It gives me a great pleasure to note that the quarterly digital News Magazine "The Communique" is ready with issue for the period October 2018-December 2018. It is therefore important to get their first step right while charting a successful career for them. The Department of Mechanical Engineering has achieved consistent improvement in academic, research and placement performance. It offers a range of innovatively designed programs apart from curriculum are constantly updated to meet the changing requirement of the industry and also to meet the needs of major stakeholders.

Department of ECE-CEC continues to take dramatic steps forward, advancing the quality of research, education and engagement with the world. I am really elated to tell that the department stands on the strength of experienced and well-qualified faculty who are very dedicated to teaching and also involved in up-gradation of knowledge. Their research experience will help to cultivate the future of my students.

With great demand in industry and great placement opportunities the department stands tall and proud. I am sure that our final year students have been well accepted in their job profiles and have consistently exceeded expectations of the corporate world.

Our students are academically sound and disciplined but they also organise various events like TATVA and EPC Club activities to showcase their talents under non technical, technical and cultural forums. I believe that my team consisting of ECE, staff, students and faculty is capable of doing wonders and will bring laurels to the CEC and the CGC group. It gives me a great opportunity to thank the editorial team of The Communique for successful launch of the eleventh Volume. I truly appreciate your nice efforts and wish you all the very best for your future strides.

**Exemplary Performance by T1 Student**

Ms. Purushotma, a student of IT Department made her way into the list of top 55 female Entrepreneurs out of 3000 contestants in the 2 day contest ‘Start Up Student Mentorship2018’ under the CANADA - INDIA ACCELERATION PROGRAM FOR WOMEN ENTREPRENEURS- A joint initiative of AICTE, INDIA AND CARLETON UNIVERSITY, CANADA.

** shimmering Stars of CEC**

**Academics outstanding PtU Results**

43 Students placed in Merit Position in 2018

- Aayushi Sharma-ECE
- Tanishq-IT
- Jasmine Badwal-IT
- Anriksh Jain-ME

**WOMAN ENTREPRENEUR**

- Sakshi Chawla-ECE
- Simranjeet Kaur-IT
- Nikhil Ahuja-ME

**SHINING STARS OF CEC**

**Academics outstanding PtU Results**

43 Students placed in Merit Position in 2018

- Gold Medal: Aayushi Sharma-ECE
- Silver Medal: Tanishq-IT
- Bronze Medal: Jasmine Badwal-IT
- Women Entrepreneur Medal: Anriksh Jain-ME

**The goal of Mechanical department is to provide high-quality engineering education that includes hands-on experience. Mechanical engineering, considered to be mother of all branches, involves conception, design, manufacturing and maintenance of almost all physical devices and systems. It is one of the broadest engineering disciplines offering students a wide range of career options. The department offers outstanding 4-year B.Tech. and M.Tech program in mechanical engineering that readies its students for taking on the challenges posed by today's rapidly changing technological environment. Our team of highly qualified and experienced faculty members is deeply committed to carve a distinct niche in the academic & professional world. The department has laboratory and workshop facilities with state-of-the-art equipment to carry out research in all areas related to Mechanical Engineering. Our objective is not to merely produce professionals capable to serve their own needs but Endeavour to serve the society with great concern for human values. My greetings and all good wishes to the editorial team of CEC News Magazine "The Communique."**
I am Aayushi Sharma, a graduate in Electronics and Communication, 2018 batch. College Phase is one of the most interesting stages of life that gives you an opportunity to explore and we all dive deep into the ocean of new beginnings and possibilities. This golden period equips you for all the challenges you'll face in life and creates a strong foundation of knowledge. My four years at CGC have been a perfect blend of joy and new experiences. It gives me immense pleasure to share my own experience of the magazine after being a part of it as the Student Editor during my initial years of B.Tech. Since first year, the college provided me ample opportunities beyond studies to explore myself. I got to work with various clubs as the Excelsior Club, American Chemical Society, Tech com Professional Society and Entrepreneurship Awareness Camps. This helped me to meet different people, interact with them, learn about their culture thereby contributing to self as a more evolved individual.

In addition, I also got an opportunity to participate in a competition sponsored by Government of India and won a prize of Rs. 1 lakh from Department of Science and Technology to complete my project. I also participated in International Competition CANSAT USA 2018 sponsored by NASA and secured 9th and 5th rank worldwide in 1st and 2nd rounds. Besides that I also filed two patents. These experiences taught me a valuable lesson that "learning is a continuous process".

After four years of being a Class Representative, a topper of my batch and a girl with an image "who is always into her Books" amongst her classmates came the real test of my life i.e. "PLACEMENTS". There is no saying that those who perform well in the university examinations are bookworms and are last to get placements. Like all others I used to study only before exams, bunk a little classes to have fun and participated in a lot of extra-curricular activities. So finally when I got the first one to be placed from ECE, I felt a little relieved that the myth is broken. So till date I am placed with two companies "ZS Associates" and "Capgemini". Both of these had offers with a good salary package and other benefits. I sincerely believe that the college, TPP Department and Faculty - all worked extremely hard for the future and we are making a lot for easy to get placement through campus as a fresher. A message for all my juniors, the secret to cracking placement drive is just to get placed in a pinch of hard work, a little class to have fun and sincerely focusing on your TPP Program.

I just want to share that the college holds abundant opportunities for each one of you. Just find your potential and keep driving towards your aspirations and ambitions along with substantial hard work in the right direction.

I am Sahil Sachdeva, a graduate in Mechanical Engineering, 2017 batch. I always had the dream of travelling the world & GC converted it into reality!! My interest in space got wings when I built a satellite with my Team Incassable for Cansat competition sponsored by NASA. Launching our satellite with scientists from NASA was something unbelievable. We were Asia's 3rd Best and World's 12th Best in successfully launching our satellite at Stephenville Texas, USA.

At CGC, I had multiple opportunities to take on leadership role in many events like Patrivan, TEDs, B-starters & more. I was a part of various International clubs like SAE (Society of Automotive Engineers) and ACS (American Chemical Society). I participated in ACS National Conference held in Washington DC, USA from August 20-24, 2017. I was conferred with an international travel grant of Rs. 1,00,000 by ACS to attend this conference.

In January 2018, I had the honour of receiving the leadership award from Young Chemists Committee, USA. Besides 14 students from USA winning the award, I was the only student among them to get the award across the globe to get this award winning a scholarship to attend this workshop. I was selected to attend the leadership workshop and receiving the award.

I visited a total of 16 cities in USA covering all the east, west and south coast. I was really thankful to CGC for 3 back to back golden opportunities to visit USA in a span of less than six months. All of my expeditions were financially sponsored by CGC & ACS.

I got placed in two reputed companies but my heart shifted onto entrepreneurship. So, I started my own company named "Takenz" which is an online book rental store. I hope to continue to elevate the name of INDIA up in every competition and to exercise leadership in all areas. I am very thankful to CGC including all the faculty members, management and everyone else who helped me make feel being on the top of the world. CGC has truly transformed my life and made my career.

I will never settle for anything less than the best.

Thankyou CGC

The best thing is in college is that you have to only gain knowledge and need not worry about just marks. Academic grades are just for formality. In placements, all that matters is your knowledge. The interviewer doesn’t judge you on how clear your academic scores, all they want is a perfect fit for their company, hence focus on your interests and lay down the road towards your dream company. The most important part in an interviewer’s point of view is to work hard on your semester projects, the projects you work on will enable you to grasp your field’s knowledge and implement in real life world.

When I joined this college I didn’t know anything about computer science. In my first year, I struggled hard to learn coding skills. Self-introspection was the key to know how much I know and what have I achieved till now. After 1.5 years I focused only on my project works and domain related competitions and I started improving myself. In present times of Internet, everything you strive for is available online. The most difficult part in it was to always focus because in college there are a number of deviations.

After this the most difficult part for me was placements. Because when I saw that I was even clearing the technical interview and my peers were getting placed. At that time one should not lose hope. Because in our campus there are a number placement drives that occur every year and a few companies it was my turn. I got placed in WIPRO and IBM process. It was the happiest time for me. But I didn't want to set for lower, so I hit for higher packages. And that resulted in getting me placed in renowned companies like Utrade solutions(a Fintech company), and world second largest company AMAZON.

For me, it was really a dream come true!!

I am Parvesh Garg, a graduate in Electrical and Communication Engineering, 2016 batch. I always had the interest and curiosity to explore my world, and to learn about things that are beyond imagination. With the ever-changing world and the fast-paced technology, it is necessary to have knowledge about various technologies. I always wanted to learn new things and explore the unknown.

In my first year, I struggled hard to learn coding skills. It was a challenge to follow the fast-paced technology and understand the concepts. I attended various workshops and training sessions conducted by the college. It helped me to grasp the fundamentals of programming and coding.

For me, it was really a dream come true!!
Guest Lectures, Workshops & Short Term Courses

Expert Lecture on the topic “Cyber Laws and ERP”

Department of IT conducted an Expert lecture on “Cyber Laws and ERP” for 5th & 7th Semester IT students. Dr. Himanshu Aggarwal, Professor CSE Deptt., Panjab University, Patiala, highlighted the concepts of “Cyber Laws and ERP.”

Dr. Aggarwal also explained the Concepts of ERP and its practical usage. He highlighted the basic concepts of Enterprise Resource Planning (ERP) software, the modern business management tools that let you manage all your processes systematically to perfection, can help you crack the market, providing you with a much-needed business lead.

The expert discussed that the term Cyber crime refers to all criminal activities done using the medium of communication technology components, the Internet, cyber space and the world wide web (www). Cyber crimes involve criminal activities that are traditional in nature, such as theft, fraud, forgery, defamation and mischief, all of which are subject to the Indian Penal Code.

The Department of Applied Sciences, Chandigarh Engineering College under the banner of Excelsior club organized an Expert lecture on the topic “DC Motors and Its Applications” for CSE and IT students. Dr. Shashi Poddar, Scientist from CSIR-CSIO Chandigarh was invited to deliver the lecture who enlightened the students with the types and working of different motors.

A Short term course on "App Development"

Department of IT organised the NITTTR sponsored ICT based STC on "App Development" for the faculty of IT and CSE. About 35 participants from various departments of the college participated in the course. The two sessions were taken by Er. Gurjit Singh, Assistant Professor, Department of CSE, PEC Chandigarh. and Er. Vandna, Soft Solutions Mohali, on Creating Layout and styles for Android Apps.

A Short term course on "Data Science using R"

Department of IT organised the NITTTR sponsored ICT based Short term course on "Data Science using R" for the faculty of IT and CSE. About 37 participants from various departments of the college participated in the course.

A Short term course on "Next Generation Wireless Technologies"

ECE Department organised a Short Term Course (STC) On "Next Generation Wireless Technologies" through ICT Sponsored by NITTTR. This programme was intended to provide the participants a common platform to share the knowledge, experience and innovation in the areas of Wireless Technologies and also an opportunity to interact with eminent personalities working in these areas. Experts from renowned institutes as IIT Ropar, CSIO Chandigarh, REMCOM and NITTTR Chandigarh imparted knowledge on topics such as 5G Fundamentals and Architecture, VANET Research and Challenges, Wireless planning using wireless insight, Edge computing and IOT etc. This STC was attended by faculty of Engineering from CEC Landran and CGCTC Jhanjeri.

IEDC Cell organized Entrepreneurship Awareness Camp (EAC)

IEDC cell of CEC organized an Entrepreneurship Awareness Camp (EAC) to create awareness among S&T students to opt for Entrepreneurship as a career. The program comprised of 12 sessions in which the students learnt how to open a new Enterprise (Business), to arrange funds, to market the product and students also got a chance to interact with entrepreneur (Mr. Dinesh, MD Siemens, Panchkula) through an Industrial visit at Siemens, Panchkula.

The college organizes various short term courses for the faculty to improve their teaching and learning skills. Academic short term courses also contribute to their knowledge, resume and experience.

Workshops
Students of CEC participate in various workshops to develop their skills of learning, communicating, listening and building new bonds which has immense value for them as well as for their upcoming future.

Workshop on Optimization Techniques

The Department of Mechanical Engineering organized a two day workshop for Mechanical students on the topic ‘Optimization Techniques In Mechanical Engineering.’ Dr. Ekta Singla, HOD, IIT Ropar presided over the workshop. The students participating in the workshop, learnt about the latest optimization techniques in ME to achieve futuristic design goals including maximizing a desired quality or minimizing of an undesired one in order to achieve minimum manufacturing cost and maximum component life.

Seminar on Internet of Things (IOT)

Electronics Project Club of ECE department organised a seminar on ‘IOT’ for 3rd semester students. Industry expert Er. Vimal Sharma (P&D in IOT) with 6 years of experience from K1 Launchpad, an authorized franchise of TIMTS was invited.
Debate Competition
The Excelsior Club, Department of Applied Sciences CEC organized a Debate Competition on "NEWS CHANNELS - BREAKING RULES TO GIVE BREAKING NEWS." The objective of the competition was to enable young students to find truth from facts and improve their logical thinking ability. About 32 talented and budding orators of 1st year spoke in favor and against the motion. The participants were judged on the basis of their content, coherence, fluency, Lexicality and body language.
Dr. Rohit Verma , HOD Applied Sciences, spoke highly of all the debaters for their logical arguments and convincing presentation views.
1st position : Khudhi Bahbar
2nd position : Raghav Thapar
3rd position : Chirag Jindal
The competition concluded with the distribution of certificates by the HOD, Applied Sciences.

Quiz Competition
The Excelsior Club, Department of Applied Sciences CEC organized a Quiz competition to test the technical abilities as well as general awareness of B.Tech 1st year students.
The Quiz had 3 rounds- Account Opener, Need for Speed and Identify the Logo round. Every round was a mixed bag of questions from Science, language, Maths and BEE. The Logo round was a buzzer round which generated a lot of buzz and excitement among the audience too.
The winner team comprised of Mithil Mittal and Himanshu Agarwal. The team of Ayush Saini and Akashdeep Chatterjee won the 2nd place. The event concluded with the distribution of Appreciation certificates to the winners as well as the participants.

ACS Club organized Exuberance 2018
The ACS (American Chemical Society) Club of Applied Science Department organized “Exuberance 2018” under ACS Student Chapter. The American Chemical Society (ACS) is the world’s largest scientific society and one of the world's leading sources of authoritative scientific information. A nonprofit organization, chartered by Congress, ACS is at the forefront of the evolving worldwide chemistry enterprise and the premier professional home for chemists, chemical engineers and related professions around the globe.
A kaleidoscopic energy packed technical and cultural programme comprised of Group Dance, Singing, Skit, Bhangra, Debugging, Open Mic, Group Discussion, Pub G, Cross-fit, Nail Art, Treasure Hunt, Rangoli, Poster Making, Chemistry Quiz, Chemistry Projects and Tick - Tock. It was followed by Cultural Programme and Award giving Ceremony in which all the winners were awarded with cash prizes, trophies and certificates.

CSE STUDENTS PARTICIPATED IN NASA SPACE APP CHALLENGE 2K18
A team named DATA ANALYSTS comprising of five students participated in NASA SPACE APP CHALLENGE 2K18 held at Chandigarh University.
The challenge was to develop an application for prediction, detection and visualization of forest fire and our students developed a code in python using machine learning algorithms to achieve their aim. The team got third prize in North Region with a cash prize of Rs. 2000 and an appreciation certificate for their efforts to address the challenges on earth and in space.

Singing Competition
The Excelsior Club, Department of Applied Sciences organized a Solo Song Competition to bring out the Singing talent of 1st year students. A total of 20 students participated in the event.
The students entertained the audience with their enthralling performance showing their mastery over voice modulation, pitch, rhythm and tone. The panel of judges included some of the senior students of CEC- Harshit, Rahul and Vanshika who had acclaimed recognition and won many prestigious awards at state and national level in the field of music and singing.
The participants were all appreciated by the judges and faculty and the winners were awarded with certificates.
The winners of the competition were:
1st position - Toshib
2nd position - Brinash Mathur
3rd position - Kritika and Tanveer Kaur

Eminence 2K18
Department of Information Technology, Chandigarh Engineering College, Landran, organized Inter-Departmental Technical cum Co-Curricular activities under “Eminence 2K18” to provide students exposure and platform to showcase their skills in various fields.
The events were divided into two categories:
1. Technical - The technical activities included Project display, Tech Roudlies, Tech Hunt, Debugging, Web Designing and Blind Coding.
2. Non-Technical - The Non-technical activities included Personality Development, Scavenger Hunt, Riddle me out, Cross Fit, Dark Room and a Gaming Arena (PUBG, CS GO, and NFS).

Phoenix Club - CSE
Phoenix club of CSE Department organized ZABA VA event for B.Tech. 3rd & 5th Semester students. It was a one-day event which ensured overall exposure of students from technical to non technical and cultural events.
The four Events organized in Zabava were Open Mike, Web Designing, War of 5 and Mock SSB which attracted a large number of students from the college.

Techcom Club & Electronics Project Club
The Department of ECE has 2 clubs:
TECHCOM CLUB which organizes TATVA, a techno cultural event.
ELECTRONICS PROJECT CLUB which organizes Radio Day and also runs a project lab where students share their project ideas and make projects.
CEC students Bagged Laurels in the PTU Youth Zonal Fest

CEC students participated actively in the PTU Cultural Youth Zonal Fest held at Gian Jyoti Institute of Management and Technology, Mohali from 21st October to 23rd October 2018. Organized by the Department of Youth Affairs, PTU, the theme of the fest was "Youth Against Drugs." The fest was a vibrant one with different cultural activities and a number of enthusiastic participants from various colleges of the region. The students of CEC demonstrated their comprehensive blend of skills and creative talents and won top positions across events. Aayushi Panchal and Lakshya Saxena bagged Gold Medal in Debate competition. In Creative writing, Gold and Bronze medals were won by Gitanjali Bhutani and Aayushi Panchal respectively. Unnati Bindal won a silver medal in Eloquation. Simranjeet Singh also got Silver in Folk Singing. CEC Bhangra team and One Act play team bagged Silver and Bronze medals respectively.

All the winners qualified for Inter zonal Youth Fest held at DAVIET Jalandhar in which Unnati Bindal bagged a silver medal in overall eloquation and a Bronze in the Best speaker category. Gitanjali Bhutani won a Bronze in Creative writing competition.

SPORTY SPIRITS

Besides academics, CEC gives due importance to sports and encourages its students to participate in various sports activities to ensure their physical fitness. Our students participated in different sports and athletic events and emerged winners with a huge tally of medals across PTU inter college tournaments.

CEC Girls and Boys are Handball Champs

CEC Boys and Girls proved their mettle in IKGPTU Handball inter college Tournament held at SUS, Tangori winning all their league matches. Both the teams played against their formidable opponents and lifted the Champion's Trophy along with glittering Gold Medals. The boys badminton team stood 2nd Runners up at the inter college Badminton Tournament held at PIMT, Khanna organized by IKGPTU. A team comprising of four players from CSE, ECE and ME Department performed brilliantly as they went on to win 4 out of 5 matches and clinched Bronze medal for their performance.

FOOTBALL (MEN) : CEC Football team won Bronze medal in the PTU Inter college Football Tournament held at GTB Dhaka, Ludhiana.

WEIGHT LIFTING (MEN)

Krishab Rishu Bhasin, Naval Kishore,Gaurav Chamyal from ME, Ayush Ranjan from CSE and Jaspreet Singh from IT clinched GOLD medals and Utkarsh Kapoor from ECE, Shailash Kaushik and Manik from ME and Kanav Khera from CSE won SILVER medals in the inter college Weight lifting Tournament held at CGC campus, Landran. Ranjan from CSE and Jaspreet Singh from IT clinched GOLD medals and Utkarsh Kapoor from ECE, Shailash Kaushik and Manik from ME and Kanav Khera from CSE won SILVER medals in the inter college Weight lifting Tournament held at CGC campus, Landran. Kanav Khera from CSE won SILVER medals in the inter college Weight lifting Tournament held at CGC campus, Landran.

POWER LIFTING (MEN)

Karan Singh, Manik Kumar and Anshul Soni from ME bagged GOLD medals and Vansh Vasisi and Prayat Mahajan from ME bagged SILVER medals in the inter college Power lifting Tournament held at CGC campus, Landran.

BEST PHYSIQUE (MEN)

Dhruv Kumar, Pavansh and Sahil Tyagi from ME and Jatin from IT clinched GOLD medals, Mohit Chauhan from ECE won SILVER and Mohd. Yusuf from ECE won BRONZE medal in the Inter college Best Physique Tournament held at CGC campus, Landran.