



NEXUS 2.0

Volume 2

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 ingenuity to provide innovative and bold solutions to the global challenges and the competent manpower 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 success in all your future endeavors."

Mrs. Swati Gupta

HOD, ECE Department

Editors

Mrs. Anupama Gupta
Assistant Professor
ECE, PIET

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Assistant Professor
ECE, PIET

Campus Placements



Aman

Talent 4 Assure

2.4 LPA



Bhawna

Talent 4 Assure

2.4 LPA



Diksha

Talent 4 Assure

2.4 LPA



Pallavi

Talent 4 Assure

2.4 LPA



Madhur

Think & Learn

6.15 LPA

Dreams
+ Work

= Success



Akshay Tulli

Talent 4 Assure

2.4 LPA



Arsh

Talent 4 Assure

2.4 LPA



Vrinda

Talent 4 Assure

2.4 LPA



Durr-E-Shahwar

Think & Learn

6.15 LPA

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 IJRRRA 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 Tayaland 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 a official app on Google play store and app store.

From old ways 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



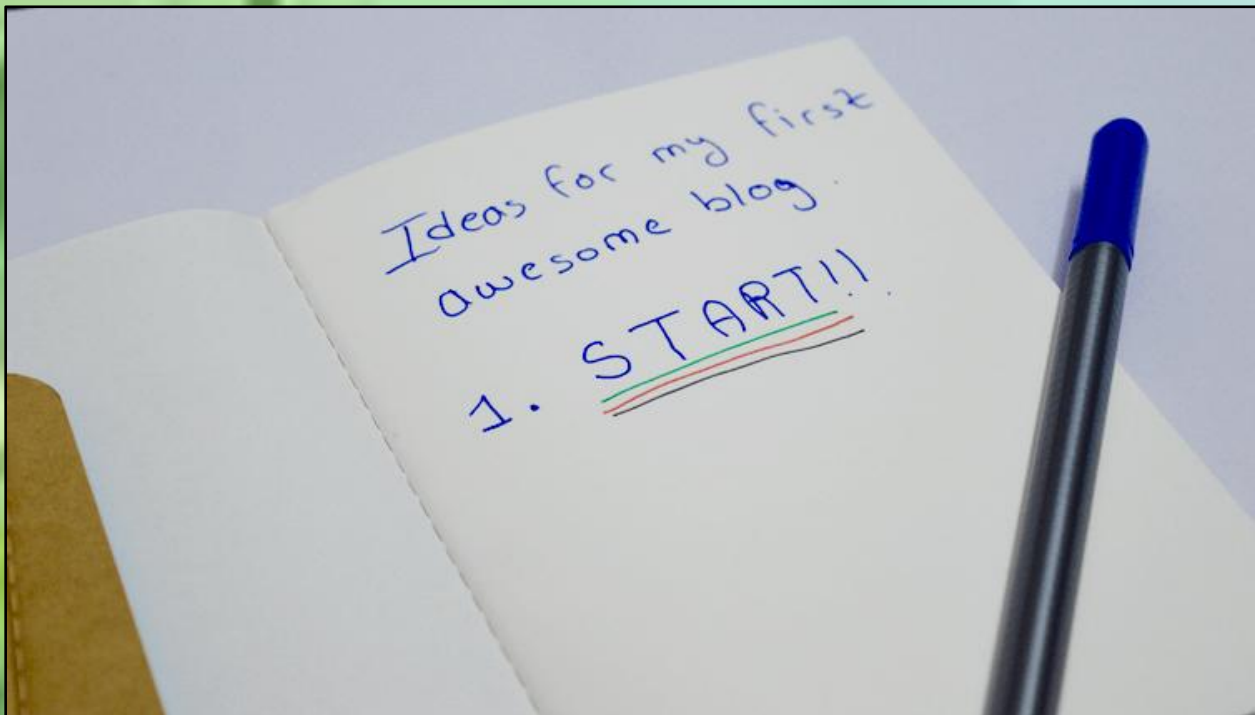
Ashish Sinha



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 ebooks 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** (\$ 500000-\$ 800000 per month)
He is founder of *Techcrunch* , one stop destination for tech news.
2. **Gina Trapani** (\$10,8000-110000 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 \(www.techohlic.com\)](http://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