



NEXUS

April 2016

Words from HOD

"It's a great pleasure to bring out the second issue of the newsletter of ECE department. Newsletter reflects the awareness, achievements, aspirations and intellectual enthusiasm of the students.

We are committed to achieving excellence in nurturing engineer leaders with the in Genuity to provide innovative and bold solutions to the global challenges and the competent man power for the profession. I feel extremely delighted to put in record through the columns of newsletter due to commendable jobs done by the students and faculty members of the editorial board. I congratulate the team of students and faculty of ECE department and wish successinally our future endeavors."

Mrs. Swati Gupta

HOD,ECEDepartment

Editors

Mrs. Anupama Gupta
Assistant Professor
ECE, PIET

Mrs. Navjot Kaur
Assistant Professor
ECE, PIET

Vision

To excel globally in technical education through research, innovation and consulting in the field of Electronics and Communication Engineering and thus contribute to the larger good of the society.

Missions

M1	Establish a unique learning environment to enable the students to face the ever-emerging challenges in the field of Electronics and Communication Engineering.
M2	To equip the students with a broad intellectual spectrum in order to prepare them for diverse and competitive career path.
M3	To increase the visibility of academic programs globally, attract and nurture talent at all levels.
M4	To provide practical oriented education and foster research tie-up with national/ international education institute, research bodies and industry to promote the intellectual and research pursuits of students and faculty
M5	Provide ethical and value-based education by promoting activities addressing the societal needs

PEOs

PEO1	To provide comprehensive knowledge of electronics and communication engineering and related subjects for professional development, advanced education and develop entrepreneur skills.
PEO2	Be receptive to new technologies and attain professional competence through advanced degrees, professional societies, publications and other professional activities.
PEO3	To develop the ability to demonstrate technical competence in the field of electronics and communication engineering by teaching new and advance courses and provide an environment for technology related research.
PEO4	To impart value-based knowledge and enable the students to practice profession with ethics and a sense of social responsibility by making them more aware of contemporary issues



Aman

Talent 4Assure

2.4LPA



Bhawna

Talent 4 Assure

2.4LPA



Diksha

Talent4Assure

2.4LPA



Pallavi

Talent4Assure

2.4LPA



Madhur

Think&Learn

6.15LPA

Campus Placements

**Dreams
+ Work
= Success**



Akshay Tulli

Talent4Assure

2.4LPA



Arsh

Talent4Assure

2.4LPA



Vrinda

Talent4Assure

2.4LPA



Durr-E-Shahwar

Think&Learn

6.15LPA

Research Publications

- Kavita Dayal, Satish Saini, "Energy Efficient and Secure Routing Protocol for Wireless Sensor Networks" *IEEE International Conference on Communication System and Network Technologies (CSNT)*, Chitkara University, Chandigarh India, March 2016.
- Lipika Ahlawat, Satish Saini, "PAPR reduction in OFDM using firefly optimized PTS" *IEEE International Conference on Communication System and Network Technologies (CSNT)*, Chitkara University, Chandigarh India, March 2016.
- Lipika Ahlawat, Satish Saini, "PAPR Reduction on MC-CDMA: A Survey" *International Journal of Recent Research Aspects IJRR* ISSN:2349-7688, vol.3, no.1, pp 8-11 March 2016.
- Ritika Madan, Satish Saini, "A Review on Various Approaches for Image Enhancement" *International Journal of Advance Research in Science and Engineering*, vol. 05, no. 03, March 2016.

Holi Celebrations

Every year the festival of Holi brings cheer and colours of happiness in our lives. The students and faculty of ECE enjoyed Holi in joyous spirits on 12 March 2016. The fervor of celebration in students was seen in their dance steps and exchange of beautiful colors.



The faculty members along with respected Sh. Rakesh Tayal and Director Sir Shri K.K. Paliwal matched in to the tunes of the dance beats and the furling of beautiful colors.



Start your career in blogging and become your own boss



Harsh Aggarwal was just another software engineer who just started blogging just out of fun in September 2008. And then he earned his first income of \$10 by helping another blogger.

Harsh started in 2008, and today he is famous on web & earns up to \$20000 per month. With over 432,000+ readers globally, he is a well-known blogger on the globe. Not only this, he also has an official app on Google play store and app store.

From old way to your way

In this ever-growing world, people have become much more creative and are looking for new ways of making money. They prefer to follow their passion instead of going for regular jobs. Sometimes hobbies become career. They want to reach out to large audiences and extend their networks.

If you have that much creative part in you, then blogging is right place for you to express yourself. Wordpress has become a phenomenon lately. More and more people are getting out of their daily jobs to become a blogger.

BLOGGING AS A CAREER OPTION



Harsh Agrawal



Ashish Sinha



Arun Prabhudesai



Wordpress allows you to go all out and display your imagination. To start with, just visit www.wordpress.com. Start your own blog, website around a certain theme, express yourself or showcase your talent in Tech blogging, literature and share it with world.



Wordpress is a platform leading to several other higher platforms. As a beginner wordpress is the first choice to start. So what are you waiting for?

You can earn money by blogging using one of the ways:

1. Either you can show ads on your blog. Companies pay you for showing their ads.
2. Sell informative things like e-books etc.
3. Referring to other websites like flipkart, snapdeal etc. You will get commission for each click on that link.

Top blogging platforms

1. **Wordpress:**www.wordpress.com
2. **Blogger by Google:**www.blogger.com
3. **Weebly:**www.weebly.com (The site libraryhans is based on weebly!)

Top earning bloggers in the world

1. **Michael Arrington** (\$500,000-\$800,000 per month)
He is founder of *TechCrunch*, one stop destination for tech news.
2. **Gina Trapani** (\$10,8000-110,000 per month)
She is the highest earning woman blogger. She is the CEO and founder of *Lifehacker* which encourages people to share tips and ideas to make life easier.
Career as a blogger is extremely bright and powerful, provided that you have talent inside, strong internet outside and a couple of thoughts to express.

Written by

Rahul

(Student by nature, blogger by profession)

Proud owner of blog [Techohlic](http://www.techohlic.com) (www.techohlic.com)

3D Printed Organs

3D printing has continued to grow as an industry, with sophisticated use-cases making headlines. In addition to 3D printing computer parts, trinkets and gadgets, the medical world has also benefitted from the 3D engineering advancements, especially with respect to regenerative medicine. Tissue engineering has made it possible to 3D print human organs, and scientists at Wake Forest Baptist Medical Center were able to use a custom designed 3D printer to create ear, bone and muscle tissues. These organs have been successfully implanted in animals and have matured into functional tissues that work correctly with the existing blood vessels. While it's still early in the research process, these initial findings prove that 3D printed tissue could ultimately be used in humans for surgical implantation. This engineering innovation can also minimize the reliance on donated tissue. The Integrated Tissue and Organ Printing System were developed to print the needed organs. It uses biodegradable, plastic-like materials to form the tissue and then water-based gels to make the cells. The printing process won't harm the cells and provides housing for the cells to grow. The organs printed with this 3D technology can be customized for each patient using MRI and CT scans. While more tests and studies are needed to determine the long-term effects of 3D-printed organs, this technology is an exciting step into the future of engineered healthcare solutions.

Er. Arun

Rana Assistant Professor

essor