

# THE COMMUNIQUE

BY THE STUDENTS, FOR THE STUDENTS

Issue:4



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**CHANDIGARH  
ENGINEERING COLLEGE**

Building Careers. Transforming Lives.



# CHANDIGARH ENGINEERING COLLEGE

Building Careers. Transforming Lives.

## VISION

To become a leading institute of the country for providing quality technical education in a research based environment for developing competent professionals and successful entrepreneurs.

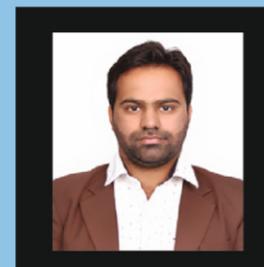
## MISSION

1. To provide state of the art infrastructure and engage proficient faculty for enhancing the teaching learning process to deliver quality education.
2. To give a conducive environment for utilizing the research abilities to attain new learning for solving industrial problems and societal issues.
3. To collaborate with prominent industries for establishing advanced labs and using their expertise to give contemporary industry exposure to the students and faculty.
4. To cater opportunities for global exposure through association with foreign universities.
5. To extend choice based career options for students in campus placements, entrepreneurship and higher studies through career development program.

### CEC IN LIMELIGHT

## From Job Seeking to Job Giving... CEC Successful Entrepreneurs

In line with its mission to create Entrepreneurial culture in the institute and foster growth of entrepreneurship among the students, CEC encourages the young aspiring students to acquire the necessary skills for being a successful entrepreneur. To achieve this, CEC has established an IEDC cell to motivate the students by various means like- organizing competitions on innovative projects and awarding the best ones. As many as 63 students from various departments of CEC have set up their own industries and have made a mark for themselves. We would like to share the professional status of a few of them.



VISHAL  
BATRA

He completed his B.Tech in CSE in 2014 and is the Managing Director of "SSDN Enterprise Wholesale Business", Abohar and is a famous Manufacturer and Exporter of Confectionery products.



HARSHDEEP SINGH

He completed his B.Tech in IT in 2010 and is the Co-founder, Marketing Director of App Technologies, Mohali which works on Mobile Apps for both IOS and Android. In addition, the company also works on web solutions for clients all across the globe. The company has developed more than 300 Apps and has stayed in top 50 Apps in the US market. The company has been considered being one of the finalists for the Good Design Australia Awards.



MANPREET  
KAUR

She completed her B.Tech in IT in 2015 and is the Head of Finix-Post.com, a Delhi based company that writes blogs about lifestyle, reviews, books, fashion, food and career related content.



DEEPANSHU  
CHADHA

He completed his B.Tech in ECE in 2016 and set up his own unit "Sun berry Solar Energy" in Panchkula which produces electricity from Solar power generation. He is the Operation Head of this unit.



MANJOT  
SINGH

He completed his B.Tech in IT in 2006 and now is the Managing Director of "MC Soft IT Solution Pvt. Ltd.", Mohali providing IT solutions to international clients.

## PARIVARTAN 2k16

Parivartan is a mega event of CGC which comes every year with a new social theme and a new idea to move on with the changing times. Thousands of students and young professionals from various premiere schools and colleges of Punjab participate enthusiastically in this wonderful show of technical, non-technical and cultural events. The theme of Parivartan 2016 was in line with our national objective "Start Up India, Stand Up India". The aim of this drive was to boost self-employment and wealth creation so as to build up a strong nation.



## MOU with Eureka Executed

A Memorandum of Understanding (MOU) was executed between the Director Eureka Electro Soft Solutions (EESP) Private Ltd. Mohali and Director Principal CEC ON 23rd November 2016. As per the MOU, both the parties agreed to contribute their efforts and resources towards important projects like planning and setting up of Labs for M.Tech courses, providing consultancy and conducting Faculty Development Programs. They also created guidelines for technical transfer and knowledge upgradation of the students. . Mr. Gurmeet Singh, Director EESP and Dr. B Pattnaik, Director CEC signed the MOU in the presence of Dr. Ruchi Singla, HOD, ECE and Dr. Harpal Singh, Professor in the Department of ECE.



## Autonomous Science Vehicle Containing Integrated Wireless Sensor Network

Autonomous science vehicle is designed to measure atmospheric conditions including temperature, pressure, latitude, longitude (GPS location), as well as camera and video of location in real time. The container and glider are made up of ABS material having compact size and weight less than 500 gm. The wing design of glider use unfolding mechanism which is controlled self release and forced mechanism controlled by embed microcontroller having DC external power supply. Therefore major purpose of designing science vehicle to reflect various aspects of real world missions including telemetry requirements, communications, and autonomous operations.



By-Dr.Paras Chawala  
ECE Department

## Expert Lecture on Environmental Pollution

An expert lecture was organized by the department of ME on the topic, " Effects of Environmental Pollution on Human Body." Dr. L C Singal, Associate Professor, Mechanical Engineering remarked that Environmental pollution is one of the greatest challenges the world is facing today. He elaborated on the six basic types of pollution i.e. air, water, land, soil, noise and light and shed some light on their negative impacts on human's life. In addition, he also discussed numerous methods that can be employed to reduce pollution in air, soil and water by encouraging the use of solar power, reducing fossil fuels and cutting down on the extensive use of air conditioners, refrigerators and other CFC producing gadgets.



# Editorial

Dear Reader

I appreciate the marvelous piece of creative work being done by the students for the News Magazine. I congratulate each one of them and hope they will continue to work with the same zeal and interest in future too.

This News Magazine is an ideal medium not only for reporting of college activities and achievements on a regular basis but also serves to build up the image of the institute in the long run. The quality of education being imparted in any engineering college is judged by a number of parameters like campus placements, successful entrepreneurs, research projects, patents, qualified faculty, cultural and sports activities besides availability of labs and good infrastructure. CEC has a commendable record on all these parameters.

The current 4th issue of the News Magazine covers the most inspiring success stories relating to CEC alumni who have either been recruited by the top ranking MNCs or are self-employed and having flourishing business of their own. The foundation of such a huge success which required good technical knowledge, self-confidence, and impressive personality and entrepreneurship skills was indeed laid during their college days. These CEC students of yesterday are now the role models for our young and aspiring engineers of tomorrow. I also congratulate the faculty members of various departments for receiving awards for their patents and research work in different areas of Science and Technology.

Dr. B Pattnaik  
Director Principal CEC  
Editor in Chief



Dear Readers

This News Magazine has provoked a new horizon of thoughts and expressions among the students besides sharpening their creative talents. In addition it also serves as an opportunity for the students to get the knowledge of new vocabulary and the skills of writing and designing etc.

In the current issue, we have tracked the career path followed by a number of CEC alumni who are at present doing well either as successful entrepreneurs or are placed in top ranked MNCs to set an example for the budding engineers of CEC to follow suit. The involvement of students in the extracurricular activities during this period was kept at low ebb in order to spare ample time for them to prepare for their final university examination.

I firmly believe that there is a pool of hidden talent among our students. I take this opportunity to appeal to them to come forward to join this students' venture in order to contribute towards their own News Magazine so as to make it more student friendly and interesting too.

Satvinder Bakshi  
Assistant Professor  
Applied Sciences  
Editor

## CEC STUDENTS CRACK MICROSOFT INTERVIEW

RomaanZahoor (CSE), Gagandeep Bhullar (ECE), Piyush Thakur (IT) share their experience.....

### 1. What preparations had you made for the interview?

**Romaan:** It is a long term preparation of knowledge and expression. An intensive training regime just before the starting of placement season refining your already possessed skills for the corporate requirements.

**Gagandeep:** One needs thorough knowledge of one's respective stream and subject knowledge of computer languages such as C/C++ and troubleshooting of computer. Proper classes were organized by our college for the preparation.

**Piyush :** Staying up to date on all recent trends in the world of technology and polishing my communication skills to have a better impact on my Interviewer.

### 2. What did the interviewer ask you during the interview?

**Romaan:** My technical interview lasted for an hour and Managerial Interview for more than 90 minutes. In such a span of time, the interviewer churns out everything that you have ever done in your life. However, with the right set of skills, an interview can be manipulated into more of a discussion.

**Gagandeep:** I had two technical interviews, In the first technical round, I was asked to introduce myself .and then a few questions about operating system like what is scheduling, memory management techniques, difference between kernel mode and user mode etc .Then he asked me about microprocessors and microcontrollers and their instructions. Then I was asked to explain my project. \*You should know everything about your projects, their components and troubleshooting of each component.

**Piyush:** Operating systems, Networking and the programming language you have proficiency in, is something you have to be prepared for fully. Rest you need to have as much information about Microsoft as you can. Their recent acquisitions, latest products, future technologies they are working on, everything.

### 3. Do you believe in hard work or smart work?

**Romaan:** Smart work is to accomplish a task in a very efficient manner which can be attained only by working very hard over a long period of time. I believe, work hard to achieve smartness in your work.

**Gagandeep:** I personally feel there should be a combination of hard work and smart work. Smart work may finish your work quickly but you will be deprived of the knowledge associated with that work. So always try to know the basic overview of what you are doing or studying and then device some smart ideas using your knowledge for finishing your work quickly.

**Piyush :** SMART WORK, always.



## Which Programming Language To Learn In 2017?



A lot of people crave about learning new programming languages. There are a lot of things that need to be taken into account before making a decision, especially when it comes to which programming language you should learn.

One of the easiest ways to decide between which programming language to learn for 2017 is by listening to the market. The market will definitely tell you what the trending programming languages for the future will be.

Research shows, these are the programming languages you should be focusing in 2017:

**JavaScript, Ruby, Elixir, Rust, Swift**



### System and Method to Detect Misplaced Devices inside the Premises

DR. SHASHI BHUSHAN  
Professor and Head  
Department of  
Information and Technology

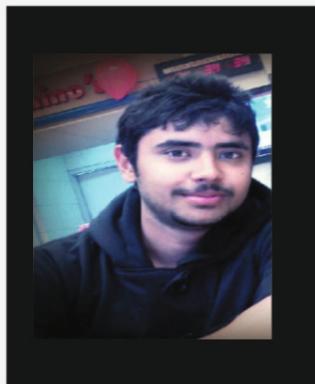
To reduce the time to find electronic gadgets especially smart phones, phablets & tabs or valuables which are misplaced, lost accidentally, intentionally put ON the airplane mode or switched OFF. This invention includes two hardware devices/electronic circuits and one computer Application which operates on the device. One hardware device integrated with the device (or separately attached as in case of valuables), which user wants to spot and other device called the remote. This invention will help us to trace our gadgets whenever gadget is accidentally put on airplane mode or the gadget is switched in OFF mode. Remote will be used to send the radio signal which will therefore activate the application and the hardware components of the mobile phone, if it is in the range of remote and having battery backup.

Prof. Dr. Amit Verma has been conferred upon the "Bright Researcher" honor and award for his outstanding contribution in research in the field of Computer Science and Engineering at NITTTR, Sector 26, Chandigarh on 2/Dec/2016 in an International Conference on Interdisciplinary Research for Sustainable Development (IRSD 2016), held on December 1-2, 2016. The conference provided a valuable platform for Researchers, Academicians, Managers, Environmentalists, Educationists and Entrepreneurs to congregate and share their findings, ideas, scientific knowledge and new techniques/applications about latest developments in their respective domain for Sustainable Development. The conference also recognized and appreciated the excellence in research and academics by conferring award and honour. The dignitaries from ISRO, IIT Bombay presented the award.



DR. AMIT VERMA  
Professor and Head  
Department of  
Computer Science and  
Engineering

I was once told if you would not like to be forgotten as soon as you are dead, either write things worth reading or do things worth writing. Things were different 3.5 years back when I was a school lad who joined college. The college has great diversity of students in talents, belonging to different places, different attitude. I saw my fellow mates pursuing their passions. So this inspired me to follow up mine. This all began with innovations, I love to innovate things and filed my first invention as a patent under Government of India and was announced prize money by Department of Science and Technology, India to take this invention further. It was never a full stop there and back to back, I filed six Patents in total. There are many competitions which are being held national and internationally, so I got to design a satellite for NASA, under the famous competition - CANSAT 2016. Then the placement season came everyone was working hard as this was the only thing we all joined this college for. My first interview was in TATA Technologies and I got placed as a Design Engineer but there is no bar to how much we can grab and soon I got placement in another company - Industry Arc. My success story owes to this college a lot more than I can compress in this paragraph. I would like to say that after climbing one great mountain one only sees that there are many more to climb.



Gaurav - ME

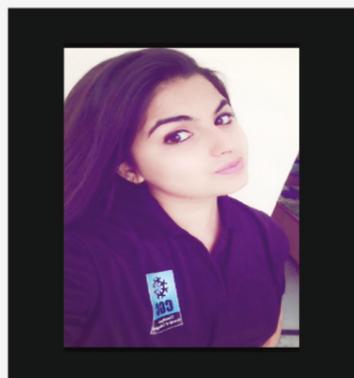
Like every other student, I was very excited when I joined the college. Initially, I was a shy and introvert girl and now I am a confident and expressive girl. The whole credit goes to my entire college experience. I was the kind of person who used to fear any kind of public speaking and expressing my opinion in any matter. Soon, I came to realize that my shyness will not get me anywhere. Our TPP training teachers and seniors emphasized the importance of good spoken English and the impact it had on placements. Thus, began my transformation. College gave us lot of opportunities to enhance our public speaking by giving us communication skills classes, conducting group discussions and personal interviews and incorporating presentations in our theory subjects. I took advantage of these opportunities and was able to gain confidence in speaking publicly. I liked the change I saw in myself. I got placed in 3 companies in the college placement drive : Sapient Global Markets, Hitachi Consulting, Hewlett Packard Enterprise.



Tanmai Joshi - IT

My college life was indeed the turning point in my life as I got to know about myself clearly and all I needed was a platform to show my skills and today I can say proudly that I would not have got a better platform than Chandigarh group of colleges, Landran. My four years of B.Tech have transformed me from a student to a professional. The students get the best of opportunities in the form of highly advanced courses, qualified faculty members, well-equipped laboratories, library, hostels and immense facilities to facilitate research and development. It imparts training for students to make them competent and motivated engineers. The efforts and the hard-work paid off well, as I got selected in Six Multi National Companies "John Deere", "Hewlett Packard Enterprises", "Tech Mahindra", "Capgemini", "Cognizant", "Mark Software".

I gave my first interview in Cognizant and felt quite scared and nervous before the interview but when I started giving the interview my confidence level built up and with that confidence I cleared all my further interviews.



Gagandeep - CSE

## CEC BOYS PROVE THEIR METTLE IN PHYSIQUE and STRENGTH

The students of CEC won laurels at the IKG PTU Inter College Championship 2016-17 for the best Physique, Power lifting and Weight lifting events held at CGC Campus from 4th to 6th November 2016. A total of 8 colleges from the Northern region took part in this battle of Physique and Strength.

### WEIGHTLIFTING

Vedant and Sahil Gandhi from ME, Mohit and Gurjit from ECE were awarded Gold Medals for their weight lifting skills under the weight category of 62, 85, 94 and 105 respectively. Ravish Kumar and Jatin Sharma, both from Mechanical bagged a Silver medal each under the weight category 62 and 105 respectively. Tapish from ECE won a Bronze under 85 weight category.

### BEST PHYSIQUE

Best Physique was classified under 60 Kg, 65 Kg, 70 Kg, 75 Kg, 80 Kg, and 90 Kg, categories. Tushar Kaushik, a student of CSE 3rd year bagged Gold Medal for the best physique in the 70 Kg, category whereas Siddharth Singh from the department of ECE won the silver medal in the 90 Kg, category. In addition, Gurdeep Singh from the department of Mechanical was placed in the 3rd position under 65 Kg, category and got a Bronze medal.

### POWERLIFTING

Gurdeep Singh from ME, Harsh Dogra from ECE and Mohnish Sharma from ME were adjudged the best for various power lifting activities which included Body weight, Squat, Bench press and Dead lift under 59 Kg, 93 Kg and 105 Kg Body weight categories respectively. All three were awarded Gold Medals for their outstanding performance in Power lifting. Ravish from ME and Mohit from ECE bagged the 2nd place and won Silver medals under the weight category of 59 and 93 respectively. Both Sahil Gandhi and Umang Sharma, students of Mechanical got Bronze medals under the weight category of 105 and 120 respectively.

## Sahil Set to compete in Football National Championship

Sahil Sharma, a student of CSE 1st year has a great passion for the game of Football. After playing twice at the state level, he was selected in the trials to play for Football National Championship. His earlier significant achievements include 1st position in the State level and 3rd position in the National level Football competitions held at Panipat and Jaipur respectively. Sahil is very much excited to compete in the National Football Championship scheduled to be held early next year.



# Happiness

Happiness is a state of mind;  
It sparkles when the world is kind.  
But sometimes sorrow enters in;  
And spoil the joys that are within.  
Each of us has his day;  
When all world looks dark and grey.  
But when we know that God's about;  
We'll have no more fear or doubt.  
Happiness can be a little thing;  
That makes us glad and wants to sing.  
It can come in mighty form;  
To keep our life forever warm.

**Avinash Verma**  
ECE 5th Sem

# Attitude

Attitude is a way of life. Every day we make a choice regarding the attitude we embrace for that day. We cannot change our past, we cannot change how certain people think and we cannot change what's inevitable.

Attitude determines the outcome; this is accepted by most of the successful people in the world. Whether it is a doctor going for a surgery or a businessman launching a new venture. It is attitude that provides them a winning edge. Thus a correct, wilful and positive attitude is a key to success.

Attitude reflects behaviour. One's behaviour towards others determines others' behaviour towards him. If one smiles at others, the others might smile back, while if one is hardnosed with others, than others are likely to snap at him.

Man is the master of his own destiny. He very well knows how to manipulate his grief and happiness. By having a positive outlook, we can easily overcome our grief and pursue happiness.

**Chinmay Makker**  
ME 2nd Sem

# Amazing Clicks



People are just as wonderful as sunsets, if you let them be. When I look at a sunset, I don't try to control it, I watch with awe as it unfolds.

Life makes us suffer at times, if we cruise through such moments and look forward to the light that the day brings; the darkness that has crippled our mind can be fought and defeated.



**Abhilash**  
ECE 2nd Sem

# Paper Presentation by Dr. Vasishth

Dr. Ajay Vasishth, PhD in Physics, Professor and Head, Department of Applied Sciences, Chandigarh Engineering College participated in the International Conference on "Technologically Advanced Materials & Asian Meeting on Ferro electricity" held at New Delhi from 7th to 11th November 2016.

Organized jointly by the University of Delhi and the "Society for Technologically Advanced Materials of India, this 5 day conference provided the much needed platform for over 500 delegates from across the world to deliberate and understand the scientific and academic impact of the new materials in order to pave way for the researchers to develop hi-tech devices for future use.

Dr. Vasishth presented two scientific papers on, " Investigation of Room Temperature Ferromagnetic Behavior in Dilute Magnetic Oxide " and "To study Tungsten Bronze Ferroelectric Ceramics as an Electrically Tunable Devices" in this Conference which were accepted and published in the Abstract Book of the Conference.



The MAGNUM Dance group of CEC presented a very mesmerizing and emotional performance in the form of a western dance to depict the most challenging life of the soldiers of Indian army who are always ready to sacrifice their lives for the sake of their country. A total of 9 groups from various colleges participated in this Dance Competition held during the Landran and Jhanjeri fests celebrations. The CEC dance group stood 2nd in both the competitions.

Educational programs in foreign universities for the current session are available for CEC students. Interested candidates should contact the Department of International Affairs through their Department Coordinator.

## Editorial Team

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