

# P. I. E. T.

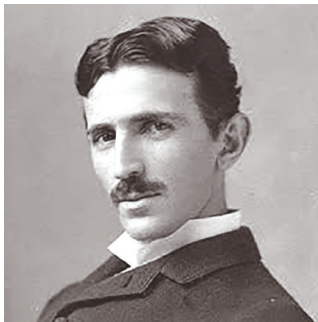
DEPARTMENT OF CSE

Presents Monthly Newsletter

## CSE MESSENGER

### VISION

Department of Computer Science and Engineering aspires to be recognized universally as a promoter of computer technology and its applications and socially relevant research pursuits.



*The present is theirs, the future for which I really worked is mine. –*

**Nikola Tesla**



*Climbing to the top demand strength, whether it is top of mount Everest or to the top of careers.*

**– APJ Abdul Kalam**

### MISSION

**M1.** Develop competent professional with analytical skills and independent thinking through excellent education for productive career in industry, academics and as entrepreneurs.

**M2.** To enhance theoretical, experimental and applied skills of faculty and students in Computer Science through nationally and internationally recognized and socially relevant research.

**M3.** Continuously improve physical and academic infrastructure.

**M4.** Create nurturing environment for life-long learning skills.

DEPARTMENT OF CSE

Monthly News Letter

# CSE MESSENGER



## INSIDE THIS NEWSLETTER

Chairperson's & HOD's Message	Page 3
From the Editor's Desk	Page 4
SOT-2	Page 5
Virtual Lab Workshop	Page 6
Short Term Course	Page 7
Art Attack	Page 8
Android Application Development Workshop	Page 9
Technical Article	Page 10-12
Industrial Visit	Page 13
Achievements	Page 14
Alumni Speaks	Page 15-16
Calendar of March	Page 17

## EDITORIAL TEAM

### **Faculty Editor:**

AAKANKSHA MAHAJAN,  
Assistant Professor, CSE

### **Student Editor:**

SANA BHATIA, 2nd year, CSE  
NEERAJ KADYAN, 2nd year, CSE

**DEPARTMENT OF CSE**

Monthly News Letter

# CSE MESSENGER

## CHAIRPERSON'S MESSAGE



Every person has their own individual potential, the only thing you need to do is know your limitless potential and use it for right things. I would like to congratulate all the dear students and faculty members for an amazing month with numerous occasions where we got to know more about our students and teachers. You are all unique and wonderful.

*Dr.S.C. Gupta, Chairperson, CSE/IT*

## HOD'S MESSAGE



I would like to congratulate the CSE Department for their newsletter. This newsletter not only makes you aware about the events and various activities in our department but also connects each and every person. I appreciate everyone for their tremendous efforts.

*Dr. Vikram Bali, HOD, CSE*

DEPARTMENT OF CSE

Monthly News Letter

# CSE MESSENGER

## FROM THE EDITOR'S DESK

### FROM FACULTY EDITOR:



The bond between a mentor and a disciple is the most beautiful thing in this world. We really worked hard for this newsletter and I would like to appreciate everyone for their mind blowing efforts. I would like to request the readers to have a joy of reading this newsletter and request you to send me any queries or suggestions regarding this to my mail.

Mail Id : aakanksha.cse@piet.co.in

### FROM STUDENT EDITORS:

We would like to congratulate our department for a great month. Firstly , we would like to thank all the people who have helped us through the making of this newsletter. This has been a great and wonderful experience. This semester has been full of successful events and many others amazing things . Please get a glimpse of our newsletter and see what we have done so far.

Thankyou.



SANA BHATIA, 2nd year, CSE



NEERAJ KADYAN, 2nd year, CSE

*At First They will ask why you doing it,  
later they will ask how you did it.*

DEPARTMENT OF CSE

Monthly News Letter

# CSE MESSENGER

# CSE MESSENGER

## SOT-2



Surprise open test - 2 was conducted on 16th february by the CSE department to check the practical and theoretical knowledge of students..The test was conducted in the net cafe under the supervision of our faculty members..Students got to know their scores right after their test on their computer screens.

*Success is not final, failure is not fatal; it is the final courage that counts.*

DEPARTMENT OF CSE

Monthly News Letter

# CSE MESSENGER

# CSE MESSENGER

## workshop on *VIRTUAL LABS*



The workshop on virtual labs was successfully conducted by Mr. Prateek Sharma and Mr. Aashish Ranjan, IIT, Delhi on 3rd February. Nearly 350 students from CSE Dept. were present in the workshop.



The objective was to provide remote access to labs in various disciplines on Science and Engineering.

It will provide complete Learning Management System where students can avail various tools like web-resources, video lectures, animated demonstrations and much more.

The event was attended by Dr. J.C. Sharma, Former Senior Scientist, NPL.



*Your mind is a powerful thing, when you start to fill it with positive thoughts, your life will change.*

## DEPARTMENT OF CSE

Monthly News Letter

## CSE MESSENGER

**SHORT TERM COURSE ON  
CYBER CRIME AND  
FORENSIC TOOLS**

A National Level 5 day STC (ITCBased) on “Cyber Crime & Forensic Tools” was organised by CSE Dept. in collaboration with NITTTR, Chandigarh.

Prof.C.Rama Krishna (NITTTR, Chandigarh), Dr.Rakesh Kumar (NITTTR, Chandigarh), Mr. Amrendra Sharan (NITTTR, Chandigarh) and Er. Saurabh Kaushal (NITTTR, Start-Up Head), Dr.Gaurav Kumar (CEO, Magma Consultancy, Ambala), Mr.Vipin Gupta (Director, U-Net Solution, Moga) delivered the expert lectures.

Various topics like Symmetric & Assymmetric key cryptography, XSS Scripting, Secure Coding, Obfuscation, and Captcha for Web Security, Reverse & Bind Shells Information Gathering were covered in the 5 day programme.



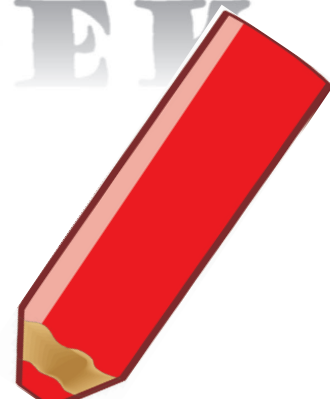
*Confidence and hardwork is the best medicine to kill the disease called failure.*

## DEPARTMENT OF CSE

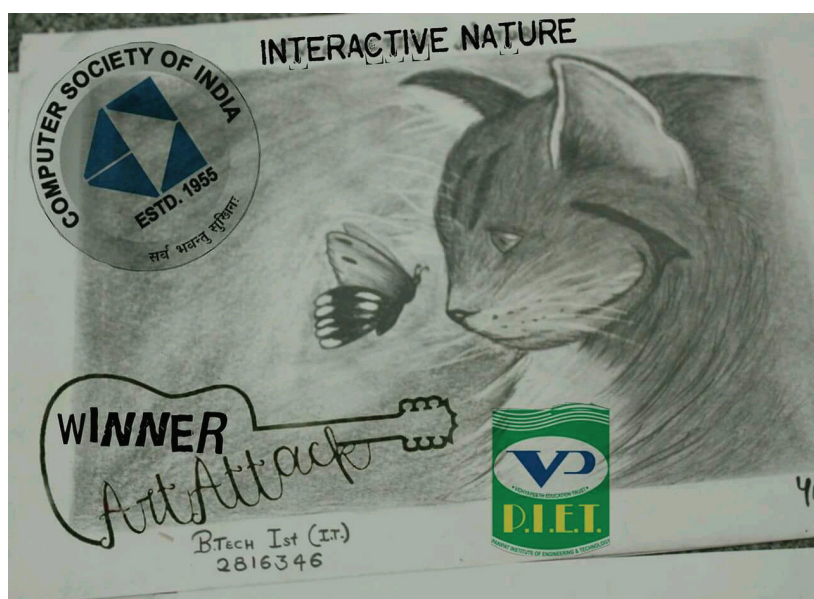
Monthly News Letter

## CSE MESSENGER

## ART ATTACK



This event was organised by the Team CSI of our college on 10th February. The volunteers from CSE Dept. gathered all the participants in the EGD hall. Around 80 students participated and among them 10 winners were shortlisted. The theme was "Trace your Imagination". The winner of the competition was Yash from B.Tech 1st year. The judges were Dr. B. B. Sharma, Dean, Mr. Yoginder Kataria, HOD, BBA, Ms. Priyanka Sehgal, HOD, MBA and Dr. Sukhwinder Singh, HOD, MCA and Dr. Vikram Bali, HOD, CSE.



*The best way to predict the future is to create it.*



DEPARTMENT OF CSE

Monthly News Letter

# CSE MESSENGER

## ANDROID APPLICATION WORKSHOP



A workshop was organised by CSE Dept. on the basic features and development of Android. It started with the basic concepts of object oriented language (Java) used in Android App Development. After that introduction to android IDE, android project structure was discussed by Mr. Shiraz Khurana. First app that was developed in the workshop was calculator app. Then workshop proceeded with how to manage and launch them. Other apps that were discussed and developed were app for playing music, opening camera, open a dialer, opening browser, clicking photos.

*We should not give up and we should not allow any problem to defeat us.*

## DEPARTMENT OF CSE

Monthly News Letter

## CSE MESSENGER

CSE MESSENGER

TECHNICAL

ARTICLE



**ANKIT MOR**  
**2013-2017 BATCH**

In recent years the practice of Android rooting, that is the process of allowing an Android phone or tablet to bypass restrictions set by carriers, operating systems or hardware manufacturers, has become increasingly popular. Many rooting methods essentially operate by launching an exploit against a vulnerability in the Android system. Due to the fact that Android systems are so diverse and fragmented and that Android systems have a long update cycle (typically due to the hold time at mobile carriers), the window of vulnerabilities is typically very large. This creates the opportunity for business of offering root as a service by many companies, but at the same also creates opportunities for attackers to compromise the system using exploits.

**DEPARTMENT OF CSE**

Monthly News Letter

**CSE MESSENGER**

Rooting comes with plenty of advantages. With full control of the device, users can do everything from removing unwanted pre-installed software, enjoy additional functionalities offered by specialized apps and run paid apps for free. But, it also comes with potential significant disadvantages. In a first-of-its-kind study of the Android root ecosystem, researchers set out to (1) uncover how many types and variations of Android root exploits exist publically and how they differ from ones offered by commercial root providers and (2) find out how difficult it is to abuse the exploits. They found that few of the exploits could be detected by mobile antivirus software and that are systematic weaknesses and flaws in the security protection measures offered by commercial root providers that make them susceptible to being stolen and easily repackaged in malware. This is a highly unregulated area found to be abused by malware authors looking to gain access to all kinds of personal information, And, unfortunately, there is not much users can do except to hope that a security update gets pushed out quickly by Google, vendors and carriers, which they usually aren't.

Rooting is a response to that fact that users or mobile phones and tablets are not given full control over their devices. In the Apple and iOS ecosystem, rooting is known as jailbreaking. Focus is on Android because the system is more open and has more developers and models, making it a better area for research. Development of root exploits generally fall into two categories. Individual developers or hackers often identify vulnerabilities, develop and make public exploit tools.

**DEPARTMENT OF CSE**

Monthly News Letter

# CSE MESSENGER

In addition, there are commercial companies that develop exploits. These take the form of apps, which are typically free, that users voluntarily download and then click on to activate the exploits. This is a really a phenomena in computer history, in which users are essentially voluntarily launching attacks against their own devices to gain control.

Unfortunately, as findings show, attackers can acquire such exploits by impersonating a regular user. To make matters worse, large commercial root providers have a large repository of root exploits, which gives attackers a strong incentive to target such providers. In research, engineers focused on seven large commercial root providers, one of which they studied more in depth. They found that one company had more than 160 exploits, which they subcategorized into 50 families.

That 50 figure is almost double the number of exploits (30) they found publically available from individual developers.

If they are able to do this then hackers can definitely do it too.

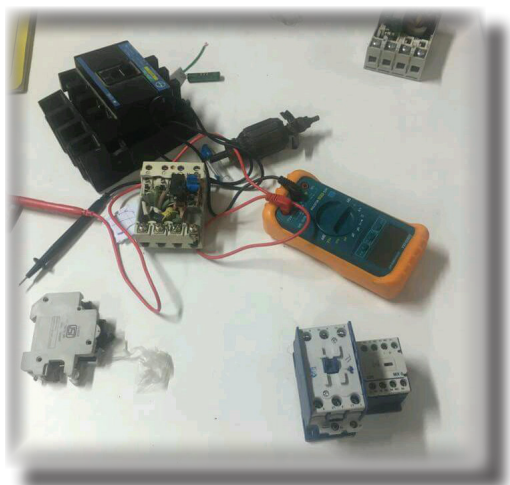
THANK YOU !

DEPARTMENT OF CSE

Monthly News Letter

# CSE MESSENGER

## INDUSTRIAL VISIT



- Various new instruments were there .



- Students of CSE 2nd and 3rd year went for an industrial visit to CSIO, Chandigarh on National Science Day, i.e., 28th February, 2017.
- Around 100 students from our department with faculty members went there.
- Great initiative by Team CSI. .

DEPARTMENT OF CSE

Monthly News Letter

# CSE MESSENGER

## ACHIEVEMENTS



Tarun Gupta and Kritik Malhotra of B.Tech CSE have participated in IT Quiz organised by CSI society in JIIMS, Delhi. They have got certificate of appreciation for the event.

Besides that, they have gained knowledge and have increased their self confidence.

*Your mind is a powerful thing, when you start to fill it with positive thoughts, your life will change.*

DEPARTMENT OF CSE

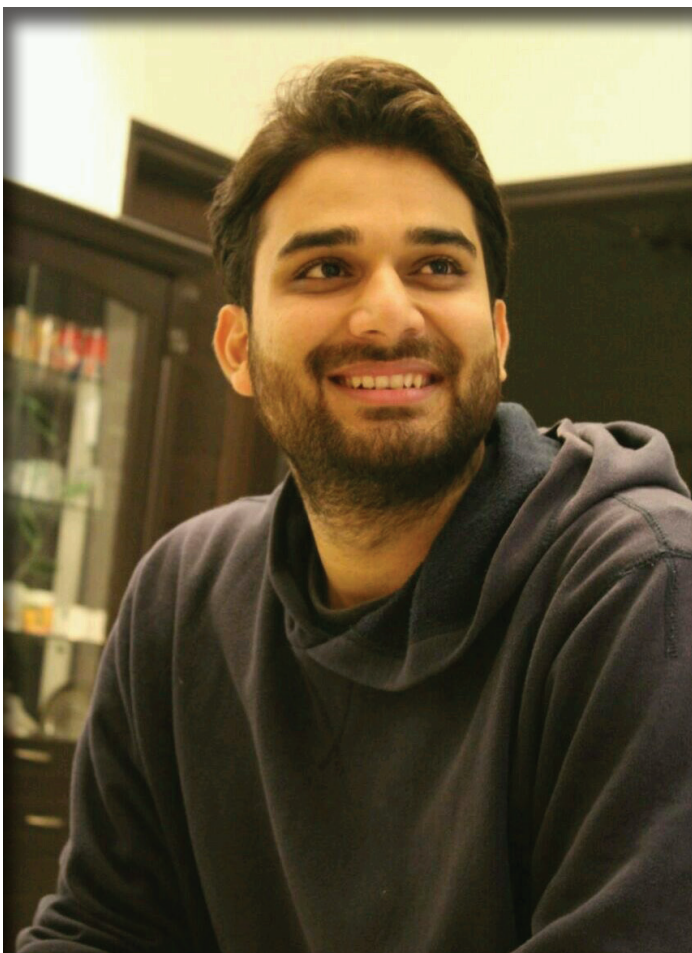
Monthly News Letter

# CSE MESSENGER

CSE MESSENGER

## ALUMNI SPEAKS

---



**YUVRAJ SHARMA**

(2009-2013) Batch

I take it as my privilege to connect with my college as alumni through this write up. Well I find myself all groomed up and ready to face the world after completing my four years span. I joined the college as a boy and came out as a young man with so many dreams. I dedicate this to my teachers and their guidance. The managing committee of this college is so supportive that I feel honored to be a part of this institute. I would like to stay connected with my college and will serve it whenever given a chance.

*Confidence and hardwork is the best medicine to kill the disease called failure.*

DEPARTMENT OF CSE

Monthly News Letter

CSE MESSENGER

CSE MESSENGER

ACHIEVEMENTS OF YUVRAJ SHARMA

**युवा समारोह में पाइंट्स के युवराज शर्मा प्रथम**

पानीपत, 4 मार्च (भा.प्र.) : सिद्धिविनायक शैक्षणिक संस्था यमुनानगर में कुच्छेत्र विश्वविद्यालय द्वारा आयोजित साहित्यिक विधाओं पर आधारित 5 दिवसीय अन्तर्देशीय युवा समारोह को आयोजित किया गया।

इस पूरे आयोजन का नेतृत्व कु.वि. के युवा कल्याण विभाग के निदेशक अनूप लाल ने किया। इस समारोह में संस्कृत, हिन्दी, पंजाबी, अंग्रेजी व उर्दू भाषाओं पर आधारित भाषण एवं कविता पाठ प्रतियोगिता का भाग आयोजन किया गया। इस साहित्यिक अभियान में पहले 3 दिन एक-एकवार लगातार साहित्यिक विधाओं पर आधारित भाषण व कवियों के द्वारा विश्वविद्यालय के सभी कलेजों से आए असंख्य प्रतिभागियों को वक्तव्य एवं काल्पनिक और अंतिम 2 दिनों में फ़िनल-2 अंतर्देशीय प्रतियोगिताओं का आयोजन किया गया। इस अवसर पर बंबई से कवि गंधी तथा कुच्छेत्र विश्वविद्यालय से डा. रणवीर सिंह व डा. महवीर रावजी मुख्तार का गौरव बढ़ाया।

इस उपलब्धि के लिए पाइंट्स कालेज के महानिदेशक राकेश व सांस्कृतिक कार्यक्रमों की प्रभारी पूजा बलिवा ने भी इस मेधावी छात्र को हार्दिक बधाई देकर अपनी शुभ कामनाएं दीं।

**भाषण और कविता में विद्यार्थियों ने दिखाई मेधा**

पानीपत | पानीपत इंस्टीट्यूट ऑफ इंजीनियरिंग कालेज समूहका के विद्यार्थी युवराज सिंह ने कुच्छेत्र विश्वविद्यालय द्वारा आयोजित साहित्यिक विधाओं पर आधारित भाषण प्रतियोगिता में प्रथम और कविता पाठ में द्वितीय स्थान प्राप्त किया है। युवराज शर्मा के कलेज में पहुंचने पर कलेज के सहनिदेशक प्रो. राजेश तायल और सांस्कृतिक कार्यक्रमों की प्रभारी पूजा बलिवा ने मेधावी विद्यार्थियों को बधाई दी है। प्रतियोगिता श्री सिद्धिविनायक शैक्षणिक संस्था यमुनानगर में पांच दिवसीय अन्तर्देशीय युवा समारोह आयोजित किया गया। युवा समारोह का नेतृत्व कुच्छेत्र के युवा कल्याण विभाग के निदेशक अनूप लाल ने किया। समारोह में संस्कृत, हिन्दी, पंजाबी, अंग्रेजी और उर्दू भाषाओं पर प्रतियोगिता आयोजित की गई। साहित्यिक अभियान में पहले तीन दिन वक्तव्य लगाई गईं। विश्वविद्यालय से संबद्धता रखने वाले कई कलेजों के विद्यार्थियों ने हिस्सा लिया। मुंबई से कवि देवेन्द्र काफिर, पंजाबी विश्वविद्यालयस परियोजना से डा. योगेश गंधी, केच्छे के डा. रणवीर सिंह और डा. महवीर रावजी ने अपनी प्रशंसा दर्ज की।

**नवीन कृष्ण सबसे श्रेष्ठ कवि-पानीपत**

नेशनल पब्लिक स्कूल रोहतास में गुरुवार को खेले प्रतियोगिता आयोजित

**विवज में आर्य इंटर कालेज डिक्लेमेशन एवं विज**

आर्य कालेज में आयोजित कार्यक्रम में संबोधित

**16 | दैनिक जागरण**

**एक नजर**

**अंतर क्षेत्रीय युवा समारोह में युवराज प्रथम**

पानीपत : यमुनानगर के श्री सिद्धिविनायक शैक्षणिक संस्था में कुच्छेत्र विश्वविद्यालय के आयोजन में आयोजित साहित्यिक प्रतियोगिताओं पर आधारित पांच दिवसीय अंतर क्षेत्रीय युवा समारोह का आयोजन किया गया। समारोह में संस्कृत, हिन्दी, पंजाबी, अंग्रेजी और उर्दू भाषा पर आधारित भाषण एवं कविता पाठ प्रतियोगिता का भाग आयोजन किया गया। प्रतियोगिता में पानीपत इंस्टीट्यूट ऑफ इंजीनियरिंग कालेज समूहका के युवराज शर्मा ने भाषण प्रतियोगिता में प्रथम तथा अंग्रेजी कविता पाठ प्रतियोगिता में द्वितीय स्थान प्राप्त किया। इस उपलब्धि के लिए पाइंट्स कालेज में महानिदेशक राकेश तायल और सांस्कृतिक कार्यक्रमों की प्रभारी पूजा बलिवा ने भी मेधावी छात्रों को बधाई दी।

**सरकार की यादा खिलाफी के विरोध में 'देली 4 को**

पानीपत : सर्व कर्मचारी संघ पानीपत की बैठक सभा कालेजस युवराज शर्मा का भाग आयोजन किया गया। इस साहित्यिक अभियान में पहले तीन दिन एक-एकवार लगाई गईं, जिसमें बंबई से आए आमंत्रित विद्यार्थियों व कवियों के द्वारा विश्वविद्यालय के सभी कलेजों से आए असंख्य प्रतिभागियों को वक्तव्य एवं काल्पनिक और अंतिम 2 दिनों में फ़िनल-2 अंतर्देशीय प्रतियोगिताओं का आयोजन किया गया। इस अवसर पर बंबई से कवि गंधी तथा कुच्छेत्र विश्वविद्यालय से डा. रणवीर सिंह व डा. महवीर रावजी मुख्तार का गौरव बढ़ाया।

इस उपलब्धि के लिए पाइंट्स कालेज के महानिदेशक राकेश तायल व सांस्कृतिक कार्यक्रमों की प्रभारी पूजा बलिवा ने भी इस मेधावी छात्र को हार्दिक बधाई देकर अपनी शुभ कामनाएं प्रेषित कीं।

- Got placed in HCL COMNET from the college.
- Completed summer training from Sand Profile, Frankfurt, Germany.
- Won more than 15 gold medals in debate and poetry inter college and inter university competitions.
- MTV ROADIES X4 participant.

The best brains of the nation are usually the last benchers.



DEPARTMENT OF CSE

Monthly News Letter

# CSE MESSENGER

## CALENDAR OF MARCH

- March 6 : Essay Writing Competition
- March 7-8 : Hacking tutorial for 1st year students.
- March 8 : Train your Brain (Aptitude & C Weekly Test Series-1)
- March 15 : Train your Brain (Aptitude & C Weekly Test Series-2)
- March 22 : Train your Brain (Aptitude & C Weekly Test Series-3)
- March 28 : Train your Brain (Aptitude & C Weekly Test Series-4)
- March 29 : State Level Workshop on Virtual Labs.



*There are no secrets to SUCCESS.*