

**Department of Computer  
Science and Engineering  
CEC, Landran  
Vision of the Department**

To develop proficient, research oriented and socially responsible professionals in the field of Computer Science and Engineering.

**Mission of the Department**

M1: To strengthen the core competence in Computer Science and Engineering through effective teaching learning methodologies.

M2: To provide research oriented environment in the area of Computer Science and Engineering addressing the need of industry and society.

M3: To promote industrial interactions and hands-on experience on latest IT tools leading to successful professional career.

M4: To facilitate the students with global exposure through international collaborations and internships.

M5: To prepare students for placements, higher studies and entrepreneurship through pre placement training programs.



Brushing your teeth right after eating sour sugary candy can cause more harm than good by preventing saliva from restoring damage.

**Achievement:**

2nd AICTE-ECI-ISTE ChhatraVishwakarma  
Awards 2018



**Chandigarh Engineering  
college Landran, Mohali  
(Punjab)**



**Message from HOD**



Technology is omnipresent and only growing multifold in the times to come, constantly increasing at an enormous pace. CGC, Landran has always been known for being the best engineering college in the region. Through our journey of 17years we have not only sustained the standards of quality education rather up scaled the level of technical knowhow taking us to newer heights in the learning curve.

**Some Facts**

- > Lemons contain more sugar than strawberries.
- > Goldfish can see both infrared and ultraviolet light.
- > At birth, our brain is almost the same size as an adult brain.
- > 76% people don't feel confident to smile in a photograph.
- > Sleeping on the left side of the bed makes you more cheerful and positive.
- > A lobster's blood is colorless but when exposed to oxygen it turns blue.

**Editorial Board**

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**Thought of the Month**

**Always end the day  
with a positive thought.  
No matter how hard  
things were, tomorrow's  
a fresh opportunity  
to make it better.**

*~Unknown*

**CEC CSE  
BROADCAST**

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**NETWORK CLOUD MANAGEMENT WORKSHOP @ CGC Landran**

The department of CSE, CGC Landran in collaboration with IETE Student Forum, organized a Network Cloud Management Workshop for the students. The objective of the event was to provide students with hands-on experience on the networking tools and make them industry ready owing to the considerable surge in the demands of professionals competent in the networking field. The workshop covered various networking concepts ranging from basics with the practical implementation using different networking tools like GNS 3, Packet Tracer & Wireshark to Network Cloud Management..



## Get deep insight into COMPUTING by seasoned dignitaries!

The two day #International #Conference on 'Innovations in Computing' at CGC Landran is going to be thick with intellectuals from all over the world; specialists in the field of computing from 14-15 December 2018. The 2nd day of the conference will see Prof. (Dr.) Savita Gupta, Director, UIET, Panjab University, #Chandigarh preside over as the distinguished dignitary who will enlighten the gathering about the latest developments in the ever evolving computing field and its future job prospects. The dignitary has been into teaching profession since 1992 and has published over 50 research papers in International Journals and conference proceedings. Guys! Lock the dates for this highly intellectual show where national and international researchers, scientists and engineers will gather and present their futuristic surveys and findings in the field.



## FEST + TEMPEST= PARIVARTAN

Parivartan 'STAGES' Exceptional Talent

The long chain of outstanding performances from across all genres put an exciting and inspiring spin on the grand show--13th #Annual #Techno #Cultural #Event, #Parivartan2k18 at CGC Landran. All the three Stages; (Stage 1), (Stage 2), and (Stage 3) set up for this massive carnival witnessed students from all across the country showing their artistic flair and earning the proud appreciations from one and all.

Here's a stunning replay of the entire episode PARIVATAN rocking the STAGE!



## PARENTS' TEARS, FRIENDS CHEERS LIGHT UP ENGINEERING CONVOCATION

Watching their son/daughter dressed in a stately gown and square graduate caps, parents shed the tears of pride as they watch their child get on the stage and receive their graduation degrees during the 13th Annual Engineering Convocation 2018 at CGC Landran. Students of 2017 and 2018 batch went for a nostalgic trip into the beautiful carefree days of the swinging college life. Some were extremely ecstatic over for their new professional life, some wished for spending a few bonus days at college to relive old memories while many were having mixed feelings about the event. Tossing their caps crazily into the air, students called it a day.



## THINKING SOMETHING INNOVATIVE? Think; Out of the box

CGC Students invent unique 'Fault Detection System' for Railway Tracks

With an aim to prevent rising number of train mishaps, a team of four students from Mechanical #Engineering (#ME), Computer Science Engineering (CSE) & #IT streams have invented a unique sensor-based, fault-detection system capable to monitor, evaluate, record and relay information pertaining to the condition of railway tracks to concerned authorities. This way, the unwanted faults can be easily repaired well-in-advance, thereby preventing accidents emanating on account of track anomalies. The contraption consists of four #Ultrasonic #Sensors embedded in the train's engine. The data pertaining to the speed, break-pressure and the temperature will be collected and constantly sent to a specially created control unit which will help officials detect any structural damage to the tracks in the form of cracks, dents etc. The four students, including Ankit Singh (ME, 7 th Sem), Vijay Singh (ME, 5 th Sem), Anmol Aneja, (CSE, 5 th Sem) and Manish Dubey (IT, 5 th Sem) have got their invention patented



The image shows a red and yellow locomotive pulling several blue passenger cars on a railway track. The locomotive has the number '18763' and 'WDM' visible on its side. In the background, there are green trees and a clear sky. A small logo for 'CGC LANDRAN' is in the top right corner of the image.

**'Fault Detection System'  
for Railway Tracks**

Invented by a team of CGC'ians from ME, CSE & IT streams

## CGC inks MoU with RED HAT

Taking a giant leap forward in further strengthening Industry-Academia interface, CGC Landran has inked #Memorandum of #Understanding (MoU) with #RedHat, that is going to establish a Red Hat Academy in the campus. Students across all Engineering disciplines will now be able to pursue certified courses. The curriculum involves on-instruction across platform, middleware, and cloud technologies built with input from Red Hat development, support, and field consulting teams. Industry Experts will make frequent visits to the campus to conduct Faculty Development Programs (FDP) and exclusive sessions for students to keep them updated with the latest industry standards, eventually helping latter to gain a considerable edge over their peers during placement drives. To know more about this MoU and various Scholarships under this initiative



The image shows two men in dark suits standing in front of a banner that reads 'Building Careers. Transforming Lives.' and features a graphic of interlocking puzzle pieces. The man on the left is holding a black folder containing a signed document, which appears to be the MoU. The man on the right is smiling. A small logo for 'CGC LANDRAN' is in the top right corner of the image.

Strengthening **INDUSTRY-ACADEMIA** Interface  
CGC inks **MoU** with **Red Hat**

## **From being felicitated by The Prime Minister of India to the Governor of Punjab to attending YEP at Sri Lanka; CGC'ian keeps climbing up ladder of honors**

An engineering student, CSE stream, NCC cadet MedhaviTomar, from CGC Landran has brought immense laurels to the campus. Having been chosen as one of the shortlisted cadets of the #Youth #Exchange #Programme of the #National #Cadet #Corps, she got an opportunity to go Sri Lanka which included 140 cadets from different states of the country. Medhavi earned the distinction of being the only cadet from states including Punjab, Haryana, Himachal Pradesh and Chandigarh to be chosen for this programme. Listen to her inspiring journey in her own words! Kudos to her spirit!



## **PROMOTING ‘DIGITAL LITERACY’ TO CREATE POTENTIAL FUTURE LEADERS**

The department of CSE, [CGC Landran](#) organized a special seminar on ‘Digital Literacy’. The chief speaker on the occasion was Mr. Gyan Gupta, CEO of [Dainik Bhaskar Digital](#), who talked about the rampant expansion of digital technology at an exponential rate which has now become an integral part of our business and social requirements. He held an extensive discussion on [FIRSTWALL](#) app, which gives its users a unique opportunity to create their own walls to put their own videos. There was also an inclusive discussion about the internship and community manager programs for students training to become a successful digital influencer.



**Seminar on ‘DIGITAL LITERACY’  
by Mr. Gyan Gupta, CEO  
Dainik Bhaskar Digital**

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