Building Careers.
Transforming Lives.

The communiqué
A quarterly Newsmagazine | Volume-9

An Institution of Excellence

CHIEF EDITOR
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Director Principal
Chandigarh Engineering College

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MESSAGE BY CAMPUS DIRECTOR

Dear Readers,

Heartly Greetings!

The untiring efforts put in by the editorial team of the Quarterly Digital News Magazine 'The Communique' for bringing CEC, CEC's Landran activities to the fore are highly commendable.

I strongly believe that the inner strength of any educational institute revolves about healthy faculty-student interpersonal relationship. Such platform significantly helps faculty and students alike to present their ideas in a cogent and substantive manner and run a thorough scan of the flashback of the events. This is a befitting platform provided to the students to express their ideas with liberty, channelize their hidden talent and hone their thought-process and writing skills. Such sort of unique initiatives tap into students' hidden potential, eventually helping them realize their potential in other areas of interest.

The students on their part should render their support and cooperation to the faculty members to continually improve and create new milestones in their future endeavors. I wish, may this magazine set new standards in enhancing students' productivity by widening the horizons of their minds and make sure students add additional attributes to their characteristic traits, eventually helping them to score cut above their contemporaries as they begin their professional journeys.

MESSAGE BY DIRECTOR PRINCIPAL

At the outset, I would like to extend my greetings to the readers and best wishes for a successful and rewarding career ahead.

I am very happy to know that CEC has been bringing out this News Magazine since January 2016 to mark the growth chart of our college besides serving as a platform for the students and faculty to nurture their skills and creative talents.

Technical education is the backbone of every nation. CEC has significantly contributed to meet the challenges of the highly competitive global industrial market. The engineering students being the movers of technology and change agents for nation building, it is my fervent desire that they make use of each and every available opportunity for learning either within or outside the campus so as to empower themselves with the latest technical and even non-technical skills to meet the challenges of the highly competitive global industrial market.

I appreciate the efforts of the editorial team for bringing out this publication and wish greater success to them in this endeavor in the coming time.

EXPERT LECTURE (ECE)

A special lecture on the topic “GSM Networks” was delivered by the in-house faculty “Mr. Champreet Kaur”, Assistant Professor, Department of ECE to the 3rd semester students on 13th October 2017. The main objective of this activity was to enhance the technical knowledge and skills of the students in the field of wireless communication. A total of 70 students attended the lecture.

INDUSTRIAL VISIT OF ACS STUDENTS

The ACS(American Chemical Society) Club of Applied Sciences, Department of Chandigarh Engineering College organized an Industrial visit to Ludhiana Beverages Private Limited (LBPL). Ludhiana exclusively for ACS students on 10th February 2018. The visit was organized with an initiative of ACS club co-coordinator-Dr. Meena Devi and two other faculty members Ms. Monika Sharma and Dr. Bikramjit Singh under the able guidance of Dr. Ajay Vashisht, Head of the department. Organizing Industrial visits is a vital and a regular feature of CEC’s aim to make its students aware about the latest industry and corporate standards. It helps to bridge the gap between classroom and the real working world. The visit also provided first-hand knowledge about the organizational structure and modes of operation of the industry.

EXPERT LECTURE ON SPECTROSCOPY AND ITS APPLICATIONS

Dr. K. S. Viswanathan, a distinguished Professor from IISER (Indian Institute of Science Education & Research) Mohali, a specialist in the area of Spectroscopy addressed the faculty and students of the Department of Applied Sciences, Chandigarh Engineering College on 09 March 2018. A total of 376 students from CSE and IT attended the lecture in two sessions. The learned speaker dwelled on a wide range of topics related to Spectroscopy from basic principles to various applications. The students felt highly inspired by the session and received a chance to participate in an interactive session as well.

LIVE INTERACTIVE SESSION ON "METAL CUTTING AND MACHINE TOOLS"

The Department of ME, CEC, arranged to conduct a lecture on the subject “Metal Cutting and Machine Tools” by Asimava Roy Choudhury, a renowned professor of IIT, Kharagpur through online mode on 15th March 2018 for the benefit of its 4th semester students. The lecture covered a wide range of topics involved in the manufacturing processes for tool cutting. A total of 80 students attended the session. The lecture was followed by an interactive session.

SHORT TERM COURSES IN ELECTRONICS BY FACULTY

Ravneet Kaur, Assistant Professor of BEEE in the department of Applied Sciences attended a short term course on "EDA Tools for Electronics System Design (ETEDS-2018)" at NIT Hamirpur from 1st January to 5th January 2018. The course included the design trends in the fields of VLSI, Communication, MEMS and Electronics. Industry standard EDA tools like TCAD, Quantum wise nano virtual lab, MATLAB, Tanner, Cadence, COMSOL and NS2 were demonstrated and taught. The course provided an exposure in the emerging field of VLSI, MEMS and communication system design.

WORKSHOP ON CLOUD COMPUTING (CSE)

The department of CSE held a workshop on "Cloud Computing and Web Services" on 10th January 2018. Neeraj Singla , Assistant professor, CSE Department, conducted the practical workshop and demonstrated the use of cloud web services. The students were also given project assignments for further exploration on the subject by themselves.
Students Achievements

CEC STUDENTS SECURE 3RD POSITION IN THE TECH-INVENT EVENT
A team of 4 students named "M3N" from the department of Mechanical participated in the INNO-TECH competition-2018 organized by Pushpa Gujral Science City, Kapurthala at Jalandhar from 18th to 19th March 2018. The team displayed one of its patented project titled "LDR based Bus Window Safety System" in this national level competition. Besides the 2nd position, the team was also awarded with a trophy, merit certificates and a cash prize of Rs. 7000.

The same team also participated in TECH INVENT competition organized by the Chandigarh University, Gharaun from 26th to 27th March 2018. The team put up their project "LDR based Bus Window Safety System" on display and won the overall 3rd position along with merit certificates and a cash prize of Rs. 1000.

CEC WINS ACCOLADES IN KARTING
A team of Mechanical students named as "NEOPHYTE" participated in the international series of Karting (ISK) event held from 20th February to 1st March 2018 at Visakhapatnam. Judged as the lightest and the swiftest among all, CEC kart was declared as the 1st Runner up and also won a cash prize of Rs. 1.20 lacs.

GOKART
Team neophyte from CGC Landran participated in the event ISK (international series of karting) 2018 held in Visakhapatnam. The Team was 1st runner-up and also won the cash prize of 1.20 lakh. The kart was awarded with lightest and swiftest kart award.

YOUNG SCIENTISTS SHOW THEIR SCIENTIFIC TEMPER AT IIT ROPAR
Five young scientists from the department of Applied Sciences participated in the events "Young Scientist" and "Live Imitator at "Advinsya 2018 organized by IIT Ropar on 24th March 2018. The students showcased their scientific innovations through their projects and were awarded with cash prizes and certificates.

Events

Mechanical Department have successfully organized Two day workshop on CAD Software "Solid works" for the 2nd and 4th semester students by the under the expertise service from SML & ISUZU Research and development center. Mr. Himanshu is design experts from the same. He has explored this software in micro level where students were get highly appreciated and they have shown very enthusiastic response after completion of this workshop. It was fruitful experience for the students to gain the detailed knowledge of this software. Details about the activity Program has covered following topics: 1. Basic Concepts of Solid works software 2. Function tools 3. Drawing tools 4. Briefing of all the major commands 5. 2D and 3D modeling both Surface and Solid Modeling

Outcome
The Knowledge and Technological advancement in engineering is the main concept of this seminar and everyone has to change and be the part of advancement.

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Paper presented
Pawan Nain, AP, MED, CEC
Title: Optimization of Process Parameters for WEDM of Inconel 825 Using Grey Relational Analysis, (Decision Science Letters has been indexed by Scopus, DOAJ and Scimago)
Abstract: Inconel 825 is high nickel-chromium-based superalloy which retains its mechanical properties and exhibits good corrosion and oxidation resistance at elevated temperature. Inconel 825 is extensively used for making aircraft engine parts like combustor casing and turbine blades in aerospace industry. This research proposed the Response Surface Methodology with GRA to optimize multiple responses during Wire-cut EDM of Inconel 825. At optimum combination of input parameters i.e. A4B1C1D5E4F2, increase in MRR from 36.13 mm2/min to 41.82 mm2/min, decrease in SR from 2.842 μm to 2.445 μm and decrease in WWR from 0.01832 to 0.01758 was obtained. Experimental results showed that pulse-on time, wire feed, pulse-off time, and peak current significantly affected the MRR, and surface integrity of specimen and electrode with the formation of craters, poxmarks, debris, micro cracks, and recast layer. The optimal parametric combination obtained from the present study will be advantageous for working on high strength, high thermal conductivity and low melting point materials like nickel alloys.

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The students got the chance to participate in National Level Project Exhibition Competition. Team The M3N from Mechanical department participated in this event. The Team represented their college with the project named as LDR Based BWS System. They cleared the round of judging & evaluation successfully and secured the 3rd position in the event. The students got the cash prize of Rs.1000/- and merit certificates. Their efforts were also appreciated by all the judges and Chief Guests too.

The Grand Finale of Smart India Hackathon 2018 held on 30—31 March at CGC was a great success. More than 40 teams from all over the country became part of it and enthusiastically worked on their respective ideas to technologically find solutions to various problems in 36 hours. This year the problem statements revolved around agriculture and farmer welfare.

There was a splendid opening ceremony in which the teams were motivated by Dr. Anand Deshpande (Co chair smart India hackathon) and shri Prakash Javedkar (honourable Minister of HRD) through video speeches.

There were arrangements for recreational games like chess and activities like zumba and yoga for rejuvenating the participants after tiring hours of coding.

Honourable Prime Minister of India Mr. Narendra Modi addressed the participants at various nodal centres around the country through a live session on the evening of 30th March and it was the major highlight of the event.

There were 3 judgement rounds at different intervals after which 10 teams were short listed for the power judgement round. Meanwhile the rest of the teams enjoyed entertaining cultural performances of the closing ceremony. The honourable Chief guest for the evening Dr. K.S. Srinivas (Joint Secretary IT, Ministry of Farmers’ and agriculture welfare) interacted with the audience before the declaration of the results.

The participants appreciated the management and hospitality with which they were treated at CGC. Smart India hackathon 2018 at CGC ended with good cheers and set a benchmark for itself.

Events

CU TECH INVENT-2018

The team "The M3N" of Mechanical Engineering department, CEC, participated in National Level Project Display Competition held at Pushpa Gujral Science City, Kapurthala, Jalandhar. The team represented the college with the project named as LDR Based Bus Window Safety (BWS) System, this project is patented by them. They cleared all three rounds of judgment panel successfully and secured the 2nd position in the mechatronics category. The students got the cash prize of Rs.7000, Trophy and merit certificates. Their efforts were also appreciated by all the judges and Chief Guests in their guest lecture.

Events

Celebrated National Youth Day in Applied Sciences

The Excelsior club, Department of Applied Sciences, CEC celebrated National Youth Day on 12th January 2018 to commemorate the birth anniversary of Swami Vivekananda who was the creator of modern India. On this occasion, a video on the life history of Swami Vivekananda, an intellectual and a source of inspiration for the Indian youth was screened for the students.

The aim of celebrating this day was to share the ideas and ideals of Swami Vivekananda among the youth of India as the youth is the most important segment of the country which can lead the country ahead. It is a great way to wake up the eternal energy of the youth.

A Debate competition on the topic 'Can Indian Youth act like magnets and attract world to India?' was held and the students presented their views for and against the mad rush of youth going abroad for greener pastures rather than retaining the youth power within India. In addition, a slogan writing competition to promote the high ideals of Swami Vivekananda and an logo competition were also held for the students to mark the day. Dr. Vikas Dhawan, Director Principal CEC while addressing the students emphasized upon the importance of youth power and advised the students to follow the moral values laid down by the great Swami Vivekananda.

The winners of various competitions were awarded with cash prizes, certificates and trophies.
NATIONAL SCIENCE DAY CELEBRATED
The Excelsior Club, Department of Applied Sciences celebrated "National Science Day" on 28th February 2018 to promote scientific temperament among the students. This day is celebrated each year to mark the discovery of the Raman effect by Indian physicist Sir C V Raman on 28 February 1928 for which he was awarded Nobel Prize in Physics in 1930. Many technical, non-technical and cultural events were conducted on this occasion to mark the day. The students prepared many innovative science projects which were judged by a panel of eminent judges. The winners were awarded with cash prizes, trophies and certificates by Dr. Vikas Dhawan, Director Principal, CEC.

College life is a very important part of every individual’s life. That’s when we have to take a very important decision. That’s regarding one’s career. College broadens one’s horizon. A broader platform to understand and prove ourselves. Need to be more responsible automatically come in the way. It’s a place where we create a foundation of our life. It’s a place where we find and create ourselves. And this is where CGC came into picture for me.

CGC is a very memorable part of my personal diary. And it is close to the heart. If we are self-conscious, we will do both hard work and fun at a balance and thus make the most of it here. Only fun will destroy us. And only responsibility will deprive us from a fun-filled experience. Those 4 precious years of my life here were not less than a life changing experience for me. And I could see the transformation I had been through over these years spent and at the end I got a fruitful result for that too.

Anoushka Tiwari speaks on her success in the Modelling world
Success is not measured in years but the moments and days of achievement.

The day I stepped in CGC in 2k15, marked many success spots as this land has given me much more in these 3 years. From that day, till today I have been groomed into a person who has achieved great heights and all of cannot be counted but I would like to highlight some of them.

In the year 2k15, I bagged a total of 2 titles as the Miss Fresher CEC & Miss Clean & Fresh Face of Chandigarh. All the hard work put in was with my toes but there I couldn’t have stood up without the support of my teachers. From me being a model in college I got selected for becoming Miss.Punjab -1st runner's up on 30th-July-2017. There it took a fly-off to a 6 month program of tasks and voting for which the grand finale of Miss India Khadi was held on 30th-Dec-2017 in which I was awarded as Miss India Intellectual of 2k17. I would really like to thank each & every one supported. I am thankful to CGC for each & everything I was provided as a guide. I would look forward to achieve many more like those, with your love, support & blessings.

Thank you
Anoushka Tiwari | B.Tech-ECE | 6th sem

Pankaj Kothari

Meaning of my name reveals my secreted feelings. I believe in spreading fragrance wherever I go and leaving a trail of redolent memories to whomsoever I meet!

Hailing from a family having a rich lineage of Army background, I’ve always nurtured the dream of serving in the Armed Forces with twinkling stars pinned onto my shoulders. Over the time, a new passion sprouted in me, which was about addressing the maximum number of people from the stage and captivate them with my sharp wits and quirky speeches. Gradually, my this particular interest converted into passion and I loved seeing myself get on the stage, take a humble bow at the massive crowd before me and stand stately at the podium through the show. My campus CGC has always served a springboard pushing my dreams into new skies with powerful thrust. Owing to this, today I flaunt a coveted profile of being a co-ordinator of lot many events happening in and out of the campus. So far, apart from hosting scores of events within campus comprising Army Day, Kargil Vijay Divas etc I’ve also competed Lakme Fashion Week Audition; Miss India Khadi India 2017, Indian Army Flower Festival 2018, Jose Corporate Awards to name a few.

If getting into Army is my soul, staging a show has definitely become my heart. Signing off with a thought that I always hanker for building a special castle for myself with plate fixed to the entrance with a quote emblazoned on it; ‘THE SHOW MUST GO ON’.

Aditya Nanda
BYJUS 9 LPA

I am thankful to CGC for each & everything I was provided as a guide. I would look really like to thank each & every one supported. I am thankful to CGC for each & everything I was provided as a guide. I would look forward to achieve many more like those, with your love, support & blessings.

Thank you
Anoushka Tiwari | B.Tech-ECE | 6th sem
WHAT IS YOUR PRIORITY

It's just a matter of priorities to own a five square feet of commercial space at Nariman Point or five acres of natural wilderness in the Konkan. Both cost the same! It's a matter of choice, to join the money making rat race in your imported, air conditioned BMW on the busy noisy, neon-lit high street or withdraw into slow lane, with shady trees and chirping birds, working with love, joy and compassion. The choice is yours!!

A matter of choice in one's idea of enjoyment, to sip scotch, in gaudy, gossipy, glamorous clutter dressed in perfumed, imported designer clothes or, it could be a naked dip in the roaring seas, a walk amidst fragrant, blossoming trees, and a quiet uncluttering of one's inner spaces, The choice is yours.
The superficial or the intrinsic...

KK CHAUDHARY
B.Tech Mechanical-G

Road to success

“Success is walking from failure to failure without loss of enthusiasm”, a great quote by Winston Churchill. It is rightly said that success only comes to those who are too busy searching for it. In today’s world, everyone is running after success. They are ready to use unfair means to gain success. But people don’t know the worth of success gained by sole hard work.

For students, in this stage of life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their life, many things such as substance abuse, attraction to the opposite gender hinder their lives.

Success demands hard work, perseverance, consistency and determination. A person with the above qualities often is ahead of his peers in the race for success, it may be that he gets it later or sooner in his life but he gets for sure. You may have to go through several hardships but in the end you feel great as all your hardships pay you rewards. In our life, we come across many people in our daily life who demotivate us but the one who refuses to stop is the one who reaches the end of journey. Time is an asset which one cannot afford to waste because each minute wasted by us is utilized by someone else to reach a step ahead to success. Therefore, we should use every bit of our life in making it the best and inspiring for others. At last, I would like to say, “Some people dream of success while others wake up and work for it”.

So keep working and hope for the best.
Ashutosh Kumra
IT-F, 1703242

CREATIVE WRITING

DOODLING

Doodling is randomly scribbling down what is in our mind. It is a spontaneous act of drawing. Rather than getting into so much of mess of colors, I like to pen down my thoughts with doodling with pen.

The top most reason to doodle is that it helps me to concentrate to generate ideas. Moreover, a very amazing thing about doodling is that it relieves stress.

A Doodler has his own set of patterns which provides relief in psychological distress.

There is no restriction on what to doodle. You can doodle anything, whatever is close to you or things you love like food, people, places, animals, characters or story etc.

Where to find Peace?

Every day we keep struggling. Numerous thoughts in our mind keep struggling. All we want is peace.

We keep searching for it in the daylight And in our sleep during the night But the peace which we cannot find Rests in our mind.

We run for glitter Those small winds can litter But the peace which we cannot find Rests in our mind.

Name: Shrestha Pratik
ECE-F

BADMINTON (MEN)

CEC team won Silver Medal and claimed overall 2nd position in the PTU Inter College Badminton Tournament held at DAVIET, Jalandhar from 3rd October to 5th October 2017.

ATHLETIC MEET (MEN and WOMEN)

CEC Athletic team comprising of 15 boys and 11 girls participated in the IKGPTU Zonal and Inter Zonal Athletic Meet held at RIEIT from 8th to 10th March 2018 and hogged the limelight by winning 12 GOLD, 10 SILVER and 6 BRONZE MEDALS in both the Men and Women sections and also claimed the overall CHAMPIONSHIP TROPHY in the tournament.

BAKETBALL (MEN & WOMEN)

The inter college basketball tournament organised by J.K. Gujral Punjab Technical University was held from 9th to 11th of October 2017 at PMIT Khanna. Both the boys and girls teams of CEC, Landran bagged the 1st position winning a GOLD each. The girls team had won it for the 4th time in a row.

The teams included 10 girls and 12 boys.