2nd International Model UN held
IIT professor interacts with ME students
Expert lecture on Unmanned Aerial Vehicle
ICT program on PHP held IBM Lab set up in CEC

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The communiqué
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An Institution of Excellence
Engineering is the professional and systematic application of science to the efficient utilization of natural resources to produce wealth.
- Theodore Jesse (T. J.) Hoover

2nd International Model United Nations

After the glorious success of its maiden MUN in 2016, Chandigarh Group of Colleges, Landran hosted the 2nd International MUN on 21st and 22nd January 2017. Mr. Christopher Gibbins, Canadian Counsel General Chandigarh was the Chief Guest in the inaugural ceremony held on 21st January 2017. The conference deliberated on various national and international issues like ‘Appointment of Secretary General Situation in Columbia’, ‘Safety and Legitimacy of Nuclear Weapons’, ‘Human Right Violation in Asia with special emphasis on developing nations’. The conference deliberated on various National and International issues – Policies, educational simulation which students learn international relations and International MUN is a unique opportunity to provide unmatched exposure to knowledge and resolve critical issues so as to make the world a better place to live in.

The conference is based on the concept that young people make up a significant share of the global population and youth can prove to be an asset if they are trained, educated and provided right skills to become competitive globally. The participating delegates comprising of young students from reputed colleges and universities of India and abroad deliberated on various national and international issues like – Ap‘pointment of Secretary General situation in Columbia, Safety and Legitimacy of Nuclear weapons’, ‘Human right violation in Asia with special emphasis on developing nations’. The participants were well appreciated for their contribution.

MNC Caterpillar India APPLAUDS CEC Landran STUDENTS

Students of CEC Landran were applauded for participation in a national level competition organized by Caterpillar India Pvt. Ltd in Chennai. 70 teams of mechanical engineering students from various colleges across India took part. S.R Krishanan, HR Manager Caterpillar and Mr. Shekhar Murugesan, Operations Manager Caterpillar appreciated the students for their innovativeness. Students were well appreciated by Santham Singh Sandhu Chairman and Rashpal Singh Dhalwal President CGC Landran. said, “A student who goes beyond academic knowledge and grows his ideas into a successful project always sets benchmarks for others to follow. We are extremely proud of our students and will give our best to their project and support them in whatever way possible.”

University of Monmouth signs MoU with CEC Landran

Giving a major fillip to bringing international exposure for CEC Landran students assigned MoU with Monmouth University, USA for various technical courses. Dr. Michael Palladino, Vice ProVost, Monmouth University appreciated efforts of both institutions in making this happen. Dr. Birajashis Pattnaik, Director Principal, CEC hailed the move saying it will certainly help in meeting international standards of education.

On behalf of the Chandigarh Engineering College staff and students, I extend warm greetings to you and your family as you embark on the growth pedal step by step.

CEC is a wonderful institution catering for students with interest in engineering. Our CEC Curriculum is framed by the best set of professionals keeping in view the global standards in education as well as requirements of the present day industry. Our effort is to promote current research around those areas that have the largest positive impact on student progress and achievement. We believe all students are active participants in their learning and should have all the necessary information about their personal progress and achievement to assist them in their learning. We expect all our students to be “assessment capable” — able to answer three key questions about their learning – ‘Where am I going?’, ‘How am I going?’ and ‘Where to reach next?’.

Our leadership team works collaboratively with all teachers to meet the educational and pastoral needs of every learner in our school. We have a focus on quality literacy in all classrooms and we encourage our students to strive for personal excellence in all learning areas of the curriculum. We would love to meet your parents to understand you better. Inform them to not to forget to drop by the office and say hello.

“WE HAVE A FOCUS ON QUALITY LITERACY”

“To emerge as the most preferred educational group with global recognition, developing competent and socially sensitive leaders committed to excellence.’

VISION

• To create world class facilities & ambience for advance level of teaching and practical training.
• To develop students as global citizens with conscience, commitment & education.
• To continuously grow & become fountain head among institutes of Technical Higher Education in India.
• To strengthen industry-institute interface & promote Entrepreneurial development activities.
• To continuously strive for research, development & innovation in all relevant fields, thereby providing the faculty & students the requisite platform to showcase their talents & win laurels.
• To have collaboration with leading Universities of the world with a view to provide opportunities to the students for higher studies & seek placement avenues abroad.
• To maintain the first position in placements in the North region, thereby ensuring that every CGC‘ian gets the best possible placement opportunities.

MISSION

• To continuously strive for research, development & innovation in all relevant fields, thereby providing the faculty & students the requisite platform to showcase their talents & win laurels.
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QUALITY POLICY

To provide world class infrastructure, equipment and well qualified faculty for all round growth of students including their competence and overall personality to meet ever-growing expectations of society.

Forever learning, Forever better.
Automobile workshop organized by department of Mechanical Engineering

In order to introduce latest technology to the budding engineers Department of Mechanical Engineering organized two days “Automobile Workshop on Overhauling of S.I and C.I Engines” in collaboration with Society of Automotive Engineers (SAE). Dr B. Pattnaik (Director Principal, CEC) delivered technical session on recent trends in Automobile sector. Dr Rajdeep Singh (HoD ME) emphasized on the practical aspects of the recent development in Automobile Engineering. Er. Aman Bhatia (Technical Expert) enlightened the session. Overhauling of S.I and C.I engines along with modern industrial trends such as Antilock Braking System (ABS), Common Rail Distributed Injection (CRD-I), Digital Twin Spark Ignition (DTSI-I), Pollution Standard norms like EURO-1, EURO-2, EURO-3 etc., were discussed. Dr. Rajan Garg (Faculty Coordinator) guided the session. Dr. L.C Singal, Dr. Sandeep Jindal, Dr. Amit Gupta, Dr. Sanjeev Sharma & Ms. Aishna Mahajan mark their presence to make the event a grand success.

IIT Professor Interacts With Me Students At Cec

Department of Mechanical Engineering organized an expert talk on Theory of fins, Convection and convection with Phase change”. The talk was given by an expert from IIT Ropar, Dr. Ramjee Repaka. Students of sixth Semester attended the same. Delivering the lecture Dr Repaka said that this is an area of concern in the world today and students of the future will have to research on such topics.

Visit to National Fertilizer Limited Nangal

B.Tech-IV semester mechanical engineering students went to NFL Nangal, Punjab on an industrial visit. NFL is a schedule A and a Mini Ratna Category-1 company for implementation of fertilizer plant based on gasification technology of feed stock having an installed capacity of 5.11 lakh tons of UREA. The main product of this industry is KISAN UREA. The total production capacity of Kisan Urea is 6261 tons/day which is second largest production in the country. The industrial visit provided the students an opportunity to observe several unit operations taking place in chemical industry. It was a great experience to observe the magnitude and the quantum of the machinery used in a manufacturing process. Thus the students found visit to be a great learning and a source of practical knowledge.

Expert Lecture on Unmanned Aerial Vehicle

IIB cell of ECED in CEC Landran organized an expert talk on Unmanned Aerial Vehicle on 23rd Jan 2017. The program was conducted by Skytex Pvt. limited. Er. Naveen and Er. Mohit, EX IITian’s delivered the lecture. In this program students were introduced to work in multidisciplinary fields. They learnt the scope of UAV in every field and get an idea to develop indigenous technologies related to Unmanned Aerial Vehicles(UAVs) in the form of Fixed Wing Aircraft, Rotary Wing Aircraft, Aerostat etc.

IETE Students Day Celebration

IETE Student’s Day was celebrated on 13 February, 2017 in the Electronics & Communication Engineering Department. This year a technical quiz was organized by Surender Singh Saini (Secretary, IETE Chandigarh) and his team for the ISF members. Fifteen teams from various institutes/universities took part in the events organized. The first prize went to MM University students Apala, Kiran, Beauty, Sumit and Faisal. The winner for second prize were students of ECE Department, CEC Landran. The team comprised of Rubal, Aditya, Shubham Gupta and Hitesh. The third prize also went to ECE Department, CEC Landran students named Pranav, Chandan, Hardeep and Sandeep. ISF Coordinators Dr. Parveen Singla, Dr. Harpal Singh, Ritu Sharma and Chanpreet Kaur were also present during the prize distribution function. Campus Director of Chandigarh Group of College Dr. J. S. Khattra, appreciated the efforts of IETE Chandigarh.

Electronics and Communication Engineering

ECE department has a well equipped, experienced and dedicated faculty. It’s fifteen labs are all well equipped- Microwave Lab, Signal Systems and MATLAB, Microprocessor & Microcontroller Lab, Digital ICs Lab, Analog & Digital Communication Lab, Electronic Circuits Lab, B.Tech VLSI Lab, M.Tech VLSI Lab, R&D labs. On line subscription for international journals Educational CDs/VCDs Lab Manuals, Project Reports & Training Reports PTU previous years Question Papers Web Based Courses purchased from IIT, Chennai under NPTEL Project The Department also has its own student associations named “Electronics Project Club” (EPC) And “Radiance Professional Society”. The department is associated with IETE and IEEE which give the students, additional means to improve and update their technical knowledge.

World Radio Day was celebrated by the department to remember the unique power of radio which works as a medium to touch lives of people and establishes a nexus among people to bring them together across every corner of the globe.
**ICT program on “PHP and MYSQL”**

Department of IT had conducted the ICT program on “PHP and MySQL” in Cisco Lab, Engineering Block-3 from 23rd January to 27th January 2017. This ICT program was sponsored by NITTTR, Chandigarh. This course was very beneficial for faculty from IT/CSE/ECE/CGC-COE departments. About 33 participants from various departments of the college participated in the course.

The morning session on dated 23rd January 2017 highlighted the Overview of Open Sources and Installation of XAMP and HTML Basics. Evening Session on 23rd Jan highlighted Introduction to PHP and Integration with HTML, Variables, Operators and Loops.

Next day that is 24th January 2017 Ms. Shikha Sharma, explained the concept of Cascading Style Sheets, JavaScript, Form Handling, Validation and Practice.

Next day that is 25th January 2017 Ms. Shikha Sharma, continued with Functions and Arrays in the morning session and in the evening session Mr. Gurddit Singh explained MySql Data Types and Queries, Mysql Connectivity, File uploading with PHP Code.

In the Morning Session of Next day that is 27th January 2017 Mr. Saurabh Kaushal, explained concept of Cookies and Session Management and Sql Injection & Authentication Bypass.

The last session on 27th January 2017 was taken by Ms. Mala Kaira.

**NITTTR Sponsored ICT based STC On “Web Based Content Development using Moodle”**

Department of IT organised the NITTTR sponsored ICT based STC on “Web Based Content Development using Moodle” in the Engineering Block-3. The coordinators of this STC were Dr. Shashi Bhushan, Professor and Head, Department of IT and Dr. Parminder Singh, Associate Professor. This course was very beneficial for faculty from IT/CSE/ECE departments. About 50 participants from various departments of the college participated in the course.

The morningsession was taken by Mr. Amit Deogar, Assistant Professor, Department of CSE, NITTTR Chandigarh. Mr. Vipin Gupta explained the concept of Web Content Development in Moodle. The management of the institution appreciated the program and promised support to such initiatives always.

**System and Method to Detect Misplaced Devices inside Premises**

Dr. Shashi Bhushan, Ms. Sarbjot Kaur, Mr. Sachin Majithia, Dr. Mayank Dave

**Abstract**

To reduce the time to find electronic gadgets especially smart phones, phablets & tabs or valuables which are misplaced, lost accidentally, intentionally put ON the airplane mode or switched OFF. This invention includes two hardware devices/electronic circuits and one computer Application which operates on the device. One hardware device integrated with the device (or separately attached as in case of valuables), which user wants to spot and other device called the remote. This invention will help us to trace our gadgets whenever gadget is accidentally put on airplane mode or the gadget is switched in OFF mode. Remote will be used to send the radio signal which will therefore activate the application and the hardware components of the mobile phone, if it is in the range of remote and having battery backup. Further, device respond by the speakers, vibration, and beeping, flash light through which one can easily trace the phone. A transmitter/receiver will be integrated with the motherboard of the mobile phone for achieving such functionality or it will be an external hardware with its own power source and highlighting facilities, e.g., speakers, vibration, flash light for triggering mechanism. This mechanism further used to spot the misplaced gadgets.

**Students Corner**

Every time I put them off I see the world so blur Yet so beautiful See the mystic forces around I feel the wind, the sun, the ground it all feels so good Never like before Every time I put them off There is no face I can see No reactions I can notice No scars no flaws Only this new world and me Admiring each and every beauty of its...

Lavisha Khattar, B. Tech, 2nd Sem.

**Technology a boon? - Komal Singh, B. Tech, 2nd Sem.**

With the beginning of human civilization the advancement of technology had also begun and the technology we are experiencing today symbolizes the advancement of human knowledge.

Let's accept the fact that modern life is unthinkable without science and technology, but that doesn't mean we ignore the darker side of the issue.

Let's briefly discuss about the negative impact of technology on living beings and environment. Various educators feel that the notion of technologically advanced society is bringing up a generation who feels better off in front of a computer screen, the development of their brains is going to be different. Technology was discovered for the sole purpose of human development but today it is considered as a setback by many environmentalists.

I think the basic problems is that, when technology gets in the wrong hands, the result can be dangerous and can simultaneously have negative impact on the sustainability of human race. At the same time its advance effect on society can hardly be ignored. A cyber crime, hacking stealing of personal information, MMA scandals, illegal pornography and various other issues have emerged from the misuse of technology. The abuse of technology for economic interest is equally responsible.

The major reason for increase in violence is the advancement in the production of arms and ammunition, bombs, biological and nuclear weapons, which gave security and insecurity to different countries but at the same time brought violence both internal and between the nations.

Increase in pollution has resulted from technological advancement which has degraded our environment and has polluted our water bodies to a great extent. It has not only spoiled our lifestyle but has equally affected the length and quality of our life.

Despite these disadvantages we can't abandon advanced technology because it has huge impact on our day to day life such as today a businessman uses technology to improve the overall quality and performance of his goods. These improvements make goods more desirable for consumer and buyers. Also companies have used technology to automate process once performed manually.

Automation leads to cost-reduction as well as greater precision in mass production. Technology also allows educators more ways to instruct students. Audiovisual tools including computers presentation software and sound equipment contribute to learning and retention. The internet and other technologies contributed to the rise in online education. Now more students have access to education with the ability to complete work from home and with the help of internet they complete it very easily. Technological devices improve efficiency and accuracy in medical surgeries. Less-invasive procedures also mitigate the pain patients feel and reduce the recovery times.

Another general advantage of technology is that it offers greater access to global communication. With electronic mail, for instance, family and friends can stay in touch even when separated by hundreds or thousands of miles.
Jagpreet Singh won Bronze Medal in All India Inter University Best Physique Tournament. The competition was held at Panjab University, Chandigarh. Satnam Singh Sandhu, Chairman, CGC while congratulating Jagpreet said that it is students like him who with the dint of hard work have given a name to the institution on the national and international map. We are proud of such students and CGC, like always, will help in giving full support to students who work hard and excel in their specialized area of activity.

Chitmanjeet Singh Grewal of Department of Computer Sciences made the college proud by winning Bronze Medal in First All India Gatka Inter university Championship held at Guru Kashi University, Talwandi Sabo, Bathinda. He took part in Single Stick individual event.

College Volleyball (Men & Women) teams consisting of 21 players 12 Boys and 9 Girls participated in the PTU Inter college Volleyball tournament which was held at R.I.E.T, Railmajra. Both the teams won 1st place in this tournament.

An IBM lab has been set up in the Department of CSE in the college. This is a major achievement for the college. IBM Research has been advancing information technology through research in software and services, and providing leadership by delivering innovations to IBM. The lab is focused on a wide array of projects in exploratory and applied research. IBM Research - India has emerged as a premier research lab with an impressive list of achievements, including innovations in service delivery such as customer analytics, workforce management and global delivery management. In addition the lab helps to solve unique challenges in emerging markets such as spoken web, cleansing of noisy data, and scalable analytics platforms.


Iqbaldeep Kaur An Associate Professor in the Department of Computer Sciences she has a rich experience of teaching and research. Her contribution in the field of research has been well recognized and she has been awarded by the institution for filing a patent. The college management appreciated her efforts and told all the faculty members to take motivation from her efforts.

Gunagyan a student started a company Elysian Design

Prof. Dr. Amit Verma, Prof. and Head, Department of CSE has been conferred with the “Bright Researcher” honor and award for his outstanding contribution in research in the field of Computer Science and Engineering at NITTTR, Sector 26, Chandigarh in an International Conference on Interdisciplinary Research for Sustainable Development.

Prof Verma has to his credit 125 research papers in national and international journals.

Book Chapters:
ACS ACTIVITY WINS APPRECIATION

An expert lecture by Dr Rakeshwar Bandichor, Director, Reddy Labs, Hyderabad marked the day. More than two hundred students from the department interacted with the scholar and learnt about the technologies being used in the industry today. Dr Bandichor said that it is very important to have a strong bond between the industry and the institutions. It is the young minds that are most fertile and they do the best in research. Today, the most important research in every field is in the hands of youth. The earlier they learn the better. Also, a cultural function was organized on the day where students and faculty took part. The students and students enthused the Chairmen, CGC Satnam Singh Sandhu appreciated the faculty and students for their efforts. Rashpal Singh Dhalial, President, CGC appreciated the function.

Dr Ajay Vasishth, HOD, Applied Sciences: Students must find interest in their field of activity.

FACTS ONE MUST KNOW

Water can boil and freeze at the same time. Seriously, it’s called the triple point, and it occurs when the temperature and pressure is just right for the three phases (gas, liquid, and solid) of a substance to coexist in thermodynamic equilibrium. This video shows cyclohexane in a vacuum.

Lasers can get trapped in a waterfall. Oh my gosh, yes. Not only is this an incredible example of total internal reflection, it also shows how fibre optic cables work to guide the flow of light.

An egg looks like a crazy jellyfish underwater. A cracked egg on land might make a big mess, but 18 metres (60 feet) below the surface of the ocean, the pressure on the egg is 2.8 times atmospheric pressure, and it holds it all together like an invisible egg shell.

You CAN see without your glasses. According to MinutePhysics, all you need to do is make a pinhole with your hand, which will help you focus the light coming into your retina. Sure, it won’t give you 20/20 vision, but it’s a good start if you’ve left your glasses at home.

NANOINK: THE RECENT TECHNOLOGY OF NANOGRAVURE AND XEROGRAPHY

Ajay Vasishth, Gurveer Singh, Bikramjit Singh and Sham Singh

This paper reveals about the new revolution in printing Technology brought by the usage of Nanoink particles. The ink is made of water based volatile compounds and doesn’t contain any hazardous air pollutant. These ultra small Nanoink pigments have the ability to form a very thin layer of ink which has the ability to form a very thin layer of ink which helps digital printing at very high speed and high optical uniformity with scratch resistant image. Therefore Nanoink colors are used at the Landa Nanographic printing process. Finally there’s a discussion about its advantages and disadvantages.

HOW TO PARTICIPATE IN CLASS WITHOUT FEAR

Are you scared of participating in class discussions? How do you train yourself to confidently take hold of those participation points, rather than ducking to look at your doodle whenever the teacher looks at you?

Initially, in order to drop the hitch start by trying to participate once a week. “It is entirely normal to feel anxious and fearful because the natural tendency is to avoid these potentially threatening situations,” University of Virginia Ph.D. candidate in clinical psychology Karl Fua said. By participating more a student can begin gathering evidence that these feared situations might actually not be as bad as he/she originally thought. If you start changing your focus you’ll realize that, you care more about your own participation and not your imaginary haters. With change of seat from the back of the class to the front you start gaining confidence. If your teacher sees your face everyday they’ll certainly feel more positive as you gain brownie points. Even if the teacher still carries some doubts for your ability, they can’t deny that you’ve been to every lecture.

Sitting in the front automatically makes you more acceptable to every teacher. Also you’ll focus more and take better notes. Learning how to participate in class comes only when you stop dodging questions about the readings by running off to the bathroom or searching for your pen in the bottom of your backpack. “When I was an undergraduate I was very nervous about speaking up in class. I’m a very outgoing person, but I also read my readings by running off to the bathroom or searching for your pen in the bottom of your backpack. “When I was an undergraduate I was very nervous about speaking up in class. I’m a very outgoing person, but I also hated being wrong or looking silly.” It was only when I started working on my books and revising lessons that I gained confidence and this confidence helped me in making better participation in the class.”

Honour the opinion of your friends and makes as they will also at times give you very valuable suggestions. Get someone’s opinion. Share your own opinions with a lot of other people. It will help you to be extremely confident in what you’re saying, and you will have varied views for the same context that you can share in the class. A little research on topics being taught in class helps you understand material and get you fired up to start participating in class.

If you can’t take the leap and raise your hand in class at least you can from a quick question at the end of class.

A teacher dealing with such students must overlook the nervousness that went into making a comment. Using your voice to participate lets your teacher know you’re more than two eyes and a T-shirt. If you continue the conversation outside class, you can get away with the in-class silence. Learning to speak up in class can be a start toward finding your voice in all kinds of situations.” Leave the tip biting in the bedroom, and instead of eating your words, raise your hand. - Krishan Kant