

**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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**Student Editor: Vaibhava Sharma
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Achievements of Department of CSE

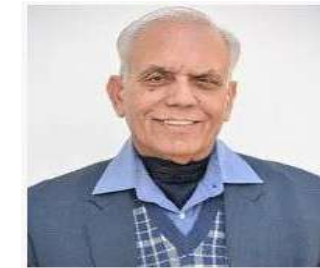
Vidushi of CSE 2nd year Selected for- Content Writing internship at Wabi Tech listed on Internshala and the stipend will be given during the internship Rahul bisht of CSE 3rd year developed an android game Squash Wars& launched it on Google play store on 10/01/18. A squash war is a local multiplayer platform game that can be played between 2-4 players under a common local hotspot..Pushpa Gujral Science City, Kapurthala organized INNO-TECH 2018 to encourage innovation and creativity among the students and teachers of professional colleges through development of working projects in the various fields of Science and Technology Akash Saini, Garima Bhayana & Trisha Francis of B.Tech (CSE) 6th semester bagged the cash prize of Rs. 12000.



Chandigarh Engineering College Landran, Mohali (Punjab)



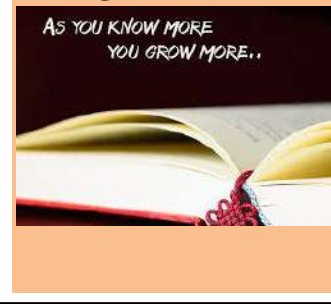
Message from Director Administration



**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 – 6

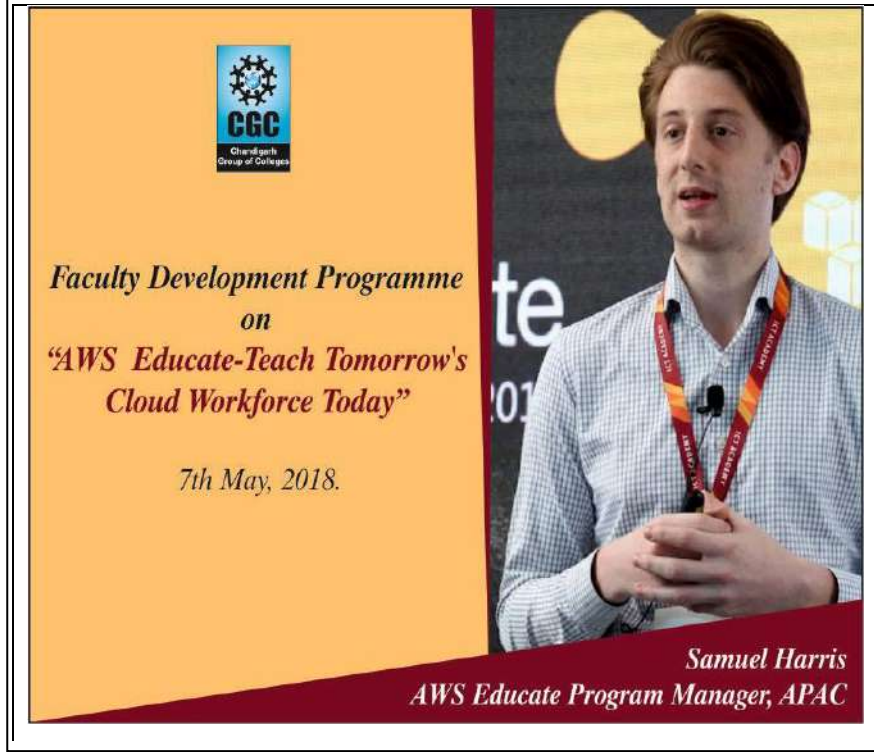
Issue – 2

April 2018 to June 2018

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A step towards upgrading faculty with latest CLOUD technology

Faculty #Development #Programme (#FDP) on “AWS Educate - Teach Tomorrow's Cloud Workforce Today” is going to be held at CGC Landran on 7th May, 2018. Organized by CSE department, FDP will have Samuel Harris AWS (Amazon Web Services) Educate Program Manager, APAC as the Chief Guest while Amit Nevatia Education program lead, India will address faculty on key services of AWS platform. Besides getting information on benefits of AWS services, CGC faculty will also get insights into deployment of Cloud with the help of Case Studies



CGC Girls rule the roost in Handball Game!

Being in complete control over their opponents, Girls from CGCLandran have won Gold Medal in the Inter-College Handball Tournament organized by IKGPTU at Shahpur. Girls Team has bagged 1st position as they remained unbeatable in all the three matches they played and overpowered teams from other prominent colleges. Hearty congrats to all the girls for displaying



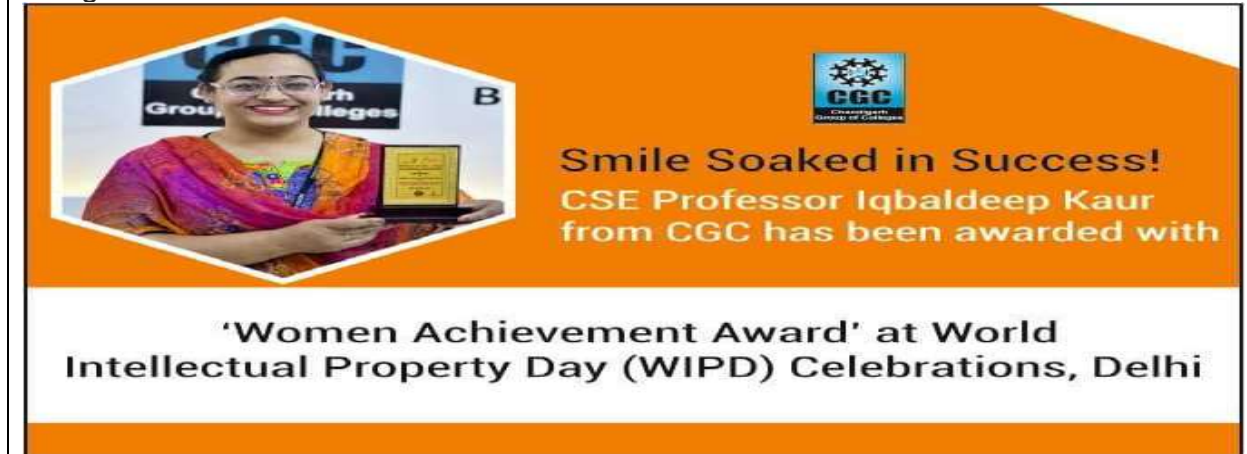
DreamsMeetReality inCGCLandran

Bagging multiple offers with whopping packages from renowned MNCs including #Sapient #Global #Markets, #Wipro and #Cognizant, Isha Garg, B.Tech, CSE department is all smiles these days. Spilling beans over her success, she speaks about the contribution of her college faculty and thoughtfully designed training and placement programme which significantly help students prepare well before actual placement session begins. Listen in her own words as to what she feels about her resounding success.”



Powering ,Change: Women in Innovation and Creativity

World Intellectual Property Day (WIPD) celebrations at Delhi brought immense laurels to CGCLandran as Prof. Iqbaldeep Kaur from Computer Science Department has been awarded with 'Women Achievement Award'. Her tremendous academic accomplishments include 21 Patents, 7 Published Patents, 5 Copyrights, 80+ Research Papers besides qualifying IPR-KIRAN for women's and PPSC exam. Organized by Ennoble IP and WIEF, supported by StartUp India, Ministry of MSME & MSDE, Govt. of India, the event felicitated women from across various sectors for exhibiting brilliance, ingenuity, curiosity and courage in their respective fields. Congrats!



widening Practical Horizons !

Industrial Visit CGC Landran

The department of Computer #Science and Engineering,CGC,Landran organized an industrial visit toNational Institute of Electronics & information Technology, Mohali. The visit was organized to press the need for bridging 'Academia-Industry' interface and produce industry ready professionals. Providing structured learning environment to share ideas via two way interaction, the visit enhanced awareness among students to adapt emerging technologies and enhance their employment opportunities.



SEMINAR ON “INNOVATIONS IN INDIA

Dr.Surender Singh Saini, Principal Scientist at CSIR-CSIO gave a brief introduction about IETE and its various objectives. After that **Dr.Neelesh Kumar**, Principal Scientist and Head at CSIR-CSIO gave an Expert Talk on the topic “**The Innovations in India**” to make the students aware of the innovations that are going in our country.



FACULTY DEVELOPMENT PROGRAMME @ CGC LANDRAN

Training the ‘TRAINERS’ to increase insight into novel concepts of Data Generation

The CSE department of CEC, [CGC, Landran](#) organized [Faculty Development Programme](#) on “Essentials of Hadoop & Big Data using IBM Infosphere big insights” in which faculty from across various streams participated. The session was conducted by Mr. Rajib Bhattacharya, Solution Architect, [IBM](#) where the faculty members got chance to learn the concepts of data generation at huge Volume, Velocity and Variety and the techniques to handle these three Vs. This FDP including tests, assignments and certification turned out to be highly interactive and effective.



Bridging Industry-Academia Gap

The department of [CSE](#), [CGCLandran](#) organized an [IndustrialVisit](#) to CS Soft Solution Pvt. Ltd. for 2nd year students. The visit was organized to help the students gain deep insights into functioning of the company which presents the students with opportunities to plan, organize and engage in active & vibrant learning experience especially beyond the routine classroom culture. Students learnt about ins and outs of R&D activities of the company including detailed overview of the IT solutions provided by the company.



A novel data-compression technique for faster computer programs



TRENDS IN CSE

1. Artificial intelligence and robotics

With the global robotics industry [forecast](#) to be worth US\$80 billion by 2024, a large portion of this growth is down to the strength of interest and investment in artificial intelligence (AI) – one of the most controversial and intriguing areas of computer science research.

2. Big data analytics

Back in 2012, the Harvard Business Review branded data science. Yes, you read that correctly. There has been a surge in demand for experts in this field and doubled efforts on the part of brands and agencies to boost salaries and attract data science talents.

3. Computer assisted education

The use of computers and software to assist education and/or training, computer-assisted education brings many benefits and has many uses. For students with learning disabilities, for instance, it can provide personalized instruction and enable students to learn at their own pace, freeing the teacher to devote more time to each individual.