

Kartik .W. Kinge

IIIT-Nagpur, BSNL RTTC, Nagpur-440006, Maharashtra, India.

Ph no: +91 8975383155

Email: kingekartik@gmail.com | CV: www.kartikkingecv.tk

About me

Responsible, innovative, organized, passionate and committed Individual with a get-it-done approach. Also having keen interest to obtain new skills, training and having a flexible approach to all work situations. I love to work on new concepts and research based activities.

Beside this, I make different science models and innovative concept prototypes. I am a Youtuber, Blogger, Gallivanter and Music lover.

I love to see technology from a design perspective and vice versa. This vision reflects in almost all of my projects. In short, I do what I love and I love what I do.

Education

Indian Institute of Information Technology	Nagpur
<i>B.Tech in Electronics and Communication Engineering, —CGPA 8.6/10</i>	<i>2017–present</i>
Yeshwant Mahavidhlaya	Wardha
<i>Senior Secondary (State Board), 84.6%</i>	<i>2016</i>
Agragrami Convent School, Mhasala.	Wardha
<i>Secondary (CBSE), CGPA 9.4/10</i>	<i>2014</i>

Achievements

- Secured 2nd position in National Level “**Best Innovation Awards-2017**” organized by GHR-labs in devising the idea on Gravity Based Green Energy Lamp.
- Secured All India Rank 12132 in **JEE-Advanced** exam out of 15 lakh students from India in 2016.
- Secured All India Rank 1077 in **NEST (National Entrance Screening Test)** in 2016.
- Secured State Rank 24 in **Maharashtra Olympiad Movement** 2013-14. And selected for 20 days Practical training camp at Science Centre in Pune.
- Secured 1st position in **CSL-IAPT National Level Innovative Experiment contest** in 2012-13. Organized by Centre for Scientific Learning in association with Indian Association of Physics Teachers.
- **MTSE Scholar** for two consecutive years 2012 and 2013 in competition organized by Centre for Talent Search and Excellence.
- Secured Percentile of 99.57 in **Reso-Vista** in Vidarbha level Scholarship exam.
- Secured Rank 16 in (VTSE) **Vidarbha Talent Search Examination**.

Projects

Gravity Based Green Energy Lamp:

My own self designed device which converts Gravitational Energy into Electrical Energy. It also won first prize in National level "Best Innovation Awards-2017". Features clean and green energy. Energy can be harnessed at any time of day, anywhere on earth and device is portable to carry.

Gesture controlled Radio Controlled Car:

Demonstration of concept of Gesture controlled Robotics to provide better user interface in controlling environment. Possible application could be expected in drone and robot control in defense systems to control with better precision and accuracy.

Gesture controlled Piano:

Piano with IR switches which can detect gestures of fingers to play the tunes. So, piano can be played just by waving hands over the sensors than interacting with buttons physically.

Smart Security Camera:

Ongoing project under development, Features auto ON of camera only when living object is detected and then notify the admin about the intruder through Email or Android App. Application can be found in smart home, home automation, entrance gates etc. Has potential to interact with (IOT) Internet of Things for more features.

Robotic Arm:

Ongoing project under development, which is capable of copying motion of human hand, and performs the preprogrammed tasks.

Relevant Courses Taken

- { Analog Electronics, Digital Electronics , Basic Electrical Engineering.
- { Computer Programming, Data Structures, Application Programming.
- { Applied Sciences, Mechanics and Graphics, Mathematics-I, Mathematics-II.

Technical Skill Set

Programming Languages: C, Python(Basic).

Scripting Languages:Processing, HTML, DHTML, CSS, PHP(Basic).

Hardware Description Language: Verilog.

Hardware Platforms: Arduino, Raspberry Pi, Atmega-328.

Design Tools: Multisim, PCB Artist, Google Sketch-up.

Platform: Linux, Windows, Rasbian.

Other Hobbies

Electronic Hobbyist: I love to make different Electronic models, gadgets and concept prototype.

You-tuber : I am creator and director at my self owned you-tube channel. I like to present my models and Ideas in my videos. This has enabled me to collaborate with other techies worldwide. Beside this it also add to my short income through Google Adsense.

Blogger : I write blogs on my Ideas, and my opinion on different topics.

Gallivanter and Music Lover: I love to travel in search of adventure and amusement.