

Blog theme: IP and Youth: ‘Innovating for a Better Future’

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Every 26 April, World Intellectual Property Organization (WIPO) is celebrated the world intellectual property day with different themes.

Curiosity can bring innovation in any stage of life. The begging of innovation is not assured for any promises but as curiosity gets involved higher & higher, innovation leads to shape better products and services. Innovation occurs by formal plan, informal plan, accident, concrete strategies or many other relevant factors. The intellectual property is an idea or design of somebody which is unique & useful. The IP rights is own by a person for the creative design, development or idea which cannot be reuse that creation without the owner's permission.

The recent report of improvement in patent filing numbers advanced India's ranking at the Global Innovation Index to 46 in 2021 from 81 in 2015-16. The actual data is very difficult to find, how much input was there from which age group, however it can be well predicated that it must be because of increase in awareness on IP at school and college level. The youth have tremendous energy to do something & to think something out of box. Their vibration for actions & reactions is swift in nature. The innovation can have wings with such swift environment. There are many ideas & innovations happened every day in our day-to-day life but issues in adapting as intellectual property (IP).

The recent trends of five year suggest rise in the patents filed in India growing at the rate of around 4-5% incremental year. On other side the number of patents granted in the last five years almost tripled, according to the Economic Survey 2021-22, indicating quality of patents filed. The numbers of start-up evolved of filed patents is about 3%, indicating a bright future.

Recently, many initiation starts by Indian government such as 80% and 50% reimbursement money for filling patent and trademark by star-up Company which is approved by Start-up India programme.

For in depth statistics, visit the below wipo website:

https://www.wipo.int/ipstats/en/statistics/country_profile/profile.jsp?code=IN

Its look good!!! *Neem, Tumeric and Basmati* Patent case studies are known by many of people. Similarly about “*Fibonacci number*”??? It is first described by Indian mathematics as early as 200 BC. But, unfortunately it named after the Italian mathematician Leonarodo Pista.

Now let’s see one example of US for awareness and encouraging IP in kids and teens:

USPTO for the Kids and Teens:

The United States Patent and Trademark Office (USPTO) start the below website for the awareness and cheering the IP protection by Kids and Teens:

Website: <https://www.uspto.gov/kids/teens.html>

Screenshot of website is shown in Figure 1.



Figure 1. Screenshot of the USPTO website

USPTO comes with novel and innovative idea for the awareness and encourage IP in kids and Teens with above website. Here, represent USPTO is make the cartons and different video for understanding the IP. Also, USPTO is developed the different types of creative and fund based activities which are shown in Figure 2.



Figure 2. USPTO activities for the Kids and Teens

More than that USPTO also encourage the teens and kids who register the IP. One of the examples is the Rebecca Hyndman.

Let's meet Rebecca Hyndman, who filled the patent on under floor storage. She comes with novel idea to provide extra storage space in kitchens and bathrooms. She make the floor design such way that lid of box are same level of the other floor titles. Now, curiosity question what she does new? Answer is very simple, she make the working model for under storage tank and solve one of the most challenge problems.

About India:

Government of India start the KIPS-Kids IP series with cartoon but not attractive and look very simple. No doubt it is one of the great beginnings by the government but need more such cartoon base video series. Not only that but government can also start the innovative fun based activity with different level and who is the completed give the certificate. In young as mind are the very curious to know things and which can leads to innovation. One more things we have no any data of IP filled by Indian teens and kids. So, now it is time to recognise them.

Let's meet some young entrepreneurs:

Tilak Mehta (age: 16) is a founder of the Papers n Parcels. In financial year 2020-2021, his company is reported the more than 100 cores turnover. What he do? Firstly, he is recognised the problem for the delivery of the parcel. He comes with innovative solution which one day delivery of parcel. For that, he is collaboration with Mumbai Dabbawalas and delivery the parcel in one day with low cost. Like that Sreelakshmi suresh (age: 23) is founder and the youngest CEO of the eDesign and TinyLogo. Many more...

Let's meet youngest patent holder from the India:

Hridayeshwar Singh Bhati is filed the design patent at age of 9. He invented six player variant chess board. Another one is Krishna Kant from the Keral. He developed the Low-Cost Electronic Speed-breaker.

Let's meet innovative kids under 17 from the India

Shreyas Kishore and Pranshu Malik, class 12 student who develop the traffic and emission control system. Shaurya Jain, develop the portable atmospheric water generator. Hemkesh Agarwal, developed the automatic home surveillance which detect the motion and fire in home. Many more young innovators in India.

Some of key observation and remedies proposed for inclusion and inspiring youth

- ✓ Patent filed by youth of age up to 25 must be making free of cost or incentive basis. Government or private firms can be partner in profit sharing basis.
- ✓ Use of artificial intelligence in primary scrutinization of patent application can improve the speed and reduce the load on of physical evaluation.
- ✓ Rewarding and include name of scientist case studies who gain fame as well as position thorough innovation in routine curriculum
- ✓ Specialize school and curriculum for youth with intellectual and innovation capabilities (Extension of IITs)
- ✓ Encouragement in CSR activity IP for Youth