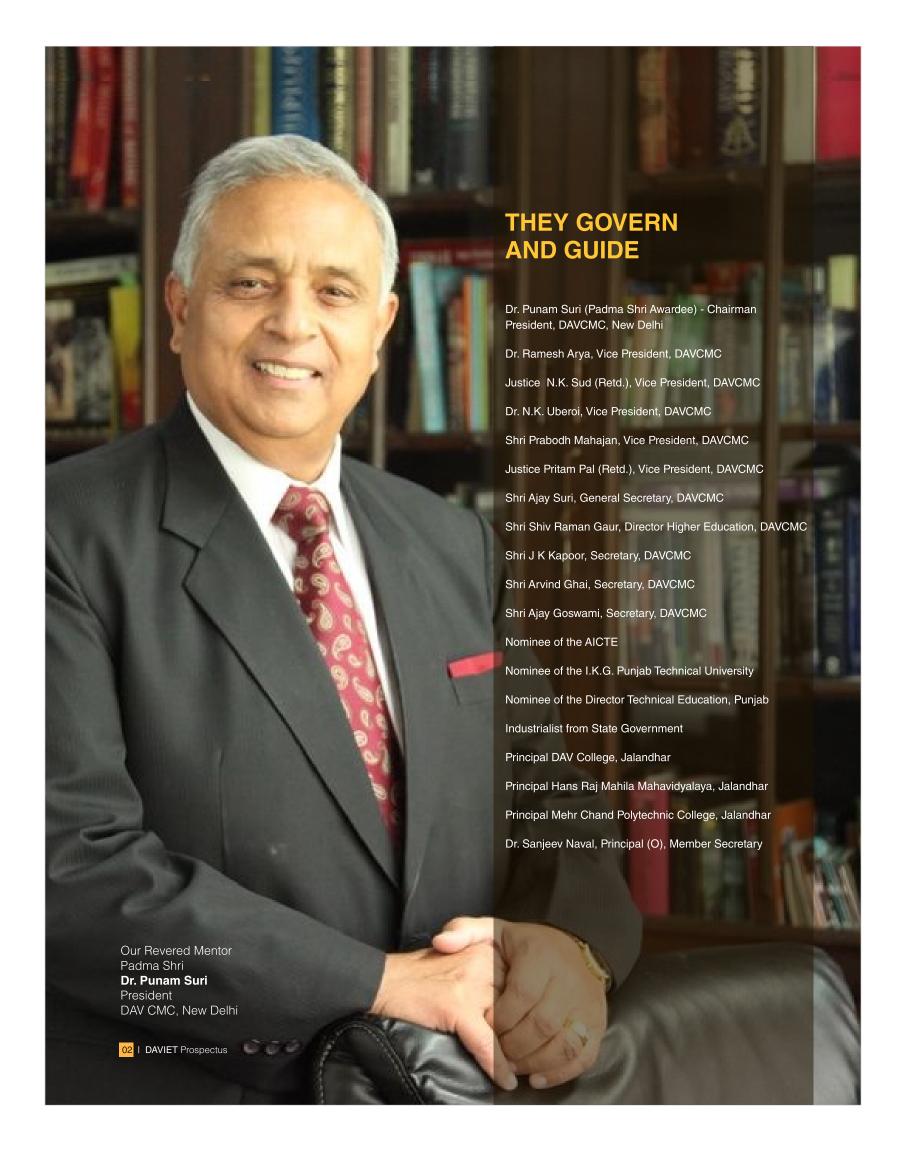


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FROM THE DESK OF PRINCIPAL

Dear Prospective Students

As we embark on a new journey into the academic year 2024-25, it gives me immense pleasure to extend a warm welcome to all of you to DAVIET, Jalandhar.

Congratulations on embarking on your journey towards excellence by securing a seat in one of the nation's premier institutions. At DAVIET, we believe in fostering an environment that nurtures intellectual curiosity, creativity, and holistic development. Our commitment to academic excellence, coupled with a strong emphasis on values and ethics, sets the foundation for our students to become responsible global citizens and leaders of tomorrow.

DAVIET, a distinguished institution is managed by the DAV College Managing Committee (DAVCMC), New Delhi. The academic network of DAVCMC, encompasses over 970 schools and colleges in India and abroad, nurturing the academic growth of over 20,000,00 active students. With a sprawling community of 40,000,00 alumni, DAVCMC has left an indelible mark on society, shaping generations of leaders and visionaries.

Our collaboration with the Punjab Innovation Mission underscores our dedication to inspiring creative thinking and fostering technological advancements that serve the betterment of society. We take immense pride in our accreditation by NAAC with A+ grade and our noteworthy rankings in esteemed nationwide surveys. Our consistent performance speaks volumes—being given high rank in Punjab among top private engineering colleges by Education World India Engineering Institutes Rankings 2020-21, and being declared Outstanding Engineering College of Excellence by CSR GHRDC Survey, among others.

Our students consistently excel in academic pursuits, securing top merit positions in university examinations. The success of our placement program is a testament to our commitment to grooming industry-ready professionals. With an impeccable track record of 100% placement, our students receive offers from leading companies making it a sought-after centre of technical and professional education. With an exemplary track record in placements, DAVIET has forged alliances with over 200 esteemed companies for internships and job placements. In the past two years alone, more than 700 of our students have secured internships or employment opportunities. Notably, one of our B.Tech students recently clinched an international placement with a remarkable pay package of 70 LPA, a testament to the quality of education and training imparted at DAVIET. Our dedicated placement cell ensures seamless industry connect, offering opportunities for skill development and industry interactions, thereby providing a holistic learning experience. We take immense pride in our numerous accolades, including the IKG Punjab Technical University Youth Festival Trophy, which we have won an unprecedented 23 times. DAVIET also serves as an excellent hub for incubation and entrepreneurship, fostering a culture of innovation and enterprise among our students.

Further, our collaborations and MOUs with leading institutions worldwide, including PUM Netherlands and Innovation Mission Punjab speak volumes about our dedication towards encouraging entrepreneurial initiatives and start up culture. Committed to providing quality education and world-class exposure, DAVIET ensures that all our students receive the best opportunities for growth and development.

Our institute boasts state-of-the-art facilities and centers of excellence, including the Microsoft Certified Campus, Texas Instruments Innovation Lab, IBM Academy, Huawei Academy, and CISCO Networking Academy, among others. These collaborations equip our students with hands-on experience and industry-relevant skills, ensuring their readiness for the dynamic professional landscape.

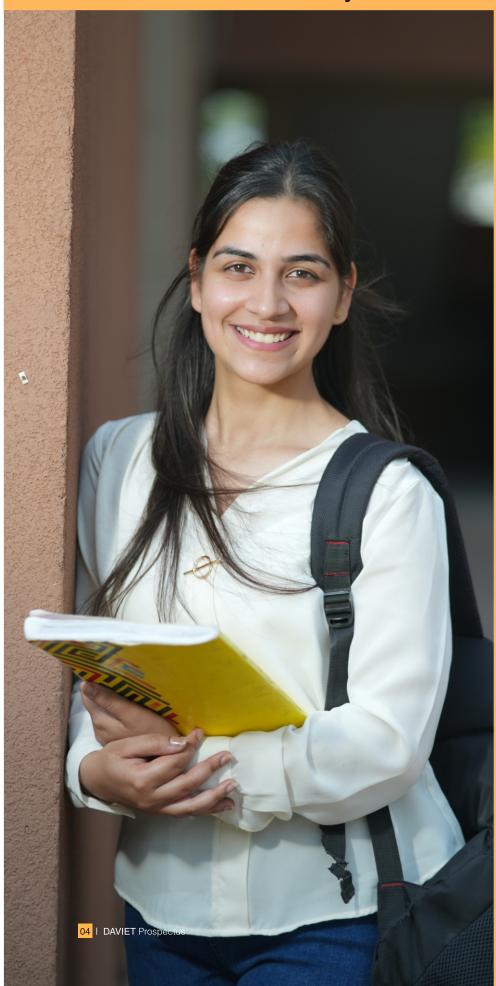
As you peruse through this prospectus, envision yourself as a valued member of our vibrant and inclusive DAVIET family. We are here to guide, support, and nurture your dreams, ensuring a transformative educational journey that prepares you to make a meaningful impact on the world.

I eagerly anticipate welcoming you to DAVIET, where we empower young minds to engineer a brighter tomorrow.

Dr. Sanjeev Naval Principal (O)



DAVIET: Gateway to Success and Innovation





Accredited by NAAC with "A+" Grade and Recognized by UGC under Section 2(f)

Ongoing Placement Statistics (Batch 2023-2024)













Proud Winners of IKG PTU Zonal/ Inter Zonal Youth Festival for 23 years



International collaborations with institutes of repute like PUM Netherlands to boost entrepreneurship in the institution.

GENESIS

VISION

To attain the coveted status of a growthoriented resource of National Importance known for quality professional education, research and innovation.

MISSION

To provide professional education with a difference confirming a confluence of inter-/multi-disciplinary knowledge domains; targeting excellence in collaboration with Industry; promoting creative competence and innovation aimed at producing skilled human resources and entrepreneurs; sustaining Indian ethics & morals values.

CORE VALUES

Competence Creativity Trust

Community

Integrity Innovation Excellence

ABOUT DAVIET

DAV Institute of Engineering and Technology was established in 2000 under the aegis of D.A.V. College Trust & Management Society, New Delhi. The DAV College Managing Committee is the Executive body of the said Trust. As a cultural & administrative monolith, it is the most significant stakeholder in academic Management in India. Over the years, this nodal organization has played a stellar role in rejuvenating Indian society intellectually, emotionally and spiritually. DAVCMC is the largest non-governmental educational organization in India and manages a chain of more than 970+ institutions in India and abroad. The Management is 135 years old & its educational budget is next to the central government of India and more than any state government. DAVCMC has established several Medical Colleges, Polytechnics, Industrial Training Centers and Arts & Science Colleges. All these



institutions are known for the highest level of dedication, sincerity, commitment and discipline. D.A.V. institutes have established a reputation for academic excellence and character building. Thousands of students graduate from these institutions and distinguish themselves annually on national and international platforms.

Consequently, as its alumni, the society has distinguished jurists, diplomats, doctors, engineers, scientists, educationists, literary figures, and sportspeople. DAVIET is the first Engineering Institute of D.A.V. College Trust and Management Society. The Institute is accredited by NAAC with A+ Grade & Recognized by U.G.C. under Section 2(f). At DAVIET, we provide our students with

the best professional education. We believe in creating professionals with the right skills and attitude by endowing them with high moral values, sound intellectual powers, and refined analytical and decisionmaking skills. The objective behind this Institute's establishment

was not merely to disseminate knowledge but to provide the necessary skills and mental attitudes to face the vagaries of life. Thus, there is a sustained endeavour to provide quality education with a difference.

LOCATION

DAVIET is located in the heart of Jalandhar City on a prime piece of land on the left side of Jalandhar-Amritsar Highway. It spreads over a magnificent landscape with a running canal on its back and historic Burlton Park at its front.

The Institute is well connected by Rail (Jalandhar City Junction: 5 Km), Road (Jalandhar ISBT: 6 km) and Air (Adampur Civil Airport: 25 km).



PROGRAMMES OFFERED

ENGINEERING

B.Tech.	Annual Intake (Direct)	Annual Intake (Lateral Entry)
➤ Civil Engineering	60	06
Computer Science & Engineering	180	12
Computer Science & Engineering (AI & ML)	180	06
➤ Electronics & Communication Engineering	60	06
➤ Electrical Engineering	60	06
> Mechanical Engineering	60	06
M.Tech.		
Civil (Structural Engineering)	18	
> Computer Science & Engineering (AI & ML)	18	
MANAGEMENT & COMMERCE	Annual Intake	
Master of Business Administration (MBA)	90	

60

60

COMPUTER APPLICATIONS	Annual Intake
Master of Computer Applications (MCA)	30
➤ Bachelor of Computer Applications (BCA)	120

HOSPITALITY MANAGEMENT

> Bachelor of Business Administration (BBA) ➤ Bachelor of Commerce with Honours (B.Com)

➤ Bachelor of Hotel Management & Catering Technology (BHMCT) 120 30

➤ Bachelor of Tourism & Travel Management (BTTM)





Major and Minor Degree in B. Tech.

To complement the academic program the institute offers minors and major programme to the undergraduate students enrolled in the B.Tech. The B.Tech. students can choose from a list of disciplines that offer a Minor option. Obtaining a Minor typically involves taking a set number of additional courses, determined by the department offering the minor, and once completed the Minor is indicated on transcript.

ELIGIBILITY CRITERIA

ELIGIBILITY CRITERIA

B. TECH. (Duration: 4 Years)

Passed JEE/10+2 examination with Physics/ Mathematics / Chemistry/ Computer Science/ Electronics/ Information Technology/ Biology/ Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business Studies/ Entrepreneurship as per Annexures-8 of AICTE Approval Process Handbook 2024-2027.

OR

Passed D.Voc. Stream in the same or allied sector.

(The Universities will offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to prepare Level playing field and desired learning outcomes of the programme.)

B. TECH. - Lateral Entry (Duration: 3 Years)

Passed Minimum THREE years / TWO years (Lateral Entry) Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) in ANY branch of Engineering and Technology.

OR

Passed B.Sc. Degree from a recognized University as defined by UGC, with at least 45% marks (40% marks in case of candidates belonging to reserved category) and passed 10+2 examination with Mathematics as a subject.



OR

Passed B.Voc/ 3-year D.Voc. Stream in the same or allied sector. (The Universities will offer suitable bridge courses such as Mathematics. Physics, Engineering drawing, etc., for

the students coming from diverse backgrounds to achieve desired learning outcomes of the programme). Refer Annexures-8 of AICTE Approval Process Handbook 2024-2027.

M. TECH. - Regular (Duration: 2 Years)

Passed Bachelor's Degree or equivalent in the relevant field.

Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination.

MBA (Duration: 2 Years)

Passed Bachelor Degree of minimum 3 years duration.

Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination.

MCA (Duration: 2 Years)

Passed any graduation degree (e.g.: B.E. / B.Tech./B.Sc / B.Com. / B.A./ B. Voc./ BCA etc.,) preferably with Mathematics at 10+2 level or at Graduation level

Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination.

(for students having no Mathematics background compulsory bridge course will be framed by the respective University/ Institution and additional bridge courses related to computer subjects as per the norms of the concerned University).

BBA / BCA (Duration: 3 Years)

All those candidates who have passed 10+2 or its equivalent examination in any stream conducted by a recognized Board / University / Council.

OR



Those candidates who have passed their Matriculation examination AND have also passed three year Diploma in any Trade from Punjab State Board of Technical Education & Industrial Training, Chandigarh or such Examination from any other recognized State Board of Technical Education, or Sant Longowal Institute of Engineering & Technology, Longowal.

B.COM.-Hons. (Duration: 3 Years)

Passed atleast 10+2 examination of Punjab School Education Board or any other examination recognized as equivalent thereto with atleast: 33% marks in the aggregate in case of commerce students who have passed 10+2 examination

OR

40% for the students who have opted for two of the following commerce subjects in 10+2 (a) Accountancy (b) Business Studies (c) Economics (d) Mathematics (e) Office Management and Secretarial Practice (f) Principle and Practice of Insurance (g) Tax Procedure and Practice.

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Passed 10+2 with 45% for other candidates.

BHMCT and BTTM (Duration: 4 Years)

All those candidates who have passed 10+2 or its equivalent examination in any stream conducted by a recognized Board / University / Council.

OR

Those candidates who have passed their Matriculation examination AND have also passed three year Diploma in any Trade from Punjab State Board of Technical Education & Industrial Training, Chandigarh or such Examination from any other recognized State Board of Technical Education, or Sant Longowal Institute of Engineering & Technology, Longowal.

ADMISSION PROCESS

MANAGEMENT QUOTA SEATS

- The Government of Punjab has approved 33-1/3 per cent (one-third) of total seats as management quota.
- DAVIET shall fill these seats purely based on inter-se-merit in the qualifying examination.
- The fee for "Management Quota" seats is as per IKG PTU norms. The admission under Management Quota is made after the completion of centralized counselling conducted by IKG Punjab Technical University, Kapurthala

ADMISSION UNDER NRI QUOTA

Admission of NRI/PIO/Foreign National candidates will be based on merit in





10+2 (Non-Medical) or equivalent examination. They shall not be required to take the Entrance Test.

- First preference shall be given to those NRI/PIO candidates with ancestral Punjab Resident Background.
- Second preference shall be given to those NRI/PIO candidates with an ancestral background relating to the other States of India.
- Third preference shall be given to those resident Indian Candidates sponsored by an NRI/PIO, and the sponsorship letter is attached with their application.
- Fourth preference shall be given to those resident Indian Candidates ready to pay fees in Indian Currency.

5% of total sanctioned seats out of Management Quota Seats shall be filled under this category. The seats remaining vacant will revert back to the Management Quota.

NOTE:

Aspiring candidates are advised to visit the official website of IKG Punjab Technical University at www.ptu.ac.in for detailed information regarding eligibility criteria, admission procedure, exemptions, reservations and other conditions/ provisions as laid down by Govt. of Punjab

I.K. Gujral Punjab Technical University, Kapurthala, Punjab (India).

Admission Process for B.Tech./M.Tech./MBA/MCA

A. Through IKG PTU Centralized Counseling

- Merit in Qualifying Examination
- Register for centralized counseling at IKG Punjab Technical University.
- Participate in centralized counseling at www.ptu.ac.in

B. Management Quota

- Apply directly to Institute under Management Quota
- Application can be made online or offline
- Management quota admission form available at www.davietjal.org and reception counter of the Institute.
- Appear for counseling for management seat at Institute

Kunwar Charaya Civil Engineering **Indian Engineering Services** (All India Rank-115) GATE All India Rank-34

WHY SHOULD YOU JOIN US?

→ DAV Legacy

We have been committed to the cause of quality assurance since 1886, having a pan India presence with 970+ Institutions.

→ Top Ranked Engineering College

- · Accredited by NAAC with A+ Grade and recognized by UGC under Section 2(f).
- · Accredited for Placements by WIPRO.
- The winner of Times of India Edupreneurs'
- Conferred with Educational Excellence Award at Indo-Global Education Summit.
- Recognized with Outstanding Institution (Engg. Colleges) Award by NITTTR Chandigarh.
- Bestowed with the Award of Best Chapter of ISTE Pb, Chandigarh, HP and J&K Section.
- Conferred with the status of 'Host Institution (HI)/Business - Incubator (BI)' by MSME, New Delhi with the seed grant of 15 lakhs to the innovative ideas and projects.
- Ranked as Top Engineering College at Higher Education and Human Resource Conclave Chandigarh.
- · Awarded Certificate of excellence for exemplary contribution in the field of Higher Education during 10th Higher Education & Human Resource Conclave Chandigarh.
- An in-house DST-sponsored AI Lab equipped with cutting-edge technology for advanced research and development, providing exclusive resources for academic and professional growth.
- The Indian Army, Navy, and Air Force regularly visit the campus fostering opportunities for collaboration and career advancement in defense-related fields.
- A large number of Sub-Divisional Officers and Executive Engineers serving the state of Punjab, a testament to the institution's legacy in producing impactful leaders.
- Advanced Galileo Meridian Library, home to 50,000 books, providing students with exceptional resources for academic exploration and research.

→ ICT Enabled Infrastructure

World-Class ICT enabled infrastructure & Wi-Fi Campus.

→ Outcome Based Education

Special emphasis on Outcome-based Education and Experiential Learning.

→ Exceptional In-House Training Program

The exceptional in-house training program, curated by industry luminaries from esteemed corporations such as IBM, Cisco, Wipro, Vodafone, among others, offers students a unique opportunity to glean insights and practical skills directly from the forefront of their respective fields. Through hands-on learning experiences and real-world case studies, participants not only deepen their understanding of industry best practices but also cultivate the expertise and confidence necessary to thrive in today's competitive job market.

→ Centre for Incubation & Entrepreneurship

The centre aims to nurture the innovative entrepreneurial ideas of the budding technocrats to set up their ventures and thus enable them to be the job creators rather than job seekers. Ministry of Micro, Small & Medium Enterprises, Govt. of India has recognised DAVIET, Jalandhar as Host Institution/Business Incubator under the scheme "Support for Entrepreneurial & Managerial Development of SME's through Incubators" of the region under which the young Students/Start-Ups can apply for the grant of upto 15 Lacs to the MSME through DAVIET.

→ Excellent Alumni Outreach

The distinguished alumni of DAVIET have secured prestigious positions in leading multinational corporations and have made significant contributions in government administrative roles, exemplifying the institute's unwavering commitment to academic excellence, professional success, and societal service, thereby reflecting the comprehensive education and holistic development nurtured within the institution.



→ Research Initiatives

DAVIET has the state of art laboratories and ultra-modern equipment not only for upgrading the students' skills but also for carrying out cutting edge research.

The faculty is involved in Proactive Research in the fields of Nano-Technology, LightWave Communication, Electro-magnetics, Antenna Design, Robotics, Image Processing, Power Quality Robust Control Design, Soil Reinforcement, Self Compacting Concrete, Material Science, Organic Chemistry, Heterocyclic Chemistry, Green Chemistry, Nano-Chemistry, Manufacturing Process, Wireless Sensor Networks, Computational Intelligence, Computer Networks, Machine Learning, Risk Management, Mathematical Modeling & Linguistics. There are 10 patents to the credit of DAVIET faculty.



Harsimran Singh Civil Engineering IFS-2023 All India Rank-16

→ Well-Qualified, Synergized & **Research-Oriented Faculty**

Competent faculty to enlighten the budding intelligentsia, ensuring a confluence of knowledge, skills and dynamic behavioural quotient in our stakeholders. Most faculty members are Ph.D holders signifying the potential for research.

→ Banking Facility

DAVIET houses a fully AC branch of Punjab National Bank with ATM and locker facility.

→ DAVIET - A Cynosure for Recruiters

Excellent Placement track record with more than 400 students passing out this year already placed in top companies with the highest pay package of 70 LPA.

→ Consultancy

Recently DAVIET has completed a consultancy project worth Rs. 35 lakh for Non-Destructive Testing of Over Head Service Reservoirs (OHSRs) for Smart City Amritsar. We also provide consultancy on traffic surveys for infrastructure development using GIS/GPS to Smart City Lucknow(UP).

→ Medical Care

Well qualified doctor and a well-equipped medical centre are available in the institute. In addition, DAVIET facilitates group medical insurance for all the students and has tie-ups with reputed multi-speciality hospitals for medical care of the students.

→ Earn while you Learn (Co-op)

Earn while you learn programme provides opportunities to the students to earn through part-time jobs or stipend-based industrial training during their studies at the campus. Twenty students from each stream having more than 60% marks in the qualifying exam and excellent communication skills will get an opportunity to co-op for an internship up to ₹87000 p.m. which shall be arranged by the institute.

WHY SHOULD YOU JOIN US?



OUR SALIENT FEATURES

→ DAVIET's USPs

- DAV Educating India since 1886
- Education coupled with Employment Skills Training
- Capstone Projects by students
- ICT enabled Infrastructure with Wi-Fi Campus
- Effective Industry Engagement
- Centre for Incubation & Entrepreneurship
- Bi-Annual Industry Week in each Department
- Activity-based learning
- Rejuvenating the learning paradigm by introducing Virtual Labs in collaboration with IIT, Delhi

→ MOUs WITH ACADEMIC INSTITUTIONS

- The University of Ontario, Institute of Technology, Canada
- Trent University, Canada
- **PUM Netherlands**
- Innovation Mission Punjab

SCHOLARSHIP

- The Institute facilitates the students to apply for various scholarships viz. PMSSS (J & K), Post Matric Scholarship (Punjab), Bihar Student Credit Card Scheme, Bihar State Scholarship Scheme, Pragati Scholarship Scheme for Girls.
- . The Institute also grants financial assistance to financial weak students on the basis of academic performance/ financial health of the family

→ CENTRE OF EXCELLENCE/ **INDUSTRIAL TIE-ups**

- Microsoft Certified Campus
- Texas Instruments Innovation Lab
- CISCO Networking Academy
- Reliance Jio Infocomm Ltd., Mumbai
- EdGate Technologies Pvt. Ltd., Bangalore
- Sedulity Solutions & Technology, Delhi
- Robotics Research Centre
- Industrial Automation Centre
- Huawei ICT Academy
- Oracle Academy
- LightWave Communication Lab



MELODIES UNDER THE STARS: SATINDER SARTAJ NIGHT







Satinder Sartaj being welcomed at the Star Night by Dr. Sanjeev Naval, Principal, DAVIET





From the realm of ethereal dreams, Satinder Sartaj and Neeru Bajwa mesmerize with their dynamic on-screen allure.







The audience having a gala time during Satinder Sartaj Night

CAMPUS PULSE



Chief Minister Sh. Bhagwant Mann being welcomed to the Institute by Dr. Sanjeev Naval, Principal DAVIET.



Sh. Mohan Bhagwat, Chief RSS being Extended a Floral Welcome by Dr. Sanjeev Naval, Principal DAVIET



International Experts from USA, Belgium, France, Poland, Turkey, South Korea Convene to Explore Emerging Technologies for Sustainable Development



Expert Dr. Erno De Korte, PUM Netherlands Leads Trainer Development for Unicorn Creation at DAVIET Campus



Michiel Westermann of PUM Netherlands Leads Initiative for Sustainable Business Incubation Center



Dr. Arvind Agnihotri, Head CE, NIT Jalandhar Explores Mathematics' Significance in Everyday Life during National Mathematics Day Celebrations



Sh. Inderbir Singh, IPS
DIG/PAP Admn., Jalandhar being extended
green welcome by Dr. Sanjeev Naval



Charisma 2k24-Annual Freshers' Party Winners Bask in the Spotlight at Felicitation



Pran Pratishtha celebrations in the campus

DAVIET EDGE

ACADEMIC EXCELLENCE

- System of continuous evaluation through tests, tutorials, seminars, quizzes and viva-voce.
- Centralized system for mid-semester tests with question papers set in standard format per IKG Punjab Technical University norms.
- Display of attendance at the end of each month and the marks obtained in each term tests on notice boards to ensure complete transparency in the academic system. In addition, the students can also check their attendance on the College ERP.
- · Dispatch of attendance-cumperformance report to the parents for their information and to seek their support for improving the performance, especially in the cases of academically poor students. (In case the parents do not receive this report due to any reason, it will be their responsibility to collect the same from the institute).
- · Periodic counselling of academically weak students to identify their weaknesses and suggest remedial measures for their improvement.
- · Conduct an academic audit each semester to find out the strengths & shortcomings of each department. All

- efforts are then made to eliminate the traced shortcomings
- Periodic monitoring and development of the course contents by maintaining separate course files and lab manuals for each course taught by teachers.
- Student feedback analysis during every semester to identify the strengths and weaknesses of the faculty for further improvement.

THE DAVIET ADVANTAGE

- DAVIETians' International Recognition Faculty & Students of the Institute present their research findings in various International Conferences in India and abroad.
- Academic Triumph Graduates from various departments clear GATE Exam. - the ultimate test of an Engineering Graduate for higher education, regularly.
- · Academic Excellence Fully Computerized & Digitalized Library The central library is embellished with the Galileo Meridian Digital repository of knowledge, having access to IEEE, Science Direct & EBSCO online journals. In addition, an escalator facility has been provided in the library for the convenience of scholars.

- Skill Oriented, Moral & Value Based Education
 - Tailor-made modules on personality development, soft skills, corporate ethics and core technical studies in consonance with value-based education.
- · Scholarships & Stipends Excellent scholarships & stipends for outstanding and meritorious students.
- · Unmatched Track Record of Cocurricular Activities
 - The institute has garnered myriad International & National Achievements in Cultural Activities, the prime being the Overall trophy at SAUFEST, Nepal; the Winner of PTU Zonal/Inter-Zonal Youth Festival, a maximum number of times. Moreover, DAVIETians have Commendable Achievements in sports at National & International levels; DAVIETians got distinctions in various All India Tech Fests organized by IITs, IIMs & NITs etc.
- · State-of-the-Art Infrastructure DAVIET boasts world-class infrastructure in an area sprawling 11.6 acres in the heart of the city; well-equipped, ultramodern labs & E-classrooms.





COMPUTER SCIENCE & ENGINEERING

INTRODUCTION: The Department aims at imparting quality education to the students in various technical areas of Computer Science Engineering. The department. is facilitated with the best state-of-the-art infrastructure as well as dedicated faculty to act as mentors providing directions to individuals for meeting the challenges in this field. The department is also equipped with various laboratories furnished with hitech computing facilities to support teaching and to provide students with comprehensive and interdisciplinary training. There are excellent research facilities in the department for core and emerging areas to provide exposure to students through comprehensive educational programs and collaboration with industry. The academic excellence of the department is reflected by the student's exemplary performance in university examinations. Every year our students consistently grab the best placements and establish a productive career in the corporate sector. In addition, good numbers of students also clear various competitive exams like GATE, CAT, GRE and GMAT to pursue higher studies in top-ranked colleges and universities.

COURSE DESCRIPTION: The course curriculum is planned to train the students primarily for theoretical and conceptual inputs of knowledge with an emphasis on hardware architectural design and the development of software application programs. The department strongly promotes the quest for innovative excellence in the field of computers for global competitiveness. The Institute-Industry interface programs enable the students to interact constantly with the industries. The department lays prominence on emerging and futuristic technologies like Big Data, Cloud Computing, Data Mining, Software Engineering, Algorithm Analysis and Design, Operating Systems, Computer Graphics, Database Management Systems, and Networking Technologies.

CAREER PATHS

- Software Applications Developers
- Software Project Managers



- System Analysts
- **Network Managers**
- **Database Administrators**
- Web Designers and Developers
- Entrepreneurs

LAB FACILITIES

- Central Computing Lab
- Operating System Lab
- **RDBMS** Lab
- Computer Programming Lab
- Networking Lab

STUDENT BODIES

- CSI Student Branch
- Google Developer Student Club (GDSC) powered by Google
- BYTECRAFT Coding Club

VALUE ADDITION PROGRAMS

- Google Cloud Readiness Program
- Huawei India Centre of Excellence
- Microsoft Certified Campus

WORKSHOPS/EXPERT TALKS

- Expert Talk on "Network and Business Data Analytics" by Dr. Rajesh Sharma, Associate Professor & Senior Research Fellow from the University of Tartu, Estonia (Europe).
- · Hands-on coding boot camp organized on the "Rising domain of the industry-Artificial Intelligence" by Ms. Pooja Agarwal Senior Al Architect of Open
- · Workshop conducted on "Big Data Analytics" by Mrs. Anita Budhiraja, Joint Director, Systems, NIELIT, Chd.

- · Workshop conducted on "Cyber Security" by Mr. L.S Chhabra, Director, Cyber Defence Intelligence Consulting, Mohali.
- Two days workshop conducted on "Artificial Intelligence and Machine Learning" Mr. Abhishek Saxena, Software Engineer, KVCH-IBM Pvt. Ltd.
- Seminar conducted on "ERP -Present and Future" by Mr. Pabitra Kumar Nayak, Business Manager, SAP India Pvt Ltd
- Workshop conducted on "Block Chain Technology basics" by Google Developer Group.

- Mr. Shrey Chander Soney, Associate Software Development Engineer, MAXAR Technologies, USA
- Ms. Nimran Atwal, Application Support Engineer, Syndigo USA
- Mr. Rohit Mahajan, Senior Software Engineer, SAP Labs
- Mr. Amit Miglani, Senior Software Engineer, Infosys
- Ms. Anjan Kaur, Software Engineer, Adobe Pvt. Ltd, India
- Mr. Nitish Suri, Software Engineer, Accenture
- Mr. Pawan Kumar, Software Engineer, ST Microelectronics
- Ms. Ishitaa Beri, Software Engineer, Samsung R&D Institute India Bangalore
- Ms. Vanshika, Microsoft Azure & Al Technical Associate Engineer, Microsoft

COMPUTER SCIENCE & ENGINEERING (AI & ML)

INTRODUCTION: Department of CSE (AI & ML) was established in the year 2022 and since then it has strived to provide skill-based education in the field of Emerging Technologies and its allied areas i.e. Artificial Intelligence and Machine Learning. The department of CSE (AI & ML) offers a four-year B.Tech program and a two-year M.Tech program. The department is equipped with state-of-the-art infrastructure which includes lecture rooms, a group discussion room, a faculty room, a departmental library, and well-equipped modern labs. We have organized workshops and many expert talks from time to time for the overall growth of the students and faculty. Students can access learning materials and also interact with faculty members through the online learning and softwares.

SCOPE: The scope of B.Tech and M.Tech in Computer Science and Engineering with a specialization in Artificial Intelligence and Machine Learning (AI & ML) is vast and expanding. Here are some key aspects of the scope in this field:

Career Opportunities: Graduates with B.Tech CSE- AI & ML and Post graduates with M.Tech- CSE- AI & ML have abundant career opportunities in various sectors such as Emerging Technology, Finance, Healthcare, Automotive, Manufacturing and more. They
can work as AI engineers,
Machine Learning
Engineers, Data Scientists,
AI Researchers, NLP
(Natural Language
Processing) Specialists,
Computer Vision
Engineers, and so forth.

Research Opportunities: With

advancements in AI & ML happening rapidly, there are ample opportunities for research in areas like Deep Learning, Reinforcement Learning, Neural Networks, Computer Vision, Natural Language Processing, and Robotics.

Entrepreneurship: Graduates can venture into entrepreneurship by starting their AI & ML-based startups. Many successful startups have emerged in recent years, focusing on various Aldriven solutions ranging from healthcare diagnostics to personalized recommendation systems.

Continuous Learning: The field of AI & ML is evolving rapidly, and professionals need to continuously update their skills and knowledge to stay relevant. This might involve pursuing higher education, attending workshops, participating in hackathons, or enrolling in online

Global Opportunities: AI & ML

professionals are in demand worldwide. Many tech hubs across the globe, including Silicon Valley, Toronto, London, Beijing, and Bangalore, offer exciting opportunities for individuals with expertise in AI &



ML. Companies are increasingly integrating AI and ML solutions into their products and services to enhance efficiency, productivity, and decision-making processes.

Ethical and Social Impact: AI & ML technologies also raise ethical and social considerations regarding privacy, bias, transparency, and accountability. Professionals in this field need to be aware of these issues and contribute to the responsible development and deployment of AI systems.

LAB FACILITIES

- Project Lab
- Programming Language Lab
- Computer Network Lab
- Linux Lab
- RDBMS Lab
- Central Computing Lab

VALUE ADDITION PROGRAMS

- Cisco Network Academy Program
- Huawei India Centre of Excellence
- Oracle Academy Program

INDUSTRY INTERACTION

- Workshop to build and deploy an Al Text Summarizer Application.
- Workshop on Full Stack Technologies, APIs by Postman.
- Workshop on Project Based Learning and Career Upskilling by Damini Mehra, Student Leader at Postman and Google student coordinator of DAVIET.
- Workshop to use LinkedIn & Resume Session for placements
- Expert Talk/Webinar on Data Science by Mr. Amit Kumar Singh, Ducat New Delhi.



CIVIL ENGINEERING

INTRODUCTION: Civil Engineering is the oldest branch of Engineering. The department aims at providing quality education at B.Tech & M.Tech level with a blend of theoretical knowledge supported by practical experiences. The industry institute interaction during the industry weeks organised by the department every semester fills the voids between the skill sets required from Civil Engineers in the industries and the skills they possess. The huge participation and top positions grabbed by the students in the National and State level examinations viz. GATE, IES & PPSC etc. is the hall-mark of the teaching learning process in the department. The presence of our students in IITs /NITs and other foreign universities for the pursuit of higher knowledge makes us privileged. The consultancy projects handled by the faculty and students highlight the expertise available with the faculty of the department. Dr. Sanjeev Naval is contributing effectively as Member City Level Technical Committee, Smart City Jalandhar since 2019. We feel proud in making our students-Pride of India.

COURSE DESCRIPTION: The curriculum is designed to train the students towards the Planning, Design & Execution concepts of Infrastructure development. The focus on Earthquake resistant design of structures, Geotechnical & Foundation Engineering, Structural Engineering, Water

and waste Water Engineering, Disaster

Management, GIS/GPS concepts equips the students not only towards making resilient infrastructures but also resolve the housing shortage in the country. Special emphasis on Building Materials for affordable housing aligns the thoughts of students towards the dream of affordable housing- A Reality.

CAREER PATHS: After the completion of the B.Tech/M.Tech in Civil Engg. programme, the students are placed with:

- MNCs like Shapoorji & Pallonji, Larsen & Toubro, TCS, Wipro Tech. etc.
- Central and State departments including Indian Railways, CPWD/PWD, NHPC, SAIL, Water Supply and Sanitation, Irrigation, Municipal Corporations / Municipal Committees/ Improvement Trusts.
- Entrepreneurs- dealing with production of low cost building components, Solid waste management, Smart Transportation, Water and Waste Water Technologies, Rain Water harvesting, GIS/GPS applications in improving the land use in the country.

LAB FACILITIES:

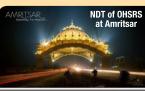
- Building Material Testing Lab
- Geotechnical Engineering Lab
- Geomatics Lab
- Transportation Lab
- Environmental Lab
- Structural Analysis Lab
 - CADD Lab
 - Fluid Mechanics Lab
 - Project Lab

STUDENT BODIES:

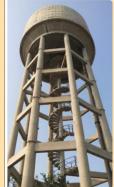
American Society for Civil Engineers (ASCE) Student Chapter

VALUE ADDITION PROGRAMS:

• Computer Aided Design & Drafting(CADD), Structural Analysis & Design(STADD) pro-V 8i, 3D Max, Revit, Primavira etc.







RESOURCE GENERATION ACTIVITIES:

- Consultancy in the area of Structural Design, Destructive and Non Destructive Testing of Structures, Water and Waste water, Air quality, Soil or land reclamation /stabilization.
- The department has just completed the Non Destructive Testing of Over Head Service Reservoirs(OHSRs for Smart City Amritsar. Another consultancy project for Smart Cities, Allahabad and Lucknow for carrying out traffic Surveys using GIS/GPS applications is being worked upon.

- Pallavi Malik (Gold Medallist), Manager, Shapoorji Pallonji Ltd India
- Kunwar Chraya, Sub Divisional Officer, B&R Deptt., Pb. (GATE 2014 AIR 36, IES 2016 AIR 115)
- Virat Ahuja, Manager (Designs), L&T Ltd, Delhi
- Kuldeep Rehat, Manager (Execution), Shapoorji Pallonji Ltd, India
- Gurvinder Singh, Executive Engineer (XEN), Punjab Mandi, Board, Hsp



Mr. Nikhil Thakur Flying Officer Indian Air Force



Mr. Sukhpreet Singh Lieutenant Indian Army

ELECTRONICS & COMMUNICATION ENGINEERING

INTRODUCTION: The Department of Electronics and Communication Engg. has been consistently working towards the goal of producing highly skilled and scientifically oriented manpower through flexible, adaptive, and progressive training programmes and a cohesive interaction among research organisations, academicians and industries. Close interaction with industry has led to the evolution of a teaching system that produces diligent and erudite engineers. Our Alumni have excelled both in higher education and industry. The department has always maintained an excellent placement record in Public & Private sectors, excelling not only in India but also in Silicon Valley and other reputed hubs of Electronics and software technology over the globe. The students have been offered at the pay package ranging from Rs. 8 lakh /annum to Rs. 22 lakh/annum.

COURSE DESCRIPTION: The field of ECE is the utilization of science & mathematics applied to practical problems. The content of the course is well structured and aimed at making the students engage in live application tools, design, development and testing of the electronic equipment used in various communication systems. Our priority areas of specialization are: Communication Engineering, Digital Electronics, Microwave Engineering, Artificial Intelligence and Machine Learning, Internet of Things, VLSI Design, Wireless Communication Networks, Optical Communication, Antenna and Wave Propagation, Signal and Image Processing. Looking forward to Global Scenario, IKG PTU offers flexibility to pursue your individual interest through dual degree program. In addition to ECE as major, students can also avail to earn the minor degree in their preferable domain of Computer Science & Engineering or any other allied fields.

CAREER PATHS

The choice of graduate engineers in ECE has the highest priority in multinational corporations (MNC). The MNC provides

tremendous opportunities in sectors such as consumer electronics, health care, computer applications, communication services, entertainment, and multimedia. Apart from this, government sectors such as ISRO, DRDO, railways, and other administrative jobs provide opportunities for graduate engineers in ECE. The curriculum is divided into five modules: ICT, software, communication, electronics hardware, and signal processing. The students have the flexibility to choose the above modules to shape their career in their preferred field of interest.

LAB FACILITIES

- · Artificial Intelligence Lab
- Texas Innovation Lab
- Analog Devices and Circuit Lab
- Digital Electronics Lab
- Microprocessor Lab
- VLSI and Embedded System Lab
- Communications Lab
- Wireless and Optical Network Lab
- Microwave and Radar Lab
- Digital Signal Processing Lab
- PCB Design Lab
- Control System Lab
- Electronic Measurements and Instrumentation Lab

RESEARCH FACILITIES

- OPTSIM 5.1: Fiber Optics
 Communication Simulation Tool
- ANSYS HFSS: Antenna Design Simulation Tool
- QUALNET: Wireless Communication Simulation Tool
- COMMSIM Software
- MATLAB

TECHNICAL COLLABORATION

The Department of ECE is actively associated with Texas Instruments and Ed Gate technologies to meet the high end tools in core electronics. In addition to that, we are providing students training based on advances in core areas of Electronics & Communication.

Recently, the department has

set up a laboratory for Artificial Intelligence and Machine Learning under MODROB scheme sponsored by AICTE, N. Delhi.

STUDENT BODIES:

- SINE (Society of Innovative Electrocracker)
- Hobby Expo Club, Club of Integrated Boards
- Google Developer Student Club (GDSC) powered by GOOGLE

VALUE ADDITION PROGRAMS: We have tied up with various organizations like:

- IETE (The Institution of Electronics and Telecom Engineers) Student Forum
- MoU with EdGate Technologies and Texas Instruments
- Centre of Excellence with SOFCON Technologies, Noida
- Ericsson India Pvt. Ltd.
- I2IT Pune (for VLSI and Robotics)
- RSOFT, USA

- Ms. Juhi Jalota, IFS
- Ms. Jaslinder Kaur, First Fighter Pilot, IAF
- Mr. Puneet Pathak, Senior Software Engineer, Apple Inc.(California)
- Mr. Jatinder Kumar, IES Officer
- · Ms. Navneet Kaur Bal, PCS Officer
- Mr. Anuj Talwar, Technology Lead, Infosys
- Ms. Uplabdhi, Senior Software Engineer, Larsen & Toubro Infotech
- Mr. Ashish Gupta, Sr Engineer, Oracle
- Mr. Puneet Dalia, Solution Specialist, Nokia Networks
- Mr. Himanshu, Lt., Indian Army Corps of Signals.



ELECTRICAL ENGINEERING

INTRODUCTION: B.Tech. in Electrical Enga, is a comprehensive undergraduate program that prepares students for a rewarding career in the field of electrical engineering. This course combines theoretical knowledge with practical skills to equip students with a strong foundation in electrical power systems, electrical machines, analog electronics, power system operation & control, smart grids, solar, wind, and other renewable energy systems, control & instrumentation. With the increasing digitalization and automation of electrical systems, electrical engineers often work closely with computer and IT professionals to integrate software and hardware components, manage data networks, artificial intelligence, etc. The convergence of electrical engineering and CSE has paved the way for advancements in areas such as smart grids, the Internet of Things (IoT), and embedded systems opening up new avenues for Electrical engineers.

COURSE DESCRIPTION: Department of Electrical Engg. started its education program of B.Tech. in DAVIET with an intake of 60 students in 2002. We aim to provide quality education to students with an emphasis on strong foundations and a thorough understanding of the basic principles that underlie modern electrical technology. The course provides a wider horizon to pursue their careers in Electrical Utility Companies, Government/Public Sector Undertaking, and in top MNCs, software/IT companies, and allied sectors, thus providing sustainability to their professional careers.

CAREER PATHS: B.Tech. degree in Electrical Engineering offers a diverse range of career opportunities across various sectors. Graduates can pursue employment in the Defence Services, Civil Services, Government Sector and Public Sector undertakings such as Railways, PSTCL, PSPCL, PGCIL, NTPC, NHPC etc. Moreover, prominent IT corporates like

Wipro, Infosys, Oracle, TCS, Accenture, and HCL, among others, offer exciting avenues for growth and professional development. These companies present a dynamic environment where electrical engineering skills can be applied to cutting-edge technologies and innovative projects, ensuring a rewarding and fulfilling career for graduates.

LAB FACILITIES

The electrical engineering department provides state-of-the-art lab facilities to enhance the learning experience of B. Tech. Electrical Engineering students.

- Electrical Machine I Lab
- Electrical Measurements Lab
- Instrumentation and Measuring Devices Lab
- Control Systems Lab
- Electronics Circuit Lab
- Electrical Machine II Lab
- Power Electronics and Drives Lab
- Power System Lab
- Microcontroller and PLC Lab
- Power System Analysis / Advance Computing Lab
- · Project Lab

RESEARCH FACILITIES:

The Department of Electrical Engineering is actively engaged in dynamic research activities, with a particular focus on emerging areas such as power quality, wind generation, induction generators, robust control design, solar energy, and optimization. To facilitate research and simulation work, the department offers access to various software tools including MATLAB/ SIMULINK, ETAP, Power Word Simulator, and PSCAD. These softwares assist researchers in simulating and analysing electrical systems, enabling them to explore innovative solutions and advancements in their respective fields.



STUDENT BODIES:

- Tech Electra
- C3E (Consortium of Electrical & Electronics Engineering)

VALUE ADDITION PROGRAMS:

The Department of Electrical Engineering offers various value addition programs to enhance the skills and knowledge of B. Tech Electrical Engineering students to complement the academic curriculum and provide students with a well-rounded education. Some of the key value-addition programs offered include:

- Technical Workshops and Seminars
- Industrial Visits
- Internship Programs
- Skill Development Programs
- Certification Courses
- Industry week
- Research and Innovation Programs

- Ms. Kanika, Software Development Engineer at Meta, UK
- Mr. Abhishek Project Engr, Wipro Ltd.
- Mr. Kanwar Abhijay Singh, PCS Officer. Allied Services
- Mr. Ashish Vashisht, Aircraft Maintenance Engr, Indian Air Force.
- Mr. Amandeep Sall, Engineer, Power Grid Corporation of India (PGCIL).
- Mr. Jatinder Arjun Batra, SDE-PWD B&R.
- Mr. Iqbal Singh Bhullar, Engineer, Shapoorji Pallonji Group.
- Mr. Chirag Rohilla, Jaro Education.
- Mr. Ishant Mehndiratta, Systems Engineer, Deloitte US.
- Ms. Daljeet Kaur, DRE Assistant, Safety PRTS, General Motors (USA)

MECHANICAL ENGINEERING

INTRODUCTION: The Department of Mechanical Engineering is at the forefront of academic pursuits, offering a rigorous undergraduate program designed to impart advanced technical knowledge in critical areas such as Design, Manufacturing Processes, Thermal Engineering, Automotive Systems, Robotics, and Automation. Adhering to the principle of "Excellence through Continuous Improvement," the department has undergone significant advancement since its inception, reflected in an impressive portfolio of patents, high-impact research publications, and distinguished awards earned by both students and faculty members. The curriculum is meticulously structured to ensure that our graduates acquire a comprehensive skill set, including proficiency in computer-aided design (CAD), finite element analysis (FEA), and thermal-fluid systems, preparing them for the complexities of modern engineering challenges.

COURSE DESCRIPTION: Mechanical engineers are the backbone of engineering profession and are omnipresent across the industries for designing robotic systems, products, computer control systems for machinery, commercial jets, instruments for medicine and high-performance sporting equipment, and supervise manufacturing operations. Accordingly, the four-year course comprises of Mechanics, Thermodynamics, Kinematics, Material Sciences, Automation & Manufacturing Technologies.

CAREER PATHS

Mechanical engineers provide efficient solutions to the development of processes and products, ranging from small component designs to extremely large plant, machinery or vehicles. Thus, there are employment opportunities in a wide range of sectors, including Aerospace Industry, Automobile Industry, Control and instrumentation, Plant Maintenance, Mining, and Metallurgy etc. to name a few.

LAB FACILITIES:

Mechanical Engg. Laboratories are valuable resources for industrial and academic partnership which provide students access to state-ofthe-art facilities in the field of:-

- Applied Thermodynamics
- Automobile Engineering
- Strength of Materials
- Theory of Machines
- · Industrial Automation and **Robotics**
- Heat Transfer
- Fluid Mechanics and Machinery
- Refrigeration & Air-Conditioning
- CAD/CAM & Computer Graphics
- Engineering Materials and Metallurgy
- Mechanical Measurements & Metrology
- Mechanical Vibrations
- **CNC Turning Center**
- Central Workshop Comprising Machining, Welding, Casting, Carpentry, Sheet Metal Working etc.

RESEARCH FACILITIES

CNC Machining Setup, Injection Moulding Setup, Wear Test Apparatus, Digital Microscope, Micro-Hardness Evaluation, Profile Projector, Image Analyzer, PLC Unit and advance software such as Solid works and MSC University Structure Bundle and Fatigue Package comprising Nastran, Patran, MARC, Apex etc.

STUDENT BODIES:

BIS Standard Club, American Society of Heating, Refrigeration and Air-conditioning Engineers (ASHRAE) Student Branch, Student Chapter of Institute of Engineers (India), Robotics Club and Tech-Lit Club.

VALUE ADDITION PROGRAMS

- Department offers one-month in-house CNC Programming course with live projects from the Industry.
- Employability Skill Training classes and choice-based Value Addition Courses for students of all the semesters to equip them with adequate technical and software skills to meet industry



expectations and enhance employability prospects.

- In a bid to augment academia-industry interaction, coupled with the purpose of infusing need-based sense of learning from the industry point of view, department organises "Industry Week" every semester.
- Extensive involvement of Alumni of the Department in training, mentoring and hand-holding of the current students for their better all-round development. To facilitate the bonding among the alma mater and the current students, department has started a series "KYA.... Know Your Alumni" in 2020.

- Mr. Harman Singh Bal, Power Train Engineer, Fiat Chrysler, Michigan, USA
- Mr. Sagar Trehan, Product Validation Engineer, Cummins Inc, Seymour, USA
- Mr. Ankit Rai, Manager (Supply Chain), Maruti Suzuki India Ltd., Gurugram
- Major Mudit Sood, Indian Army, ADC to Governor, Uttarakhand
- Mr. Roshan Lal Yadav, Deputy Manager, National Thermal Power Corporation (NTPC Limited)
- Mr. Sumeet Bhalla, Manager Quality Assurance, Maruti Suzuki India Ltd, Gurugram
- Mr. Sumit Sood, Sr. Energy Analyst, SensorSuite Inc., Mississauga, Ontario
- Mr. Uday Pal Singh, Captain, Vistara Airlines
- Mr. Sanchit Singh, Senior Product Manager, Amazon, USA

BUSINESS MANAGEMENT & COMMERCE

INTRODUCTION

Founded in 2007, the Department of Business Management is the centre for quality education in the field of management. The department offers a diverse range of programs designed to equip students with essential business skills. The department provides two undergraduate programs: Bachelor of Commerce (Hons) and Bachelor of Business Administration (BBA) Additionally, it offers a postgraduate program, the Master of Business Administration (MBA). These programs are tailored to foster analytical thinking, leadership, and practical business knowledge. With a focus on both theoretical and practical learning, the department aims to prepare students for successful careers in the dynamic field of business. The department is facilitated with the best state-of-the-art infrastructure and dedicated faculty to act as mentors providing directions for individual development. In order to execute this vision, the department offers specialization in the fields of Finance, Marketing, Human Resource Management and Management Information System.

VISION OF THE DEPARTMENT

The department aspires to become a competitive resource centre of management education, research and innovation supported by ethical values.

MISSION OF THE DEPARTMENT

- To impart application-oriented management education to generate socially and ethically responsible entrepreneurs and professionals.
- To interact with the industry, educational and research organizations and alumni in the fields of curriculum development, training and research to meet the demand of quality skilled human resource at national & international level.



To develop soft skills of the students in order to increase their employability.

LEARNING ENVIRONMENT

The Institute has developed state-of-the-art infrastructure and excellent facilities in the campus that not only ensure that the students are equipped with all essential ingredients of professional education but also enjoy their stay in the campus. To provide exposure to the students, exercises on role play, mock interviews, activity based teaching-learning and situation analysis are conducted. Practical and project-based learning are basic elements of teaching-learning process.

CAREER PATHS

The Department has a very clear vision of becoming academically and professionally responsive to the expectations of Indian, Global and Local industry. Some of the organizations where alumni of the department are working include Amazon, Axis Bank, HDFC Bank, Federal Bank, IDFC Bank, Exide Industries, Bajaj Finance, Bharti Airtel Ltd., Capital Via, Ceasefire Industries Ltd., Edelweiss Securities Ltd., Jaro Education, AR Tech Infosystems Pvt. Ltd., Ralson India Ltd., HDB Financial Services Ltd., Wipro, Nerolac Paints, Intellipaat, Sonalika and many more.

STUDENT BODY: The DAVIET

Manageates club is a vital part of the Department that supports the organization's mission of providing professional education with a difference that targets excellence in the industry and promotes creative competence and innovation aimed at producing skilled human resource and entrepreneurs.

- Mr. Aditya Sharma, Area Service Manager, Exide Industries Ltd.
- · Ms. Aditi Sachdeva, Banking Advisor, Royal Bank of Canada.
- Mr. Lavinder Singh, Cluster Head & Deputy Vice President, InusInd Bank.
- Ms. Gurleen Makkar, Branch Operations Manager, HDFC Bank Ltd.
- Ms. Ramandeep, Bank of New Zealand, NZ.
- Mr. Paras Walia, Senior Manager International Sales Cosmo Films Limited, New Delhi.
- · Mr. Vaibhav Nidhan Singh Chauhan, Senior Lead Communication, Bajaj Finance Ltd.
- Mr. Badal Sen, Territory Manager, Cipla Ltd.
- · Mr. Gurpreet Singh Virk, Welfare Officer, Punjab Agriculture University.
- Mr. Vivek Bakshi, Manager, RAKBANK,

DEPARTMENT OF **COMPUTER APPLICATIONS**

INTRODUCTION: The Department of Computer Applications is dedicated to providing students with an in-depth understanding of the IT industry, equipping them to meet the demand for highly skilled professionals capable of leading in the dynamic technological landscape. Our objectives include:

- To educate and train students at both undergraduate and postgraduate levels, producing individuals with outstanding proficiency in software development, systems analysis, and data management.
- To offer students extensive exposure to contemporary methodologies, frameworks, and emerging technologies within the computing field, including cloud computing, and cybersecurity.
- To impart advanced expertise through value-added courses, such as machine learning and big data analytics, facilitated by robust Industry-Institute collaborations, ensuring students remain at the cutting edge of technological innovation.

COURSE DESCRIPTION: Department of Computer Applications offers three year undergraduate course- BCA and two year post graduate course- MCA that provides the students with an ability to serve the competitive world in the fields like IT, Project Management, Management

Information System, Enterprise Resource Planning (ERM), System & Application Programming, System Analysis & Design, Digital Marketing, Artificial Intelligence, Machine Learning, Natural Language Processing, Big Data Analysis etc. and various government jobs.

HIGHLIGHTS OF COURSES

Earn while you Learn

The BCA program offers a unique "Earn While You Learn" opportunity, where 20 meritorious students with a minimum of 60% marks in the qualifying examination and exceptional communication skills will be selected for a co-op placement. This initiative, facilitated by the institute, enables students to gain practical industry experience while earning a stipend ranging from Rs. 8000 to Rs. 10000 per month.

CREDIT TRANSFER

Students pursuing BCA course at DAVIET can join Bachelor of Computer Information System (BCIS) course at University of Fraser Valley Canada.

CAREER PATHS

- Big Data Analyst
- Data Scientist
- Network Administrator/System Administrator
- Database Administrator
- System Analyst



- Web Designer
- Software Engineer
- Software Developer
- IT Consultant
- Data Analyst
- UI/UX Designer
- Full Stack Developer

LAB FACILITIES

- Programming Lab
- DBMS Lab
- Networking Lab
- RedHat Linux Lab
- Operating System Lab
- Project Lab

STUDENT BODIES

- Google Developers Student Club (GDSC)
- MCA Technocrats for Masters Students
- Cyber Warriors for Bachelor Students

VALUE ADDITION PROGRAMS

- · One day workshop on Future of INTERNET OF THINGS
- One day Webinar on Robotics
- One Week FDP on Multi-Technologies -DART, REACT JS, INFORMATICA, AWS, DEVOPS, GITHUB
- One Week Workshop on Machine Learning with Python.
- One Week Workshop on Cyber Security and Android using Kotlin
- One Week Workshop on Cyber Security using Python, Tableau and Application Research Development
- One Day Workshop on MEDIA ANALYTICS: How streaming Services Recommend a Movie

- Neeraj Goyal, Software Engineer, Dell International Services.
- Swati Sharma, Tech. Analyst, Infosys.
- Yamini Verma, Consultant, Capgemini India Pvt Ltd.
- Rupinder Kaur, Project Engineer, Wipro.
- Abhinav Sood, IT Analyst, TCS.
- Ankit Kaura, Software Engg., Paxcom
- Rajat Khanna, Software Engg., Paxcom.
- Suman, Developer, Clerisy Solutions
- Pankaj Sharma, own Start-up, Uadtrics Solutions

HOSPITALITY & TOURISM MANAGEMENT

INTRODUCTION: Hospitality is nowadays, a word of curiosity for all of us. Ancient Indian literature acknowledged it in beautiful words of "Atithi Devo Bhava". This age-old magical concept has evolved as a significant source of economic prosperity, not only for people, at the micro level, but also for economies of nations, at a macro-economic level. The department offers two promising programs related to this important arena Bachelor of Hotel Management & Catering Technology and Bachelor of Tourism & Travel Management.

COURSE DESCRIPTION

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It is a graduate program of a four-year duration. It enables a future hotelier to take on a suitable hospitality job role in any of the following four core areas such as front office operations, food service sector, accommodation operations, and food production. The program equips a student with knowledge of unique hotel operations and products, management concepts including marketing, human resources,

finance, etc.; the practical skills related to four core areas of the industry, and finer details of hospitality behavior. A student gets the opportunity to undergo training twice for one semester each, in real-life hospitality operations.

CAREER OPTIONS

A student after completing the program will be able to explore career options in areas such as hotel management, food outlet management, club management, airline catering, cruise line catering, catering branch of armed forces, police,

railway, etc. The secondary options include government vacancies requiring a graduate, customer care divisions, call centres, sales divisions, organized retail sector, etc.





LAB FACILITIES

- Basic Training Kitchen Lab
- Training Restaurant & Bar
- Front Office Lab
- Mock Hotel Room

COURSE DESCRIPTION BTTM

It is a graduate program of four year duration. It equips the students with interpersonal skills, managerial skills and team-work. The program provides to the students knowledge of tourism operations and products, hospitality industry, Indian culture, travel agency operations; management of events, human resources, tourism business, principles of management; airline services, tourism business economics, tourism research, etc. The students get opportunity to have practical exposure in live tourism operations under 'on the job training' during final semester of the program.

CAREER OPTIONS

A tourism graduate, after completing the program will be able to explore career options in the areas such as: airline ground

staff and cabin crew, travel agency management, tour guide, tour operator, etc. The secondary options for a tourism graduate include travel writer / blogger, transport officer, front office department of a hotel, etc.

LAB FACILITIES

- Full Module of an Airplane Lab
- Geography Lab



DEPARTMENT OF APPLIED SCIENCES

INTRODUCTION: Established in 2001, the Department of Applied Sciences at DAVIET provides undergraduate engineering students with a robust theoretical and analytical foundation at the cross roads of Engineering Physics, Engineering Chemistry, Engineering mathematics and Communicative English. These courses cater to various engineering and applied science disciplines, including ME, CSE, ECE, MBA, BBA, B.Com. (Hons), BCA, and MCA. Our aim is to instill in students a profound comprehension of scientific principles, foster critical thinking, and nurture effective communication skills, equipping them for advanced studies and professional success.

COURSE DESCRIPTION

Engineering Mathematics

The department offers comprehensive courses in Engineering Mathematics, covering calculus, linear algebra, differential equations, and numerical methods. These courses provide students with a solid groundwork to tackle complex challenges across engineering domains.

Engineering Physics

Our Engineering Physics courses delve into mechanics, thermodynamics, electromagnetism, and optics, offering both theoretical insights and practical skills crucial for engineering research, design, and problem-solving.

Engineering Chemistry

Chemistry courses encompass stoichiometry, chemical kinetics



thermodynamics, and organic chemistry. Students gain knowledge to address global challenges in energy, environment, and materials science.

Communicative English

Proficiency in English is imperative for effective

communication. The Faculty of English offers courses in Communicative English, Technical Communication, and Business Communication. The curriculum includes grammar, vocabulary, syntax, discourse analysis, technical writing, report drafting, and presentation delivery, integrating specialized terminology for diverse engineering domains.

LAB FACILITIES

- Physics Laboratory
- Chemistry Laboratory
- Language Lab

RESEARCH FACILITIES:

The department boasts cutting-edge research facilities, including laser kits, microwave benches, interferometers, spectrophotometers, conductivity meters, and Wordsworth Language Lab software. These facilities foster innovation, facilitating research in fields such as Microwave Processing, Solid Oxide Fuel Cells, Nano-

> materials, Heterocyclic Synthesis, Medicinal Chemistry, Nano-chemistry, Waste Recycling & Green Chemistry, Numerical Analysis, Mathematical Modelling, Organic Chemistry, and English Literature.

STUDENTS BODIES:

(S)3 A: Students Society for



Scientific Advancement

(S)3 A serves as a platform for students to engage in academic and extracurricular activities, fostering leadership and collaborative skills. Notable activities include International Earth Day Celebration, National Science Day 2024 Celebrations, 200th Birth Anniversary of Swami Dayananda Saraswati Events, participation in Tech-Utsav at GNA University, and National Mathematical Day Celebrations.

VALUE ADDITION

To augment the academic experience, we organize expert talks, extension lectures, conferences, seminars, workshops, and other interactive programs. These activities ensure continuous learning and development, preparing students for successful careers.

FUNDED PROJECTS

Dr. Shivani Vij, an Assistant Professor in the Department of Applied Sciences, has received approval for her research project titled "Coherent Radiation Sources from Nonlinear Interaction of Laser with Clustered Nano Plasma." The Science and Engineering Research Board of the Department of Science & Technology, Government of India, has sanctioned Rs. 18.3 Lacs for this three-year project under the Teachers Associateship for Research Excellence (TARE) scheme.

RESEARCH INNOVATION & CONSULTANCY

INTRODUCTION: The Department of Research Innovation and Consultancy (RIC) is determined to fetch research projects from government organizations and industries to encourage research and development. The research activities are department-centric in DAVIET. Each department contributes to the research and development independently. The institute has collaborations with leading industries and premier institutes in India and abroad. UG and PG students actively participate in research and development activities. This department plays a vital role in the Institute's liaison with funding bodies, industry, and premier institutes and takes care of indentures relating to research, consultancy, and commercialization. We provide support, assistance, and advice in acquiring and commercializing intellectual property created by Institute staff and students.

The different activities of the RIC department include the organization of National and International Conferences to promote the culture of research in niche areas, promoting collaborative programs with other institutes in India and abroad, organizing specialized PSCST, DST, GOIsponsored industry-oriented workshops/ courses/ expert lectures/ FDPs, encouraging industry defined projects by students and faculty, creating awareness about joint research projects, faculty/ student exchange with institutes/ industry and organizing activities jointly with other institutes of repute to promote research culture in science & technology amongst

students.

In order to promote the research culture research labs have been established with corporate support. Texas Instruments Innovation Centre sponsored by EdGate Technologies Pvt. Limited/Texas Instruments, India; Robotics lab sponsored by Robolab Technologies Pvt. Ltd; Industrial Automation Centre in collaboration with Sofcon India Pvt. Ltd.; Galileo Centre for Academic Excellence and Digital Library; Huawei lab, Cyber security Lab, CCNA Lab, CISCO training lab equipment, Oracle technical support service and product for students.

Facilities like material processing and testing machines like PVD, spin coating & AFM, Compression testing machine, Flexure testing machine lab, Universal testing machine, Schmidt hammer, Ultrasonic pulse velocity test, Geotechnical engineering laboratory, and Material testing laboratory are available in the institute.

The faculty is involved in proactive research in the fields of Nano-Technology, LightWave Communication, Electromagnetics, Antenna Design, Robotics, Image Processing, Power Quality Robust Control Design, Soil Reinforcement, Self Compacting Concrete, Material Science, Organic Chemistry, Heterocyclic Chemistry, Green Chemistry, Nano-Chemistry, Manufacturing Process, Wireless Sensor Networks, Computational Intelligence, Computer Networks, Machine



Learning, Risk Management, Mathematical Modeling& Linguistics. The Institute also subscribes to a large number of reputed online and print journals in various disciplines for research and other academic activities.

The Governing body of the institution had also made provisions to provide seed money up to 1.5 lacks for minor projects to the faculty of the Basic Science/ Engineering & Technology, Management & Environmental Sciences department, and SEED Grant up to Rs. 0.75 lakh for Humanities department. There is a budget provision of Rs. 2 lakhs in the annual budget for funding industry-defined/ research projects of DAVIET students every year. The Institute grants up to Rs. 25000/- for each industry-defined/ research project.

Department of Electronics & Communication Engineering has established an "Artificial Intelligence (AI) and Machine Learning (ML) integrated IoT Lab" under the AICTE (MODROB) scheme for which a grant of Rs.1158600/- (eleven lakh fiftyeight thousand and six hundred) has been sanctioned by AICTE. A project grant of

Rs. 18.3 Lacs has been sanctioned by DST, GOI under TARE on the topic "coherent radiation sources from nonlinear interaction of laser with clustered nano plasma" to the Department of **Applied Sciences**



TRAINING & PLACEMENT

Department of Training and Placement helps the students through counseling and training for development of desired skills essential for suitable job profile/higher education/ self employment and inviting the Corporate Industries / Commercial Organizations for campus placement.

The Department of Training and Placement takes care of three specific areas:

- Placement of students in reputed
 National and Multinational Corporates
- Industrial Training of students
- Industry-Institute Interaction



- · Maxar Technologies, USA
- Syndigo, USA
- Microsoft
- · Adobe Systems Pvt. Ltd.
- Axis Bank
- Zscale
- Shapoorji Pallonji & Co. Ltd.
- Wipro Technologies
- ST Microelectronics
- Jaro Education
- Byjus
- Intellipaat
- Samsung
- Sap Labs India Ltd.
- Cognizant Technologies
- Federal Bank
- FlipKart
- HCL
- HDFC Bank
- Hewlett-Packard (HP)
- HSBC Bank
- IBM
- Vardhman Industries
- ICICI Bank
- Infosys
- IDFC First Bank
- L&T Constructions Ltd.

- Mahindra & Mahindra
- Paytm
- Schneider Elecrtic
- Tata Consultancy Services Ltd.
- Tech Mahindra Ltd.
- Unisys
- Huawei Telecommunication Pvt. Ltd.
- 3A IP
- ACC Cement
- Accenture
- · Acropetal Technology Ltd.
- · Capgemini Pvt. Ltd.
- · AGI Infrastructure Ltd
- Amazon
- Aon Hewitt
- Bajajallianz General Insurance Co. Ltd.
- Berger Paints India Ltd.
- · Bharti Airtel Ltd.
- Capital Small Finance Bank
- Ceasefire Industries Ltd.
- Click Labs
- Code Brew Labs
- Collabera
- De Facto Infotech
- Devraj Hi Tech Industries
- DHFL Pramerica
- eClerx Services Ltd.
- Edelweiss Securities Ltd.
- EM CEE CEE Sports Agencies Pvt. Ltd.
- EME Technologies
- Emicon
- EPAM INDIA
- ERA Infra Engineering Ltd.
- Ericson India Global Services
- Ernst & Young
- Fine Switches
- Ginger Webs Pvt. Ltd.
- GNA Enterprises Ltd.
- GreyB Research Pvt. Ltd.
- GTB Transformers
- HDB Financial Services Ltd.
- HDFC Life
- Hero Cycles Ltd.
- HP Cotton Textile Mills Ltd.
- HPL Electric & Power Ltd.

- · IEC Gensets Ltd.
- India Mart
- Indiabulls
- · Ingenuity Gaming Pvt Ltd.
- ITBD Pvt. Ltd.
- Itenic Solutions
- Jaysons Exports
- JBR Technologies Pvt. Ltd.
- JITF Urban Infrastructure Ltd.
- Justdial
- Kapsons Industries
- · Kent RO Systems Ltd.
- KONY LABS
- Kotak Mahindra Bank
- Kotak Securities
- L&T Infotech
- Luminous Industries Ltd.
- Mahindru Surgical Co.
- Max Life Insurance Company Ltd.
- Metro Tyres Ltd.
- Nestle
- Nivia Sports
- Patel Hospital
- Patient Bond
- Paxcom
- Paypal
- Power Systems & Control
- Preet Tractor Pvt. Ltd.
- Prism Johnson Ltd.
- Prism RMC Ltd.
- Ralson India Ltd.
- SIDEL India Pvt. Ltd
- Signicent information
- Solar First Energy Pvt. Ltd.
- Tommy Hilfiger
- Unit Nexus Pvt. Ltd.
- Utam Valves
- Vivo Communication Technology Co.
- WhiteHat Jr.
- · Yodlee Infotech Pvt. Ltd.

Defence Forces

- Indian Army
- Indian Air Force
- Indian Navy

Ongoir

900+







Community Service Through

NATIONAL SERVICE SCHEME (NSS)

NSS - A PARADIGM OF 'SERVICE BEFORE SELF'

At DAVIET, our commitment to nurturing responsible citizens who positively contribute to society is paramount. Through our National Service Scheme, we provide students with invaluable opportunities to engage in a wide array of community service activities. These experiences are meticulously crafted to foster a profound sense of social responsibility and empathy among our students.

The NSS activities are not just about service; they are about instilling fundamental values that shape individuals into conscientious leaders of tomorrow. Leadership skills are honed as students take on roles of responsibility within their service projects, learning to inspire and guide others towards shared goals. Moreover, teamwork is emphasized through collaborative efforts in planning and executing community initiatives, teaching the importance of cooperation and synergy in achieving meaningful outcomes. Through these experiences, students develop a strong sense of civic engagement, learning to actively participate in the democratic process and advocate for positive change in their communities.

In addition to fostering values of patriotism, leadership, teamwork, and civic engagement, the NSS activities also provide students with invaluable real-world experiences that complement their academic learning. Through hands-on

involvement in community service projects, students gain practical skills, broaden their perspectives, and deepen their understanding of social issues. These experiences not only enhance their overall education but also equip them with the empathy & resilience needed to navigate an increasingly complex and interconnected

world. Furthermore, by engaging with diverse communities and individuals from different backgrounds, students develop cultural sensitivity and appreciation for diversity, fostering a spirit of inclusivity and understanding that is essential for building harmonious societies. Thus, the NSS program not only enriches the lives of those served but also profoundly impacts the personal and intellectual growth of participating students, preparing them to become compassionate and socially responsible leaders in their future endeavors. Our NSS Team is engaged in:

- 1. Community Outreach Programs: Students actively participate in outreach programs aimed at uplifting underprivileged communities. This includes organizing awareness rallies on various social issues, health camps, educational initiatives, and environmental awareness campaigns.
- 2. Swachh Bharat Abhiyan: As advocates for a cleaner and greener environment, our NSS volunteers enthusiastically participate in Swachh Bharat Abhiyan initiatives. They engage in cleanliness drives, waste

management projects, and awareness programs to promote hygiene and sanitation.

3. Blood Donation Camps: Recognizing the importance



of blood donation in saving lives, our NSS unit regularly organizes blood donation camps in collaboration with reputed blood banks. This initiative has been instrumental in addressing blood shortages and raising awareness about the significance of voluntary blood donation.

- 4. Skill Development Workshops: In line with the NSS motto of "Not Me, But You," we organize skill development workshops for marginalized communities to empower them with practical skills for livelihood enhancement. These workshops cover a range of topics including vocational training, financial literacy, & digital literacy.
- 5. Disaster Management Training: Our NSS unit conducts workshops and training sessions on disaster management and preparedness. Equipping students with essential knowledge and skills enables them to respond effectively during emergencies and contribute to disaster relief efforts.
- 6. Adopt Village Program: Through our "Adopt Village" program, NSS volunteers adopted three villages to address their socio-economic needs. This long-term commitment involves holistic development initiatives such as infrastructure improvement, healthcare provision and education support.
- 7. "Meri Matti Mera Desh" and Panch Pran Abhiyan: Meri Matti Mera Desh Abhiyan visualizes an integrated celebration of India's soil, memorializing the nation's journey of freedom. This initiative instilled the values and ideals outlined in the Panch Pran, as envisaged by the Honorable Prime Minister Sh. Narendra Modi in his Independence Day address.



Unity and Discipline

NATIONAL CADET CORPS (NCC)

With its motto of "Unity and Discipline," the NCC aims to create organized, trained, and motivated youth by developing qualities of leadership, team spirit, secular outlook, ideas of selfless service, and a spirit of adventure. The activities of the NCC comprise Institution Training, Community Development Programme cum Social Service Activities, Youth Exchange Programme, Adventure Training and Sports. NCC "C" certificate cadets receive benefits in the form of reserved vacancies for commission in the Defense Forces, i.e., in the Indian Army, Indian Navy, and the Indian Air Force. The college unit provides an opportunity for the students to be a part of this unique organization and the cadets of the college unit actively take part in the Independence and Republic Day Parade. The college has a senior wing unit of 2 Punjab NCC Battalion.

Lt. Jaswinder S Dhillon, Associate NCC Officer (ANO) is in charge of this unit.

TWO TEN DAY COMBINED ANNUAL TRAINING CAMPS ORGANISED IN THE COLLEGE

DAVIET hosted two ten-day combined annual training camps on campus, offering students intensive hands-on learning experiences across diverse disciplines.

CATC 29: A ten-day National Cadet Corps (NCC) camp was organized in the Institute campus under the guidance of 2 Punjab NCC Battalion. The event witnessed the

enthusiastic participation of 660 NCC cadets from across the region, making it an extraordinary gathering of young minds eager to learn and grow. Colonel Vinod Joshi, the Camp Commandant, highlighted the significant achievements during the camp. He mentioned that the camp served as a platform for

shortlisting cadets who would have the honor of participating in the Republic Day Parade. This rigorous selection process will continue in the next camp. Furthermore, 54 cadets have been chosen to represent Jalandhar District in various competitions

Combined Annual Training Camp 30 (CATC 30) organized by 2 Punjab Battalion NCC Jalandhar. The CATC 30 is a significant event aimed at nurturing the values of dedication, devotion, and discipline among the cadets. It plays a

Achievements of the Cadets for the session 2023-24

Sr.No.	Cadet	Achievement
1.	SUO Sahil	Selected for Ek Bharat Shreshtha Bharat,
		Secunderabad (21st to 30th Oct 2023)
2.	JUO Sidharth Palsra	Best Cadet (Jalandhar Group)
3.	JUO Sidharth Palsra	Selected for Attachment camp at IMA,
		Dehradun (17th to 29th Dec, 24)
4.	JUO Sidharth Palsra	Selected for Gujrat Trek Camp
		(28th Nov to 05th Dec, 24)
5.	Cdt. Sidharth Khullar	Best Cadet (Cadet Welfare Scheme)
6.	Cdt. Shagun	Represented Jalandhar group at All India
		Thal Sena Camp (18th to 30th Oct, 24)
7.	Cdt. Mehak	Selected for Pre-Republic Day Camp

at different venues.

CATC 30: The Institute once again displayed its commitment to nurturing the youth of the nation by hosting the

crucial role in shaping the character and leadership potential of future youth leaders, instilling in them a profound sense of responsibility towards the nation. Brigadier

Ajay Tiwari, Sena Medal, the Chief Guest of the evening and a decorated military officer, highlighted the pivotal role of NCC camps in cultivating the essential attributes of dedication, devotion, and discipline among the youth. He emphasized that such camps contribute significantly to molding disciplined and responsible citizens who are dedicated to serving their motherland. During the CATC 30, the cadets had the opportunity to benefit from expert lectures, workshops, drills, and weapons training.



CULTURAL ACTIVITIES

DAVIET Heroics in Cultural Domain — The Victory Saga Continues

DAVIET Bagged Overall Trophy in IKG-PTU Zonal & Inter-Zonal Youth Festival 2023

The Institute has garnered myriad International & National Achievements in Cultural Activities. The prime being the overall Winner of the IKG PTU Zonal Youth Festival along with individual winners trophies of Fine Arts and Dance and Inter Zonal Youth Festivals along with individual winners trophies of Dance and Fine Arts since inception. In hard-fought competitions, our institute has an impeccable record in the domain of cultural activities. Recently, our student Sukhdev Chhabra of B.Tech- Computer Science and Bhangra team represented the IKG-PTU at Punjab State Inter-University Youth Festival 2023 held at Punjab University, Patiala, and bagged 5th position in Elocution and Dance. The cultural activities unit is spearheaded by Dr Neeru Sharma, Asstt. Prof. (Maths) & Cultural Officer, DAVIET.

DAVIET BAGGED OVERALL TROPHY IN 38th ALL INDIA FOLK ART CONTEST

The students participated in the 38th All India Folk Art Contest, organized by the Indian Cultural Association on February 1617, 2024. The main events in this contest were folk song, marriage song, mimicry & histrionics, skit, fancy dress, folk dance (male), and folk dance (female). Students of DAVIET got 1st position in Mimicry, bhangra, giddha, histrionics, and skit and 2nd position in folk song, marriage song. The performance of the students in various events was creditable and applauded by all. DAVIET got the honour of bagging the overall trophy and Cash prizes to students in the 38th All India Folk Art Contest.

PRIZES WON IN OTHER INSTITUTIONS

Throughout the academic year, students from our Institute took part in a variety of activities hosted by various institutions. DAVIET grabbed 1st Prize in the AD MAD Show organized by the CT group of institution Maqsudan. Students grabbed 1st Prize in AD MAD show and Nukkad Natak in APPEEJAY SPARK-2023 organized by Apeejay Institute of Management & Engg. Jalandhar. Students also took part in CT Institute's "Rang Munch 2023" competition, HMV "Utsav 2023" and Kala Utsav at Trinity College and won trophies and brought honour to our Institution. Numerous students also took part in the various events that SVEEP organized in conjunction with the Punjab Election Commission.

ADHARVA 2K23

Annual Talent Hunt 'ADHARVA 2K2 - Step Into Spotlight' was organized with great zeal & enthusiasm on 28-29, August 2023 at DAVIET. Talent Hunt provides a platform for first-year students to display their talents to make their enthusiastic presence felt. It also gives a chance to the organizing students to provide their juniors with the much-needed exposure to show a healthy competition full of learning and an overall fantastic experience.

The events like dancing (western and folk), skits, painting, sketching, rangoli, photography, singing, quiz, elocution, group discussion, essay writing, turban tying, and many more were organised by the 12 clubs of the institution viz. Arteso, Alfaaz, Ashwa, Strings and Sargam, Kalakaar, Pragyaan, Clicker, Wordsmiths, Gidha, Bhangra, Shaan-e-dastaar and Ayojaks.

CHARISMA 2k23

Annual Freshers' Party "Charisma 2k23"-Celebrating the vibrancy and talent of its first-year students was organized in the institution. The Fresher's Meet is not just a celebration but a crucial initiation into college life, marking the beginning of a journey filled with learning, growth, and friendships. CHARISMA provided a

> platform for the students to display their diverse talents and creative expressions, setting the tone for an exciting academic year ahead.

Mr. Sukhdev who played the part of Govinda was declared Mr. Fresher, embodying the spirit of enthusiasm and Ms. Palak Sharma who played the part of Kareena Kapoor was declared Miss Fresher.



SPORTING SPLENDOUR

Competitive sports form an integral part of the academic program of the college. The Sports department of the college organizes multiple inter-class competitions to enhance the competitive skills of the students. Further, the students are given an opportunity to represent the college at Inter-college, Inter-varsity, State, National, and International level competitions. Moreover, our college boasts of state-ofthe-art sports facilities, including wellequipped gymnasiums, sprawling playing fields, and indoor sports complexes, providing students with ample opportunities to pursue their athletic interests. Whether it's cricket, football, basketball, tennis, or athletics, our facilities cater to a wide range of sports, ensuring that every student can find their niche and excel in their chosen discipline. Our commitment to facilitating athletic excellence extends to providing access to expert coaching and training resources, further enhancing students' skills and performance in their chosen sports. With a

vibrant sports culture and a supportive environment, our college encourages students to push their boundaries, strive for excellence, and embrace the values of sportsmanship both on and off the field. In addition to fostering physical fitness and sporting excellence, the sports program at our college places a strong emphasis on character development and teamwork. Through regular training sessions, coaching from experienced professionals, and participation in competitive events, students not only hone their athletic abilities but also learn invaluable life skills such as discipline, resilience, and sportsmanship. The camaraderie and spirit of collaboration fostered within our sports teams create lasting bonds among students, enriching their college experience and preparing them for success in both their academic and personal lives.

Furthermore, our sports program extends beyond mere competition, emphasizing the importance of inclusivity and participation

for all students. We believe that sports offer a platform for personal growth and selfdiscovery, irrespective of one's skill level or background. Hence, our Sports Department orchestrates a variety of recreational sports activities, ensuring that each student can maintain an active and healthy lifestyle, whether through the camaraderie of team sports or the solitary pursuit of individual activities. These inclusive initiatives not only promote physical well-being but also contribute to the overall mental and emotional wellness, fostering a vibrant and supportive campus community where everyone feels valued and empowered to pursue their sporting passions.

Achievements of various teams for the session 2023 - 2024 at glance:

BADMINTON (MEN & WOMEN)

DAVIET Badminton Team won Gold Medal in Men's & Silver Medal in Women's Category in the IKG PTU Inter-college Badminton Tournament held in the institute

> from 20th to 21st Sept, 2023. The students participated with great zeal and brought laurels to the institute.

CHESS (WOMEN)

DAVIET Women's Chess Team won Gold Medal in the IKG PTU Inter-college Chess Tournament held at CEC, Landran 25th to 26th Sept, 2023.

LAWN-TENNIS (MEN)

DAVIET Lawn-tennis Team won Gold Medal in Men's category in the IKG PTU Inter-college Lawn-tennis Tournament held at IKG PTU, Jalandhar from 30th to 31st January, 2024.



SPORTING SPLENDOUR

SWIMMING (MEN)

DAVIET Swimming team participated in the IKG PTU Inter-college Swimming Tournament held at GNDEC, Ludhiana on September 12th, 2023, and won the Silver Medal for the Institute.

VOLLEYBALL (MEN & WOMEN)

The men's Volleyball team of DAVIET participated in the IKG PTU Inter-college Volleyball Tournament held at SVIET, Banur from 12th to 13th February 2024, and won a Silver medal for the Institute. In the same tournament, the Women's team won the bronze medal.

BASKETBALL (MEN)

DAVIET Basketball Men's team got the Runners up position in the IKG PTU Intercollege Basketball Tournament held at SVIET, Banur from 10th to 11th October 2023. The team showed great teamwork, Courage, and Confidence during the different events of the Tournament.

HANDBALL (MEN)

DAVIET Handball team participated in the IKG PTU Inter-college Handball Tournament held at BGIET, Sangrur from 25th to 26th October 2023, and won the Bronze Medal for the Institute.

CRICKET (MEN)

DAVIET Men's Cricket team got the 2nd Runners position in the IKG PTU Intercollege Cricket Tournament held at the institute ground from 15th February to 06th March 2024.

MUSCLES FLEXED AT 22nd ANNUAL SPORTS AND ATHLETIC MEET

The 22nd Annual Sports Day of the Institute was celebrated with great aplomb. Shri Sushil Rinku, MP (Jal) was the Chief Guest & Dr. Ajay Kumar Goswami, Secretary (DAVCMC) was the Guest of Honour on the occasion.

Sports play a crucial role in fostering holistic development, promoting physical health, mental well-being, and social cohesion. Engaging in sports activities not only enhances physical fitness but also instills valuable life skills such as teamwork, discipline, resilience, and leadership. Furthermore, sports provide a platform for individuals to challenge themselves, set and achieve goals, and develop a sense of self-confidence and accomplishment. Beyond personal growth, sports also promote social interaction, cultural exchange, and mutual respect, breaking down barriers and fostering



camaraderie among individuals from diverse backgrounds. Overall, sports are essential for nurturing well-rounded individuals, building strong communities, and promoting a healthier and more harmonious society.

Dr. Sanjeev Naval, Principal DAVIET encouraged the students to participate in sports events. The annual Sports Day of the Institution provides a platform for students to showcase their expertise in the sports arena. Track and field events like 100m, 200m, 400m, 800m, and 1500m, Shot Put, Discus Throw, Long Jump, 4X100m, 4X400m Relay Race, Tug of War, Basketball, Badminton & Volleyball both in the category of men and women were organized. With spirits cooling down and physiques getting weary, the sports meet advanced towards its close with the Prize Distribution.

Yashika Sood of B.Tech (ECE) 3rd Year and Ranish of BCA 2nd Year were adjudged Best Athletes in the Annual Athletic and Sports Meet.

Dr. Sanjeev Naval, Principal; Mr. Jaswinder Singh Dhillon, President of Sports and Heads of various departments gave away the prizes to the winners at the closing ceremony of the meet.



INFRA-STRUCTURE

MATERIAL SCIENCE BLOCK

Material Science Block houses well equipped Manufacturing practice workshops for Carpentry, Fitting, Welding, Machine tools, Foundry, laboratories of Mechanical and Civil engineering departments. Main attraction in Material science block is the lab of Mechanical Measurement and Metrology set up in collaboration with world leader Mitutoyo Corporation of Japan.



CORE BLOCK





RESEARCH FOUNDATION BLOCK

R & D Block houses state-of-the-art advanced research laboratories on Light Wave Technology, Robotics and Nano Technology. Apart from this, Principal's Office, Administrative & Accounts Offices, Class Rooms, e-Lecture Theaters & Electronics Labs are also a part of this building.

UNDER GRADUATE BLOCK



AUDITORIUM

In order to serve purpose of drama, dance and other music & cultural activities our campus house a Centrally Air Conditioned two-tier Lala Chanchal Dass DAVIET Auditorium with a seating capacity of 1200. This theater is equipped with modern sound system, which is capable of being reconfigured to suit different needs. We also have standard, boom, wideangle microphones, floor mics and hi-fidelity mics. Wireless mics are used for question & answer sessions. The stage has a modern lighting system. The auditorium cum multipurpose hall also provides indoor facilities for badminton and table tennis to the students.



POST GRADUATE BLOCK

The Post Graduate Block houses a mini auditorium namely Convention Hall in addition to class rooms & offices. This block caters to the requirements of our PG students besides offices, and laboratories of Mechanical & Civil Engineering.





COMPUTING FACILITIES

The Computer Centre of the institute is located in the Core Block. It is equipped with best facilities in the region. it includes more than 650 plus computers connected to a high-speed network using gigabit Ethernet technology. Computer centre is having 24 hr. internet connectivity with 512 Mbps Leased Line. Centre has made the whole institute a "Wi Fi Zone".

CONVENTION HALL

Convention Hall is located in the PG block, fully equipped with all kinds of audio and visual aids which makes learning more effective. Seminars/Expert Talks/Small Functions are conducted by the staff and the students of all the departments. Besides, experts from leading industries and corporate houses deliver their expert talks that enable the students to have an exposure of the industrial environment.



KNOWLEDGE CENTRE



CENTRAL LIBRARY

The Library and Information Centre has got a collection of over 34,754 stocks, comprising of books, periodicals, reports, standards-both Indian & International, technical papers, photocopies and reprints. There is also a Lab section named Galileo Meridian Digital Library which gives access to NPTEL videos, 10,000+ ebooks and numerous e-journal articles. Presently the Library and Information Centre occupies ground and first floor of the building called Knowledge Centre. Total floor area is 2108 square meters which enables a seating of 350 students at a time.

Other Services include Photocopying Facility, Book Bank Facility for economically poor students, Scholarship for bright students, Current Affairs, Locker facility and Newspaper Clipping Service.

Sections:

- · Electrical Engineering
- · Electronics & Comm. Engg.
- · Mechanical Engineering
- · Civil Engineering
- · Computer Science
- · Computer Science (AI & ML)
- · Information Technology
- · Hospitality & Tourism Management
- Content Pages of Current Periodicals

- Physics
- Chemistry
- Mathematics
- Management
- · Religious Books Section

BOOKS

Arranged by Dewey Decimal Classification Scheme. Consult Online Public Access Catalogue for call number before going to the shelf. You can search the catalogue by Author, Title, Subject or Call number. New books, publications, issues of periodicals, standards, etc., are displayed in the ground and first floor. The date of display is stamped on each of the publication.

The Library is centrally air conditioned and boasts of state of the art facilities and modern design in architecture. In addition, an escalator facility has been provided in the library for the convenience of scholars.



INFRASTRUCTURE



DAVIET HOSTELS - Home away from home

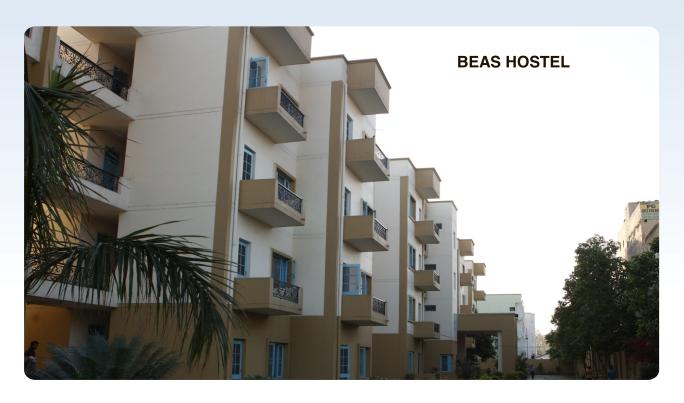
Resident scholars are the soul of any institute and help create the ethos of any Institution. We at DAVIET take special pride in our resident scholars and consequently make persistent efforts to make their stay in the campus comfortable. Special attention is paid to their overall personality development. Our hostels provide a safe, nurturing environment, where the hostel staff and the teachers are committed to "go the extra mile" to help the resident scholars. The time you spend with us will help you evolve as complete human beings as you will be inspired, challenged, and truly cared for. At the hostels you will be motivated to question, to grow each day and to leave a mark through diverse achievements. DAVIET houses separate hostels for boys and girls with all the modern amenities required for a comfortable living. The rooms in the hostels are well ventilated with the option of single, double and triple occupancy. The hostels have 24 hour Wi-fi connectivity through 512 Mbps leased line. To facilitate the learning process, there are separate study rooms available. To ensure uninterrupted studies, 24 hour power backup is provided and medical health care and insurance facility is also available. All this ensures minimal movement of students outside the hostel premises. Here it is pertinent to mention that DAVIET is a RAGGING FREE INSTITUTE. In order to make the stay of the students safe and comfortable, both first year and senior boarders are provided regular counselling. The Principal, Chief Warden, Anti-ragging Committee, Antiragging squad and wardens are always accessible to students.



The parents of the outstanding candidates are advised to avail the Institute's hostel facilities rather than seeking an accommodation outside the premises of the Institution. The boarding facilities in outside rented accommodations viz. Pgs etc. are not quite conducive on account of safety, hygiene, food quality, power backup, internet connectivity, economy, discipline and other amenities. The students not availing the Institute's hostel facilities shall be doing so at their own risk and responsibility.

INFRASTRUCTURE





RULES & REGULATIONS

RULES & REGULATIONS

- A student shall conform to high standards of discipline and shall conduct himself/herself in a manner befitting the student and the Institute.
- He/She shall show due courtesy and consideration to the employees of the Institute and good neighborliness to his/her fellow students, respect the wardens of the hostels and the teachers of the Institute.
- To safeguard its ideals of scholarship, character and personal behavior, the Institute reserves the right to order the withdrawal of any student at any time for any reason deemed sufficient.
- Punishment such as expulsion from the Institute, withdrawal of candidature from appearing in university examination shall be executed by Principal on recommendation of the discipline committee.
- Students and their parents / representatives are forbidden from addressing the trustees or the members of the Managing Committee directly.
- Consumption of Non Vegetarian food, alcohol or any other intoxicant and smoking etc. is strictly prohibited in the institute as well as hostels. The guilty students shall be liable for punishment and disciplinary action which may include expulsion/suspension from the institution or hostel or imposition of fine or all of them.

DRESS CODE

The students are required to wear institute uniform on Mondays, Formal Functions of the Institute, Industryinstitute interaction, educational tours and placement drives.

IDENTITY CARD

Every student is supposed to get an

Identity Card. In this connection a notice will be issued by the office. The photographer will be available in the institute on the specified dates and timings. Every student must be in possession of Identity card with him/her. Failure to produce the identity card on demand of the competent authority will lead to disciplinary action/ imposition of fine. Loss of identity card must be reported to administrative office immediately and a new card be secured within a week on the payment of prescribed fee.

ATTENDANCE

A student must be regular and punctual. If a student remains absent from the Institute without leave continuously for two weeks, his/her name is liable to be struck off from the Institute rolls. Student will be readmitted on the payment of readmission fee and penalty as applicable. A student must fulfill the requirement of attendance as laid down by IKGPTU, failing which, he/she will be detained from appearing in the end semester university examinations. Attendance during the functions in the institute is compulsory for the students.

LEAVE

- · All kinds of leaves should be applied for on prescribed application form before it is availed.
- In exceptional circumstances, the application may be submitted within seven days after the expiry of leave.
- Leave application should be recommended by the respective HoD.
- The medical officer must recommend leave application on medical grounds. Father/ Guardian of the student must countersign such application before it is sent to the Institute. Medical Officer will clearly specify the disease and the period of the rest recommended. Medical certificate along with the

- fitness certificate from a competent authority must be submitted on rejoining the Institute.
- The Principal will sanction medical
- Absence or leave from internal exam may affect internal awards.
- Students absenting themselves without leave shall be liable to disciplinary action including fine.

EXAMINATION

- There shall be two mid semester tests.
- It is compulsory for the students to appear in both the Mid Semester Tests.
- In case a student falls ill during the course of examination, his/her leave application on the prescribed form supported by the medical certificate should be submitted immediately.
- No leave application will be accepted at a later date or after the examination.
- Theory and practical in each subject are considered two separate units.
- A student found guilty of using unfair means during the examination will be given deterrent punishment. He/ She may even be expelled from the Institute or disqualified from appearing in the University examination.

INTERNAL ASSESSMENT AWARDS

PTU has prescribed the following guidelines regarding the award of Internal Assessment.

Theory:

Mid Semester Tests-60%, Home Assignments- 12.5%, Tutorials-12.5% and Attendance-15%

Practical:

Practical Performance -60%, Lab Report-12.5%, Viva Voce-12.5% and Attendance-15%.

CODE OF CONDUCT

To foster a culture of ethical conduct, the Institute mandates that each student willingly agrees to and complies with the established Code of Conduct:

- Students are required to uphold the environmental sustainability initiatives of the campus by adhering to a plasticfree environment. Single-use plastic products are strictly prohibited on campus premises.
- Littering is strictly prohibited within the campus premises. Students must utilize designated dustbins for waste segregation to ensure proper disposal and utilization of waste materials.
- Safety is paramount within the campus. Therefore, students are mandated to wear helmets while riding bikes or any

- other vehicles on campus, ensuring the safety of both the driver and the pillion rider
- To maintain a peaceful and conducive learning environment, students are prohibited from honking horns on the campus premises.
- Attendance and participation in classes are mandatory for all students. Leaving the institute premises during scheduled classes is strictly prohibited.
- Students are expected to adhere to a modest dress code within the campus. Gaudy, skin-tight, or revealing attire is not permitted.
- Giving gifts to employees of the institute, including hostel, mess, or canteen staff, is strictly prohibited.

- Students must obtain prior permission from the worthy Principal before associating the name and campus of the Institute with any publication or external activity.
- Students are expected to respect and uphold the principles of diversity and inclusivity within the campus community. Discriminatory behavior or harassment based on race, gender, ethnicity, religion, or any other characteristic is strictly prohibited.
- Students are expected to respect and take care of the institute's property, including buildings, facilities, equipment, and resources. Any vandalism, damage, or misuse of institute property is strictly prohibited.

GENDER SENSITIZATION CELL

The institution is well prepared to handle and respond to gender sensitive issues and provide an environment where men and women can work together with a sense of personal security and dignity. For this purpose the institute has setup gender sensitization cell to engross the awareness about gender issues and working towards and creating an enabling environment of gender justice. Faculty member(s) deputed from each department designated as Nodal Teachers in this cell identifies student Gender Champions from their department.

RAGGING IS A CRIME - PUNISHABLE BY LAW

in the Admission Cell of the Institute.

- In view of the directions of the Hon'ble Supreme Court in SLP No. 24295 of 2006 dated 16-05-2007 and in Civil Appeal number 887 of 2009, dated 08-05-2009 and AICTE notification F.No.37-3/Legal/ AICTE/2009 to prohibit, prevent and eliminate the scourge of ragging; ragging in any form is banned in the institute. It is a criminal offence and FIR shall be registered against the student(s) indulging in this crime.
- Students in distress owing to ragging related incidents can access the Toll Free Helpline 1800-180-5522.
- The student and parents are required to furnish an affidavit as per format available

The contact numbers of Anti Ragging Squad/HODs/Chief Warden/Hostel wardens have been displayed at all prominent places in the institute. The students are free to contact on these

numbers round the clock to report any

Directives of the Supreme Court of India issued on May 16, 2007 (Select Extract)

incident related to ragging.

- The punishment to be meted out has to be exemplary and justifiably harsh to act as a deterrent against recurrence of such incidents.
- Every single incident of ragging where the

victim or his parent/guardian or the Head of institution is not satisfied with the institutional arrangement for action, a First Information Report (FIR) must be lodged without exception by the institutional authorities with the local police authorities. Any failure on the part of the institutional authority or negligence or deliberate delay in lodging the FIR with the local police shall be construed to be an act of culpable negligence on the part of the institutional authority. If any victim or his parent/guardian of ragging intends to file FIR directly with the police, that will not absolve the institutional authority from the requirement of filing the FIR.

NOTE

- All disputes subject to Jalandhar Jurisdiction.
- Fee shall be as per IKG PTU Norms.
- Tuition/University related fees Subject to change as per Punjab Govt./IKG PTU Norms.
- Additional fee of Rs.500/- will be charged from final year students towards IKG PTU document fee.

OUR WINNERS AND ACHIEVERS



Shrey Chander Soney Package 70 LPA MAXAR Technologies, USA (B.Tech.)



Nimran Atwal Package 54.50 LPA Syndigo, USA (B.Tech.)



Lovish Chhura Package 25.50 LPA Zscaler (B.Tech.)



Kanika Soni Package 13.94 LPA Zscaler (MCA)



Harleen Kaur Package 12.56 LPA Federal Bank (MBA)



Vanshika
Package 12.08 LPA
Microsoft
(B.Tech.)



Sourav Juneja Package 9.0 LPA Intellipaat (BCA)



Kunwar Charaya Indian Engineering Services (All India Rank-115) GATE (All India Rank-34)



Harsimran Singh IFS All India Rank-16



Priyanka Sub-Divisional Officer Irrigation & Water Supply Punjab



Sub-Divisional Officer

Irrigation & Water Supply

Punjab

Ankur Sharma Executive Engineer Design Hydel Projects, Punjab Water Resource Deptt., Chandigarh



Padamdeep Singh Sub Divisional officer Punjab Water Supply & Sewerage Board, Jalandhar



Vanshika M.Tech. EE (2022 Pass Out) 1st in University



Ankit Narang
B.Tech. IT (2022 Pass Out)
2nd in University



Sudhanshu Sharma M.Tech. CE (2022 Pass Out) 3rd in University



Akhil Kathuria
B.Tech. IT (2022 Pass Out)
3rd in University



Aashima Mehta
B.Tech. IT (2022 Pass Out)
3rd in University



Anamika B.Tech. IT (2023 Pass Out) 3rd in University



Harkamal Singh M.Tech. CSE (2022-23 Pass Out) University Merit Holder



Nikhil Bhatti M.Tech. CE (2022 Pass Out) University Merit Holder



Aijaz Hussain Bhat M.Tech. CE (2022 Pass Out) University Merit Holder



Aakash Bamba B.Tech. IT (2022 Pass Out) University Merit Holder



Arshdeep Singh B.Tech. EE (2022 Pass Out) University Merit Holder



Sunil B.Tech. EE (2022 Pass Out) University Merit Holder



Mridul Talwar B.Tech. EE (2022 Pass Out) University Merit Holder



Saniya Bhatia B.Tech. IT (2022 Pass Out) University Merit Holder



Akhil Sharma B.Tech. ME (2023 Pass Out) University Merit Holder



Sanya Gupta B.Tech. IT (2022 Pass Out) University Merit Holder



Sanjay Kumar B.Tech. EE (2022 Pass Out) University Merit Holder



Gursirat Kaur BCA (2022 Pass Out) University Merit Holder

ॐ अग्निमीले पुरोहितं यज्ञस्य देवमृत्विजम्। होतारं रत्नधातमम्॥

अर्थात्:

यज्ञ के पुरोहित, दीप्तिमान्, देवों को बुलानेवाले ऋत्विक् और रत्नधारी अग्नि की मैं स्तुति करता हूँ।



DAV INSTITUTE OF ENGINEERING & TECHNOLOGY

- (Pb.) Kabir Nagar, Jalandhar City-144008 (Pb.)
- **(**) 0181-2343400-401, 2207650
- admission@davietjal.org
- www.davietjal.org
- (f) www.facebook.com/davietjal.org
- **(E)** www.twitter.com/davietjalandhar

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