FINGERPRINT

CHANDIGARH COLLEGE OF ENGINEERING & TECHNOLOGY (DEGREE WING)

PRINCIPAL'S MESSAGE

In our everyday life and in every sphere of our life the influence of technology is becoming so pervasive, it gets indispensable to keep up with this fast changing world. The students have reiterated their efforts in extracurricular and academics activities in synchronization with the industry requirements to make sure that the students prove themselves to be skilled and adept. The perfect platform that makes a learning environment ideal is calm, well-disciplined and orderly learning environment; purposeful and stimulating teaching. We believe that hard work with discipline and proper guidance is a guarantee to excellence and we work dedicatedly to achieve the same. I commend institute publication cell for publishing the new issue of the college newsletter. I encourage not only our students but our Faculties too, to hone their skills and yearn for innovation.

Dr. M. S Gujral
Principal
CCET Degree Wing, Chandigarh

CERTIFICATE OF COMMENDATION

Our worthy Principal Dr. Manpreet Singh Gujral has been awarded Certificate of Commendation for his meritorious service by Chandigarh Administration on 15 August 2022.

NATIONAL SERVICE SCHEME
EVENTS & ACHIEVEMENTS

AWARENESS TALK ON G20

A talk on awareness about G20 was organized on 28 March 2023 under G20 Presidency events. **Dr. Nemi Chand**, State Liaison Officer, Education Department, UT Chandigarh conducted the session. The students and NSS volunteers of CCET (Degree Wing) attended the session.
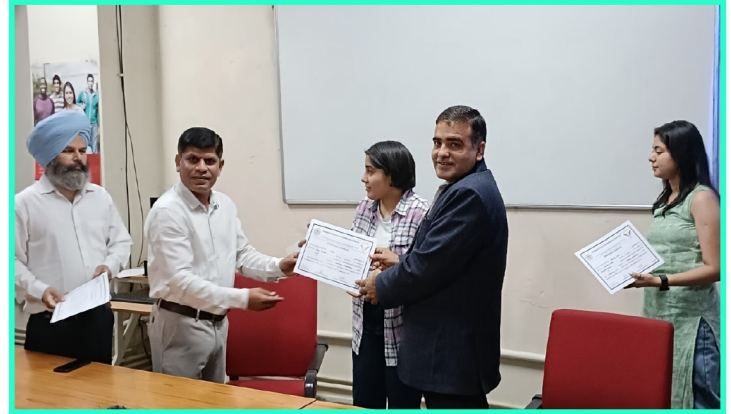
YOGA CAMP

CCET (Degree Wing) organized a 3-Weeks Yoga Camp from 1st June, 2022 to 21st June, 2022. The International Yoga Day was celebrated on June 1, 2022 on the theme "Yoga for Humanity". Students and faculty members participated enthusiastically in the event. The event was a great success under the guidance of **Dr. M. S. Gujral,** Principal, CCET (Degree Wing), **Dr. Rajesh Kumar**, Professor Incharge (Student Welfare), **Dr. Gulshan Goyal**, President Student Council and Nodal Officer Ek Bharat Shrestha Bharat, **Dr. Anil Vaghmare**, SSC, and **Dr. Sarabjeet Singh**, NSS Program Officer.

PAINTING COMPETITION

Under G20 presidency as per schedule, on 20th February 2023 Painting competition on the theme of Climate Change and Global Warming was organized.

INSTITUTION'S INNOVATION COUNCIL EVENTS

MOTIVATIONAL SESSION

The **Institution's Innovation Council (IIC)** organized a motivational session on **"Start-up World and Career in Civil Engineering"** for under-graduate students. The session was conducted by **Mr. Rohit Sharma**, Director, INFRA UP PVT, LTD. who is a successful start-up founder.

Mr. Sharma shared his experiences and discussed the pros and cons of starting a start-up along with the skills and mindset required to become a successful entrepreneur. During the session, students learned about various aspects of **starting a start-up, such as idea generation, skill cultivation, teamwork, time management, and dealing with challenges**. The speaker also encouraged students to focus on quality over quantity, identify opportunities and challenges, and accept failure as a part of the growth process. The session was highly interactive, and students had the opportunity to freely interact with the speaker and ask questions. Mr. Sharma not only provided technical guidance but also shared his personal experiences and gave suggestions on how to overcome personal issues.

INNOVATIVE PRODUCT DESIGN EXPO CUM ORIENTATION PROGRAMME 2022

ABOUT IPD'22

CCET (Degree Wing) organized **Innovative Project Design, IPD EXPO-2022 (Project Exhibition)** on 23 November 2022. Students and faculty members participated enthusiastically in the event. The event was a great success under the guidance of Dr. M. S. Gujral, Principal (CCET Degree Wing), Dr. Sunil K. Singh, Professor Incharge (Student Welfare), Dr. Davinder Singh Saini, Professor & Head (ECE Department), Dr. Varun Gupta, Professor & Head (Applied Science Department), Dr. Gulshan Goyal, President Student Council and Dr. Anil Vaghmare, Secretary Student Council.

APPLIED SCIENCE DEPARTMENT
EVENTS

STUDENT INDUCTION PROGRAMME

• Student induction programme (SIP) was organized by the Applied Science Department for the fresh batch (2022-26) students from 18th Oct, 2022 to 31st Oct, 2022, in offline mode. The aim of SIP is to prepare newly admitted undergraduate students for the new stage in their life by facilitating a smooth transition from their home and school environment into the college environment through various discussions and activities. Students were made familiar about the college regulations and activities through this programme. Various resource persons were engaged to expose them to a sense of larger purpose and self-exploration. During the induction programme, the participants learnt about the institutional policies, processes and academic regulations.

• To enhance the knowledge of students on different topics including Universal human values, literary sessions, skill development training and sports activities etc. Moreover, various cultural and technical clubs of the institute also participated in the programme.

• Several sessions regarding stress in youngsters, career advice and career growth were held. Also various creative and Literary sessions including theatre practices, sketching sessions and game sessions were held.

CSE DEPARTMENT
EVENTS AND ACHIEVEMENTS

HOUR OF CODE 2022

CCET (Degree Wing) -ACM and ACM-W student chapters organized "Hour of Code" on 10th December 2022, under the guidance **Dr. Sunil K. Singh, HOD/CSE** and Faculty Sponsor **Mr. Sudhakar Kumar, AP/CSE**.

The session was conducted by **Soumya Sharma** and **Anureet Chhabra** from the department of Computer Science and Engineering. The session was aimed at introducing the fundamentals of programming and python.

CSE DEPARTMENT

AZADI KE RANG

CASC organized **"Azadi ke Rang"**, a poster design- ing competition under the AICTE spice scheme, on **14th August, 2022** in online mode. The event was planned as a tribute to the 75th Independence day with its theme being **"Azadi ka Amrit Mahotsav"**. The event focused on enhancing creativity and designing skills of the participants, the approxi- mate number of participants was 20. Winners of the competition we as follows:

I. Position: Dhwani Arora (ECE, UIET)

II. Position: Aishita (CSE, CCET)

III. Position: Pravneet Kaur Bujrall (CSE, CCET)

CCET ACM & ACM-W STUDENT CHAPTER
Presents
Azadi Ke Rang
A POSTER DESIGN COMPETITION
UNDER AICTE SPICE SCHEME
Theme: Azadi Ka Amrit Mahotsav
FIRST POSITION
Laptop Sleeves
RUNNERS UP
T-Shirts
LAST DATE: 8:00 PM ON 14TH AUGUST, 2022
ACM @CCET FACULTY SPONSOR: MR SUDHAKAR KUMAR
FOR FURTHER QUERIES:
NIRBHIK KAKKAR-9779506986
ANUREET CHHABRA-9988732075
/acmccet   http://ccet.acm.org/   facebook.com/acmccet/

SESSION ON BLOCKCHAIN

"Unblocking the blocks of block- chain technology" was conducted by **Dr. Rahul Johari,** ACM Eminent speaker, India. The event was organized by the CCET ACM and ACM-W student chapter under AICTE SPICES on 7th September, 2022. The session focused on con- cepts, principles, and applications of block chain which is starting with the basics of hashing and scaling up to cover the topics of proof of work, steak, etc.

CSE DEPARTMENT

GITHUB–HACKTOBERFEST WORKSHOP

CCET-ACM and ACM-W student chapter along with Major League Hacking (MLH LOCALHOST) organized the event "Hacktoberfest 2022 - Let's Collaborate Together".

The session was conducted by **Manraj Singh** and **Krish Kathuria** (CSE Department ,CCET) on 3rd October 2022.The event aimed at introducing curious minds about the working and functionality of GitHub and Hacktoberfest.

LAUNCH OF ACM DIGITAL MAGAZINE

CCET-ACM and ACM-W student chapters released Volume 3 Issue 1 of the digital magazine on 13th October 2022 under the guidance **Dr. Sunil K. Singh, HOD/CSE** and Faculty Sponsor **Mr. Sudhakar Kumar, AP/CSE.**

The magazine aims to encourage the student to explore new technologies. The magazine includes recent achievements, articles related to latest technological advancements and highlights of events conducted by the CASC and CASC-W.

CSE DEPARTMENT

TALK WITH ALUMNI

CCET-ACM and ACM-W student chapter organized "Talk With Alumni" on 27th December 2022, under the guidance **Dr. Sunil K. Singh, HOD/CSE** and Faculty Sponsor **Mr. Sudhakar Kumar, AP/CSE** under the AICTE SPICE scheme.

The session was conducted by **Mr. Ayush Basral** (SDE Amazon) and **Mr. Anuj Bansal** (SWE Microsoft).The session aimed for guiding students towards various upcoming opportunities in the IT sector and cracking interviews in product based companies. The session revolved around discussions on placement oriented coding, interview problems; their placement journeys to amazon and microsoft and a question answer session between students and the alumni.

TALK ON GSOC
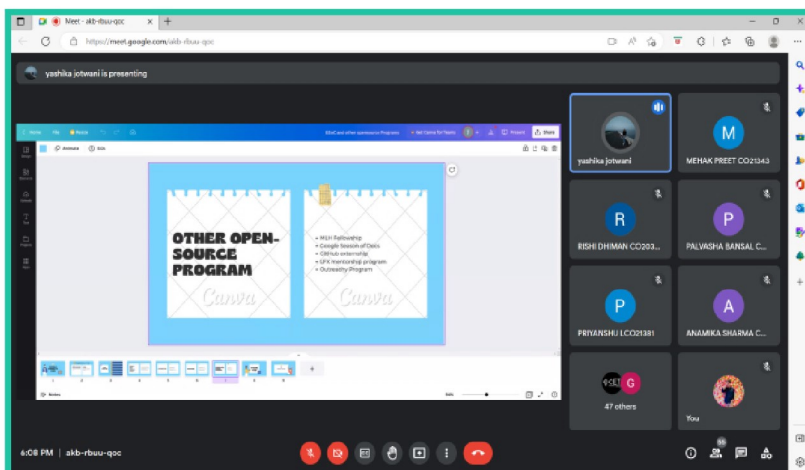
CCET-ACM and ACM-W student chapter organized "Talk Regarding Google Summer of Code" on 28th December 2022, under the AICTE SPICE scheme. The session was organized to guide students towards upcoming GSoC 2023. The session was conducted by Yashika Jothwani(GSoC' 22 Contributor) and Khyati Saini(GSoC' 22 and GSoC' 21 Contributor).

ECE DEPARTMENT
EVENTS & ACHIEVEMENTS

FACULTY ACHIEVEMENTS

• **Mr. Ankur**, Ph.D. student of ECE department has successfully completed his doctorate from PU, Chandigarh under the able guidance of **Dr. D.S. Saini**, HOD, ECE.

• **Publications:**
The ECE faculty members have submitted a total of 5 papers for publication in the internaitional Conferences. **Dr. Irfan Ahmad Khan** submitted 4 papers and **Dr. Anil Kumar Vaghmare** submitted 1 paper.

• **Book Chapters:**
Dr. Shilpa Jindal, Contributed a chapter on "Green Optical Networks based on Machine Learning Techniques" in a Book titled "Green Communication Technologies for Future Networks" published by CRC Press, ebook ISBN 9781003264477, in Oct 2022.

Dr. Irfan Ahmad Khan, et. al., "IoT and UAV Technologies for Precision Farming during and Post COVID era: A Review," submitted an International Book Chapter on "Impacts of COVID-19 on Agricultural Sector (ICAS-2023), on an easy-chair, Green Economics Institute, U.K. whose abstract got accepted and a full

chapter is to be published.

Dr. Irfan Ahmad Khan, et. al., "IoT Based Smart Controller for Agricultural Storage to CombatImpacts of COVID-19,"submitted an International Book Chapter on "Impacts of COVID-19 on Agricultural Sector (ICAS-2023), on easy chair, Green Economics Institute, U.K. whose abstract got accepted and a full chapter is to be published.

• **FDP/STC/Workshops /Webinars Attended:**
Dr. Parvinder Kaur, Dr. Shilpa Jindal, Dr. Dinesh Sharma successfully completed the Professional Development Programme on 'Implementation of NEP2020 for University and College Teachers' held from 7th to 15th October 2022 conducted by INDIRA GANDHI NATIONAL OPEN UNIVERSITY, New Delhi.

Dr. Anil Kumar Vaghmare, Attended 03 Webinars on NEP-2020 Implementation Plan: "Promotion of Indian Knowledge Systems" scheduled on 26th November 2022 from 10.00 A.M to 11.30 A.M, which was organized by UGC-Human Resource Development Centre (HRDC), JNTUH, at Hyderabad.

STUDENT ACHIEVEMENTS

• Anmol Gupta (CO19512) along with his Team-Mates Chaitanya Khurana (CO19520) and Muskan Vaish (CO19544) Won first place at the IPD EXPO 2022, on November 23rd, 2022 at CCET (Degree Wing), Chandigarh.

• Ruman Sidhu (CO20550) had Secured first

position for Short-Story "The Mist " in Short Story Writing Competition at PU Youth Festival 2022, held at DAV, Sec-10, Chandigarh on November 2nd, 2022.

• **CAT Score 2022**
The Department Congratulates Sahil Arora

ECE DEPARTMENT

(CO19551) who secured CAT percentile of 99.89 and Sagaljit Singh Pasricha (CO19550) who secured CAT percentile of 99.76 .

• Start Up
Two Students of Final Year Batch (2019) initiated their Start Ups.

The Startup "Guruvinayak" is initiated by Guruvinayak Singh Budhwar (CO19527). This Startup is a Visual Design and Art oriented that deals with product design , Traditional Art to UX /UI Design.

The StartUp "Nephics" is initiated by Naman (CO19545). It is a web-based startup, focusing mainly on establishing a brand's online presence through website development, graphic designing, web designing, social media management, and much more.

• Best Paper Award
Sahil Arora (CO19551), Shobhna Manjhu (CO19552), Vaibhav Kushwaha (CO19560) and Dr. Dinesh Sharma were Awarded the Best Paper Award in the 3rd International Conference on Communication, Computing & Industry 4.0-2022 (C2I4-2022) for the research paper titled – "Analysis and Development of Ultra-wideband flexible wearable textile antenna for wireless body area network".

CIVIL DEPARTMENT
EVENTS & ACHIEVEMENTS

HODS DESK

With technology spreading its domain to all walks of life there is a need to upgrade the ever-widening knowledge base. CCET (Degree Wing) has risen to the occasion, talented, skilled and resolves to provide and highly competent technical human resource to the industrial society. Education is imparted at the institute in a manner so that each student realizes his responsibility of enhancing the present skills and shaping the future.

Dr. Rajesh Kumar
Professor and Head of the Department
Civil Department
CCET (Degree Wing)

CIVIL DEPARTMENT

STUDENT ACHIEVEMENTS

• **RITIK** CO21238, **SAUMYA SHARMA**, CO21240 and **SHASHI PRIYA**, CO21241 got 1st position in the Innovative Project Design, IPD EXPO-2022 (Project Exhibition) held on 23rd November 2022.

• **Gursheel Kaur** CO21216, **Lakhwinder Pal Singh** CO21225 and **Prabhnoor Singh Bhamra** CO21231 got 2nd position in the Innovative Project Design, IPD EXPO-2022 (Project Exhibition) held on 23rd November 2022.

• Students of Civil 2nd year attended "Motivation by successful startup founder Er. Rohit Sharma, Director of INFRA UP PVT. LTD." organised by IIC-CCET on 21st November 2022.

• **Amit Sihag** (CO21205), Civil 2nd year student came 3rd in singles, doubles, and mixed doubles Inter-Year Badminton.

• **Vartika Saxena** (CO22223), Civil 1st year student came 3rd in mixed doubles Inter-Year Badminton.

• **Shivani** (CO22220), **Diwakar** (CO22205), **Ayush** (CO22203) along with team dramebaaz won second prize in stage play and best production at IIT Delhi fest.

CIVIL DEPARTMENT

• **Dinesh** (CO21213), **Hardik** (CO21217) and **Vishal Narwal** (CO21248) got 3rd position in the Innovative Project Design, IPD EXPO-2022 (Project Exhibition) held on 23rd November 2022.

• **Hardit Singh** (CO21218), **Jobanveer Singh** (CO21220), **Kanishk Kharwal** CO21221, **Kanishka** CO21222, **Khushi** (CO21223), **Aastha Dhingra (**CO21201) got 1st position in the Innovative Project Design, IPD EXPO-2022 (Project Exhibition) held on 23rd November 2022.

• Students of 1st year civil attended the seminar (Ikigai and motivation by successful startup founder **Er. Rohit Sharma**) organized by IIC-CCET.

• Students of Civil 2nd year attended **"Stress Busting for Engineers by Dr Neha Dhiman"** on 27th and 28th October 2022.

• Civil 2nd year students participated in Walkathon organised by BIS, Sector-27, Chandigarh on 15th October 2022.

• Won **silver medal** in football (inter-year tournament)

MECHANICAL DEPARTMENT
EVENTS & ACHIEVEMENTS

◼ FACULTY ACHIEVEMENTS ◼

• **Publications (Book Chapter/Book):**
Madan J., Singh P. P. (2022), Sustainability in foundry and metal casting industry, in Sustainable Manufacturing Processes, Editors, R Ganesh Narayanan Jay Gunasekera, Elsevier Academic Press. (ISBN 9780323999908)

Dr. Jatinder Madan coauthored a book on 'Workshop Practice Manual' along with **Dr. Prince Pal Singh.** The book is self-published on Kindle platform of Amazon

Rajesh Kumar Saluja, Vineet Kumar, Radhey Sham, Rajneesh Kaushal, Freddie Inambao, Performance and emission analysis of oxygenated fuel additives: a review Advancement in Oxygenated Fuels for Sustainable Development, Elsevier (ISBN: 97800323908757), Chapter 13, 2022.

• **Expert Lecture**
Dr. Vettivel S C delivered an expert lecture in online Faculty Development Programme under the title "Post Processing Treatments in Additive Manufacturing" on 06.09.2022 in Govt. College of Engineering, Bargur Tamilnadu.

Dr. Vettivel S C delivered an expert lecture in online three days National Workshop on developments in Additive Manufacturing under the title "Effect of process parameters and post treatment in 3D printing Post Processing Treatments in Additive Manufacturing" on 24.09.2022 in Jai Shriram Engineering College, Tirupur, Tamilnadu.

Dr. Vettivel S C Chaired a technical Session and Jury for Composite Science and Technology International Conference 2022 (COMSAT2022), University Teknologi Malaysia on 22nd – 23rd August 2022 (Online).

Dr Radhey Sham delivered an expert talk on IPR in Student Induction Program - 2022, CCET (Degree Wing) on 31/10/2022.

• **Patent Awarded/published**
Dr. Radhey Sham, Er. Vinod Chauhan, Dr. Ashwani Kumar published a patent on A DEVICE OF PLASTER OF PARIS (POP) APPLICATOR AND METHODS THEREOF, Application No: - 202211030548, IPR India.

Dr. Radhey Sham, Er. Vinod Chauhan, Dr. Ashwani Kumar registered/granted utility model on Automatic multiple array/function window system (Automatisches Mehrfachanordnungs-/Funktionsfenstersystem) 13th July 2022 under the following number: 202022103624 Issued by the German Patent and Trademark Office.

• **Workshop/STC/Seminar organized/Training Attended**
Dr. Radhey Sham, Er. Vinod Chauhan, Dr. Ashwani Kumar successfully completed the two weeks industrial/Professional Training in Mechanical Engineering in ATOP Fasteners Pvt. Limited Mohali from 18/07/2022 - 30/07/2022.

MECHANICAL DEPARTMENT

Dr. Vettivel S C & Dr. Mukesh Kumar successfully completed the two weeks industrial/Professional Training in Mechanical Engineering at BIS, Chandigarh from 18/07/2022 - 30/07/2022.

STUDENT ACHIEVEMENTS

• **Industrial Visit**

Final year students of Mechanical Engineering (2019-2023) have visited Godrej, Mohali on 22/12/2022 & Tynore, Mohali on 25/11/22.

Name	Roll no	Designation
Chatenya Mehta	CO20112	Chair person
Jaisleen Kaur	CO21125	Vice chair person
Aditya Duggal	CO22103	General secretary
Samrath Singh Hansrao	CO21125	Technical secretary
Shaurya Nag	CO20135	Design secretary
Rimjhim	CO20130	Social media secretary
Vinay Kumar	CO21048	Event coordinator
Anmol	CO20106	Content secretary
Vinay Kumar	C020147	Design joint secretary
Tikal	CO20142	Content joint secretary
Kashish Goyal	LCO20175	Design joint secretary

• **Students Activity**

The Executive Board of the ASME Student Section of CCET took charge for the 2023. The details of the executive board are as follows. The ASME students section of CCET (Degree Wing) conducted a number of activities in department level.

CLUBS OF CCET
EVENTS & ACHIEVEMENTS

◼ APOSTLE OF SPEECH (AOS)

• **Ruman (CO20550)** stood 1st in story writing in the PU Youth Festival November 2022.

• **Soumya (CO20359)** stood 2nd in debate competition in the PU Youth Festival November 2022

◼ PUNJABI BY NATURE (PBN)

• Vasu Chauhan won the 3rd prize in Folk orchestra in the the PU Youth Festival November 2022.

• Vinay Devdutt won the 2nd best dancer award in Bhangra.

◼ DRAM-E-BAAZ

• Dramebaaz Club the dramatics society of CCET bags the 2nd prize in "NATIKA VATIKA" organized by Dramatics Club of IIT Delhi, Ankahi under their annual cultural fest, Rendezvous '23. They also won the title of "Best stage play production team".

CCET

Chandigarh College of Engineering & Technology
Degree Wing - Sector - 26, Chandigarh - 160019

Principal: Dr. M. S. Gujral
Published by: Institute Publication Cell
Incharge: Dr. Varun Gupta
Joint Incharge: Dr. Sunita
Faculty Content Editor: Dr. S. C. Vettivel

Student Content Editor
Jhalak Nihalani
CSE, LCO20374

Student Content Designers

Japan Ajit Singh Gandhi
CSE, CO21326

Kanishk Nagpal
CSE, CO21328

Ccet Degree   CCET Degree   @ccet_degree   www.ccet.ac.in