



NEWSLETTER HIGHLIGHTS

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- IIC Event

- NSS

- TPC

- ECE Department

- CSE Department

- Civil Department

- Mechanical Department

- Sports

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.

Institute Industrial Relations Council (IIRC)

The Institute Industrial Relation Cell (IIRC) of CCET (Degree wing) organized various events by inviting experts from various industries from January to June 2022 to update the students' skills with emerging technologies used in Industries. Such Interaction with industries experts helps IIRC to build strong relation with Industry.

Field visit at BIS NRO lab at Mohali

Date: 24-February-2022

Objective: Exposure is the key to have an experience that can have profitable returns in work life. For the same reason students were given a chance to have a visit to attain some exposure and experience at BIS NRO Lab. This was an attempt to give them a good experience of how the industry works. Message conveyed: IIRC Cell of the institute organized a field trip to BIS NRO Lab for the students of Civil Engg, Mechanical Engg., and Electronics and Communication Engineering.



BIS is committed to provide services and benefits of standardization and conformity Assessment to all its stakeholders. BIS has a dedicated department for consumer related activities- Think, Nudge & Move Department (TN & MD). TN & MD at BIS headquarters handles various consumer related activities which includes redressal of public grievances, registering consumer groups, organizing various awareness programmes for the stakeholders of BIS and celebrating World Standards Day.



Session on Entrepreneurship and Management skills

Date: 13-April-2022

Objective: Management skills bring people in positions of authority to carry out specific management activities or tasks. Effective time management skills allow entrepreneurs to complete critical tasks quickly. They must manage their professional and personal lives in tandem, striking a balance between work and home. A great idea is the seed of every successful business.



Our honourable guest Sh. Harjinder Singh Cheema (Chairman, Cheema Boilers Ltd.) inspired students with his gracious presence and extensive knowledge about entrepreneurship and marginal skills. It was a very helpful session for students as they got to know about the challenges faced by an entrepreneur as Mr. Cheema shared his own experiences with us.

Industrial Visit for the students of Mechanical Engg deptt (Prisma Engineers at Doraha, Ludhiana) and Civil Engg Deptt (Ambuja Cement Plant at Ropar)

Date: 18-May -2022

Objective: Skills in industry bring out the best in people to grow professionally. They must get the exposure so that the students understand grass level problems and do not have to struggle much in their professional life.



To ensure that students get a chance to have a hands on experience. IIRC Cell of the institute organized an Industrial visit for the students of Mechanical Engg deptt (Prisma Engineers at Doraha, Ludhiana) and Civil Engg Deptt (Ambuja Cement Plant at Ropar) on 18th may, 2022. Students are well versed with theoretical part of their curriculum but that is not enough for complete knowledge about the particular domain. With the help of such industrial visits it helped the students to gain practical knowledge.



Number of students attended the event: 30

The IOT services extend from sensors to insights, enabling automated monitoring, remote diagnostics, and real-time factory visibility. Our honorable guest Mrs. Pratibha Sharma (Technology Lead, Infosys) graced us with her presence and enlightened students with the importance of Internet of Things (IOT) in today's world. Her extensive knowledge and expertise in this field kept students engaged throughout the session.



Current Technological Trends/ Advancements in Software Industry

Date: 25-May-2022

An interactive session on Current technological trends/advancements in Software Industry was conducted to guide the students through the industrial manufacturing practice at Infosys which builds an Internet of Things (IOT) ecosystem for connected business operations.

NSS

Pariksha Pe Charcha

Honorable Prime Minister Shri Narendra Modi addressed the students, parents and teachers in the fifth edition of Pariksha Pe Charcha on 01st April 2022. The program was attended by all students of Chandigarh College of Engineering & Technology (Degree Wing), Sector-26, Chandigarh.

International Women's Day

International Women's day was celebrated on 8th March 2022. On this Occasion Group Discussion and conventional debate was organized by NSS UNIT of CCET Degree Wing.



The International Day Against Drug Abuse and Illicit Trafficking

On 10th June 2022 “The International Day Against Drug Abuse and Illicit Trafficking” day was observed and pledge was taken by students, faculty and staff members of the Institute.



International Yoga Day

Chandigarh College of Engineering and Technology (Degree Wing) organized a 3-Weeks Yoga Camp from 1st June, 2022 to 21st June, 2022. The International Yoga Day was celebrated on 21st June, 2022 on the theme “Yoga for Humanity”.



TPC

Training and Placement Cell of CCET (Degree wing), Chandigarh conducted a mentoring session on “CV Writing” on 27th April 2022 from 10:30 AM to 1:30 PM at Civil Engineering Seminar Hall, Block-B, CCET (Degree Wing). Speaker of the event was Ms. Sophia Dhawan, an alumnus of CCET, Chandigarh (2018 batch). After getting BE degree in Computer Science & Engineering from Department of CSE, CCET (Degree Wing), she went for higher studies and completed her MBA from Faculty of Management Studies, University of Delhi, and currently working at American Express as an Assistant Manager.



She talked in detail about how building a good CV is an important skill that is often neglected by students.

She elaborated on how CV building is an important skill because it helps students to display their skills and achievements in a proper order which makes them stand out among other candidates. Even if you have good skills, but if you don't know how to present them to the recruiters, there is a high chance that you would fail to grab that job. Almost 93 students from different branches and semester attended the event.

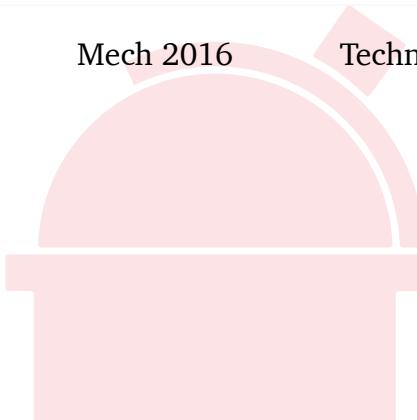
Training and Placement cell of the institute also organized Alumni week during 9-13th May 2022 (2:30 PM to 5:30 PM daily). Alumni were invited to share their knowledge and experiences with the students.

Following are the details of the alumni who interacted with the students during Alumni week.



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Date of Seminar	Name of Resource Person	Batch	Current Company and Designation
9 May 2022	Mr. Ashim Bhasin	CSE 2018	Consultant, Technical Risk at EY
9 May 2022	Mr. Akshat Jain	CSE 2018	Specialist Programmer at Infosys
10 May 2022	Mr. Aditya Vaid	Mech 2016	M.S. From IIT Madras
10 May 2022	Mr. Deepak Kumar Jha	CSE 2015	Co-Founder at Block8
11 May 2022	Mr. Utkarsh Khandelwal	CSE 2019	Co-Founder at Rootworkz Education
11 May 2022	Mr. Ayush Basral	CSE 2021	SDE 2 at Amazon
12 May 2022	Mr. Vasu Sachdeva	Civil 2016	Sub Divisional Engineer at Punjab Irrigation Department
12 May 2022	Ms. Jessica Joshi	CSE 2020	Probationary Officer at State Bank of India
13 May 2022	Mr. Yash Mittal	ECE 2019	System Design Engineer at Intel
13 May 2022	Mr. Vishal Kumar	ECE 2019	Software Engineer at Hindustan Times
13 May 2022	Ms. Niti Gupta	CSE 2016	SDE 2 at Microsoft
13 May 2022	Mr. Adhyayan	CSE 2018	Photographer/videographer
13 May 2022	Mr. Pranav	Mech 2016	Technology Analyst at Infosys



ECE department



Department of ECE had organised a two day workshop in for both faculty and students on “OrCAD Design and Simulation Software” through Entuple Technologies Pvt. Ltd. from 3rd March to 4th March 2022. The event was co-ordinated by Dr. Parvinder Kaur, AP of ECE Department.

Department of ECE had organised a seminar on **“Career Guidance Program”** through the Engineers Career Group, Chandigarh for 3rd year students to spread awareness among them about various career opportunities after their graduation.

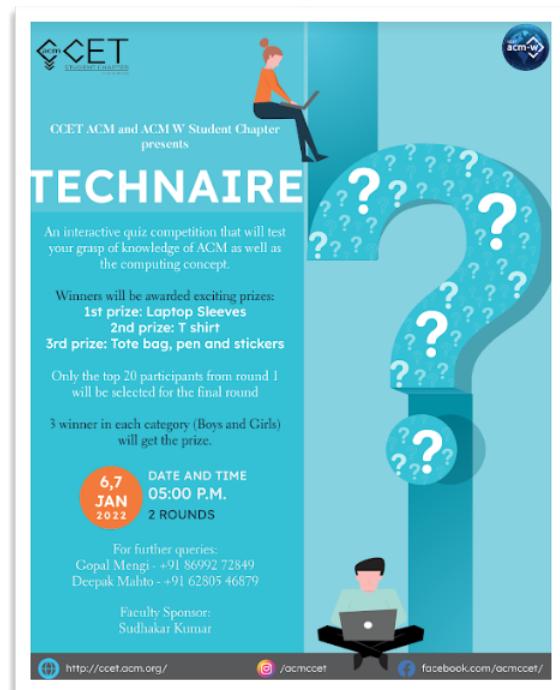


CSE department

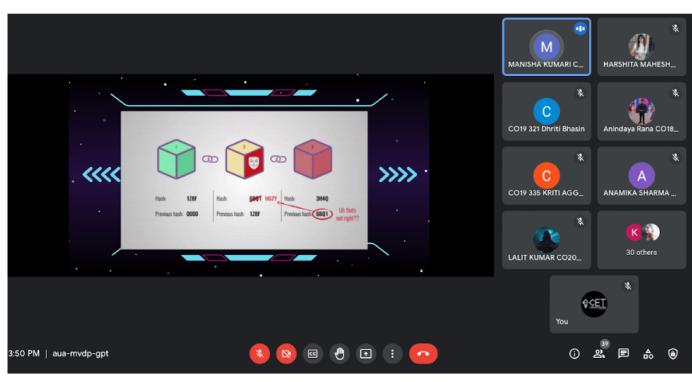
ACM Events:

Technaire

An interactive quiz contest was organised to test the grasp of knowledge of ACM as well as the computing concept by students on the 6th and the 7th of January, 2022. It helped students to discover some computing concepts, technologies, methods, and facts. At the end of two days exciting event winners were awarded with exciting prizes. The event was co-ordinated by ACM student council members; Gopal Mengi and Deepak Mahto.



Blockchain App Development

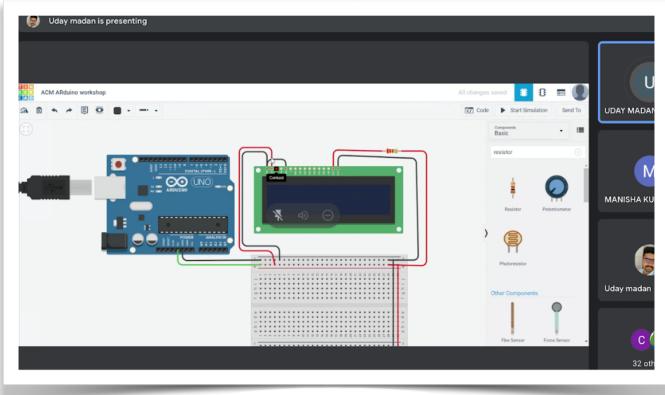


A session was organised on 3rd June, 2022 to Introduce the Blockchain App development where students were given an insight on Blockchain App development along with the hands on session.

The session involved discussion of Introduction to the topic and Blockchain architecture. The most attractive part of the session involved creation of one's own cryptocurrency and NFT. At the end students were made aware about its various applications and career opportunities. The speaker of the event was Udayveer Singh.

Getting Started with Arduino

A workshop on Arduino and Microcontrollers was taken by speakers Uday Madan and Lalit Kumar on the 13th February, 2022. Functioning, uses of Arduino and basic introduction of microcontrollers were presented by the speakers.



The Coding structure of Arduino UNO was showcased and the session ended with a hands on experience over making a basic level Arduino program and circuit to understand the functioning.

Robotics and Embedded Systems

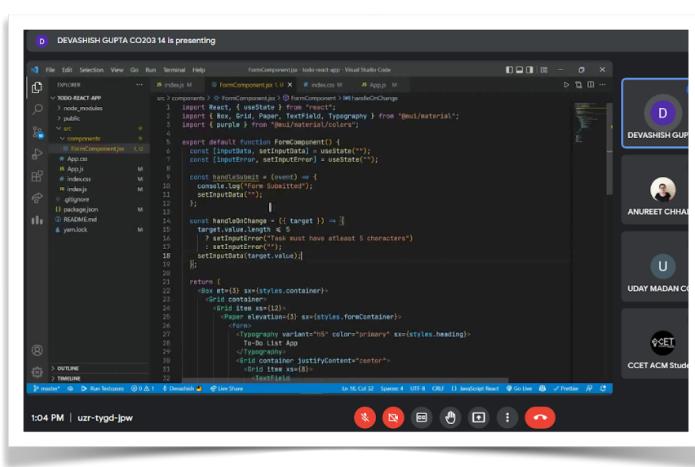
To encourage students about the growth and development in the field of robotics CCET ACM and ACM-W Student Chapter organized another amazing workshop on "Robotics and Embedded Systems" where all the students were given an insight over Arduino and Embedded Systems along with their functioning.



The session involved hands-on experiments where students were given an opportunity to implement these concepts with deep practical knowledge. The speakers were Arjun Gupta and Rupesh Batra.

Introduction to React JS

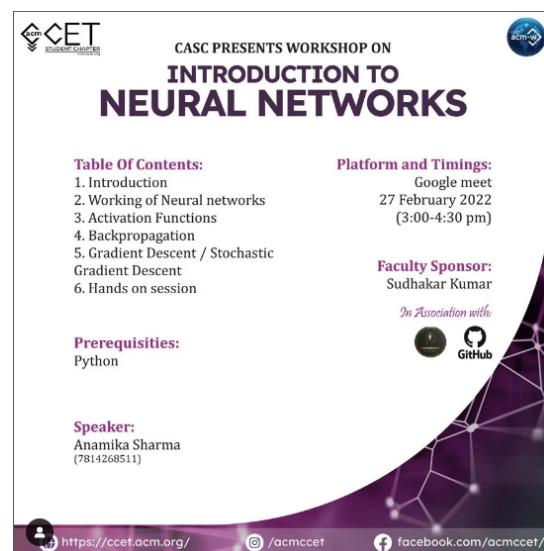
To make the students aware about the importance of Web contents and application an interactive event was organised by CCET ACM and ACM-W Student Chapter on the topic React JS on May 14th, 2022. The event started with the introduction of JavaScript and basics of react. Furthermore, during the session various react components and its conversions were discussed along with practical code explanation.



To cover the complete core concept of react framework the concept of State, Hooks and Props was also explained. At the end of the session a hand on experiment was conducted by the speakers. The session was carried by Devashish Gupta and Ishleen Kaur.

Introduction to Neural Networks

The workshop was organised by the ACM Student chapter to make the students aware about the different technologies involved in Neural networks. The event started with a brief introduction of the topic along with some of its working concepts.



During the event, students were presented with the deep knowledge of Activation functions, Backpropagation and Gradient Descent / Stochastic Gradient Descent. The session ended with a hands on session over working with Neural networks.

Speaker Anamika Sharma led the workshop.

Achievements

Chapter of the Month

The CASC CCET ACM student chapter got Featured on the ACM India Student chapter Website as “Chapter of the Month” for reporting the highest number of activities in the month (December). The chapter was highlighted as the best out of 195 student chapters in India.



Akash Sharma, Anureet Chhabra, Saksham Gupta, Gopal Mengi, Deepak Mahto, and Anamika Sharma, Manraj Singh, Uday Madan, and Tamanna Maan have presented their conference paper under the guidance of Dr. Sunil K Singh, Professor and HOD, CSE and Er. Sudhakar Kumar, Assistant Professor, CSE which got accepted in International Conference on Cyber Security, Privacy and Networking (ICSPN-2022). The conference was organized on 9th to 11th September, 2022 at Thailand in virtual mode.



Expert Lecture Delivered:

Dr. Ankit Gupta

Expert lecture delivered on

Topic: "Mesmerizing world of journals:An insight into indexed,predatory and cloned journals"

Date:23rd May,2022

Time: 3:45 pm to 4:45 pm.

Institute Name: Birla Institute of Technology,
Off Campus Noida.

Workshop/STC/Seminar organized/ Attended:

- The Department of Computer Science and Engineering successfully organized an expert talk by Dr. Suresh Kumar on the topic "Computer Vision Syndrome - COVID Era Perspectives". The event was held on 27 May 2022 from 12:00 noon to 01:30 P.M.
- Dr. Gulshan Goyal : Attended AICTE-Workshop on Examination Reforms from 14th-16th



Research Publications

- Singh, Rashandeep, Inderpreet Singh, Ayush Kapoor, Adhyan Chawla, and Ankit Gupta. "Co-Yudh: A Convolutional Neural Network (CNN)-Inspired Platform for COVID Handling and Awareness." *SN Computer Science* 3, no. 3 (2022): 1-12.
- Koul, Yashasvi, Kanishk Mamgain, and Ankit Gupta. "Lifetime of tweets: a statistical analysis." *Social Network Analysis and Mining* 12, no. 1 (2022): 1-15
- Inderpreet Singh, Gulshan Goyal, Anmol Chandel, "AlexNet architecture based convolutional neural network for toxic comments classification, in *Journal of King Saud University - Computer and Information Sciences*, 2022,ISSN 1319-1578.
- Aggarwal, K., Gulshan Goyal. (2022). IoT- Based Innovative Technological Solutions for Smart Cities and Villages. In: Proceedings of International Conference on Innovative Technologies for Clean and Sustainable Development (ICITCSD – 2021). Springer, Cham. https://doi.org/10.1007/978-3-030-93936-6_3.
- Kochhar, T.S., Gulshan Goyal, (2022). Design and Implementation of Stop Words Removal Method for Punjabi Language Using Finite Automata in Advances in Data Computing, Communication and Security. Lecture Notes on Data Engineering and Communications Technologies, vol 106. Springer, Singapore.
- Singh, Rashandeep, and Gulshan Goyal , "Algorithm Design for Deterministic Finite Automata for a Given Regular Language with Prefix Strings" *Journal of Scientific Research*,66, No. 2 (2022): 16-21.

CIVIL department

Activities

- Civil Engineering Dept. organised a seminar on “Advancements in Design of Bridges and Flyovers” on April 26, 2022. The speaker, Er. Varun Garg (Executive Director, Mortar Civil Solutions Pvt.Ltd. Mohali), interacted with the 3rd year Civil students about different opportunities in training and placements in this area. Eventually, MCSPL selected six students for 6-week training.
- An Industrial visit to Ambuja Cement Plant, Rupnagar, Punjab was organised for 2nd and 3rd-year Civil students on May 18, 2022, in association with the IIRC-CCET and Bureau of Indian Standards(BIS), Regional Office, Chandigarh. Students gained useful information on this visit. Mr Anil Kumar (Asst. Professor) and Mr ManinderSingh (Technical) accompanied the students on this trip.

Research papers published:

Prof. Rajesh Kumar published he following research papers:

- “Experimental investigation of Steel Fibre reinforced Self Compacting Concrete (SCC) using recycled aggregates as partial replacement of coarse aggregates”, Materials Todays: 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 Todays: 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:

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

Expert Lectures Delivered

Anil Kumar delivered online expert lectures on “Analysis and Design of Structures using SAP000” for Civil Engg. UG and PG students of Dept. of Civil Engineering, Central University of Haryana, Mahendragarh, during 5-6th March, 2022.

Mechanical department

Patent Awarded

Dr. Mukesh Kumar, Dr. Vettivel S C, Er. Ansar Ahmed, Er. Abhishek and Er. Anuj Sharma (2022). Key Self - Locking Protection System and Method , Application number 202211008355, Status: Published (Registration date: 17/02/2022, Publication date: 25/02/2022)

Research Publications

Bansal, R., Dhami, S.S., Madan, J. (2022). Design Feature Assessment for Fused Deposition Modeling Using Supervised Machine Learning Algorithms. In: Sachdeva, A., Kumar, P., Yadav, O.P., Tyagi, M.(eds) Recent Advances in Operations Management Applications. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-7059-6_20. ISBN 9789811670596 (Published Feb, 2022)

Arvinder Singh Channi, Harminder Singh Bains, Jasmaninder Singh Grewal, Vettivel S C, Raman Kumar (2022), "Investigation of Tool Wear Rate during EDM for Aluminium Metal Matrix Composite (5-10% TiB2) Prepared by Squeeze Casting, J. Electrochem. Sci. Eng, 1-14 (Scopus) <https://doi.org/10.5599/jese.1391>

Conference Chair

Dr. Vettivel S C delivered a expert lecture as a resource person in the Centre for Faculty Development, Anna university, Chennai Sponsored online Six day Faculty Training Programme on 18.01.2022 at Government College of Engineering Srirangam, tricy, Tamilnadu.

Dr. Vettivel S C Chaired a technical Session in the International Conference on Material, Design and Manufacturing (ICMDM'22) organized by the Department of Mechanical, Automobile & Aeronautical Engineering, Kumaraguru College of Technology, Coimbatore, Tamilnadu on 21st ans 22nd June 2022.

Workshop

Dr. Jatinder Madan's YouTube channel "(979) Jatinder Madan - YouTube" on CAD/CAM topics and Ansys tutorials continues to attract the students and learners with some video tutorials approaching 4000 views.

Mr. Manoj Kumar, Workshop Assistant keeps on successfully running his you tube channel "Key Engineering100% - YouTube" benefitting several students and learners. The channel has more than 3000 subscribers

Students Achievement

Arya Kaushal (Roll No: CO18113, Batch: 2018-2022) doing M.Tech (Manufacturing Engineering) in Indian Institute of Technology, Ropar, Panjab, india.



ASME Activities

New Executive Board of ASME student section of CCET Degree Wing has taken over with Mr. Ayush Rannout as the Chairperson in Jan 2022. The ASME student section of CCET organized a number of events as mentioned below.

- An interactive session by Marcus Lannie, ASME President Purdue University ASME Chapter on 'Career Options and Decision Making in Engineering Design conducted
- Know your Alumni interaction with CCET Alumni Mr. Aarush Sood. Mr. Aarush is pursuing his PhD at University of North Carolina at Charlotte.

PhD Supervision Competed

Dr. Jatinder Madan's research scholar Mr. Prince Pal Singh successfully defended his PhD thesis titled Optimization of product flow configuration generation for a reconfigurable manufacturing system (RMS) at IK Gujral Punjab Technical University, Kapurthala, Punjab, India.

M. Tech Supervised

Dr. Jatinder Madan and Dr. Vettivel S C guided M. Tech student of NITTTR, Chandigarh jointly with Professor B S Pabla of NITTTR, Chandigarh. The M. Tech student Mr. Prashant Veer submitted his thesis on the title of Characterizing FDM-fabricated thermoplastic polyurethane for knee spacer applications (2022)

- Training on CAD software for CCET students
- A workshop in collaboration with ROBOKNOX

Student Achievements

- Hardit Singh CO21218 and team from Punjabi By Nature Club participated in Punjabi Folk Dance Competition organised by New Theatre Regional cultural development Association and won 2nd prize in Group Dance Senior Category held on May 25, 2022, at Tagore Theatre, Sector 18, Chandigarh.



Sports

Gold medal in inter-college Cricket tournament held on March 17, 2022

TEAM

ARCHIT MALHOTRA CO17209
SUDHANSU SHARMA CO18254
AADILPREET SINGH BHULLAR CO18201
AMAN SHARMA LCO18259
SARTHAK PUNJ CO18248
JOBAN PREET SINGH GREWAL CO18232
NISCHAYJEET SINGH KHROUD CO18237
RATTANBIR SINGH CO18243
CHETAN SHARMA CO18219
PARDEEP DHANDHA CO18241
ASHISH NAYYAR CO18212
ROHIT PUNDIR LCO18266
JAPTYESH CO18229
JAYPRAKASH CO18231



FINGERPRINT

Won Silver medal in Inter Year Girls Basketball Match and Inter Year Girls Volleyball Match

TEAM

TAMANNA SHARMA CO20248
CHESTA ARYA CO20513
RUMAN SIDHU CO20550
JHALAK NIHALANI LCO20374
SHWETA GAUTAM CO20244
BHAVNA SEHRAWAT CO20512(C)
KHUSHI BHARDWAJ CO20225
AAYUSHI SHARMA CO20501
RASHMI LCO20274
MANVINDER KAUR LCO20270
MAHIMA CO20534



Won Gold medal in Inter Year Girls Basketball Match and Inter Year Girls Volleyball Match.

TEAM

VANSHIKA DHIMAN CO19258
KRITIKA BHATT CO19131
DRISHTI GUPTA CO19120
ANSHITA LCO19572
YASHAVI CO19262
VANSHIKA SHARMA LCO19580
DHRITI CO19321
HARSHITA CO19223



A Gold Medal In 25 Meter Rapid Fire Pistol

Japtyesh CO18229 won a Gold Medal in 25 Meter Rapid Fire Pistol at the All India Inter-University competition in Bangalore in May 2022 Representing Punjab University.





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