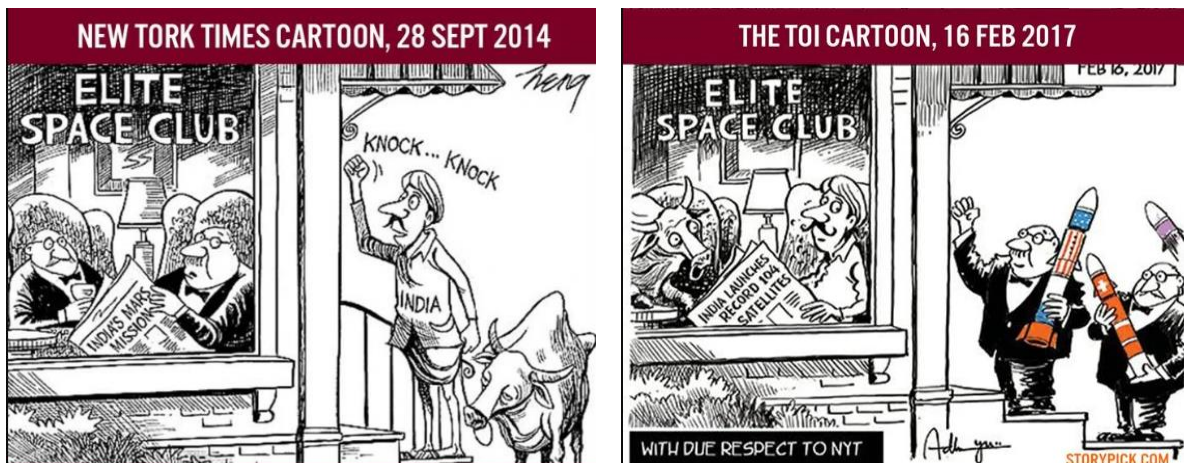
When so much of innovations by youth is taking place, it is necessary for an individual to protect and preserve his/her intellectual property. The creation for which he has devoted blood, sweat and tears, must be registered to his name so that no one else can steal his idea and copy the concept for personal benefits. Keeping this Intellectual Property security in mind, World Intellectual Property Organisation (WIPO) was established in 1967 through WIPO Convention and later on in 1974 this organisation became a specialized agency of the United Nations through a bilateral agreement between WIPO and the United Nations.



Hence getting a patent or shall we say Intellectual Property Rights for an innovation by an individual became necessary part of the process. Intellectual Property Rights gives the creator an exclusive right over the use of his/her creation for a certain period of time. Rights are given to persons over the inventions, literary and artistic works, symbols, names and images.

## India at Innovations

Since historical times India has been at forefront in terms of innovations. Starting from 'zero' to 'pen drives' to sending the most economical viable mission to Mars, India is determined to make its mark in Scientific domain of the world.



Recently in Covid-19 times India has emerged as Pharmacy of the world, supplying the countries across the world with Covid vaccines and this ability also gave rise to our 'vaccine diplomacy' strategy which helped in building good relations with other countries. Innovation not only helps us advanced into better future but also helps us making friends which can be beneficial in future. India

also set record of launching 104 satellite at once into the space by single rocket, amongst these satellites only three were Indian and rest other were foreign satellites.



In this world of constant danger, where we are always at the brink of war, it is essential for a country to be self-reliant and as we are celebrating 75 years of our Independence, to which our Prime Minister has fondly named 'Azaadi Ka Amrit Mahotsav', India is moving towards being self-reliant in every sector using innovation by youth.

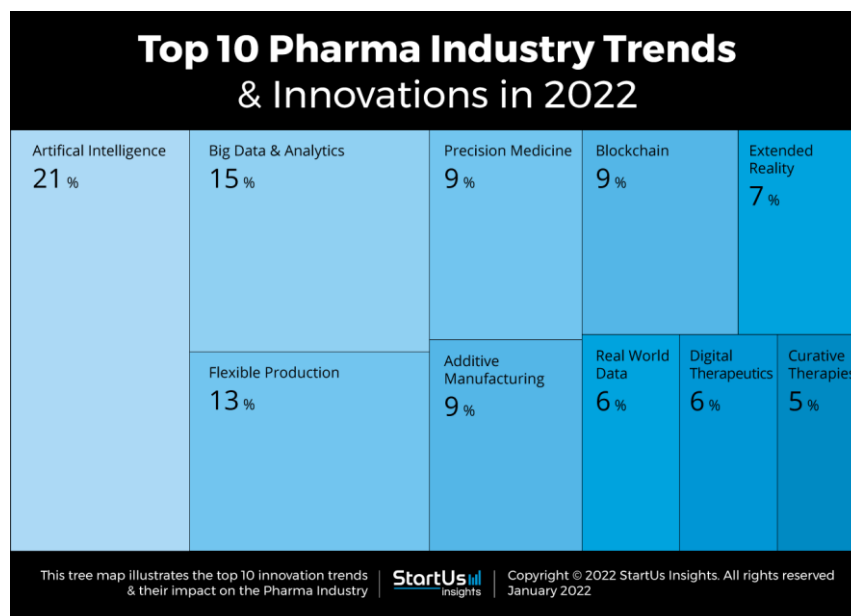
## 1.) Finance



Since India has adopted its digital payment system – Unified Payment Interface or UPI, it has enhanced the convenience of payment of goods by Indian consumer and merchants. Impressed by this payment gateway, Nepal has already adopted and countries like Singapore, Malaysia and UAE are already in the final round of talks to adopt it. Same goes with debit/credit card service called Rupay, earlier there were only two Foreign players in the market - Mastercard and Visa, which used to charge the

convenience fee from merchants. Rise of Fintech (Financial-Technology) start-ups like BharatPe by young innovators like 23 year old Shashwat Nakrani has given boost to digital payments in the country. There has to be one more honourable mention of Nishith Kamath – the founder of stock broking application Zerodha, which eased the purchase of buying and selling the stocks, glad he started his stock market journey at age of 17, because now he is able to give boom to retail stock buyers of India.

## 2.) Pharmaceutical Industry



Since taking that crown of ‘Pharmacy of World’ from Germany, India has never looked back and has been constant supplier of medicines and vaccines across the globe. Serum Institute of India came into the limelight during Covid-19 times, but since its inception it has been supplier of affordable vaccines into the third world countries of Africa. Indian pharmaceutical industry has set the benchmark across the world for the production of pharmaceutical and nutraceutical products. And the Indian youth has turned out to be the backbone of the industry for giving valuable services in the production, research and development and quality control fields.

### 3.) Defence



As a part of 'Atmanirbhar Bharat Abhiyaan', Government of India has enhanced Foreign Direct Investment(FDI) in Defence Sector up to 74% through the Automatic Route for companies seeking new defence industrial license and up to 100% by Government Route wherever it is likely to result in access to modern technology. Defence Ministry has also given massive contracts for indigenously built Indian Aircraft - 'Tejas' to Hindustan Aeronautics Limited (HAL). India in partnership with Russia has developed world's fastest supersonic cruise missile named 'BRAHMOS'.

### 4.) Entrepreneurship

Country	Age Group - 18-34 Years	
	Innovation Level	Fear of Failure
India	55.0%	31.9%
China	29.0%	35.6%
Republic of Korea	29.0%	30.8%
Australia	55.0%	47.1%
Indonesia	30.0%	50.5%
Malaysia	46.0%	31.5%
Philippines	48.0%	37.9%
Thailand	44.0%	45.1%
Vietnam	29.0%	51.7%

As per the latest survey of Global Entrepreneurship Monitor(GEM) report, innovation level of youth entrepreneurs in India is highest amongst Asia and the Pacific region.



Recent initiatives of governments like supporting the start-ups and funding Micro, Small and Medium Enterprise (MSME'S) has turn out to be boon for innovators as they can have financial support and tax relaxations. Initiatives like Student Start-up Innovation Policy(SSIP) of Gujarat government have sowed the seed of entrepreneurship amongst youngsters. According to 3one4 Capital India's Start-up industry which currently third largest in the world is going to triple its valuation to \$ 1 Trillion by 2025. If India achieves this mark, the youth of the country would be the master ingredient of this recipe. And indeed, they need to secure their recipes of success by getting Intellectual Property Rights, so that this recipe doesn't gets stolen. Below is the list of ten most successful Indian young entrepreneurs with their age and names of their brainchild's: -

Sr no.	Name	Age	Brand
1	Ritesh Aggrawal	27	OYO Rooms
2	Tilak Mehta	16	Papers n Parcels
3	Sreelakshmi Suresh	23	eDesign, TinyLogo
4	Trishneet Arora	27	TAC Security
5	Akhilendra Sahu	20	ASTNT Technologies Pvt. Ltd.
6	Divya Gandotra	18	Scoop Beats Pvt. Ltd
7	Farrhad Acidwala	27	Rockstah Media and CYBERNETIV DIGITAL
8	Kavita Shukla	30	The Freshglow Co.
9	Ranveer Allahbadia	28	BeerBiceps & Monk - Entertainment
10	Sumit Shah	31	Dukaan App

### **Way Forward**

Youth, Innovation and IPR are the responsible sailors of one ship, which is named 'development', which is moving towards for betterment of human civilisation. They work in a synchronised manner with each other to keep sailing the ship further to its destination. On this occasion of World IP Day let's pledge to keep the fire of curiosity alive amongst us, let's keep the fire of innovation alive amongst us and let's not steal the ideas of our fellow innovator brothers and sisters. Because as John Heywood has said "Rome wasn't built in a day, they were laying bricks every hour". Similar way an innovation demands years of dedication and hard work, but just a peek into peer's papers to steal it.