



PRINCIPAL'S MESSAGE

With technology spreading its wings to all walks of life, there is a need of ever widening knowledge base. Chandigarh College of Engineering and Technology (CCET) - Degree Wing has risen the occasion and resolves to provide talented, skilled and highly competent technical human resources to industry & society. The students have reiterated their efforts in co-curricular and academics in synchronization with what the industry requires. The faculty members and students have showcased their zeal for knowledge with their research projects and internships I wish all the very best to all the students who have proved their mettle in academics and extracurricular activities. We believe that success is inevitable where fore sightedness, firm determination, hard work and discipline exist. I specially congratulate our student Mr. Gursheesh Singh (CSE III year) for winning Gold Medal in India Skill Competition and Mr. Rajat Joshi (ME IV year) for winning Bronze Medal in the India Skill Competition. I also congratulate Mr. Japtyesh Singh (CE I Year) for winning two Gold medals in All India Inter University Shooting Competition 2018 representing Panjab University, Chandigarh and three silver medals in All India National Shooting Championship Competition. I commend Institute Publication Cell for publishing the new issue of the college newsletter.

-Dr. M.S. Gujral, Principal, CCET (Degree Wing)

INDIA SKILL COMPETITION 2018

Under the aegis of UT Chandigarh Skill Development Mission, the students of CCET (Degree Wing), Chandigarh, Mr. Rajat Joshi (ME) got 3rd position (Bronze Medal) & prize money of Rs 50,000/- in Mechanical Engineering CAD and Mr. Gursheesh Singh (CSE) got 1st position (Gold Medal) & prize money of Rs 1,00,000/- in IT Software Solutions for Business Skill (ITSSB) in India Skill Competition 2018 from 2nd to 6th Oct., 2018 at Aerocity, Delhi.



WORLD SKILL ASIA COMPETITION

After winning first position at National Competition Mr. Gursheesh participated in World Skills Asia Competition 2018 Abu Dhabi, held from 25th Nov. to 1st Dec., 2018 . He will now represent India in ITSSB Skill World Skill Competition 2019 at Kazan, Russia.

Dr. Amit Chhabra, AP(CSE) participated as Expert in Information Technology Software Solution for Business skill during the event.



IIEDC - ENTREPRENEURSHIP AWARENESS CAMP



The Institute Innovation and Entrepreneurship Development Cell (IIEDC) organized an Entrepreneurship Awareness Camp (EAC) of three days (12th to 14th Sept., 2018) at CCET (Degree Wing), which was sponsored by National Science & Technology Entrepreneurship Development Board (NSTEDB) & Department of Science & Technology (DST), Govt. of India. The camp focused on making students aware about entrepreneurship as alternate career option. There were expert lectures held in collaboration with NITTTT

Chandigarh, CSIO Chandigarh, MGSIPA Chandigarh, Indian Bank Chandigarh and Chandigarh Angels Network and various entrepreneurs. The camp was followed by an industrial visit to EDC (IT Park). DST has provided Rs 20,000/- to CCET (Degree Wing) for organizing this Entrepreneurship Awareness Camp (EAC).

INNOVATIVE PRODUCT DESIGN (IPD)- 2018

IIEDC of CCET (Degree Wing) organized Innovative Project Design (IPD) – EXPO 2018 on 7th Sep. 2018. More than 100 2nd year students (Batch 2017) of all branches of CCET (Degree Wing), Chitkara University and Chandigarh University Gharuan, participated with great enthusiasm. Sh. Sachin Rana, IAS, Special Secretary Technical Education cum Director Technical Education, Chandigarh UT Administration was the Chief Guest and he appreciated the students for their hard work and innovation in the field of engineering and technology. In IPD Expo students showcased their innovative projects. The following were the winners of the competition.



Positions	Institute/Dept	Student Name	Project
1 st	CCET/CSE	Ashish & Sagar	Gesture based automation
2 nd	CCET/CSE	Abhijit, Siddharth, Keshav	Online quiz for C programming
3 rd	CCET/CSE	Ayush, Ritika	Breeze
1 st	Chitkara Univ./ECE	Ekansh, Fiza	Automation System
2 nd	CCET/ECE	Damanpreet, Asha, Shruti	Smart and safe automation
3 rd	CCET/ECE	Ashwin, Sarabjeet, Sahil	Dual Axis Active Solar Tracking System
1 st	CCET/Mech.	Manpreet, Khushdeep	Solar Oil Skimmer
2 nd	CCET/Mech.	Harshit, Himansu	Rocker Bogie Robot
3 rd	Chandigarh Univ./Mech.	Aayush, Ashish, Shourya	Food optimizing and chain aspects
1 st	CCET/Civil	Vidit, Naman, Karan, Rajan, Nikhil, Jagdeep, Rajan, Nikil, Umesh	Eco-City
2 nd	CCET/Civil	Kamarpal, Jaskaran, Sanchit, Jatinder, Gurpreet, Yogesh, Nitin	Reuse of Municipal Solid waste
3 rd	CCET/Civil	Shine, Anubhav, Harsh, Vanshika, Shubham, Mayank, Abhijeet	Turbulent & Bio Mimicry

TRAINING AND PLACEMENT CELL

Training and placement cell has been instrumental in achieving new echelons in securing placements for students due to its perpetual efforts. Adding another feather to its cap this year. About 87% of CSE students and 79% of ECE students have been placed till now. Infosys as our mass recruiter selected 46 students and Jaro Education offered the highest package of 12.2 lakhs. Godrej recruited 8 students of Mechanical Engineering branch.

Sr. No.	Company Name	No. of Students placed
1.	Infosys	46
2.	Jugnoo	10
3.	Quark	9
4.	Godrej	8
5.	Gemini Solutions	4
6.	uTrade	3
7.	IFB	2

Common Placement cell of Chandigarh

Chandigarh administration formed Common Placement Cell (CPC) this year under the chairmanship of our principal Dr. M. S. Gujral. The main endeavor of CPC, Technical Education is to get students placed in reputed multinationals, government organizations, NGO's and the private sectors. The CPC will liaison with corporate organizations to provide suitable jobs and internship for the candidates completing their studies from ITIs, polytechnics, and degree colleges.

Workshop on cyber security

A workshop was held for the final year students of CSE & ECE Department on 26th Oct., 2018 on cyber security in collaboration with Cyber Defence Intelligence, Mohali. The workshop aimed on making the students aware about cyber security and also about the future scope in this sector.



APRATIM 2018

The institute celebrated its annual techno - cultural fest APRATIM 2018 on 11th-12th Oct., 2018. The two day fest was blessed with the presence of Hon'ble chief guest Sh. Sachin Rana, IAS Special Secretary Technical Education cum Director Technical Education, Chandigarh Administration, Dr. M.S Gujral Principal, CCET (Degree Wing) and faculty members Reincarnating the spirit of the fest with its cultural theme "Satva Rajas Tamas" and the social theme "Serving Humanity", the fest saw the participation of more than 30 teams and 250+ participants from various colleges in various events like Dance, Dramatics and Technical Events. In the first day evening, Harf Cheema enthralled the audience and the mega event was concluded with the performance of Punjabi sensation B-Praak on the evening of second day.





LEGAL LITERACY CLUB

The Legal Literacy Club of CCET (Degree Wing) organized a lecture on "Legal Awareness" on 9th Aug., 2018 for the first year students. Mr. Rajeshwar, an esteemed Law Officer, State Legal Service Authority, Chandigarh was the expert speaker for the occasion.

ELECTORAL LITERACY CLUB

The Electoral Literacy Club of CCET (Degree wing) organized a training on "Electoral Literacy" on 10th Sept., 2018 in collaboration with State Election Commission.



- CCET (Degree Wing) has signed a contract with SBI General Insurance for the Life insurance of all the 1,100 students of our college.
- CCET (Degree Wing) has implemented online attendance and result system through E-Akademic portal. Attendance and result of first year of all branches is being maintained through this system from the current session onwards.
- Some students of CCET (Degree Wing) have grabbed very good ranks in competitive exams like GRE , Toffel etc. Details are given below:

Sr. No.	Name	Branch	Exam/Score
1.	Rajwinder Singh	CSE	GRE- 322/340, TOEFL- 111/120
2.	Suhelbeer Singh Sandhu	ECE	GRE- 320/340, TOEFL- 111/120
3.	Sagar Virk	Mechanical	GRE- 321/340, TOEFL- 111/120
4.	Vasu Garg	CSE	GRE- 320/340
5.	Aakriti Gupta	CSE	GMAT- 700/800

SPORTS

Inter College Punjab University Tournament 2017-18 was held in the month of November, 2017 at Punjab University where teams from various colleges participated in different sports events. The teams of the CCET (Degree Wing) participated in Football, Badminton, Athletics and Volleyball events of the tournament.

- 🏆 Japtyesh Singh from civil 1st year won one gold and one silver medal representing CCET (Degree Wing) in Panjab University Inter College Tournament.
- 🏆 Japtyesh Singh from civil 1st year won two Gold medals in All India Inter University Shooting Competition 2018 representing Panjab University, Chandigarh on 1st November, 2018.
- 🏆 Japtyesh Singh from civil 1st year won three silver medals in 62 All India National Shooting Championship Competition held at Thiruvanthipuram from 19th Nov., 2018 to 08th Dec., 2018.
- 🏆 Nishyajet Singh from civil 1st year won Bronze medal in shooting in Inter-College competition.



NSS

The volunteers of the NSS Club of CCET (Degree Wing) organized various events to sensitize various people in their surroundings about environment and social cause. The following events were organized during session (July-Dec 2018) :



Yoga Day



Dengue Malaria Survey



Teacher's Day



Kaavyotsav



NSS Day



Tree Plantation Drive



Cleanliness Drive

NSS



Cloth Donation Drive

INSTITUTE INNOVATION COUNCIL

Department of Technical Education, Chandigarh UT Administration has Established Institute Innovation Council (IIC) in CCET (Degree Wing). Dr. Manpreet Singh Gujral, Principal CCET (Degree Wing), launched Institute Innovation Council on 20th Nov., 2018 followed by a workshop on Cognitive Skills, Design Thinking and Critical Thinking. Sh. Amardev Singh, Asst. Professor, NITTTR, Chandigarh was the guest speaker at the workshop.

IIC also organized a workshop on Intellectual Property Rights on 13th Dec., 2018. Expert for the workshop was Ms. Divya Kaushik, Scientist (PIC), Punjab State Council for Science & Technology.



APPLIED SCIENCE DEPARTMENT

STUDENT INDUCTION PROGRAMME

Two weeks student induction programme was organized by the department for the fresh batch of students. Students were made familiar about the college regulations and activities through the programme. Moreover, various cultural and technical clubs of the institute also participated in the programme.

Training on building of programming logic skills

The department of Applied Science organized a workshop for the first year students to build their strong programming skills under the guidance of Mr. Ajay Pal Singh, IT expert, having more than 18 years of work experience in IT firms including Microsoft and Quark.





APPLIED SCIENCE DEPARTMENT

ACHIEVEMENTS

Project "KIDCUBATOR" by first year student Sarthak Singh has been selected for exhibition at Rashtrapati Bhavan. The event will be inaugurated by Hon'ble President of India Sh. Ram Nath Kovind and is being managed by Atal Tinkering lab, powered by Intel India.

Also, under the guidance of Dr. Varun Gupta, Head, Applied Science, Sarthak is working on a project for automation of work estimates to be prepared by the official of Municipal Corporation, Mohali. The scope of the project will then be extended to use by all Govt departments.



A team of First year students showcased their self-made drone in State-level Science and Mathematics Exhibition hosted by State council of Educational Research and training (SCERT) Sector - 32, Chandigarh. The frame of drone was made of Alluminium and wood. It was a hexacopter having ability to carry load of 2Kgs.

Samarth Vohra, student of 1st year Civil has been selected as Vice President of AIESEC.

CSE DEPARTMENT

ANDROID "SurpriseBox" CHALLENGE

A web development and designing event, "Andorid SurpriseBox Challenge" was organised by the ACM Student chapter of CCET (Degree Wing), on 10th Aug., 2018, under the guidance of Faculty Mentor Dr. Sunil K. Singh, Head of the department CSE, and Faculty Sponsor Mr. Sudhakar Kumar, AP, CSE. The event focused on the development of android skills in the students.



CODE IN THE DARK



The event focussed on testing the fundamental web development skills of the participants. Participants were engaged in a fast paced 45 minute coding session to re-create a sample web-page using only HTML and CSS. The winners were provided with digital certificates along with ACM goodie bags, diaries and pens.

CSE TECH QUIZ

The event was meant to test the general awareness of the students about personalities, brands, advancements as well as the history relating to CSE. The event was open for all students from 1st to 3rd year of CSE, total 78 students participated.

HACKATHON

Hackathon was conducted online in association with Hackerearth. It was conducted from 9th - 13th Oct., 2018. Multiple teams participated in the event. The team members were varying from 3 - 5 nos. There were several specified themes out of which a team had to select one of them & work on it. The themes were Women safety, Kerala Relief, Auto-a-Bit and Digital India.



CSE DEPARTMENT

ACHIEVEMENTS

- Department is conducting ICT training for the employees (Group B, C & D) of Chandigarh UT Administration. Till now training for 9 batches have been successfully completed.
- Er. Ankit Gupta completed his Ph.D. in Computer Science & Engineering from Birla Institute of Technology, Ranchi in July 2018.
- Er. Amit Chhabra completed his Ph.D. in Computer Science & Engineering from I. K. Gujral Punjab Technical University, Jalandhar in October 2018.



Students of ACM Chapter, CCET (Degree Wing) Vivsuan Sharma, Ayush Basral, Ritika Dhiman and Heeba Khan got 1st Position in Hacksprint v3.0, presented by Design and Innovation Group at UIET, Punjab University on 17th-18th Nov., 2018

MECHANICAL DEPARTMENT

E- BAJA 2019

Department of Science and Technology & Renewable Energy, Chandigarh Administration has sanctioned Rs 3,00,000/- (Rupees Three Lakh) to the CCET (Degree Wing) for participating in Electric ATV for E- Baja SAE 2019 competition to be organized from 24th Jan., 2019 to 27th Jan., 2019. CCET (Degree wing), Team - FLASH has qualified the Virtual round of BAJA SAE and will participate in the final round in January 2019. The team has managed to secure highest Score among all North Indian Teams in Virtual Round of E BAJA. The team comprises of students from branches i.e. Mechanical and Electronics and Communication Engineering, working together to design, manufacturing and testing of the electric ATV. The team has been co-ordinated by Dr. Ashwani Kumar and Er. Vinod Chauhan, AP, Mechanical Engineering.



Formula Bharat 2019 Competition

CCET (Degree wing), Team - CORSA will participate in this competition. The team has been co-ordinated by Dr. Jatinder Madan, Professor & Head, Mechanical Engineering Department and Dr. Ashwani Kumar, AP, Mechanical Engineering Department. The purpose of this competition is to encourage students to gain hands-on practical experience, while applying engineering theories studied in the classroom. Department of Science and Technology & Renewable Energy, Chandigarh Administration has sanctioned Rs 5,00,000/- (Rupees Five Lakh) to the CCET (Degree Wing) for participating in Formula Bharat 2019 Competition to be organized in January 2019.

WRO- INDIA 2018 (ARC)

Team ROBONOX of CCET (Degree Wing) participated in ARC international championship under the guidance of Er. Mukesh Kumar, AP, Mechanical Engineering. The ARC Category national level competition was held at Ahmedabad for two days i.e. September 15th and 16th 2018.



MECHANICAL DEPARTMENT

Techno Xian 2018

CCET (Degree Wing) students have participated in Robowar, Roborace, Quadcopter and Fastest line follower, in Techno Xian 2018 which was held at Thyagaraj sports complex, New Delhi on 30th June and 1st July under the guidance Er. Mukesh Kumar.



BMW SKILL NEXT» - A technical skilling initiative

CCET (Degree Wing) is now a part of 'BMW SKILL NEXT», a technical skilling initiative by BMW Group India that aims to enhance the understanding of automotive technology. In this initiative, BMW Group India has provided a BMW engine and transmission assembly to CCET (Degree Wing). The BMW engine and transmission assembly showcases state-of-the-art engineering and will serve as a valuable learning tool for the students.

Industrial Visit

An Industrial visit for the final year students of Mechanical Engineering was organized to Godrej & Boyce Mfg Co Ltd., Mohali on 19th and 20th Nov., 2018.

Workshop/Expert's lectures held

1. Workshop on Solid works CAD training

Mechanical department has organized Workshop on Solid works CAD training for the mechanical students which was held on 11th - 12th Aug., 2018. The expert speakers for the same were Mr. Harkirat Singh, Quality Engineer of Daikin Industries Pvt. Ltd. and Mr. Himanshu Purswani, R & D Engineer of SML ISUZU Pvt. Ltd.



2. Expert lecture on "MATLAB and Simulink"

Mechanical department organized an expert lecture for the mechanical students on the Topic "MATLAB and Simulink" on 8th Oct., 2018. The expert speaker for the same was Mr. Dharendra Singh, Application Engineer, MathWorks India.

Expert's lectures delivered by the Faculty:

1. Dr. Jatinder Madan, Professor and HOD - ME, delivered an expert talk on the Topic "Creativity and business - the man behind the venture -the behavioural scientist's approach" during Entrepreneurship Awareness Camp (EAC) at CCET (Degree Wing) which was held from 12th - 14th Sept., 2018.

2. Dr. Jatinder Madan, Professor and HOD - ME, delivered two lectures on the topic "Product development & concept evaluation methods" and "Converting customer requirements into engineering specifications: Quality function deployment" in QIP Short Term Course on 6th Dec., 2018, at GNDEC, Ludhiana.



2. Dr. Ashwani Kumar Assistant Professor, Mechanical Engineering, delivered an expert talk on the Topic "Identification of opportunities for Entrepreneurs" during Entrepreneurship Awareness Camp (EAC) at CCET (Degree Wing) which was held from 12th Sept., 2018 to 14th Sept., 2018.

3. Dr. Ashwani Kumar, Assistant Professor, Mechanical Engineering, delivered an expert talk on the Topic "Overview of Total Quality Management (TQM)" to the Executive Engineers & Sub Divisional Engineers of the Punjab Water Supply and Sewerage Board, on 26th Sept., 2018 at Mahatma Gandhi State Institute of Public Administration, Sector - 26, Chandigarh.



CIVIL DEPARTMENT

STPs for Faculty Development:

1. Dr. Aradhna Mehta, Er. Sakib Khan, Er. Taranjeet Kaur, Er. Anil Kumar and Er. Poonam, Er. Karuna Sharma, Er. Artaf Ahmed attended one-week Short term programme on ICT Skills respectively during 17th- 21st Sept., 2018 and 1st - 5th Oct., 2018 in SPIC, EDC Building, I.T. Park, Chandigarh.
2. Er. Mohd. Sakib Perwez Khan, AP Civil, attended a QIP Summer Research Fellowship Programme on Geotechnical Engineering at IIT Delhi during 20th June 2018 to 10th July 2018.

Expert Lectures Delivered:

Name of Faculty	Date	Topic	Project
Dr. Rajesh Kumar	13-11-2018	Factors influencing Cement Concrete Properties	DCR University of Science & Tech., Murthal, Haryana
Anil Kumar	26-09-2018	Environment Laws-Water & Waste Water Pollution	MGSIPA, Sector 26, Chandigarh
	29-10-2018	Environment Impact Assessment	

Expert Lectures held in the Department:

1. A Seminar Regarding Career Prospective and Quiz Competition was held on 11th September 2018. It was followed by a quiz competition was organised by CIZ (Compete India Zone) in collaboration with CiviQ. It saw the participation of around 80 students from 2nd and 3rd year.
2. An expert lecture was delivered by Mr. Rominder Singh Bedi and his team from Bentley Incorporation, on "World's No. 1 Transportation Software, Open Roads (Formerly MX Roads)" on 12th October, 18. Lecture was about modern-day IT application tools in Transportation Engineering.
3. A Seminar on Durability of Concrete by 'JK Cement' was held on 16th Oct., 2018, for the final year students by CiviQ. Around 50 students attended the seminar. Mr. Vikas Malhotra, represented the J.K. Cement.



ECE DEPARTMENT

FACULTY DEVELOPMENT PROGRAMME

1. Dr. Parvinder Kaur, AP, ECE, Dr. Dinesh Sharma, AP, ECE and Mr. Hardeep Saini, AP, ECE attended one week training on "ICT Skills from 17th Sep. – 21st Sep., 2018 at SPIC, EDC Building, IT park Chandigarh.
2. Dr. Shilpa Jindal, AP, ECE attended 1 week STC on "Mathematics in Engineering" organized by Department of Applied Science, PEC (deemed university), Chandigarh.

STUDENTS ACHIEVEMENTS

1. Ansar Ahmed from 5th semester won 2nd prize in Hardware hackathon held in UIET, Chandigarh in collaboration with IIT Bombay and secured 1st position in eBAJA ATV competition.
2. Jatinder Singh Parihar successfully participated in TECHOXIAN WORLD ROBOTICS CHAMPIONSHIP.
3. Ritik Sharma participated in World Robotics Olympiad, Ahmedabad.



CCET LIBRARY

1. IEEE Database Access

Through E ShodhSindhu, CCET (Degree Wing) is now having access of IEEE Database.

2. Training

A Three Day National Workshop On Open Source Software (KOHA & DSpace) was attended by Sr. Librarian from October 5th to 7th July, 2018.

3. Publications

Book Chapter

📖 Evaluation of Select University Library Website: A Webometric Study, Shalini Wasan (2018), Cutting Edge Technologies for Libraries & Information Services'

Journals

📖 Role of Librarians in Design & Content of the Library Website, Shalini Wasan ,Vol. 5 No.2, July-Dec 2018, Pg 1-11, IJLMS, ISSN : 2349-6347.

📖 Delhi University Library Website: An Evaluative Study, Shalini Wasan, Vol. No. 7 issues 2, , July-Dec 2018, Pg 47-53, IJILS, ISSN: 2278-0386.

RESEARCH @ CCET

Department	Papers Published in Journal / Book	Research Projects (Sponsoring Agency)
CSE	8 (1 SCI + 7 others)	-
Mechanical	8 (1 SCI + 7 others)	2 (DST)
Civil	2	-
ECE	3	-



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