

**N.R. NARAYANA MURTHY**

EXE. VICE CHAIRMAN, INFOSYS, INDIA

**YOU NEED VISION  
TO ACHIEVE A GOAL**



A Seminar on  
Establishing of Entrepreneurship Cell -  
A Today's Essential Need for Educational Institution

Presented by

Dr. Krushna V. Padole  
Department of Banking and Financial Sciences



**FROM GETTING  
MARRIED AT 12 AND  
ABUSED BY HUSBAND**

**TO BUILDING A  
700 CRORES WORTH  
REAL ESTATE  
BUSINESS**

**INSPIRING STORY  
OF KALPANA SAROJ**

From Child Bride to Top Entrepreneur  
Kalpana Saroj's Incredible Journey



“ If there was extra salt in food I cooked or any mistakes I made, I was **beaten** up by my **in-laws**. ”

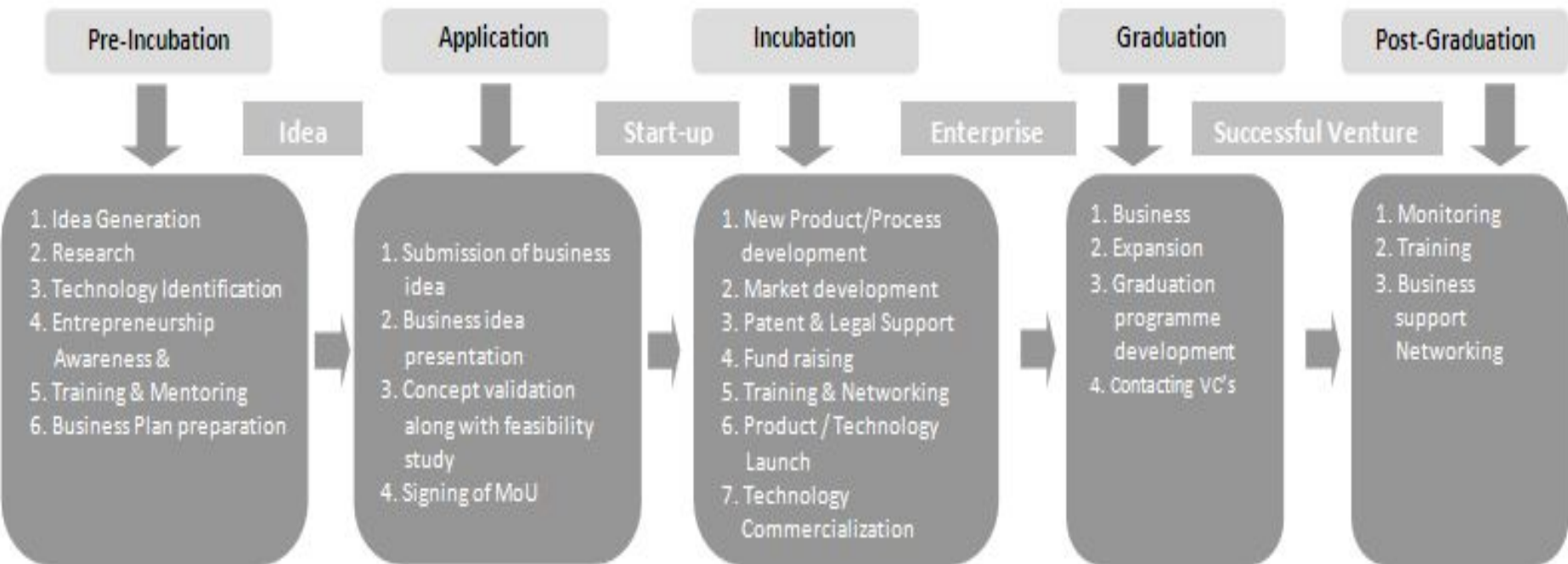
An Entrepreneurship refers to

- ▣ Identifying/innovating ideas
- ▣ Product and services
- ▣ Mobilizing resources
- ▣ Organizing production/service and finally
- ▣ Marketing them covering the risk with constant strive for Growth and Excellence.

Entrepreneurship means bringing innovative ideas into commercialization – Krushna Padole

# Incubation Model

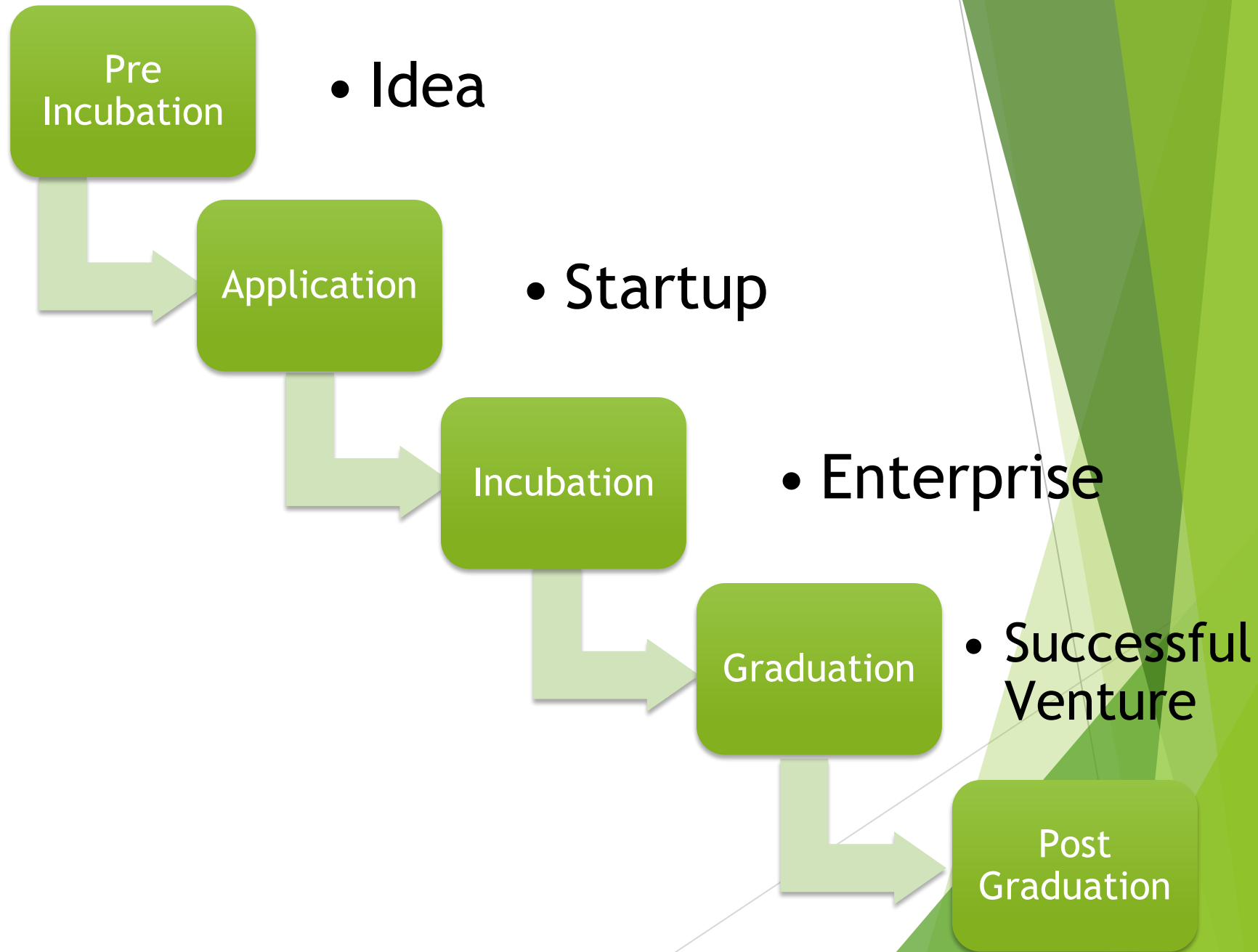
## INCUBATION PROCESS : IDEA GENERATION TO VENTURE CREATION



# Incubation Model

- A. Pre-Incubation support
- B. Business idea preparation and validation.
- C. Signing of MoU with Incubator
- D. Support for Product development/improvement
- E. Training and networking
- F. Loan assistance from Banks/Seed money , Legal and IPR support , Product marketing and commercialization support.
- G. Technology exhibition, awareness camp and entrepreneurial development plan.
- H. Support after graduation from the incubator.
- I. Management capacity development programme
- J. Monitoring

# Incubation Model



## **PROPOSED EVENTS**

**Promotion of EDC and Incubation Center in CIHAN UNIVERSITY by the following means-**

- i. Email/Moodle to all the Students**
- ii. Interaction with individual student (Counseling at Incubation Centre)**

**Video Presentation on Entrepreneurship  
Guest Lecture on ‘Generating Business Idea’**

**Visit to Entrepreneurship Business**

**Presentation on  
Latest Businesses in the World (by World)**

**Guest Lecture and Discussion on  
‘How to prepare Business Plan’**

**Guest Lecture on  
Product /Technology Launch /  
Technology Commercialization**

**Visit to Kurdistan Industries Association**

**Phase I:  
Business Idea Presentation  
(Based on Feasibility, Marketability, Availability of  
resources, Unique)**

**Guest Lecture on  
'Entrepreneur Support Systems'**

**Phase II:  
Case Studies Presentation  
(SWOT Analysis)  
(Issues, Challenges, Opportunities etc. in selected idea)**

## **Phase III**

### **Presentation on**

- a) Product/Process development**
  - b) Market Development/ Plan of Expansion**
  - c) Patent and Legal Support**
  - d) Fund Raising**
  - e) Training and Networking**
  - f) Product /Technology Launch**
- Technology Commercialization**  
**(Based on Business Idea selected earlier)**

## **Phase IV:**

**Discussion / Presentation on Improvement on Phase III**

**Guest Lecture on Training and Networking**

**Budget Analysis Session**

**Street Play Competition**

**Theme - Social criticism/issues and overcome**

**Entrepreneurship Quiz**



## ▶ Real Examples

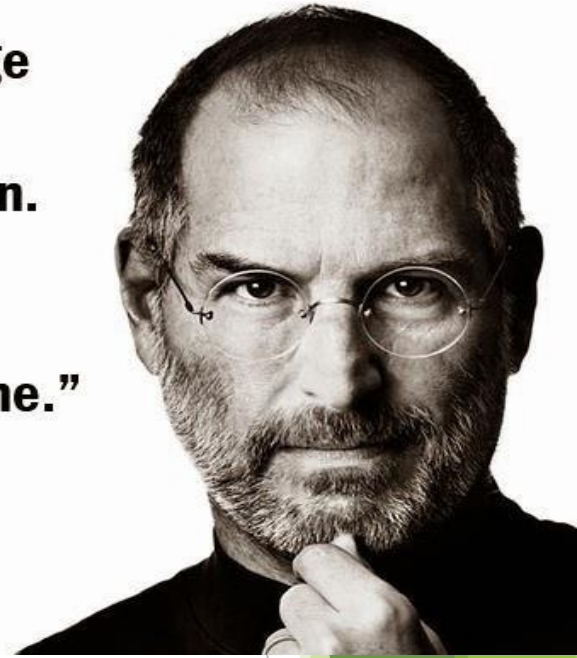
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**YOU NEED VISION  
TO ACHIEVE A GOAL**

**“Have the courage  
to follow your  
heart and intuition.  
They somehow  
know what you  
truly want to become.”**

**- Steve Jobs**



# Won Feel

## Mechatronics

Manufacturer of quality range of Metal Works  
Pneumatic project, Energy Conservation robotics,  
future transporterS



# Midnite Breakfast



Midnite Breakfast is a “Late Night” Food and Beverages delivering company run by enthusiastic students of Nagpur. The company delivers food and beverages to students and working professionals at their doorstep during odd hours in the night.

# Now, cell phones can be charged by radiations emitted by Mobile Towers

■ The invention may reduce carcinogenic substance spreading in the environment

## ■ Principal Correspondent

BEING a mobile addict, he always wanted to improve the battery life of his mobile phone. So, he kept on working throughout the 2012 summer making wireless chargers or some equivalent device and like a lightning. During that period suddenly he asked questions to himself. What if, the mobile gets charged by itself in the field of network signals? What if, the areas hit by radiations can actually control the intensity of radiation, and indirectly avoid cancers? What if, the unwanted radiations are harvested to produce dc volts?

Abhijeet Daigavane, an Electronics and Telecommunication engineer was trying to solve these

queries. During that time, his concluding semesters of Engineering at G H Raisoni College of Engineering were underway wherein, he was supposed to have projects. So, he brought the prototype to the college lab and started the improvisation. His teachers first Prof P S Hedao and later Prof A

S Titarmare, guided him well. Abhijeet got the success and that the news of success spread in institute. Dr Priti Bajaj, the Director, acted fast and, helped him to get the concept and the circuit patented. Now, with the NOC from the attorney, the patent has been filed successfully. And, with this he is on the verge of falling in the category of young patent holders!

What is the invention? Abhijeet has developed technology through which mobiles can be charged using



Abhijeet Daigavane

the radiations emitted from Mobile Tower. It has been made possible by the invention of a unique circuit on a very fresh concept of generating electricity from the available Mobile tower radiations.

Abhijeet told *The Hitavada*, "The 'Brainchild' is a simple yet, an ingenious circuit

that absorbs the available radiation and converts it into usable dc volts. All the power transmitted from the cell tower is not judiciously used and is hence, wasted. But using the circuit, the radiations can be harvested so that at least a mobile gets charged! The medical benefit of using it is that the areas hit by the cell tower vicinity can use it to minimize the chances of cancers by controlling the radiations and getting current as a by-product at the same time. Moreover, this would ulti-

mately help in conserving energy, say, by glowing couple of LEDs and by performing other DC operated tasks for free!"

Now, Abhijeet is planning to commercialise the product by making built-in automatic chargers for mobiles. Research and Development is going on so as to mount the circuit on mobile phones. Organisations from the relevant background are welcomed for the commercialisation of the concept and to make the product available to masses.

Abhijeet, who is from Nagpur has named the circuit as 'Brainchild'. Dr Jyoti Daigavane who is specialist in Home Economics is Abhijeet's mother and Dr Prashant Daigavane, is Civil Engineer who has 4 patents in his name is Abhijeet's proud father. Initially people laughed at him and criticised too. But Abhijeet remained firm and worked with perseverance and it bore the fruits. His parents expressed immense happiness.

सकाळ  
गुरुवार,  
१८ सप्टेंबर २०१४  
३

# एका किलकवर जाणून घ्या सेलच्या 'ऑफर्स'

अभियांत्रिकी विद्यार्थ्यांचे ऑप्लिकेशन : शहरातील सर्व प्रकारच्या दुकानांचा समावेश

मंगेश गोमासे :  
सकाळ वृत्तसेवा

नागपूर, ता. १७ : शहरात कुठे सेल लागला आहे, कुठल्या दुकानात ऑफर्स दिल्या जात आहेत, पाहण्यास सवलती कोण देत आहे याची माहिती जाणून घेण्यासाठी याचा शोध घेण्याची गरज नाही. तुम्हाला तुमच्याच मोबाईलवर घरबसल्या एका किलकवर ही माहिती उपलब्ध होऊ शकते.

जी. एच. सप्रेमोनी  
अभियांत्रिकी, महाविद्यालयातील पवन परिहार या विद्यार्थ्यांनी



अशा ऑफर्स अनदी वस्तूंचा उपलब्ध करून देणारे 'माय नागपूर' नावाचे 'अॅन्ड्रॉईड ऑप्लिकेशन' तयार केले आहे. सणामुर्तीच्या दिवसात खरेदीसाठी बाजारत मोठी गर्दी होते. त्यातूनच दुकानदार ग्राहकांना आकर्षित करण्यासाठी विविध ऑफर्स आणि सेल

## नव्या ऑफर्स आल्यास येते नोटीफिकेशन

दररोज दुकानदारांकडून नव्या ऑफर्स देण्यात येतात. अशाप्रकारच्या कुठल्याही नव्या ऑफर्स, सवलत दुकानदाराने जाहीर केल्यास त्याचे नोटीफिकेशन यात दुकानदारांसह ज्यांनी हे ऑप्लिकेशन डाउनलोड केले त्यांना जाईल. त्यातून दररोज नवनव्या सवलती, ऑफर्सची माहिती ग्राहकांना मिळेल.

लावले जातात. अशावेळी कोणत्या दुकानात कुठली ऑफर, एकीत अन सेल सुरू आहे, हे कळण्यासाठी बरेचदा वर्तमानपत्रातील जाहिरातींचा शोध घ्यावा लागतात. मात्र, वर्तमानपत्रात भोवपध्याच दुकानांच्या जाहिरातींचा समावेश होतो. त्यामुळे प्रत्येकच

ग्राहकाचे समाधान होताना दिसून येत नाही. यासाठीच सर्व सामान्य नागरिकांसाठी या ऑफर्स, सेल, सवलतींचा लाभ मिळवा यासाठी पवनने हे ऑप्लिकेशन तयार केले. यातूनच त्याने गणेशोत्सवादरम्यान धराबारातील गणपतीचे फोटो बघता

येईल अशी सोपे करून दिली. ऑप्लिकेशनमध्ये केवळ दुकानाचेच पत्ते नाहीतर त्या दुकानात विकण्या जाणाऱ्या प्रत्येक वस्तूवर कुठली ऑफर, सूट आणि सवलत आहे हे ही कळणार आहे, यासाठी कुठल्या बाजारात कुठले दुकान आहे, याचीही माहिती मिळविता देणे शक्य होणार आहे. शिवाय आपल्याकडून सुविधांचीही समावेश त्याने यात केला आहे. त्यामुळे आता ऑप्लिकेशन डाउनलोड करताच वस्तू, परिसरिहाय दुकानांची यादीत मोबाईलवर उपलब्ध होणार आहे.

# 4 students find answer to food adulteration

## Device Can Detect Toxins In Food Items, Display Methods Of Removal

Royal Gwalior | **1**

With incidents of food adulteration hitting the headlines and organic products appealing to so many people's fancy, many of us would wish to know what we are eating along with our food. Four city students have developed a device that can actually help one determine the pesticide content in any vegetable and help one clean it up too.

Classified as the portable toxic threat detector (PTTD), the mechanism developed by third year electronics and telecommunication engineering

### TODAY'S SPECIAL

students of GII Raisoni College of Engineering Saurash Parank, Steve Dhandurikar, Sagar Nare and Sowmya Singh, also tells you whether or not something is safe to eat. The device also tells the best method to scientifically remove the contaminant.

"It was reading about the prevalence of diseases caused by contaminated food that led Saurabh to find a way out. Articles about the high pesticide content in the farm produce in India being very high and low entire population was facing the threat of genetic disorder and cancer scared me. So, I decided to do something about it," he said.

The team first searched the Internet for research, devices and other available resources on the topic. They did a gap analysis and concluded that time-consuming methods reliance on big laboratories and expensive chemicals required for it hampered people's willingness to find out a solution about the food they were consuming. Lack of awareness and that of experts also affected this. In their

## TOXIC THREAT DETECTOR

### HOW IT WORKS

► Food stuff is kept on the plate on the sensor

► In case of a liquid, the device shaped like a mobile phone is dipped into it

► No sensors help detect the chemicals contained in the item

► It gives out the quantitative measurement of contaminants and tells about the quality of the foodstuff

► A software that has information about permissible limits of all known contaminants, processes the data of the given foodstuff to display the safety level

### POSSIBLE USES

► Food industry

► Malls and supermarket

► Catering services, restaurants and canteens

► At homes



Articles about the high pesticide content in the farm produce

in India being very high and how entire population was facing the threat of genetic disorder and cancer scared me. So, I decided to do something about it

Saurabh Parank

quest to solve these problems, the budding engineers have been doing their own research for the past one and a half years.

"We developed the threat detector that can give qualitative and quantitative analysis of the foodstuff. Since the device could only be helpful in case of solid food items, we developed another one which looks like a mobile phone and can be put inside a container," he said. Both these devices give instantaneous results with the help of biosensors. The present device is only a prototype and can take a weight up to one kilogram.

However, several changes are being planned by the team. "First of all we want to increase the weighing capacity



## The innovative 'immortal' ink!

ROHAN TANKSALE, AN ENGINEERING STUDENT OF RAISONI COLLEGE OF ENGINEERING AND TECHNOLOGY HAS INVENTED AN EXTRAORDINARY INK. RATHER WE CAN CALL IT AS 'IMMORTAL INK', WHICH CAN BE USED AS ANY OTHER INK BUT YOU CANNOT REMOVE IT ONCE IT IS PRINTED.

By Gaurav Lakhe

Highly focused research with intermittent use of Internet has brought him the product that can take him to the list of young innovators of the city. Rohan Tanksale, a 22-year-old Engineering student of Raisoni College of Engineering and Technology has invented a very common product, yet it is different than the product available in the market. Rohan has made an extraordinary ink, rather we can call it as 'immortal' ink, which can be used as any other available ink but you cannot remove it once it is printed. Rohan, in an informal talk with 'The Hissardes', shared his experiences in becoming an inventor. Rohan said, "Yes, it is an 'immortal' product. I am using the word 'immortal' because no chemical reaction can help us to remove the ink once it is printed."

Speaking further on the use of his product, rather research, Rohan said that his research can somewhere bring a revolution or can be considered as a new way of communication by using this ink in printing advertisements or normal awareness-creating boards that we generally see on the roadside. A highly excited Rohan turned emotional when he was asked about the source of his research. Rohan feels that the cooperation and encouragement he received from his parents Sunil and Mangala

Tanksale, helped him to start pursuing his dreams and to work on it.

Another major help to Rohan was extended by his college teachers who kept boosting, guiding him during his research, due to which, today, he can proudly claim to be an innovator. Discussing further on Rohan's dream, another interesting thing came out that this energetic youth is not only dreaming, but he is accumulating the proper knowledge to be an industrialist in future. Other than Engineering, Rohan is also pursuing BSc in Industrial Science from an open university so that the day he will jump into the highly professional world, he would be ready with all the required inputs and knowledge.

Notably, an NGO, One Foundation, has sealed its recognition in Rohan's research by placing an order for his ink. Inspired with this and to fulfill One Foundation's requirement, Rohan has added colours in his research by making it available in all colours.

With as much inspiration and achievement, it seems the inventor Nagpurian is ready to send a chill down the spine of the competitive world with his unique 'immortal' ink.



Rohan Tanksale





AGROHUNTERS.....



# Design and Modeling of Wheat Reaping Machine

- ▶ Inventors: Pushparaj R.J., Shubhranshu Shekhar, Punit Agrawal, Swapnil D. Paunikar, Prof. N. P. Awate
- ▶ Application No. 766/MUM/2013
- ▶ Designed machine is Wheat Reaping machine and is used for farming condition in India.
- ▶ Focuses on design of the main cutter of the machine.
- ▶ To run this machine, power transmission system from the engine is employed.



# Design of cost effective EEG System

- ▶ Chinmay Sanjay Chepurwar,  
Sourabh Sunil Borkar,  
Kashmira Vijay Kolte, Alhad  
Vilas Peshwe, Anjali Anil  
Khonde,

Karishma Pawan Chawla,  
Prof. Shubhangi D Giripunje,  
Dr. Amol Y Deshmukh

- ▶ Application No. 1360/MUM/2013

- ▶ Purpose is to detect thought pattern and develop mind controlled appliances.



# Battery and supercapacitor combination in electric bike

- ▶ Nikhil Hatwar, Akshay Junghare, Haren Dodke, Ayush Pushkar, Anurag Bisen,

Dr.M.M.Khanapurkar

- ▶ Application No. 1381/MUM/2013

- ▶ Supercapacitor module provide the high current required during starting and acceleration, and eventually help increasing lifespan of battery.

- ▶ Secondary source, like regenerative braking or a small solar panel module can be availed onboard so as to charge battery/



# Development of gadgets based on understanding of the societal, health, safety, legal and cultural issues

8<sup>th</sup> Maharashtra State Inter University Research Convention  
“AVISHKAR 2013-14” at Jalgaon, from 16-18 Jan 2014

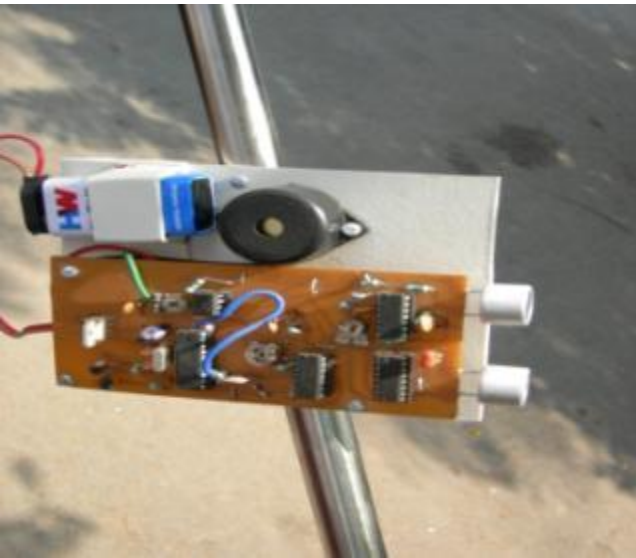
Title : Brain Machine Interface For  
Person With Disability

Secured 2<sup>nd</sup> Prize in Engineering  
and Technology stream under PG  
category among 20 universities.



# Innovative Projects for Community

## OBSTACLE DETECTION FOR VISUALLY IMPAIRED PEOPLE WITH GPS



- Project has been developed using Microcontroller and MATLAB (image processing ).
- Beneficial for visually impaired people
- With this system one gets a brief idea about presence of the obstacle from a distance.
- GPS system support for path indication

Dream Big..Conceive Idea..Be Passionate..  
Become Job Creator..Be Your Own Boss

Thank You