

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.

Editorial Board

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Your dreams are our responsibility!

We place all our efforts towards getting you placed with the leading companies so that you cherish every moment of your professional life and your career escalates to great heights.

For every program that we offer, we bring the finest recruiters to the campus and students get the chance to live their dreams of working with the best and that too at munificent packages.

Ensuring that you Work with the Finest Leaders in your Respective Spheres!



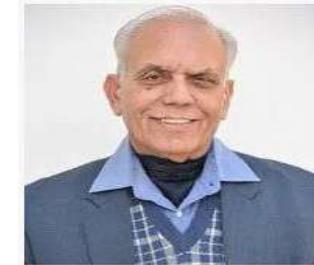
CGC Landran's Top Recruiters



Chandigarh Engineering College Landran, Mohali (Punjab)



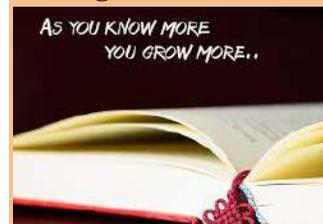
Message from Director Administration



Er. A.C. Sharma
Director Administration

Professional education is the basic need of the society. It is dynamic, vital and ever evolving. Problem solving, constant learning, and gaining knowledge are must for every professional in any domain or vertical. Keeping this in mind, Chandigarh Group of Colleges conducts lots of international and national conferences, seminars, and events in the field of technical education

Thought of the Month



CEC CSE BROADCAST

Volume – 7

Issue – 4

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Dare2compete

CEC/CSE, Landran student Yuvraj Verma roll no. 1802263 became the chief of Igniters club of dare2compete after an interview organized online by Dare2compete



Appointment Letter for D2C Igniters Club

To whomsoever it may concern,

We are glad to inform you that Yuvraj Verma, a student of your esteemed institution, Chandigarh Engineering College (CEC), Mohali, has been appointed as the D2C Chief Igniter to ensure that the talent on campus can connect with opportunities on a global scale.

D2C Igniters work as part of the newly established D2C Igniters Club to transform the way students connect, network and learn amongst the global community. The objective of D2C Igniters Club is to ignite the spirit of competitiveness amongst students, to provide a platform for students to showcase their skills and talent across domains, and to ensure a connection between talent and opportunity.

The selected D2C Igniters will be leading the D2C Igniters Club in their institute and would be responsible for the brand image of their institute, not only on Dare2Compete but also on the global platform that caters to 1 million plus students across 10,000 institutes.

D2C Igniters Club will be the direct interface between the institute and Dare2Compete for faster, swift, reliable and authentic information flow. As part of this club, they would also be given a D2C Inventory worth INR 3 Lakhs which they can use to promote the events of their college on a bigger scale. They will also be able to showcase and push some student success stories in form of articles or videos on Dare2Compete for enhanced reach and visibility.

We hope this program brings in the benefit to the complete ecosystem with its stakeholders being companies, Institutes and students.

Ankit Aggarwal
Founder & CEO,
Dare2Compete

Our Alumni Our Pride

Peer motivation is one of the most effective ways to encourage students. The accomplishments of the peers help students to set their goals and work diligently to achieve them.

Thus, we organized another #PeerMentoringSession wherein our B.Tech CSE Alumnus interacted with the engineering students on various aspects of his own college and professional life, shared tips to excel at placement drives and inspired them to work hard for their dreams.

Encouraging Alumni-Student Engagement to Promote Professional Development!

Peer Mentoring Session



Talk delivered by:
Vishal Singh
B.Tech CSE
Batch: 2014-2018

Working with Amazon WebServices

An Initiative
by CRC
Department



Our Department of Computer Science Engineering organized a Workshop on Python Programming by Aspi revision on the 2nd of December

Mr. Farman, a Python Developer with 6 years of experience as a Software Developer and Trainer started the session with brief knowledge about Python technology covering various topics like Libraries in python and Basic programming skills. More than 400 students attended the discussion with full enthusiasm. The session was conducted for the students of the 5th semester and was very engaging as they got hands-on experience in the workshop and were apprised of the latest technologies in Python programming.

The collage displays two screenshots of a Python IDE (VS Code) and a Zoom meeting interface. The top IDE screenshot shows a file named 'exceptiondemo.py' with the following code:

```
class BASS:
    def __init__(self, count):
        self.count = count

    def __iter__(self):
        return self

    def __next__(self):
        if self.count >= 0:
            self.count -= 1
            return self.count
        else:
            raise StopIteration

bass = BASS(5)
for i in bass:
    print(i)
```

The bottom IDE screenshot shows a file named 'demo.py' with the following code:

```
print("hello")
b, c, d = 5, 3.3, "hello"
print("value is " + d)
print(b, "value is ", b)
print("{} {}".format("value is", b))
values = [1, 2, 3, "rahul", 4]
print(values[3])
print(values[-1])
print(values[1:4])
values.insert(4, "sheety")
print(values)
```

The Zoom meeting interface shows a grid of participants, including:

- Lovepreet Kaur 1802103 and 70 more
- Nishchay 1802132
- Mankirat Singh 1802104
- Manish Kumar Singh 1802103
- Md Soyeb Kausar 1802108
- Himanshu Chaudhary 1802049
- Jashandeep 1802060
- Ishan Sharma 1802053
- Mohak Ahuja 1802110
- Kashish 1802075
- Karandeep Singh 1802103 and 68 more
- Manish Kumar Singh 1802103
- Himanshu Chaudhary 1802049
- Mohak Ahuja 1802110
- Nishchay 1802132
- Md Soyeb Kausar 1802108
- Mankirat Singh 1802104
- Kashish 1802075
- Ishan Sharma 1802053
- Jashandeep 1802060

DJANGO: PYTHON WEB DEVELOPMENT FRAMEWORK

Mr. Ansh Jindal¹, Dr. Manish Kumar²

¹B.Tech. CSE Scholar 3rd year CSE, CEC, CGC

²Associate Prof. Department of CSE, CEC, CGC

Django is an open-source python web framework used for rapid development, pragmatic, maintainable, clean design, and secures websites. A web application framework is a toolkit of all components need for application development. The main goal of the Django framework is to allow developers to focus on components of the application that are new instead of spending time on already developed components. It is fully featured than many other frameworks on the market. It takes care of a lot of hassle. It is involved in web development; enables users to focus on developing components needed for their application.



It's been 13 years Django started developing its framework and the first release of open source commit as it was under development quite a long time before release. During these years it had many releases some of them have new features other releases focuses on security enhancements etc. Django is the first framework to respond to new issues and vulnerabilities and alter other frameworks to make patches to frameworks. The Latest release of it is focusing on new features and boundary case problems.

Django uses Python programming language which is a popular language in 2015 and now most choosing language by programmers who are learning to code and applications of Django framework is widely used as it is free and open-source, developed and maintained by a large community of developers. It means we can find answers to the problems easily using Google.

Django is an *excellent* choice for any developer who wants to build modern, robust web applications with a minimal amount of code. It is popular, under active development, and thoroughly battle-tested by the largest websites in the world. So, choose Django if you need to complete your web application or website within a short time with full security and offers fast, reliable and scalable services.

AI model Uses Retinal Scans to Predict Alzheimer's disease

Study shows potential for a new, accessible way to diagnose the neurological disease

A form of artificial intelligence designed to interpret a combination of retinal images was able to successfully identify a group of patients who were known to have Alzheimer's disease, suggesting the approach could one day be used as a predictive tool, according to an interdisciplinary study from Duke University.

The novel computer software looks at retinal structure and blood vessels on images of the inside of the eye that have been correlated with cognitive changes.

The findings, appearing in the *British Journal of Ophthalmology*, provide proof-of-concept that machine learning analysis of certain types of retinal images has the potential to offer a non-invasive way to detect Alzheimer's disease in symptomatic individuals.

"Diagnosing Alzheimer's disease often relies on symptoms and cognitive testing," said senior author Sharon Fekrat, M.D., retina specialist at the Duke Eye Center. "Additional tests to confirm the diagnosis are invasive, expensive, and carry some risk. Having a more accessible method to identify Alzheimer's could help patients in many ways, including improving diagnostic precision, allowing entry into clinical trials earlier in the disease course, and planning for necessary lifestyle adjustments."

