

*Building Careers.
Transforming Lives.*



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**CHANDIGARH
GROUP OF COLLEGES**
Building Careers. **Transforming Lives.**

The Communiqué

A quarterly Newsmagazine | Volume-14

An Institution of Excellence

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CHANDIGARH ENGINEERING COLLEGE

Vision

To become a leading institute of the country for providing quality technical education in a research based environment for developing competent professionals and successful entrepreneurs.

Mission

1. To provide state of the art infrastructure and engage proficient faculty for enhancing the teaching learning process to deliver quality education.
2. To give a conducive environment for utilizing the research abilities to attain new learning for solving industrial problems and societal issues.
3. To collaborate with prominent industries for establishing advanced labs and using their expertise to give contemporary industry exposure to the students and faculty.
4. To cater opportunities for global exposure through association with foreign universities.
5. To extend choice based career options for students in campus placements, entrepreneurship and higher studies through career development program.



Prof. (Dr.) P.N. Hrisheeksha
Campus Director, CGC

At the outset, I extend my greetings to all of you. Education is limitless and unending and so is the road to achieve excellence in academics. What is needed is to identify the prevailing lacunas in our teaching learning process which could play a crucial role in our efforts to create a culture of academic excellence. I would like here to draw your attention to the emerging new trends and ideas which are essential to improve the quality of education and to make it at par with any world class institute.

I strongly believe that we cannot achieve academic excellence unless we set clear targets for ourselves. The first and foremost important step is to follow the regulation as notified by the Ministry of Human Resource Development, Govt of India that a PhD degree is now mandatory for recruitment of Assistant Professors with effect from July, 2021. However, the faculty who is already working as Assistant Professor can also do PhD simultaneously and must

therefore now get themselves enrolled in the PhD degree course. I further recommend that the students as well as faculty while continuing with their traditional classroom level education and interaction should also supplement their learnings with technology based education by registering in a wide range of free online certification courses available on the portal 'SWAYAM MOOC' in all branches of engineering for the undergraduate and postgraduate students. As you know that research and innovative learning has always been at the core of our engineering education and training program but I feel there is a need to make a positive move to provide further impetus to research activities by undertaking more innovative research projects, filing of patents and publication of scientific papers in reputed national and international journals. The faculty and students must therefore ensure to create a conducive and stimulating environment to facilitate research which is essential for engineering education. Every department should plan and execute such meetings. Every department should also adopt a result-oriented approach and set their own targets to achieve a result of a minimum of 65% for critical subjects, 75% for average subjects and 85% for easy subjects.

I do hope for a positive response from one and all in our endeavour to improve the quality of education on a continuous basis.

Best wishes



Prof. (Dr.) Rajdeep Singh
Director-Principal
Chandigarh Engineering College
Editor-in-Chief
The Communique

Recognised for teaching and academic excellence, CEC has been pursuing its defined motto "Building Careers Transforming Lives" successfully in a very realistic and meaningful way since the last over one and half decades. This is evident from the fact that CEC today is the most preferred college for the new batch of students who are at the launching stage of their professional course and aspire to build up a rewarding career for themselves. I assure the newly enrolled 1st year students of an excellent academic environment comparable to any world class engineering institute in tune with the fast changing technological and industrial global environment. In addition, there are ongoing batches of senior students at different level of their undergraduate course who are being groomed as the budding engineers of tomorrow and are at present being groomed to achieve academic excellence. I advise them to utilise every opportunity offered by the college for sharpening their skills in a wide spectrum of areas relating to technical, research, cultural, communication, personality development, sports including extracurricular activities for their all-round development which in today's time has become a benchmark criterion for the leading MNCs for the selection of candidate and package amount for a particular post.

Above all, there is an ever-growing number of our alumni across the globe who are enjoying glorious careers either in blue chip companies in India and abroad or are highly successful entrepreneurs. They are our college brand ambassadors and role models for the upcoming generation of engineers qualifying from our college.

I am highly thankful to all our faculty members for their devotion, dedication and commitment to impart quality education to the students. I would also like to express my deep gratitude to the management of CGC for their unstinted support and able guidance for making CEC as one of the top-ranking college of Punjab and North India.

CEC RECOGNISED AS ONE OF THE TOP RANKED INSTITUTE OF PUNJAB AND NORTH ZONE

Rated high among the best engineering colleges of Punjab and the North Zone, CEC has over the years built up a solid reputation among its stakeholders for its fabulous infrastructure, quality driven approach, strong industry-academia interface, international collaborations and above all a record breaking number of campus placements in top notch companies and industries in India and abroad.

In a recent survey conducted in 2019 by a reputed magazine 'The Week' CEC has been ranked 2nd among the best private engineering colleges of Punjab and attained 7th rank among the best in the North Zone.



Ranking & Awards 2019

THE WEEK-Hansa Research Survey 2019

- 7th in private colleges North Zone
- 52nd Rank in private colleges across the country
- 92nd Rank in Engineering Colleges all over India

- 20th rank in the category of Best Private Engineering Colleges in North India
- 76th Rank across the country

**Survey conducted
by India Today in
association with
MDRA), 2019**

Careers 360 Engineering Rating

- CEC gets AAA+ ranking in Career 360 Engineering rating

- CEC ranked 2nd in the Top Tech Private Schools in the Punjab state
- 21st position in the Top T-Schools (Private) in the North Zone
- 26th rank among the Government & Private institutes in the Northern zone
- 82nd Top T-Schools (Private) All Over India

**14th edition
of Dataquest Tech
School survey, 2019**

Five-year Academy Service Award by CISCO, 2019

- CEC gets Five-year Academy Service Award by CISCO, 2019.
- Other achievements included Five-year Faculty Service Award, Best Performance Award and Outstanding Award.

- CEC won the tag of the 'Most Innovative Engineering College with Excellent Faculty in North India

**9th World
Education Summit
& Awards 2019**

National Education Excellence Award, 2019

- CEC got award for "Most promising and development college in India"

- CEC got award for "Advanced Partner Institute"

**Infosys Campus
Connect Award,
2019**



EDITOR'S MESSAGE

I am highly thankful to all members of the editorial team, HODs of all departments, my colleagues, students and the college management for their overwhelming support and cooperation in bringing up this periodic news magazine for our readers.

As we all know, it is a highly competitive world today and the work dynamics are also changing. Industries today seek candidates not only with academic qualifications but also with innovative, creative, critical thinking and problem-solving skills. Our college is therefore going much beyond the conventional academic curriculum to impart quality education to the students to meet such requirements by modifying teaching learning processes from time to time. Learning has become more experiential. It is less classroom and more of what you see and do. Besides developing these valuable skills, the other essential part of

your success is the personality and your communication skills both verbal as well as written because they set the tone how others perceive you. Your personality is the first thing that is noticed in a job interview. Having a good personality is essential to get ahead in today's world. You need to polish your presentation and communication skills to prepare yourself for a successful career in any field of your choice. Another important point which matters today is your willingness and ability to self-learn. It is therefore very essential to have the right attitude for your own self-development in order to have an edge over others and to achieve everlasting success in your career.

My advice to the students, therefore, is to take advantage of the multiple forums available in the college to develop and enhance your personality. Every department has a club which organises intra and inter college events at formal and informal levels. Participation in co-curricular activities will help you to acquire communication, organisational and leadership skills that will be crucial in advancing your career. Also spend time for physical activity by playing sports. Above all, you also need to develop self-discipline, diligence and emotional balance to achieve success in work and family life.

I wish good luck to all of you.

Satvinder Bakshi
Editor

MEMORANDUM OF UNDERSTANDING (MOU) WITH EC COUNCIL UNIVERSITY, NEW MEXICO FOR CYBER SECURITY EDUCATION COURSES EXECUTED



**MoU with EC-Council University,
New Mexico**

Cyber security or IT security is an advanced technology of protecting the usability, reliability, integrity and safety of computers, networks, programs and data from unauthorised thefts or attacks that are carried for exploitation which is a matter of serious concern for all nations. There is thus a huge requirement of cyber security specialists across the world.

Keeping this in view, CEC has signed a MOU with EC-Council University, New Mexico for providing learning opportunities to our students by enrolling in their infosec cyber security certification programs like Ethical Hacker and Computer Hacking etc. Cyber security education EC-Council University is a nationally recognised professional certification body accredited by the Distance Education Accrediting Commission (DEAC) for serving as a mentor for the students. This alliance will serve as another opening for our students for building their careers in this challenging field.

Mou Between CEC And Its Alumni Owned “Raju Bros Softech Ltd" Executed To Foster A Lasting Connection



CEC values its relationship with its alumni who not only act as its brand ambassadors but also help in the overall growth of the institution.

M/s Raju Bros Softech Ltd is a venture of two CEC alumni Ishant Raju & Nishant Raju. In a unique initiative, CEC executed a MOU with their firm with an aim to provide a platform to its students to gain hands on experience on the latest technologies like Internet of Things (IoT) and other coming up newer technologies while being in the college. The main advantage of this partnership is the easy acceptance of the college alumni as their mentors and role models for facilitating easy transfer of expertise to the students.

INTERNATIONAL CONFERENCE TO FOSTER KNOWLEDGE THROUGH INNOVATIVE RESEARCH IN ENGINEERING HELD

The departments of ME & ECE organised a joint two day international conference on" INNOVATION IN COMMUNICATION, COMPUTING AND ENGINEERING (CAME-2019) from 26th to 27th July, 2019.The main objective of the conference was to deliberate on the issues related to the latest advancements in the field of engineering and to pave way for future innovative technological research and development. The conference was attended by academicians, researchers and experts drawn from reputed national and international institutions, universities and industries.Dr.P.K.Khosla Executive Director, CDAC, Mohali was invited to be the Chief Guest for the conference. The conference started with a ceremonial lighting of a lamp by MrSatnam Singh Sandhu honourable Chairman CGC who was joined by other dignitaries which included Dr Ghazi Alkhatib Professor S.H University, Jordan (keynote speaker) Dr Shiv Kumar Chief Executive Officer, Blue Eyes Intelligence Engineering and Science Publications, Dr Ashwani Kumar Professor Monmouth College, USA (Guest of Honour) andMr. Arun Batra CGM-Technology, SML ISUZU Ltd Ropar(keynote speaker) including the senior management officials of CEC. Dr Ghazi and Mr Batra delivered their keynote address on" Research Strategies in Computing Sciences" and ' Industry 4.0 respectively. In addition, scientific sessions on important topics at the cutting edge of engineering technology chaired by eminent researchers and academicians were also held during the schedule of the conference. The conference proved to be a great success. A total of 175 manuscripts from ECE and 110 from ME were selected for publication in the UGC approved/SCOPUS indexed journals.



1ST ISSUE OF' CGC INTERNATIONAL JOURNAL OF CONTEMPORARY TECHNOLOGY AND RESEARCH' LAUNCHED - A BIG STEP FORWARD TO PROMOTE LATEST RESEARCH IN ENGINEERING SCIENCE AND TECHNOLOGY

Marching ahead towards achieving yet another milestone, CGC launched the 1st issue of 'CGC International journal of Contemporary Technology and Research'(CGCIJCTR) during the international conference held jointly by the Departments of ECE and ME amidst the presence of eminent national and international dignitaries. The aim of this online open access half yearly journal is to publish original research and review articles on all aspects of engineering science and technology. The journal will go a long way to enhance the capability of research scientists.

**CEC STUDENTS WIN 1ST PRIZE IN THE NATIONAL SMART INDIA HACKATHONE- 2019
A BIG BOOST TO THE CEC BRAND IMAGE**



Smart India Hackathone 2019 is a nationwide initiative launched by the Ministry of Human Resource Development (MHRD) and the All India Council of Technical Education(AICTE) to provide an opportunity to the engineering students to apply their minds to solve some of the daunting problems by creating world class solutions for the private sector companies.The aim of this mega exercise is to inculcate a culture of new product innovation and a mindset of problem solving. In the final round a total of 1300 teams competed nonstop for 36 hours across 48 different nodal centres to decide the top three winners. The CEC students from the departments of CSE, IT and ME formed a team named 'MACHVEDA' and worked skilfully to provide an out of the box solution to the problem 'Pedestrian Safety Devise in Automobiles' posed by' Mahindra and Mahindra' company. The brilliant and talented students of CEC proved their creative and technical skills by finding a perfect solution to the given problem and bagged the 1st position with a cash prize of Rs. 1 lac in the competition.This splendid and outstanding success has brought a great recognition to the CEC and also enhanced its visibility across all technical institutes of India.

CEC STUDENTS ENTER THE FINAL ROUND OF HACKWARE 2019 and WIN CONSOLATION PRIZE

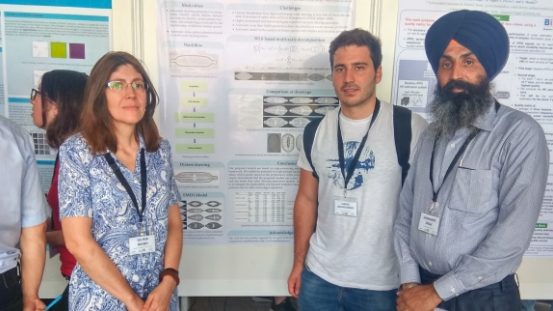


HACKWARE is an open innovation platform for the budding engineers and professionals to come together and solve the energy - management challenges of our planet today. A team of 4 students of ECE department participated in this competition organised by the Schneider Electric Innovation Challenge held at Coimbatore, Tamil Nadu. Our team presented its bold ideas around the areas impacting sectors of urban, residential, buildings and industry and was selected for the final round. Our college team competed brilliantly to win medals and a steel framed pen drive each as a consolation prize in the final round. The team INCASSIBLE comprised of 4 students Aditya Bansal, Abhishek Sharma, Akash Goyal and Abhishek Jain who were mentored by Dr. Vinay Bhatia and Ms. Ashima Kalra.

Dr. Priyanka Kaushal, working as Associate Professor in the department of Applied Sciences was invited to deliver an expert talk on the topic "Recent Advances in the Fluid Flow through Porous Media" in the two day national seminar organized by Rajkiya Engineering College, Manipur.



RESEARCH PAPER PRESENTED IN THE IBERIAN CONFERENCE HELD IN MADRID, SPAIN



Iberian Conference on Pattern Recognition and Image Analysis (IbPRIA) is an international conference co-organised by the Spanish and Portuguese Chapters of the International Association of Pattern Recognition (IAPR).

Dr Harbinder Singh , Associate Professor in the Department of ECE, presented his original research paper on 'Pencil Drawing of Microscopic Images Through Edge Preserving Filtering' in the 9th Iberian Conference on Pattern Recognition and Image Analysis held at the Universidad Autonoma De Madrid, Campus De Cantoblanco, Madrid, Spain. The project work was funded by the Spanish Government. The paper was selected for publication in the Springer Lecture notes in Computer Science Series.

CISCO ACADEMY CONFERENCE, INDIA 2019

Chandigarh Engineering College Landran is an academic partner of the CISCO system, USA. This year CISCO Networking Academy organized Two-Day Academy Conference at Noida. CEC participated actively in the Academy Conference and received the Five-year Academy Service Award. Apart from this Dr.Parminder Singh bagged more than three Awards which were categorized like Five-year Faculty Service Award,, Best Performance Award and Outstanding Award in CISCO Academy.



Launched by AICTE in 2018, the main objective of induction program was to induce comfort and confidence among the new students and enable them to adjust to the new environment of the college before the start of their academic curriculum and to guide them in various aspects of life to achieve their natural potentials. The weeklong program scheduled from 15th to 20th July, 2019 commenced with an orientation session for the newly enrolled students in which their parents were also invited to participate. Mr Satnam Singh, Honourable Chairman CGC extended a hearty welcome to them and shared his vision and mission of developing CEC as a world class institute of academic excellence and research. He further familiarised them about the excellent infrastructural facilities and the academic culture of the institute. The underlying theme of conducting induction program

was to sensitise the new entrants on a wide range of issues relating to human values, mutual trust & respect, self-exploration, peer pressure, self- confidence including importance of physical activities. A number of interactive sessions conducted during the course of the program included not only lectures by faculty on the subjects of Chemistry, Physics & Maths but a variety of other activities like family and interpersonal relationships, tips for placement, grooming on dining and dressing etiquettes, yoga, sports, art of living, cultural events like singing, dancing, mimicry besides debates, essay writing, poster making, slogan writing and Rangoli including a city tour of Mohali. The students participated actively in all the events and by the end of program were able to remove their inhibitions and mixed up well with their peers and faculty. The students were also taken on a city tour on the concluding day of the Induction program.

JASHAN 2019 TO WELCOME THE FRESHERS



A Freshers Party "JASHAN 2019" was held on 23rd August 2019 to welcome the new batch of students enrolled in 2019.. The aim of this big bash was to make every new student feel connected as an integral part of the institution and be ready to take on the challenges of their academic session ahead. Sh. Satnam Singh Chairman CGC extended a warm welcome to the students through his motivational speech. The event was marked by colourful performances which included classical dance, exhilarating group singing, bhangra and plays. The students enjoyed the performances and their excitement grew manifold when the star cast of the Punjabi film 'Surkhi Bindi' Sargun Mehta and Gurnam Bhullar made a surprise appearance on the stage to greet the students and also interacted with them. Another highlight of the event was the FASHION SHOW which added further charm to the already pulsating ambience. Sakshi a student of Applied Sciences emerged as the winner and was declared Miss Fresher CGC and the other title of Miss Crowning Glory was won by Harmeet Kaur from the same department.

TEACHERS DAY CELEBRATED WITH IMMENSE FERVOUR AS 'EUPHORIA 2019'











CGC, Landran celebrated the Teachers Day on 5thSeptember, 2019 to commemorate the birth anniversary of Dr Sarvepalli Radhakrishnan who was a great scholar, philosopher, educationist and recipient of Bharat Ratna Award. Sh. Satnam Singh Chairman & Sh. Rachhpal Singh President CGC expressed their intense and passionate feelings towards the faculty for their devotion and dedication for bringing up a new generation of professionals and felicitated all the teaching faculty on this occasion. A total of 8 faculty members of CEC were presented with 'BEST TEACHER AWARD' and another 48 teachers were honoured with 'APPRECIATION and 'EXCELLENCE AWARDS'. The theme of the celebration was" CGC IS A HAPPY PLACE

TO WORK". The occasion was marked with a cultural extravaganza comprising of breathtaking performances in the form of skits, classical dances, group singing, bhangra etc by the faculty of various departments in the form of a cultural procession. The faculty of the department of Applied Sciences won the 2nd prize for their comic group presentation depicting various college life related situations in the most hilarious way. Another highlight of this day long celebration was the 'FASHION SHOW' to select Ms & Mr EUPHORIA 2019. The participants clad in their colourful and fashionable attires received a loud applause for their splendid and fabulous performances in the 'WALK THE RAMP' show. Ms. Umang and Mr. Sandeep Khatkar both from the department of Applied Sciences were declared MISS and MR EUPHORIA respectively.



BEST TEACHER AWARD

							
Mr. Rajeev, Assistant Professor CSE	Mr. Gagan Jindal, Professor, CSE	Ms Shanky Goyal, Assistant Professor, IT	Ms Rubaljeet Kaur, Assistant Professor, Applied Sciences	Ms Sapna Rikhi, Assistant Professor, Applied Sciences	Dr. Pooja Sahni, Professor, ECE	Dr. Dinesh Arora, Professor, ECE	Mr. Rupinder Singh, Assistant Professor, ME



ME DEPARTMENT CELEBRATES ENGINEERS DAY

The Department of Mechanical Engineering celebrated Engineers Day with great zeal and enthusiasm. The event witnessed a plethora of technical and non technical activities by the students like car designing, Engineers' eye, Hammer Strike, quiz and Treasure Hunt besides enthralling the audience with their cultural performances of Bhangra, folk singing and Beat boxing. The highlight of the event was the presence of two alumni from Mechanical Department Capt. Rajat and Bhavya Gupta who were the Guests of Honor. They addressed the students and shared their academic and professional journey with them.

CEC FACILITATES VIRTUAL LAB OF IIT DELHI FOR STUDENTS THROUGH A WORKSHOP

The department of CSE is now a nodal centre of Virtual Lab of IIT Delhi. The main objective of Virtual Lab is to provide remote access to high tech lab facilities to the students to conduct experiments and to help them in learning basic and advanced concepts through remote experimentation. A workshop was held on 17th September 2019 to understand this new concept. Mr Parteek Sharma, the mentor of Virtual Lab who is working with IIT Delhi, explained about the working and uses of this great experimenting facility at no cost to the students on vlab.co.in.



OZONE WEEK CELEBRATED

DECLAMATION CONTEST HELD TO PROMOTE AWARENESS ON ENVIRONMENTAL MEASURES NEEDED FOR PRESERVING THE EARTH

The department of Applied Sciences organised a declamation contest among the students to highlight the important role of the ozone layer for protecting our earth and the urgency of measures required to prevent its depletion. A total of 20 students from various departments participated in this contest. The theme of the contest was "Green Conservation". The students expressed their views and serious concerns about the harmful effects of substances such as greenhouse gasses which causes thinning of the ozone layers leading to exposure to ultraviolet rays of the sun on earth.

Vishal & Simran of CSE bagged the 1st and the 2nd prize respectively whereas Arunima of ECE secured the 3rd prize.

Dr Lakhwinder Singh HOD Applied Sciences rendered the vote of thanks. He also highlighted the importance of celebrating this day and the role of students in contributing towards protecting and preventing the ozone layer from depletion.



PRESENTATION ON "EFFECTIVE TEACHING" FOR IT FACULTY

A quality session on "Effective Teaching" by Amanpreet Kaur (IQAC-member-IT) was held for training the Faculty of IT department. Various methods of effective teaching were discussed with emphasis on Cooperative Learning and active participation of students in classroom teaching. The importance of classroom management along with different parameters of "Increased Learning" were also discussed. Various teaching tools with their effective usage in class were also presented.

EXPERT LECTURE ON 'DATA STRUCTURES' BY CSIR SCIENTIST



The Department of CSE invited Dr Neerja Mittal PhD who is a Senior Scientist of CSIR-CSIO Chandigarh to share her advanced knowledge and experience on Data Structures which is a specialised format for organising, processing, retrieving and storing data with the students. A total of about 100 students benefited from this expert talk.

GUEST LECTURE ON "STEREOCHEMISTRY & STEREO CHEMICAL COMPOUNDS WITH APPLICATIONS"

A Guest lecture on "Stereochemistry & Stereo chemical compounds with Applications" was organized by the Department of Applied Sciences. Dr. Kamaldeep Paul from Thapar University was the Guest speaker. About 120 students of B.Tech ECE and ME attended the lecture. The core objective of the lecture was to acquaint the students with ongoing research in stereochemistry field and to provide them overview of the applications of stereo chemical compounds in daily life.



SEMINAR ON AI, MACHINE LEARNING AND DATA SCIENCES



Machine learning is a hot topic in research and industry with new methodologies developing all the time which makes it difficult to keep pace with the new techniques. The department of CSE organised a seminar on 16th September, 2019 to provide a learning platform for the students. Mr Manav Mangal Founder Audertee Solutions updated the students on various scientific topics related to machine learning. A total of more than 110 students participated in the discussions.

CSE DEPARTMENT ORGANIZED EXPERT LECTURE ON "DATA STRUCTURES"

CSE Department organized Expert Lecture on "Data Structures" CSE Department of Chandigarh Engineering College organized an Expert lecture on "Data Structures" which was attended by around 100 students. Dr. Shalini Batra, Associate Professor, Computer Science and Engineering Department, Thapar Institute of Engg. And Tech., Patiala was invited to deliver her expert talk on the subject.



EXPERT LECTURE ON 'EMBEDDED SYSTEM AND DESIGN TECHNOLOGY'

Mr. Amit Solanki from Wonder System Pvt Ltd, Mohali was invited by the department of ECE to deliver a talk on the subject "Embedded System and Design Technology" on 10th September, 2019. Mr Solanki focused on the latest developments in this technical field and apprised the students about its components and applications in day to day life. The lecture was very informative and provided a deep insight in the subject of embedded system and design technology.

EXPERIENTIAL LEARNING FOR STUDENTS THROUGH INDUSTRIAL VISITS TO EXPAND THEIR HORIZONS OF INTELLECT AND KNOWLEDGE BEYOND ACADEMICS

Industry visit has its own importance in a career of a student who is pursuing a professional course in engineering. At CEC, industry visit is in fact a part of the academic curriculum with an aim to provide a practical perspective to the students in the world of industry. Details of industrial visits held during the period under report are given below:

VISIT TO THE CENTRE FOR DEVELOPMENT AND ADVANCED COMPUTING (C-DAC)



The Department of Electronics & Communication organised a visit for its 3rd semester students to the C-DAC, Mohali. The main objective of this visit was to provide a unique opportunity to the students to gain practical exposure to the scientific principles of working of the Bio Medical and Cyber Security Labs and to familiarise themselves with the advanced technology and equipment being used in this reputed centre.

VISIT TO CS SOFT SOLUTIONS PVT LTD, MOHALI

A group of 80 students of the Department of Computer Science & Engineering visited CS Soft Solutions Pvt Ltd which is a growing IT solutions and Website Development firm based at Mohali. Besides gaining a better understanding of the working of R&D, it also invoked critical thinking skills among the students.

VISIT TO SEBIZINFOTECH AND NETSMARTZ MOHALI

A group of 74 students of the Department of Information Technology visited two reputed IT based industries namely Sebiz Infotech and Netsmartz located in the IT park Mohali. The main objective of the visit was to expose the students to gain hands on practical knowledge on various industrial processes of an IT industry and to update themselves about the latest technologies in relevance to the emerging needs of an IT industry.

VISIT TO CODE X PVT LTD



59 students of ECE branch of Applied Sciences under the supervision of their coordinators visited CODE X PVT LTD in Mohali on 27th August, 2019. Code X is a software and IT solution firm which provides technical services to its clients. The main objective of the visit was to provide practical exposure to the students for solutions in Embedded Systems Development (EmbSys) and Internet of Things (IoT). After initial briefing about the working of the unit, a technical session was held to provide updated knowledge on this subject. The visit proved to be a great learning experience to the students.

VISIT TO ITRONIX SOLUTIONS (P) LTD, MOHALI



65 students of B Tech (CSE) under the guidance and supervision of their faculty coordinators visited ITRONIX SOLUTIONS in Mohali which is a fast growing IT solution and website development company for providing state of the art online technical services to its clients. The technical head of the company apprised the students about the ongoing and upcoming projects of their company. The visit was of great practical value for the students.

VISIT TO WONDER SYSTEM INDIA (P) LTD



The students of the department of ECE visited Wonder System India Pvt Ltd in batches on 12th and 13th September, 2019 along with their respective coordinators. This firm is an internationally acclaimed organisation in the field of industrial automation equipment like DC Drives, AC Drives, Servo Drives, Touch Screens, Scada and panels used extensively in hot and cold rolling mills, paper mills, cable and cement industry and many more. The main objective of the visit was to provide to provide technical exposure to the students about the designing and manufacturing processes relating to the tools and equipment. It was a very practically oriented visit and a great learning opportunity for the students.

VISIT TO PUNCOM, MOHALI



The department of ECE organised an industrial visit to PUNCOM on 23rd September, 2019 for its students. PUNCOM is a leading manufacturer and supplier of telecom and IT equipment. The visit helped the students to see and understand various technical processes involved in this project.

VISIT TO MARS EDPAL INSTRUMENT PRIVATE LIMITED

The department of Electronics and Communication organised an industrial visit to Mars Edpal instrument Private limited, Ambala for 3rd semester students on 11 Sept, 2019. It is an Indian company providing reliable quality and competitively priced Electronic, Electrical and Scientific Instruments.

The visit started with the brief presentation of company profile by the company personnel. He took students to different sections i.e electrical systems, mechanical section, testing section and wiring section. Students saw the working of CNC machine, PLC's and domestic wiring board etc in a special section.

In the end, the company personnel addressed all the queries of students and explained about the career opportunities in this sector. This visit was very informative, enriching and provided great learning experience to students.

MEET OUR ALUMNI ENTREPRENEUR



TRIVIKRAM NARAYAN SINGH

I did my schooling from Chennai and was a little skeptical about joining any institution for pursuing B.Tech. At first, I explored the CCC college Campus, Landran and was quite fascinated with its architecture, playgrounds and hi-tech Labs. I was also impressed with the placement record of CEC and availability of opportunities for extracurricular activities. I, therefore, decided to join B.Tech. CSE course in this reputed college without any second thought.

During my first year of CSE, I participated in many events organized by the college, in my second year I started coordinating events and in my third year I was the technical head coordinator of CSE department's official club i.e. Phoenix Club. I also took part in Grand Finale of Smart India Hackathon, a thirty-six hours continuous coding challenge conducted by Ministry of HRD. During my tenure, I had full support from the faculties to carry out the related tasks. These things directly or indirectly helped me to improve my competence and made me capable of getting a Six

months internship opportunity at Wal-Mart Labs with a performance based full time employee conversion opportunity. I advise my juniors to take their TPP classes very diligently. These classes have been very rationally designed to meet the various requirements of interview procedure. The aptitude part helps you in initial written tests and interview puzzles. The technical classes help to have clarity in theoretical subjects and practical coding part which would be beneficial in the coding rounds and interviews. The Communication Skills classes offer a variety of activities which make students more confident and presentable in Group Discussions and Interviews. By focusing on various aspects of the classes, one can expect a fruitful outcome.

I think the greatest responsibility of any institution is to provide ample opportunities to develop the personality of the students as well as their technical skills and CEC is an ideal institution to achieve all round development.



MANIK MINHAS

Manik Minhas who is one of our CEC B.Tech. 2017 Batch Alumni is deeply committed to imbibe leadership qualities among the younger group of coming up engineers through his motivational, inspiring and visionary approach to entrepreneurship. After graduation, he initially worked in a few companies but soon realised that he wanted to be a master of his own business and took a bold decision to quit the job in hand to start his new venture. Manik has today established a huge business network of his own for operating it as a direct selling industry with Amway and has also set up his own brand website for dealing with various projects.

Being a successful entrepreneur, Manik feels a great sense of happiness and satisfaction in helping others by motivating them to lead their own way to a bright future by doing something constructive and meaningful in life. He is today perceived by many of his fellows as a role model.

In a brief interaction, Manik responded positively to a direct question about the role of his Alma Mater in making him what he is today. According to him "My college life has put a great impact on me as it allowed me to think beyond the static path which is usually opted by every other student. I was always encouraged by my teachers to follow my passion and my college presented me with a lot of opportunities to explore my potential which helped me to shape my personality. I will always have a special gratitude towards CEC and my teachers who were part of my wonderful college experience."

SPORTS HIGHLIGHTS

CEC TEAMS SWEEP MEDALS IN THE IKGPTU SPORTS TOURNAMENT

CHESS TOURNAMENT

Two college teams of CHESS players comprising of 5 men and 5 women participated in the IKGPTU inter college chess tournament held on 5th and 6th September, 2019 at Jalandhar and won 1st and 4th positions in the men and women categories respectively.

BADMINTON

Two college teams of BADMINTON players comprising of 6 men and 4 women participated in the IKGPTU inter college badminton tournament held from 11th to 13th September, 2019 at Jalandhar and won the overall 2nd and 3rd positions in the men and women categories respectively.

CROSS COUNTRY RACE

NEHA YADAV STORMS INTO NATIONAL LEVEL CHAMPIONSHIP

Neha Yadav from Applied Sciences and Ishita Jamwal from ECE were a part of six member team who won the 10 kms Cross Country Race organized by IKGPTU at Gulzar Group of Institutes on 19th and 20th September 2019. They were awarded with medals and a Trophy. Neha Yadav has also been selected for National level Championship to be held on 10th October 2019.

The 13 member boys team consisting of five boys from CEC, Mukesh Kumar, Yash Lamba, Yogesh Singh, Mohak Ahuja and Rahul Duhan also won the 1st place in Cross country race.

FOOTBALL

Our college team of FOOTBALL comprising of 16 players (men) participated in the IKGPTU inter college and inter zonal Football tournament held from 24th to 30th September, 2019 at Ludhiana and won the overall 3rd position in the competition.

