

NEWSLETTER

HIGHLIGHTS

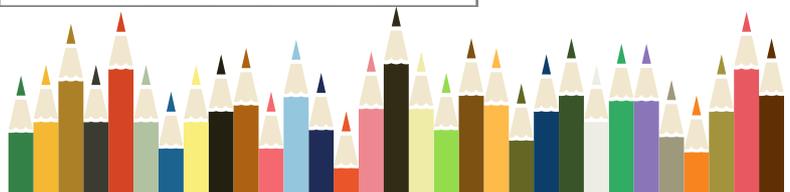
- A Message From the Principal.
- IIC Event
- ECE Department
- CSE Department
- Civil Department
- Mechanical Department

Principal's Message

With technology spreading its domain to all walks of life there is a need to upgrade the ever-widening knowledge base. Chandigarh College of Engineering and Technology (CCET) , Degree wing has risen to the occasion, and resolves to provide talented, skilled and highly competent technical human resource to the industrial society. Education is imparted at the institute in a manner so that each student realises his responsibility of enhancing the present skills and shaping the future. In its endeavour to foster an optimum blend of self-discipline and consistency, the college provides a robust curriculum to cater to the versatile scenario of the industry. It commits to serve the society with zeal and to fulfil its societal obligations with distinction. With consistent efforts to provide the industry with apt talent, I invite the prospective potential seekers to participate in the campus recruitment program.



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



INSTITUTION'S INNOVATION COUNCIL

Institution's Innovation Council (IIC) is organized a Two-days students training programme for B.E Civil Engineering final year students on "Entrepreneurial Career Orientation for Civil Engineering and Allied Disciplines" in collaboration with Entrepreneurship Development and Industrial Coordination Department of National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh (Ministry of education, Government of India). Further, we wish to share that participation in this enriching training programme will also help our students in understanding the practical aspects of "Entrepreneurship" in their careers.

**Two Days Student Training Programme
on**

**Entrepreneurial Career
Orientation for Civil Engineering
and Allied Disciplines**

Date: 28th & 29th October, 2021

Link for Registration

<https://forms.gle/naSbHqKRFDWJqme7>

Organized by


The logo of NITTTR Chandigarh features a stylized red and white circular emblem with the text "TEAMING TOGETHER" at the top and "NITTTR CHANDIGARH" at the bottom.

**Entrepreneurship Development and
Industrial Coordination Department**

**National Institute of Technical Teachers
Training and Research, Chandigarh**

Glimpses of the event:



The Institute Innovation Cell (IIC) at Chandigarh College of Engineering and Technology (Degree Wing) has organised two- a days training programme (three sessions per day) on the topic "Entrepreneurial Career Orientation for Civil Engineering and Allied Disciplines" on

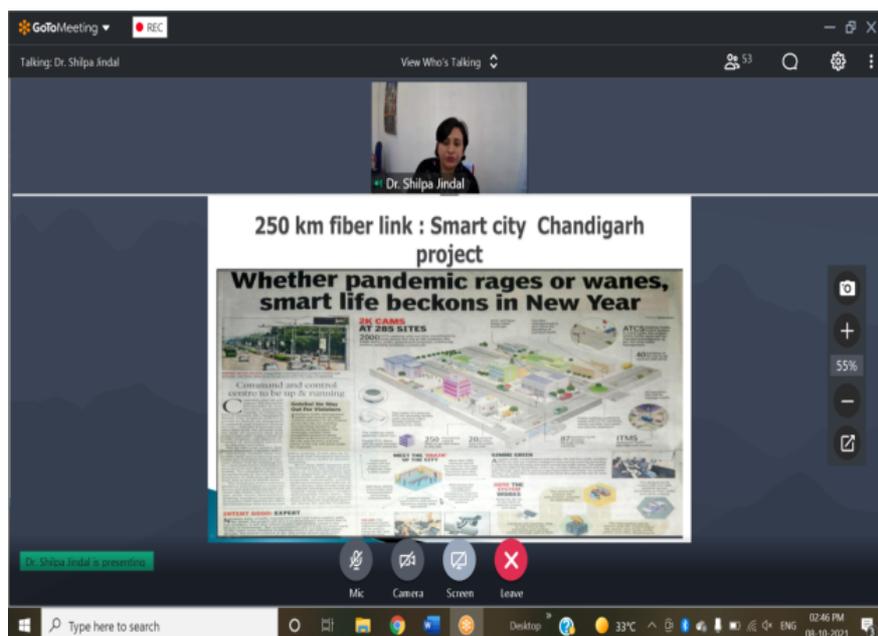


ECE DEPARTMENT

ONLINE WORKSHOP ORGANISED

BY ECE DEPARTMENT

Dr Shilpa Jindal coordinated the weeklong Online AICTE Training and Learning (ATAL) Faculty Development Programme (FDP) on “High-Speed Wireless and Optical Technologies for developing Global Network”. It was organised between **4th- and 8th October 2021**, by the Department of Electronics & Communication Engineering (ECE) of Chandigarh College of Engineering and Technology (Degree Wing), Sector 26 Chandigarh. This program was very beneficial for PG, Professors, Students and research scholars. The participants gained knowledge about “High-Speed Wireless and Optical technologies for developing Global Network”. It provide an opportunity for academicians, students and researchers to get the exposure and interaction with the field experts, who are involved in the research and development of communications networks specifically 5G and beyond along with Optical networks. There were 14 plenary sessions including a session on Health and Happiness. Inaugural, Valedictory, Online test and feedback sessions also took place as per the guidelines.



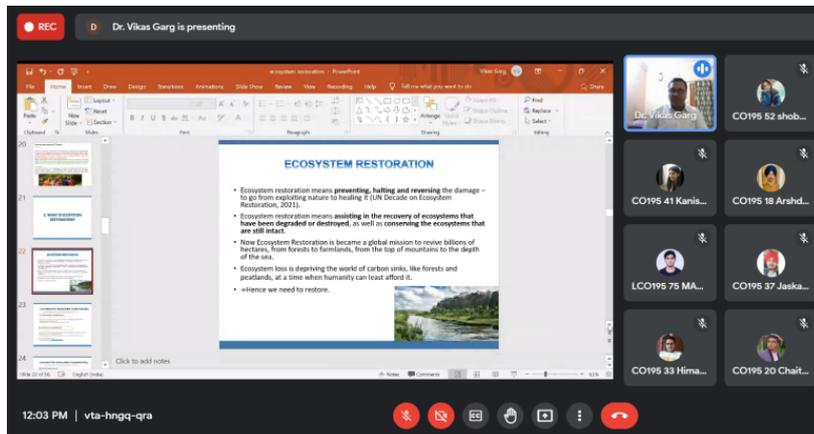
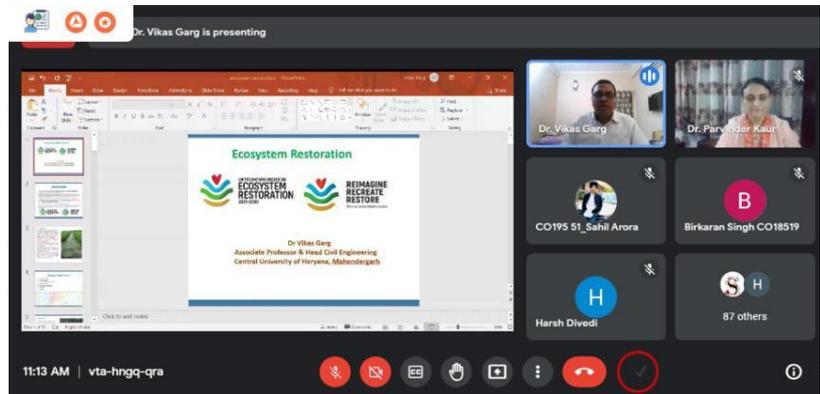
Delivered expert talk in online mode on 8th October 2021 titled “High-Speed Optical Communication covering Global Network” in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "High-Speed Wireless and Optical Technologies for developing Global Network" from 04/10/2021 to 08/10/2021 at Chandigarh College of Engineering and Technology (DEGREE WING). Chandigarh

Students of ECE have presented a paper titled, “A New Approach to Fuzzy Model Identification Based on Cuckoo Search Algorithm” authored by Parvinder Kaur, Rahul Aneja, Tanuj Singh and Shubham in the International Conference of Undergraduate Students (ICUS 2021) held online during November 27-28, 2021 organized by Soft Computing Research Society.

Online expert session's

by Department of ECE

- “Importance of Human Values in Engineering” on 22nd September 2021 (Wednesday) for ECE students. The speaker SAMIR R. SHAH is working as Lecturer, Mechanical Engg. Dept., M. S. University of Baroda, Vadodara. His speech and experience of life gave a direction & inspiration for today's youth to become a successful engineers.



- “Ecosystem Restoration” on 24th September 2021 for ECE students. The speaker was Dr Vikas Garg, Head of the Civil Engineering Department at Central University, Mahendergarh. His expert talk and experience of life gave good knowledge about Ecosystem restoration and its effect on our society. This event is organised by Dr Parvinder Kaur, Assistant Professor, ECE.

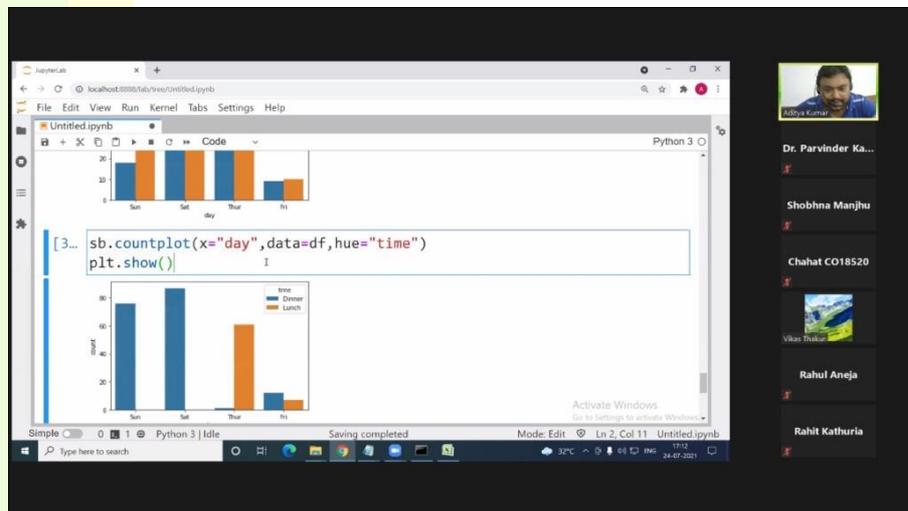
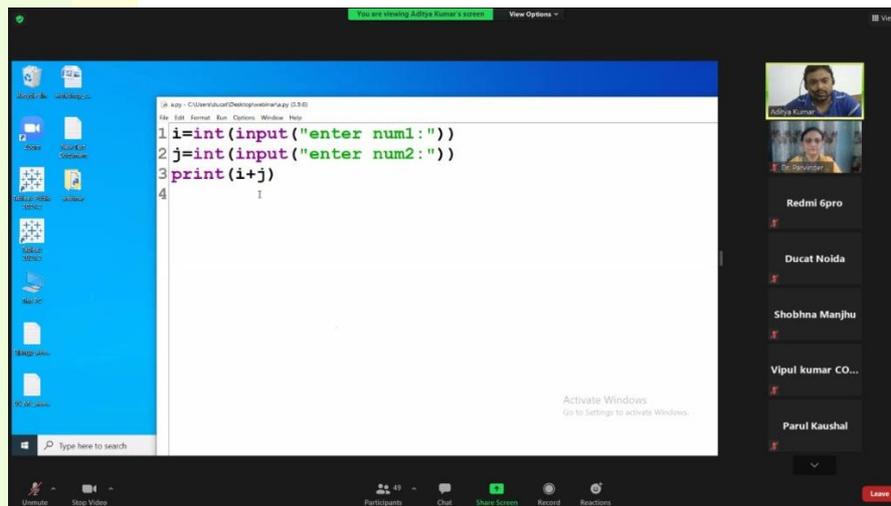
- “Engineering and Society” on 23rd. September 2021 (Thursday) for ECE students. The speaker Dr Purnima K Sharma is an Associate Professor Dept of ECE, SVEC, Tadepalligudem, AP. Her speech and experience of life gave a direction & inspiration for today's youth to become successful engineers.

Dr Parvinder Kaur has chaired a technical session on Intelligent System: Algorithms and Applications in the International Conference on Communication and Intelligent Systems (ICCIS 2021) held online during December 18-19, 2021 which is organized by the National Institute of Technology Delhi

Parvinder Kaur has chaired a technical session on Data Analytics and Computing in the International Conference of Undergraduate Students (ICUS 2021) held online during November 27-28, 2021 organised by the Soft Computing Research Society.

More by ECE department

Department of ECE has organized one day workshop on “Latest Technology Trends in Industry specifically covering Machine Learning” through Ducat for ECE students on 24th July 2021 from 04:00 - 06:00 pm in online Mode. Dr Parvinder Kaur was the coordinator of this workshop.



Dr Parvinder Kaur, Assistant Professor, ECE achieved the 7th Venus International Women Awards – VIWA 2022 under the category Outstanding Woman Researcher in Soft Computing.

ECE 8th Sem Jan- June 2022

Students on Internship

COMPANIES

Bharat Electronics Limited

Gemini Solutions

OOPS INFOSOLUTIONS PVT. LTD.

ThinkNEXT Technology PVT. LTD.

CVENT INDIA PVT LTD

TATA CONSULTANCY SERVICES LIMITED

JUNGLEWORKS

EMCURE PHARAMCEUTICALS

ENEST TECHNOLOGIES PVT LTD

SEMICONDUCTOR LABORATORY

Edurev Learning PVT. LTD.

WEBMOB SOFTWARE SOLUTION PVT. LTD.

NITTR

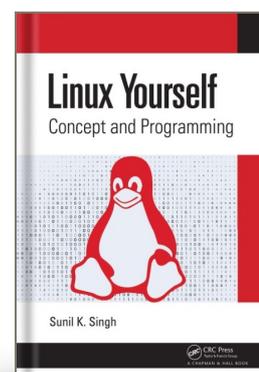


CSE DEPARTMENT

The Department of CSE, CCET (Degree Wing), Sector-26 Chandigarh, organized one week ATAL Academy (AICTE) sponsored Online FDP on “Internet of Things (IoT) with Artificial Intelligence (AI)” from July 12-16, 2021.

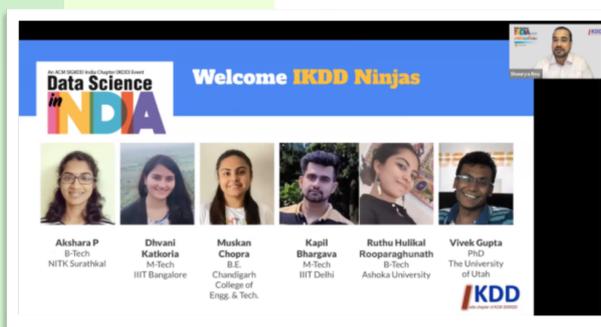
BOOK LAUNCH: Linux Yourself: Concept & Programming.

Dr Sunil K. Singh, Professor & Head, Department of Computer Science & Engineering has published a book "Linux Yourself: Concept & Programming" with Chapman and Hall/CRC (Taylor & Francis Group) at Boca Raton, Florida USA on 31st Aug 2021.



Student Achievements:

- Anshul Gupta (CSE 2017-2021), Former Chair, CCET ACM Student Chapter was among the top 50 students who were selected for the ACM Summer School 2021.



- Muskaan Chopra, UG Scholar (CSE 2019-23), Chairperson, CASC, was among the top 6 students selected from UG, PG, and PhD courses in India as a part of the Inaugural Student Ninja Board. IKDD, the professional chapter of SIGKDD in India, was established as a part of ACM India in 2011.

- Students Parent Kaur, Harshdeep Singh Mand, Charu Chaudhary, and Lovepreet Singh (CSE 2019-2023) have been felicitated by DGP Chandigarh Police SH. PRAVEER RANJAN, PEC Director Baldev Setia, and other honourable officers of the Chandigarh Police for securing the first position in Chandigarh Police Hackathon 2021 with 1 Lakh rupees as prize money, organized by Chandigarh Police in Partnership with Infosys Ltd. Chandigarh.

CCET ACM

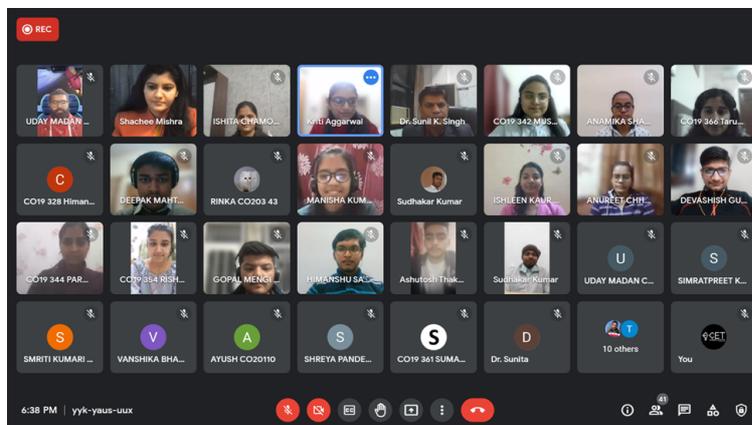
CCET ACM App Launch (Dec 2021)

The CCET ACM Student Chapter launched an interactive mobile application on 2nd December 2021 the application was developed by the chapter members themselves and was launched on the play store to help the students in staying up to date with the chapter activities.



CCET ACM-W: Chapter Inauguration

The CCET ACM- Women Chapter was launched on 13th December 2021 with an aim to increase the participation of women members in the field of computing. An inauguration event was hosted by the chapter members and the students were obliged by the presence of Dr Shachee Mishra who is a research scientist at IBM research and a prominent personality in the field of computer science and shared her insight about her journey and life experiences.



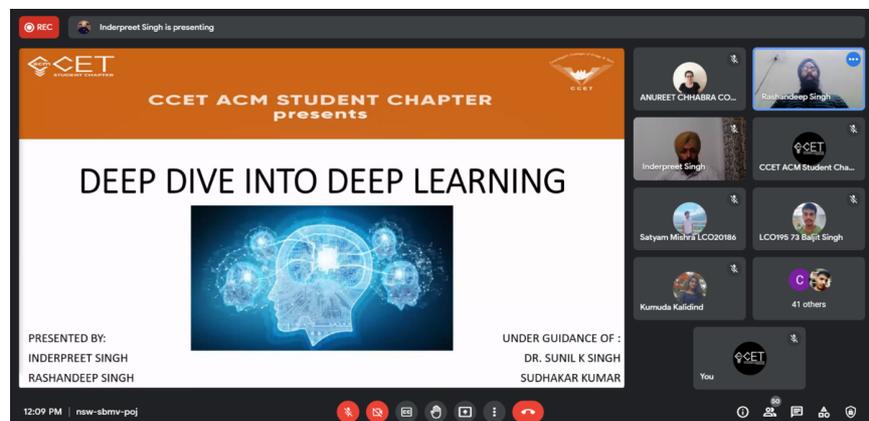
CASC Featured As Chapter of the Month

CASC got featured on the ACM India Student chapter Website as "Chapter of the Month" for reporting the highest number of activities in the month. The chapter was highlighted as the best out of 195 student chapters in India.



EVENTS

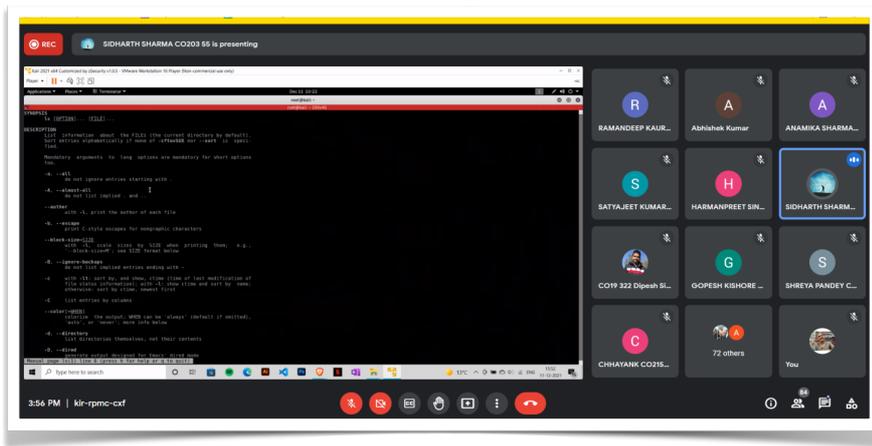
Deep Dive into Deep Learning - Workshop- Oct 24, 2021 - Oct 24, 2021



International Video Contest- Student Competitions- Nov 21, 2021 - Dec 12, 2021

Ethical Hacking and Network Privacy - Workshop- Dec 11, 2021 - Dec 11, 2021

Code Piece -Student Competitions- Oct 15, 2021 - Oct 15, 2021



**Deep Dive into Linux -
Workshop- Dec 26,
2021 - Dec 26, 2021**

**Illustrating Poster
Making with Adobe
Illustrator -Workshop-
Nov 13, 2021 - Nov 13,**

**Workshop on "Node JS"
Workshop
Nov 07, 2021 - Nov 07,
2021**

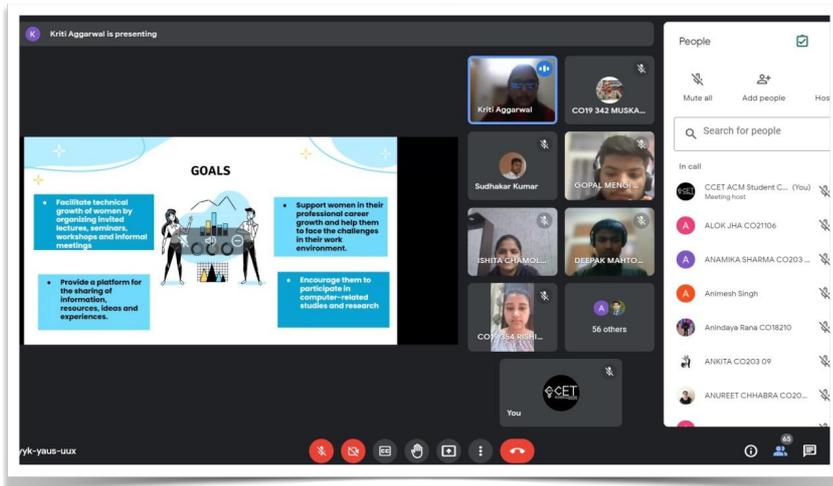
**Coding Raijin -Student
Competitions-Sep 25,
2021 - Sep 25, 2021**

**Meet your Mentors-
Social Events- Sep
07, 2021 - Sep 07,
2021**



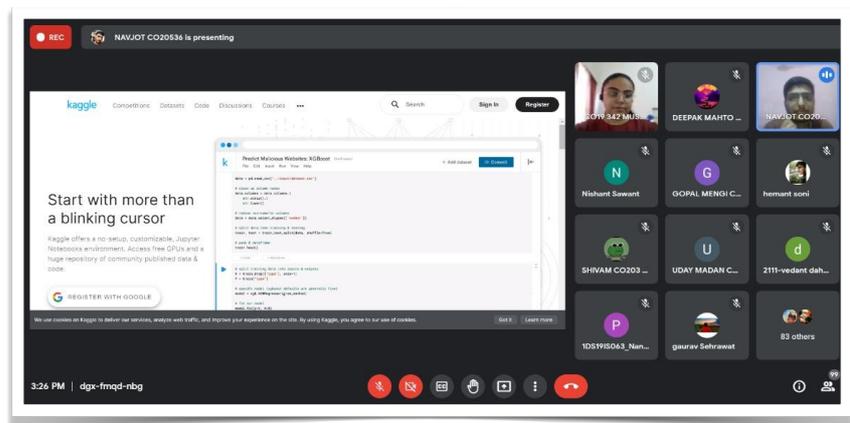
**Hack the October with
Hacktoberfest- Let's Learn Git &
GitHub Together- Workshop- Oct
3, 2021 - Oct 3, 2021**

**Technical Paper Writing Contest
2021 -Student Competitions-
Oct 22, 2021 - Nov 10, 2021**



Future Prospects to Engineering Graduates for Entrepreneurship and Start-ups- Seminar -Aug 31, 2021 - Aug 31, 2021

Roadmap to Machine Learning Algorithms-Workshop- Sep 18, 2021 - Sep 19, 2021



Fundamentals of Blockchain Technology - Workshop- Dec 12, 2021 - Dec 12, 2021.

Hour of Code -Community Service/Outreach- Dec 04, 2021 - Dec 05, 2021

Vivify- Poster Designing Competition -Student Competitions- Nov 13, 2021 - Nov 15, 2021

Research Publications:

Dr. Sunita (Co-Authors: Amarjeet Prajapati, Anshu Parashar, Alok Mishra) has published a research paper “Entropy-Driven Global Best Selection in Particle Swarm Optimization for Many-Objective Software Package Restructuring. in Complexity Journal (SCI, Hindawi and Wiley, Impact Factor: 2.833).

Er. Sudhakar Kumar won the best paper award for his paper “Efficient Speculative parallelization architecture for overcoming speculation overheads” in International Conference on Smart Systems and Advanced Computing (Syscom-2021). Co-Authors- Sunil K Singh, Naveen Aggarwal, Kirti Aggarwal.

CCET(Degree wing) ACM Members also published various research articles in prestigious Journals like Wiley, Springer, IGI Gopal, Taylor & Francis etc.

CSE 8th Sem Jan- June 2022

(Students on Internship)

COMPANIES

JungleWorks

Code Brew Labs

Gemini Solutions

uTrade

Quark

NITI Ayog, Sansad Marg, New Delhi

India Mart

WebMob

eNest

Finxera

Tech Mahindra

Cvent

Walmart



CIVIL ENGINEERING DEPARTMENT

STPs for Faculty Development

- Prof. Rajesh Kumar attended the “FDP on Inculcating Universal Human Values in Technical Education” from 14-18 Jun 2021 organized by AICTE, New Delhi”
- Prof. Rajesh Kumar and Dr Aradhana Mehta attended the “Online Orientation Training Programme for Mentors” from 2nd – 6th August 2021 at NITTTR, Chandigarh.
- Er. Poonam and Er. Anil Kumar attended a one-month long Faculty Induction Programme (FIP) at Human Resource Development Centre (HRDC), H.P. University, Shimla held from 12.07.2021 to 10.08.2021.
- Er. Arafat Ahmed attended and completed the 5-day FDP-SI UHV Online Workshop organized by the AICTE during 2-6 August 2021.

Research Papers Published:

Prof. Rajesh Kumar published the two research papers:

- “Experimental investigation of Steel Fibre reinforced Self Compacting Concrete (SCC) using recycled aggregates as partial replacement of coarse aggregates”, *Materials Today: Proceedings (Elsevier)*, Vol. 48, Part 5, 2022, PP 1032-1037. (Co-authors: Sunita Kotwal and Harpal Singh).
- “Study on sulphate and chloride resistance of self-compacting concrete”, *Materials Today: Proceedings (Elsevier)*, Vol. 48, Part 5, 2022, PP 1044-1047. (Co-authors: Sunita Kotwal and Harpal Singh).

Dr Aradhana Mehta published the following research papers:

- UGC Approved International Journal of Research and Analytical Reviews, E-ISSN 2348-1269 titled ‘Investigations on properties of bricks using waste marble powder and fly ash’ Vol. 8, Issue 4, Nov. 2021, Impact factor 7.17.
- Referred Journal - IJMTE Journal, titled Strength and Durability Characteristics of Recycled aggregates containing fly ash and Silica Fume ‘, Vol. 6, Issue 12, Dec. 2021, Impact factor 6.3.

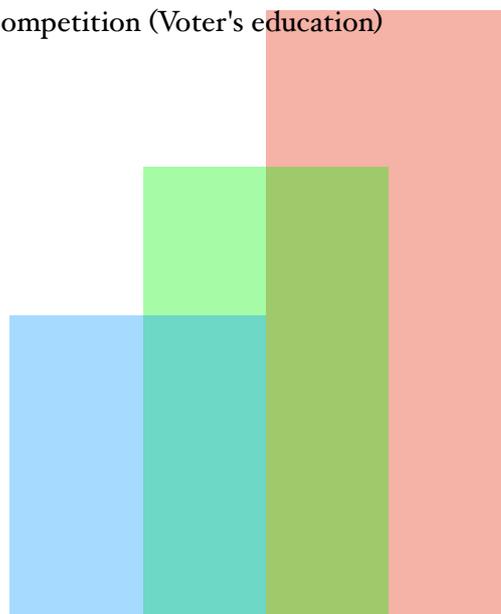
Anil Kumar published the following research paper:

- “Scour protection around bridge pier and two-piers-in-tandem arrangement”, Scopus-indexed Taylor & Francis’ ISH Journal of Hydraulic Engineering, 2021, (DOI: <https://doi.org/10.1080/09715010.2021.1874550>).

More by dept of civil

Achievements/Activities of the Students:

- Mr Roopesh (CO19239) secured the following feats:
 - ✦ India Skills Nationals by NSDC, Govt. of India and won Medallion of Excellence with a cash prize of Rs. 10000 in Water Technology in December 2021.
 - ✦ Represented CCET (Degree wing) and Secured 2nd runner up position in Intercollege Quiz Competition organised by Dept. of Telecommunications, Govt. of India on 27-10-2021.
 - ✦ Awarded the DGNCC COMMENDATION CARD with Cash Prize (Awarded only to 200 students among 14 lakhs students) on 26-11-2021 by Ministry of Defence, Government of India.
 - ✦ Won Gold Medal in Water Technology at State Level Skills Competition organized by (N.S.D.C) Ministry of Skill Development and Entrepreneurship, Govt. of India in Sept. 2021.
 - ✦ Won 3rd prize in North Zone Finals with a Cash Prize of Rs. 5000 on 07-09-2021 organized by Ultratech Cement Ltd.
- Mr Alok Singh (CO19205) won 1st position in India Skill (Zonal) event on 26-08-2021 organized by N.S.D.C) Ministry of Skill Development and Entrepreneurship, Govt. of India.
- Mr Ishpreet Singh Kapoor (CO18228) won 2nd position trophy in the event “Azadi ka Amrit Mahotsav quiz” at Ministry of Electronics and Information Technology, Govt. of India on 27-10-2021.
- Mr Naveen Balodi (LCO18265) secured 1st place with a cash prize of Rs. 5000 in Skill India Competition on 17-09-2021 organized by NSDC, Ministry of Skills, Govt. of India.
- Ms Sunidhi Dhiman (LCO19277) secured 2nd position with a Trophy and e-certificate in the event Poster Making Competition on National Education Day by IIC-CCET (Degree wing) on 11-11-2021.
- Mr Sameer Sharma (CO20242) received the Trophy for Award of Honour and a certificate of participation on 18-12-2021 in the State Level Inter College Competition (Voter's education) organized by the State Election Commission, Chandigarh.



Civil 8th Sem Jan- June 2022

(Students on Internship)

COMPANIES

Deptt of Rural Development and Panchayati Raj

Public Works Deptt, Itanagar

CPWD, Chandigarh Region

PWD, Punjab

Irrigation Engineering Deptt

GMADA, PUDA, Punjab

HPPWD, Shimla, Himachal Pradesh

Mortar Civil Solutions Pvt. Ltd.

PWD, Haryana

LEA Associates South Asia Private LTD.



MECHANICAL ENGINEERING DEPARTMENT

Workshop's

Er. Vinod Chauhan attended one-week AICTE ATAL online FDP on "Elements of FEM" from 26/07/2021 to 30/07/2021 at Government Engineering College, Bharuch.

Dr. Radhey Sham, Dr. Vettivel S C & Dr. Mukesh Kumar participated and successfully completed the 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education from 02/08/2021 to 06/08/2021.

Er. Vinod Chauhan Participated a AICTE sponsored QIP Short Term Course on Industrial IoT and Robotics from 22/11/2021 to 27/11/2021 (One Week) through online by NITTTR Chandigarh.

Dr. Vettivel S C & Dr. Mukesh Kumar participated and completed successfully a AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Innovative Techniques in Product Design, Numerical Simulation and Additive Manufacturing" from 06/12/2021 to 10/12/2021.

Dr. Ashwani Kumar & Er. Nipun Sharma participated and successfully completed the 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education from 06/12/2021 to 10/12/2021.

Expert Lecture Delivered:

Dr. Vettivel S C delivered a expert lecture in online Faculty Development Programme under the title "Smart materials and its characterization" on 11.12.2021 in PSN Engineering College, Tamilnadu.

Dr. Mukesh Kumar delivered a guest lecture in the topic of "Plasma arc machining process on 28.07.2021 as a part of the SAE & ISTE sponsored 7 online Faculty Development Programme on "Un conventional Machining Process" from 26.07.2021 to 02.08.2021 by Sri Sairam Engineering College, Chennai, Tamilnadu.

Students Achievement:-

Gaurav Jaswal (CO18117) got "A" grade in 'C' certificate examination of NCC

More by Mechanical department

Project Completed:

Design and development of an automated modular car parking system for the city of Chandigarh (Funded by DST Chandigarh), Rs. 3, 28, 340/- (2019-21) with Dr. Jatinder Madan as Project Investigator, and Dr. D S Saini, Dr. S K Singh, and Dr. Rajesh Kumar as Co-PI

Patent Awarded/Published

Jatinder Madan, Radhey Sham, Ashwani Kumar, Himanshu Bisht, Prashant Prakash, 2021. Depth thread plug gauge, Design, Design application number 346385-001, Accepted (Application date 16/07/2021, Registration date 19/07/2021, Issue date 13/09/2021)

Dr. Vettivel S C & Dr. Mukesh Kumar, 2021. Artificial Intelligence based smart computing On – Board ECU for predicting vehicle parts reliability and failure, Australian Innovation Patent, Awarded, Patent No: 2021107427, Vol. 35, No. 46, 18 November 2021.

Research Publications

(National Journal/International Journal/International Conference/Book Chapter)

Singh P.P., Madan J., Singh H. (2021) Economically Sustainable Configuration Selection in Reconfigurable Manufacturing System. In: Singh H., Singh Cheema P.P., Garg P. (eds) Sustainable Development Through Engineering Innovations. Lecture Notes in Civil Engineering, vol 113. Springer, Singapore. https://doi.org/10.1007/978-981-15-9554-7_40

MN Krishnan, S Suresh, Vettivel S.C. (2021), "Image Texture Description, Surface-Grains Structure Morphology and Prediction of Wear Parameters for Mg/B4C Composites Using Response Surface Methodology, Metals and Materials International, 1-20 (SCI, Springer, Impact factor: 3.642) <https://doi.org/10.1007/s12540-021-01042-2>

Mechanical Department

8th Sem Jan- June 2022

(Students on Internship)

COMPANIES

Bharat Electronics Limited, Panchkula

P&R Infraprojects Ltd.

DRDO

CSIO

Santech Industries, Mohali

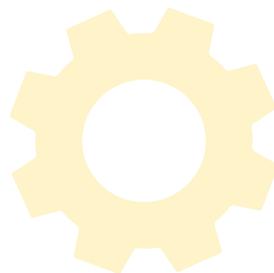
Sark Industries, Mohali

Jungle Works

Steel Strips Group

SML, ISUZU, Ropar

Maruti Suzuki





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(Degree Wing) Sector - 26, Chandigarh, 160019, India

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Joint Incharge : Dr. Sunita

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Editor & Designer : Harsh

kashyap (CO20527)

Co-Editor : Bhavna Sehrawat

(CO20512)



principal@ccet.ac.in



0172-2750947



www.ccet.ac.in