



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

DAV INSTITUTE OF ENGINEERING AND TECHNOLOGY

**DAV INSTITUTE OF ENGINEERING TECHNOLOGY KABIR NAGAR,
JALANDHAR-144008, PUNJAB**

144008

www.davietjal.org

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

November 2022

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

DAV Institute of Engineering & Technology, Jalandhar was established in the year- 2000 under the aegis of DAV College Trust & Management Society, New Delhi. The DAV College Managing Committee is the executive body of the said trust. As a cultural and administrative monolith, it is the most significant stakeholder in academics. DAVIET is located in the heart of Jalandhar City on a prime piece of land on the left side of the Jalandhar-Amritsar highway. It spreads over a magnificent landscape with a running canal on its back and historic Burlington Park at its front. The institute is well connected with the rail network, road and air.

At DAVIET, we provide best professional education with a current (2021-22) annual intake of 870 students for the undergraduate and 135 students for the various post-graduate programs. The built-up area of 42100 Sq.m. covers seminar halls, conventional hall, auditorium, playground, lecture halls, in-campus ac hostels and state-of-the art library embellished with the Galileo Meridian Digital repository of knowledge. The objective behind this institute's establishment is not merely dissemination of knowledge but to provide the necessary soft and social skills to face the vagaries of life.

Vision

To attain the coveted status of a growth-oriented 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.

DAVIET has experienced, visionary and luminary leadership involved in its operations and planning. In its meticulous and multi-pronged planning, DAVIET is offering multidisciplinary quality programs to the students with necessary skills in a vibrant, innovative and globally competitive environment. In pursuit of excellence, DAVIET is fully committed to justify its vision & mission by way of creating, executing and disseminating the knowledge in Engineering, Business Management, Computer Applications and Hospitality Management. DAVIET is on its path to achieve academic excellence so that it becomes a prominent Institution and contributes in nation building.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Governed by the Visionary Luminaries of DAV College Managing Committee New Delhi—the oldest

and largest non-government educational organization in the country.

- Awarded with “Best Engineering College” of Punjab Technical University, Jalandhar in the year 2013, “Outstanding Institution(Engineering Colleges)-2018” by NITTTR, Chandigarh, “Best Chapter fo ISTE (Punjab, Chandigarh, HP, J&K)”.
- Ranked 17th amongst "Top Engineering Colleges of Excellence" in India as per CSR-GHRDC Engineering College Survey 2022.
- Excellent placement record with highest Salary Package of Rs. 54.5 Lakh to our student.
- Wipro Accredited for Placements & Project Activities since 2009.
- Conferred with the status of ‘Host Institution(HI)/Business-Incubator(BI)’ by MSME.
- Co-op opportunities through Earn-While-You-Learn Program.
- Highly qualified, synergized and research-oriented faculty with quality research publications.
- First Institute to establish a Research Centre of Nanotechnology in the state of Punjab.
- Twelve patents (published/granted) to the credit of DAVIET.
- Consultancy services to public and private sector.
- Sponsorship to faculty for Research activities, FDPs, Conferences, Workshops etc.
- Funded projects to the credit of DAVIET faculty.
- Excellent Faculty Retention Ratio.
- Action oriented & Project based Teaching-Learning environment.
- Centre of excellence: Huawei ICT Academy, Oracle Academy, CISCO Networking Academy.
- MoUs with institutions of National Importance and the corporate giants.
- First preference multidisciplinary institute for admissions amongst all PTU affiliated colleges being an innovative, creativity-oriented, enterprising and globally recognized Engineering Institute.
- State-of-the-Art Infrastructure and laboratories.
- Galileo Meridian Computerized and Digitized Library with e-resources for students & faculty.
- Excellent Merit positions in university examinations.
- Distinguished Alumni having strong linkage with Alma Mater.
- Excellent track record of achievements in co-curricular and extracurricular activities.
- Emphasis on moral and value based education.
- Need based Scholarships.

Institutional Weakness

- Being an affiliated institution, there is a limited scope for up-gradation of the curriculum as per the requirement of the Industry.
- Less number of faculty with industry exposure.
- Consultancy and extension activities need enhancement.
- No technology incubation platform to transfer the technology to industries.
- Collaborations with the other leading research institutions to be strengthened.
- Fewer funded projects grants from government agencies.

Institutional Opportunity

- NBA Accreditation and autonomous status.
- MoUs with foreign universities for student/faculty exchange programmes to provide them an International exposure for a wider knowledge and skill set.
- Collaborative proposals with Govt./Govt. Aided institutions for research projects/grants.

- To provide consultancy to industry using Industry-Academia linkage for Resource Generation of the institution and offering industry exposure to the students.
- To set-up new Centre(s) of Excellence in the emerging areas of Engineering & Technology.
- Inter-disciplinary research in contemporary areas.
- To establish a Faculty Development Centre for continuous development and skill enhancement for the existing faculty coupled with a comprehensive orientation program for the newly recruited faculty.
- To innovate and revise the curricula strictly according to the contemporary requirements of the industry, after attaining the autonomous status.
- To enhance employability of our existing students with domain specific industry-oriented training.
- To strengthen Alumni Linkage.
- To explore possibilities for non-conventional energy sources as alternatives to meet growing energy demands to make DAVIET self-reliant, green and clean campus.
- Bigger Role under CSR/ISR.

Institutional Challenge

- Rapid technology advances and obsolescencethereof.
- Continuous up-skilling and re-skilling of faculty.
- Limited research funding to self financed institutions by government agencies.
- Mushroomed growth and commercialization of educational institutions.
- Falling interest amongst the aspiring students to opt for Engineering as a career option.
- Migration of students from Punjab (especially Doaba region) to other countries.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

DAV Institute of Engineering and Technology (DAVIET) is an affiliated institution offering ten undergraduate and five postgraduate programs. It strictly adheres to the curriculum framed by the respective Board of Studies (BoS), IKG Punjab Technical University (IKGPTU), Kapurthala.

Subjects are assigned to the faculty based on their core competencies, industry exposure, research interest etc. Course plan is prepared for each subject in accordance with the academic calendar and time-table. The Course Review and Program Review Committees are constituted to plan/review the teaching-learning-evaluation process.

The teaching-learning-evaluation process of the Institute based on outcome based education is supplemented with industry week, add-on courses, activity based learning viz. Mind-map, jigsaw, quizzes etc.

To monitor the performance of students, centralized Mid Semester Tests are framed as per RBTL and mapped with COs giving 40% weightage to lower order thinking skills (LOTS) and 60% weightage to higher order thinking skills (HOTS).

Remedial classes are engaged for slow learners; advanced learners are rewarded with books and provided with career guidance & opportunities for industry engagement.

Faculty members actively participate in the assessment and evaluation process of IKGPTU theory/practical/thesis (PG/PhD) examination.

Students' feedback on faculty and Course Outcomes is conducted at the end of each semester, for all the courses, and the faculty members are motivated to improve the course delivery in the subsequent semesters.

To meet the industry requirements, feedback is taken from the stakeholders and the gap(s) in the curriculum are conveyed to the University through chairman/member BoS.

Teaching-learning and Evaluation

The institute provides conducive environment for overall development of the students. The academic activities of the institute are planned as per academic calendar of IKGPTU, Jalandhar.

Admission to various courses are done through centralized online counseling of the IKGPTU, Jalandhar, strictly on merit basis and in accordance with the reservation policy of Punjab Government. Admission to management-quota/vacant seats is based on the merit in entrance test and/or qualifying examination.

To provide individual attention and better learning, institute has maintained the required student-teacher ratio.

Well qualified and competent faculty adopts various innovative teaching & learning pedagogical methodologies to create the best learning experience for the students by using ICT tools.

Student learning is enhanced by adopting various methods such as role plays, activity-based learning, project-based learning and technical workshops. Regular industry weeks are conducted by inviting experts from the industry/academia to train the students on emerging technologies

The students are encouraged to take up the MOOCs for enhancing their knowledge. Regular assessment of students is examined through assignments, tutorials, quizzes, project works and two mid-term tests. Internal assessment report based on class performance and mid-term tests is prepared. Institute also has examination grievance committee to resolve the student's examination grievances in stipulated time.

Programme outcomes, programme specific outcomes and course outcomes for all Programmes are displayed at different locations and also on the institute's website for stakeholders' information. Institute follows OBE model in true spirit and targets higher levels of CO/PO/PSO attainment through direct and indirect methods.

Research, Innovations and Extension

DAVIET has been working extensively towards research, innovation and disseminating quality technical education. It is equipped with excellent facilities and rich library to enhance the knowledge and skills, which are important attributes for an Innovative Ecosystem. Research facilities comprising of machines, instruments, design tools and simulation software etc. provide platform for extensive research in conventional/emerging areas. In addition to regular curricular framework, our students have exposure to advanced research laboratory facilities that are set up through MoUs with leading multinational companies. As a result, our faculty/students have quality research/book/book-chapter publications and patents to their credit.

Centre for Incubation and Entrepreneurship (CIE) has been established in the Institution to nurture the innovative entrepreneurial ideas of the budding technocrats and to give them the necessary exposure to set up their ventures. The institution has eighteen functional MoU's to provide the field projects, internships and placement to the students.

Ministry of Micro, Small & Medium Enterprises, Govt. of India has recognized DAVIET, Jalandhar as Host Institution/Business Incubator under which the young Students/ Start-Ups can apply for the grant of up to Rs. 15 Lakh. Grant-in-Aid support up to Rs.1 crore has been approved to the DAVIET as a Host Institute. Workshops/Seminars are regularly conducted on skill enhancement, industry engagement and innovative practices.

NSS wing conducts various extension activities in the adopted villages' viz. Swachatta Abhiyan, Health Camps, Tree Plantation and Blood Donation drives.

The Institute has been awarded for its exceptional contribution in NCC and NSS activities.

Infrastructure and Learning Resources

The campus is located in the heart of Jalandhar city and spreads over a magnificent landscape with historic Burlton Park at its front. The institute has six multi-storied blocks, which are utilized for teaching-learning process having ramp, lift and escalator facilities for the convenience in general and support to the differently-abled persons in particular. Each block has spacious classrooms with ICT facilities, tutorial rooms, seminar halls, group discussion rooms, laboratories, workshops and faculty rooms. There are adequate spaces for supporting cultural (air-conditioned auditorium, convention hall, and central seminar hall) and sports activities including a sports complex, gymnasium and yoga centre. Sports and cultural activities are regularly organized at institute/university level. The Institute has two boys hostels, one girls hostel (with laundry facility) and a bank with ATM facility.

Learning Resource Centre at the institute comprises of a double-storied centrally air-conditioned Library with more than 34,637 bibliographic records of available books and has subscription of ninety print journals, fifteen general magazines and 5860 e-journals with book bank facility for needy students. The campus is Wi-Fi enabled with 512 Mbps leased line internet connection.

Training and Placement houses dedicated facilities for trainings, group discussions and interviews.

Fire extinguishers are adequately installed throughout the campus. The entire campus is monitored by CCTV. The equipment-to-student and computer-to-student ratio is maintained as per the statutory norms. Adequate budget is allocated annually towards infrastructure and its maintenance. Dedicated teams are deployed for preventive and corrective maintenance of IT, civil and electrical infrastructure.

Student Support and Progression

DAVIET provides essential support to the students for their holistic development and progression by providing following facilities:

- The institute offers free-ships/scholarships to provide financial assistance to the needy and eligible

students during their stay at the institute.

- Our students appear and qualify the national/ International level examinations like GATE, CAT, GMAT, IELTS etc. to pursue higher education and get admitted in the top institutes like IITs, NITs and other foreign institutes.
- Focusing on capacity building and skills enhancement, practices like soft skills development, student induction program, life skills activities, mentor-mentee system are followed by the departments.
- Training and placement cell regularly organizes expert lectures on career guidance, career opportunities and skills for success in competitive examinations.
- The students participate in the placement drives organized by the institute and get placed in the top companies around the globe.
- Our institute encourages participation of students in zonal/inter-zonal youth festivals and sports tournaments and has been the winner of zonal youth festival since its inception. Our institute bagged cash prize of 'one lakh' for outstanding performance in sports from IKGPTU.
- In order to ensure quick redressal of students' grievances, committees viz. anti-ragging, sexual harassment student grievance cells are fully functional.
- Institute has a registered alumni association which regularly conducts alumni meetings and interactions of alumni with the current students to pass on their talent and legacy. Alumni also make financial contribution to the institute. Institute has created online platform to remain connected with pass out students.

Governance, Leadership and Management

DAV Institute of Engineering & Technology, Jalandhar got established in the year 2000 by the DAV College Managing Committee New Delhi. This is a self-financed institute approved by AICTE, New Delhi and is affiliated to IKG Punjab Technical University, Jalandhar. It has been the policy of the Institute to groom leadership at various levels. The various functions in the Institute are decentralized.

For proper and transparent functioning of the institute, there are well defined rules and regulations, procedures, service rules etc. All the appointments in the institute are made as per the eligibility criteria laid down by the regulatory bodies/ affiliating university/state government.

The institute provides a number of welfare facilities to its teaching and non-teaching staff such as: Seed grant for minor projects, Academic leave for Ph.D. Course work and thesis writing, and maternity leave to quote a few.

The institute has proper mechanism to generate funds for smooth functioning of the institute. The institute prepares its annual budget before the start of the year. The budget includes the various revenue and capital expenditures and the sources from which the funds shall be raised in the coming year.

The IQAC also has the responsibility to apply for the accreditations and ranking by the various bodies. At present the institute is accredited by NAAC. Every year the institute participates in the ranking surveys of Competition Success Review and India Today.

The IQAC in association with Department of Academics receive the feedbacks from the various stakeholders i.e. students, faculty, alumni and employers.

Institutional Values and Best Practices

DAVIET lays great emphasis on Indian ethics, practices, Human-values, and ensures holistic development of students by regularly organizing activities viz. *HavanYajna*, spiritual Lectures/Seminars, Meditation/Yoga sessions, Motivational Talks, Workshops on environmental consciousness and mental wellbeing for the students, staff and society.

Committees have been formed to address gender-sensitive issues and to provide an all-inclusive environment of Mutual Respect, Security, Dignity, Safety, and Empowerment of women by organising various activities.

DAVIET adopts the motto of '**3Rs**'- **Reduce, Reuse and Recycle** to ensure health, hygiene, and environmental protection.

Proper waste management system by segregating degradable and non-degradable wastes and conversion of biodegradable waste into green manure along with E-waste management is in practice. Sanitary Napkin Vending Machines with Incinerators, Plastic Bottle crushing with recycling machine are also installed for maintaining proper hygiene and cleanliness.

Energy-Environment-Green audits conducted for analyzing the utilization and to identify judicious usage of all types of energy resources. For water conservation Rain Water Harvesting system and Open Recharge areas are created. A "Mini Forest" with Medicinal saplings has also been developed.

DAVIET organizes events viz. Swachh Bharat Abhiyan, Drug de-addiction awareness Campaign, Green campus initiatives – One Student One Tree, Ban on Plastic etc. DAVIET won certificate of appreciation from 'AICTE' under green campus campaign. The institute also celebrates Days of National/Patriotic importance, Awareness Programmes, Tribute to Martyrs & Heroes of Independence struggle.

Practices such as earn while you learn and waste management are the best practices whereas "industry engagement" is our distinctive practice.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	DAV INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	DAV Institute of Engineering Technology Kabir Nagar, Jalandhar-144008, Punjab
City	Jalandhar
State	Punjab
Pin	144008
Website	www.davietjal.org

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Manoj Kumar	0181-2343400	9478101102	-	principal@davietjal.org
IQAC / CIQA coordinator	Anil Soni	0181-2343401	8146100679	-	iqac@davietjal.org

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Punjab	The I.K. Gujaral Punjab Technical University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	02-06-2017	View Document
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	25-06-2021	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	Yes
If yes, name of the agency	Outstanding Technical Institution Award by NITTTR Chandigarh
Date of recognition	07-09-2018

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	DAV Institute of Engineering Technology Kabir Nagar, Jalandhar-144008, Punjab	Urban	11.6	42100

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Computer Science And Engineering	48	As per AICTE Notification	English	60	62
UG	BTech,Electronics And Communication Engineering	48	As per AICTE Notification	English	120	66
UG	BTech,Electrical Engineering	48	As per AICTE Notification	English	60	31
UG	BTech,Information Technology	48	As per AICTE Notification	English	60	60
UG	BTech,Mechanical Engineering	48	As per AICTE Notification	English	60	15
UG	BTech,Civil Engineering	48	As per AICTE Notification	English	60	33
UG	BCA,Computer Applications	36	XII standard	English	150	136
UG	BBA,Business Management	36	XII standard	English	120	60
UG	BCom,Business Management	36	XII standard	English	60	26
UG	BHMCT,Hotel And Tourism	48	XII standard	English	120	46
PG	Mtech,Computer Science And	24	Undergraduate in relevant branch	English	18	2

	Engineering					
PG	Mtech,Electrical Engineering	24	Undergraduate in relevant branch	English	9	0
PG	Mtech,Civil Engineering	24	Undergraduate in relevant branch	English	18	6
PG	MCA,Computer Applications	24	As per AICTE Notification	English	30	24
PG	MBA,Business Management	24	Under Graduate	English	60	60

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	14				25				129			
Recruited	1	0	0	1	8	4	0	12	55	40	0	95
Yet to Recruit	13				13				34			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				53
Recruited	28	8	0	36
Yet to Recruit				17

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				49
Recruited	13	3	0	16
Yet to Recruit				33

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	1	0	1
Ph.D.	1	0	0	8	4	0	18	11	0	42
M.Phil.	0	0	0	0	0	0	1	0	0	1
PG	0	0	0	0	0	0	29	15	0	44
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	1	0	0	1
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	7	12	0	19
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female	Others	Total
		24		0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	787	615	0	0	1402
	Female	322	62	0	0	384
	Others	0	0	0	0	0
PG	Male	52	17	0	0	69
	Female	106	4	0	0	110
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	67	46	89	67
	Female	40	11	17	22
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	71	83	189	31
	Female	13	12	20	8
	Others	0	0	0	0
General	Male	312	271	283	241
	Female	117	100	123	84
	Others	0	0	0	0
Others	Male	5	15	17	19
	Female	2	5	5	5
	Others	0	0	0	0
Total		627	543	743	477

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	DAVIET is a multidisciplinary affiliated institution IKG Punjab Technical University. Though we offer the curriculum in accordance with the affiliating university but we have significant representation of our faculty in various Board of Studies of the university where we are actively involved in curriculum planning. Apart from essential we provide exposure to conceptual understanding, integrative learning, critical thinking, creative problem solving and life skills to the students.
2. Academic bank of credits (ABC):	The institution is in the process to go for the autonomous status where the institution can register with the Academic bank of credits. The institute has

	<p>already established NPTEL Local Chapter and has appointed a “single point of contact” (SPOC) for facilitating the faculty and students to take up SWAYAM/ MOOCs offered by premier institutions of the country to enhance their technical skills. In future, the Institution will adopt Academic Bank of credits in accordance with the affiliating university and other regulatory bodies.</p>
3. Skill development:	<p>In order to address the skills mismatch, the Institution shall take up initiatives as envisaged in NEP-2020 towards skill development for the students. In association with IKG PTU, the Institution shall strengthen the curriculum with adequate skill development content. The institution has numerous functional MOU’s with various companies, professional bodies, and organizations to develop the skills to fill the gaps between the industry and academia.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>Imparting moral and ethical values to the students is already deep rooted into the culture of DAVs. “Human Values” is being offered as a compulsory subject to majority of the streams. In view of the NEP-2020 envision on teaching-learning in the Indian languages, the institution is already in process to float an environment where students can engage in teaching learning in Hindi also. However, the importance of communication in ‘English’ shall not be discouraged because of the nature of working environment for the engineering graduate demanding the same. The teaching-learning in local language shall be considered as an opportunity to curtail ‘dropouts’ from early stages of the program duration.</p>
5. Focus on Outcome based education (OBE):	<p>DAVIET has already put Outcome-Based Education system in practice and it is reflecting in the quality of teaching and delivery across various divisions and departments. The institution aims to follow the outcomes-based educations as to formulate graduate attributes, qualification descriptors, programme learning outcomes and course learning outcomes; enable prospective students, parents, employers and others to understand the nature and level of learning outcomes; maintain national standards and international comparability of academic standards to ensure global compatibility.</p>

6. Distance education/online education:	Being an affiliated institution, at present DAVIET does not have the flexibility to offer distance education courses but we encourage learning through distance/online mode for or students as well as faculty. However to the possible extent we have adopted learning management systems, existing e-learning platforms, content creation, digital repository, virtual labs and online engagement of lectures.
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Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, an Electoral Literacy Club was set up in September, 2021 as per directions from the district election administration in lieu of upcoming Punjab Legislative Assembly election to perform different SVEEP (Systematic Voters' Education and Electoral Participation) activities vide office circular reference number- DAVIET/1304 dated- 29/09/2021
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Vide office circular reference number- DAVIET/1304 dated- 29/09/2021 Co-ordinating faculty members: Dr. Ramnik Singh Randhawa: Assistant Professor, Department of ECE Mr. Rajesh Wadhwa: Assistant Professor, Department of ECE Dr. Bhupinder: Assistant Professor, Department of Applied Sciences Student Coordinators: Mr. Treyaan Sethi & Mr. Nitish Kumar (B.Tech. CE) - Student Coordinator Ms. Ruchika & Mr. Mohit Kumar (B.Tech. IT)- Student Coordinator Ms. Vanshika (B.Tech. ECE)- Student Coordinator Mr. Divyan Joshi (B.Tech . ME)- Student Coordinator Diya Sharma (B.Tech . CSE)- Student Coordinator
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	I) An awareness drive regarding 'Role of youth in Election's was organized on 24 August 2021 by ELC of the college under SVEEP (Systematic Voters' Education and Electoral Participation) initiative by Govt. of India. In this drive, live video conference was telecasted to the students in seminar room of the institute which emphasized the involvement of young population in democratic process of the country. II) With the aid of 'Department of cultural affairs', organized different competitions in the talent hunt event "Adharva" 2021 for the new entrants on theme of –“ Be Responsible Be a Voter” with the aim of

	<p>voter literacy on 27-28 October, 2021. Students from different departments took part in the events with full enthusiasm. . No limit was imposed on the number of events for participation per student. III) Dr Ramnik Singh Randhawa, Assistant Professor-ECE is serving as Election Supervisor since February 2022. He has been engaged in the following tasks given time to time by the election office of 036 Jalandhar North constituency: I. Conduct of Punjab Legislative Assembly elections at Booths 113-122 in February 2022 II. Electoral roll updation III. Instruct the Booth Level Officers (BLOs) for various tasks such as new voter registration, Deletion of ASD voters, filling of various election forms relating to voters etc. IV. Process of Linkage of Aadhaar card with voter card is going on since Aug 2022. V. Any other instruction given by the returning officer of Jalandhar North constituency is passed onto the BLOs and their progress is monitored.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>ORGANISED AN EXPERT TALK ON "ELECTORAL LITERACY" On 14th October, 2021 DURING STUDENT INDUCTION PROGRAMME-2021 An expert talk on "Electoral Literacy" was organized during the "Student Induction Program-2021" on 14th October, 2021. The expert talk was delivered by Ms Ashima Sahni, Head, Department of Political Sciences, KMV Jalandhar and SVEEP Nodal officer 36 Jalandhar North. The Chief Guest of the function was Ms Anupam Kaler, PCS (Deputy Director Urban Local Bodies), Jalandhar. The basic aim of the talk was to spread electoral awareness amongst the budding engineers so that they should become responsible and conscientious citizens of the nation. Ms Ashima Sahni, while speaking on the importance of electoral literacy stated that in India every citizen has the power to run the country by selecting the right representatives. She highlighted the fact that the voters should select the candidates wisely as a small error in judgment can send the wrong leader at the top. She also shared the fact that the young generation is not interested in the electoral process and need of the hour is to involve them actively in it. She highlighted the fact that the election commission of India started the SVEEP initiative to spread awareness in masses about the importance of voting.</p>
<p>5. Extent of students above 18 years who are yet to be</p>	<p>I) Voter Registration Camp was organized in our</p>

enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.

Institute's campus in association with 'District Election Officer' on 27/11/2021 in Convention hall of the institute to register the eligible voters. Office order was circulated to students in advance to register as voter online by filling the form no. 06 through NVSP (National Voters Service Portal) or Voter Helpline mobile App II) A SESSION ON "VOTER AWARENESS" ORGANISED ON 14/09/2022 DURING STUDENT INDUCTION PROGRAM - 2022 A session was organised for the new entrants of B.Tech. on the topic "Voter Awareness". The keynote speaker was Dr. Surjit Lal Sahota, Lecturer in English & Career Counsellor. He is District Assistant Nodal Officer (SVEEP & DAPO). The session started with the definition of democracy given by Abraham Lincoln which is "of the people, for the people and by the people". . He said that every citizen of a democratic country should be aware of the value of his vote. There should be awareness regarding votes in a democratic country. In India, if anybody whose age is eighteen or above eighteen, must register himself as a voter. For online registration of a voter, he/she can fill the voting form from NVSP (National Voters Service Portal). There is also a mobile app for the same which is Voter Helpline App. If a person of age of eighteen or above eighteen wants to register himself as a voter, he should fill the form-6 from the app. If the person of the same age wants to register himself as a voter but he is an NRI so he should fill the form-6(a) from the app. If we want to link our aadhaar card to our voter ID card so we should fill the form-6(b) from the app. Sometimes we are present at the location which has been registered on voter ID card but we still want to vote from another place. In that case we should register ourselves as a voter from the locality where we are. But according to the laws, a citizen can register himself from one locality only. In that case, we should fill the form-7 from the app. Sometimes we forget to add some very important details to our voter ID card. In that case, we should fill the form-8 for the correction. He advised the students that as a good citizen of our nation we should make sure that if we are eighteen years old or above eighteen so we are registered as a voter.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1965	1900	1874	1741	1726

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 148

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
108	122	114	111	114

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
230.63	190.2	350.93	274.92	523

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

- The Institute is affiliated with IKG Punjab Technical University, Kapurthala, and strictly adheres to the Curriculum, regulations, and syllabus framed by the respective Board of Studies (BoS), IKGPTU, Kapurthala.
- At the beginning of every semester, the academic calendar is framed by the Principal, Dean (Academics), Dean (R&D), and HoDs/HCDs following the academic calendar of IKGPTU, Kapurthala.
- HoDs prepare their department's academic calendar(s), including various activities, viz. industry week (an innovative approach of the Institute), technical workshops, Expert talks, etc., to be organized.
- Course allocation to the faculty members as per their expression of interest based on the faculty's core competencies, industry exposure, research interest(s), etc., is finalized by HoD and module coordinators.
- Institute follows student-centered academic planning and delivery approach using activity-based learning following Outcome Based Education (OBE).
- Course Review Committee meets thrice (start, mid, and end of the semester), and Program Review Committee meets annually to plan/review the curriculum planning and delivery.
- The subject in-charge prepares course file for each course, which elucidates all the information regarding the curriculum delivery plan with cognitive levels, course objectives, and course outcomes (COs) mapped with Program Outcomes (POs) and Program Specific Outcomes (PSOs).
- COs are also framed for the Student Induction Program at entry level, institutional training and semester end training after 2nd and the 4th semester respectively, semester training during the final year, expert lectures, and workshops conducted to target curriculum gaps; mapped with POs and PSOs.
- Various teaching tools/activities, viz. tutorials, quizzes, role-plays, crossword puzzles, mind-map activities, jigsaw activities, open-assignments, project-based learning, question banks, presentations, etc., are planned and conducted regularly.
- All these activities mapped with COs-POs with Revised Bloom's Taxonomy Levels (RBTL) targeting higher cognitive levels are made available on DAVIET LMS.
- Subject in-charge(s) use interactive teaching pedagogies such as PPT, NPTEL video lectures, glass board, and traditional chalk & talk.
- Every department conducts a mid-term evaluation of project work/ industrial training to review the same as per the standard procedure set by the Institute as a part of a continuous internal evaluation (CIE) system.
- Mid Semester Tests, announced by the Controller of Examinations, are framed as per RBTL and mapped with COs giving 40% weightage to lower-order thinking skills (LOTS) and 60% weightage to higher-order thinking skills (HOTS).
- Sample solutions for MSTs as per the rubrics are discussed with students.

- Advanced Learners attaining? 80% and slow learners attaining ? 40% marks in MSTs are identified.
- Advanced learners are rewarded with books, motivated to secure higher grades/university ranks, guided to register for additional MOOCs, and provided with career guidance and opportunities for industry engagement.
- Remedial classes are engaged for slow learners, and improvement in their academic performance is measured through subsequent MST/Make-Up Tests.
- CO-PO attainment is calculated using direct and indirect assessment methods, viz. CIE, end semester result, course/program exit survey.
- The departments conducted online classes and MSTs during the COVID-19 lockdown period and received an appreciation letter from the University.
- Institute is ranked among the top 35 institutes as per the PARAKH assessment out of 2088 AICTE institutions.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Response: 141

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

Response: 24.45

1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
231	34	686	440	860

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Response:

Gender: The Institution is well prepared to handle and respond to gender-sensitive issues and provides an environment where persons of all genders can work together with a sense of personal security and dignity. For this purpose, the Institute has setup Gender Sensitization Cell to engross awareness about gender issues and work towards creating an enabling environment of gender justice.

Human Values, Professional Ethics & Environment and Sustainability: DAVIET has signed an MoU with Heartfulness Education Trust to promote cooperation by organizing and conducting educational workshops for students' mental, spiritual, and psychological well-being and the desire to extend the basis for friendly and cooperative collaboration.

Our student 'Rachit Suri' of B. Tech. Mechanical Engineering won a Gold Medal in the 5th International Humanity Olympiad 2019.

To develop the emotional and spiritual feelings among the students and the faculty, Hawan Yajna is performed regularly to inculcate a sense of oneness and social harmony. It spreads positive vibes and is a scientifically proven method for purifying the environment.

The University has introduced compulsory papers on the Constitution of India, Human Values, and Professional Ethics, and Development of Society at the degree level across all engineering disciplines to create awareness and sensitize the students and employees to constitutional obligation.

All the students of DAVIET also study a course on Environment Studies as per the Curriculum, which gives them insight into environmental acts, the wildlife protection act, global environmental concerns, etc.

The institution has planted a Mini Forest with more than 900 tree-saplings of various trees apart from 500+ matured tree plants in the college and hostel campus premises to make the environment clean, beautiful, healthy, and sound resistant. An Herbal Garden with ten types of medicinal shrubs is also established in the Institute.

DAVIET facilitates implementing the action plan in "National Environment Policy 2006" on management aspects of hazardous waste, including their minimization, environmentally sound management, and active promotion of transfer and use of cleaner technologies. The Hazardous Waste is disposed of as per the standard procedure notified by the Punjab Pollution Control Board.

DAVIET follows the dictum of '3Rs'- Reduce, Reuse and Recycle. From the health, hygiene,

environmental and aesthetic points of view, the college ensures proper disposal of waste generated on the campus. Mixed waste is collected manually and segregated into biodegradable (wet) and non-biodegradable (dry) waste bins daily. The garbage (wet) of the Canteen and Hostels is disposed of in the composting plant prepared specially for this purpose.

E-Waste is collected at a central place and intimated to the Inspector of the certified agency to collect it for proper disposal by the approved vendors.

Sanitary Napkin Vending Machines are installed in the academic area and girls' hostel of the Institute to facilitate the hygiene of the girl students under SMART-MANUAL MISSION

Under SMART CITY MISSION, Manual Plastic Bottles Crushing and waste recycling machines are installed in the Institute.

The information about courses integrating crosscutting issues relevant to Human Values, Professional Ethics, Gender, Environment, and Sustainability is in the attached file.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 38.98

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 766

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)

Response: Yes

File Description	Document
Upload supporting document	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response: 67.25

2.1.1.1 Number of students admitted year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
627	543	743	477	503

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1005	975	1014	714	594

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

Response: 49.9

2.1.2.1 Number of actual students admitted from the reserved categories year - wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
198	172	336	150	176

2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
482	467	487	345	287

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2 Student Teacher Ratio

2.2.1 Student – Full time Teacher Ratio (Data for the latest completed academic year)

Response: 18.19

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

Response:

The Institute adopts many student-centric methods to enable learners to meet their learning goals and achieve academic success with the required competencies. The techniques such as experiential learning, participative learning, project-based learning, and problem-solving methodologies are used at various stages to enhance the learning opportunities for the students.

The teaching-learning process is made more effective with illustrations and ICT tools. We at DAV Institute of Engineering & Technology strongly believe experiential learning promotes the students' competencies by enhancing their knowledge through application. Through learning & doing, the learner is exposed to firsthand experience practicing what has been taught. It plays a crucial role in retaining concepts and ideas and advances learning. Experiential Learning methodologies followed in the institution are learning by doing mini projects, internships/industry-oriented mini projects, and finally, the major or capstone projects. It enhances their ability to solve complex engineering problems during their program of study.

Experiential Learning

ICT in teaching-learning: The classrooms have been equipped with different ICT tools to create a more 'student-centric' learning environment. The entire campus is provided with an internet line and Wi-Fi. The faculty adopts various innovative teaching and learning pedagogical methodologies to create the best learning experience for the student with the help of ICT tools such as projectors, smart boards, and other online tools for preparing presentations and demonstrations. These methodologies include traditional blackboard, whiteboard, teaching with chalk & talk, PPT presentations, video lectures, collaborative learning methods using Google classrooms, Microsoft teams, webinars, flipped classrooms, and moodle

based LMS, etc.; through these methods, the relevant concepts are demonstrated with the real problems, which enable students to grasp the concepts quickly. The lecture recording studio facility is readily used to record special lectures.

Online courses: Students are encouraged to cover the various learning levels such as NPTEL video lectures (repository available in the Library on the institute server), online courses from swayam portals, and online assignments, etc.

Participative Learning

Expert talks: To give deep knowledge into theoretical and industrial exposure related to practical problems, students are trained regularly on modern innovative technologies by organizing expert talks/ workshops from industry experts.

Activity-based learning: The courses demanded activity-based learning. All the UG courses have major and minor projects as their final-year curriculum subjects. The students are encouraged to work on projects using recent technologies.

Project-based learning: The students gain knowledge and skills by actively engaging in real-time and personally meaningful projects.

Problem Solving Learning

Assignments and tutorials: The Institute strictly follows the outcome-based education system. Teachers are following the Revised Bloom's taxonomy (RBT) levels to target the higher order thinking skills (HOTS) to enhance critical problem-solving skills. The faculty members give open assignments, tutorials, crosswords, and puzzles and conduct quizzes to assess the learning levels and attainment of course outcomes.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

Response: 69.99

2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
168	168	168	168	141

File Description	Document
Upload supporting document	View Document

2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 33.57

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
51	43	38	32	27

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The Institute has a transparent continuous evaluation system. Institute follows IKGPTU guidelines for the internal assessment of theory and laboratory. In addition, the institution follows the OBE model in true spirit and targets higher levels of CO/PO attainment. The performance of the students is monitored continuously in classrooms through mandatory quizzes at the end of every lecture/module, two compulsory mid-semester tests, daily lab performance, write-up and viva-voce, open-ended assignments, tutorial sheets, group discussions, industry week participation, industry tours and reports, internships, individual/group presentations, and minor/major projects, etc. The two mid-semester tests are conducted in-house in a centralized manner at the institute level by the Examination branch under the patronage of COE. Question papers of the mid-semester tests align with the university exams' pattern. The course outcomes and revised Bloom's taxonomy levels are indicated, targeting CO/PO attainment in the question papers, assignments, and tutorial sheets. Answer sheets are made available to the students and discussed after evaluation. Solutions of question papers and rubrics are also shared with the students. Students' progress reports are communicated to parents by post for their knowledge, and their feedback is obtained on the same. A record of the student's performance in the mid-semester test is duly maintained for monitoring the

student's growth in classes and mid-term exams. The final internal assessment is displayed on the department's notice board, justifying the level of transparency in the evaluation. The students who do not meet the mandatory attendance criteria are detained from appearing in the university exam. Make-up test(s) are conducted for students who participated in sports/cultural activity and for students with special cases (Medical). The Institute awards the students excelling in the University Exams/MST.

The college has also evolved a mechanism for the redressal of grievances related to internal/external evaluation, as follows:

Internal examinations:

All the internal exam-related grievances are transparent and time-bound. Students can raise their grievance to the Examination grievance committee/ Head of Department within seven days, and the same has been resolved by the concerned committee during the stipulated time.

Following are some grievances related to internal examination:

- Students can raise grievances pertaining to the internal assessment process.
- Students can raise the grievance regarding mid-term test evaluation.
- Students can raise the grievance regarding unfair means of conduct in the mid-term test.

University examinations:

Students can raise their University examination-related grievance directly to University on the IKGPTU student portal (www.ptuexam.com) or through the institute examination grievance committee.

Following are the grievance redressal regarding University Examination:

- Students can submit a grievance if they receive question papers, not on the syllabus.
- The student may file a grievance regarding the answer booklets evaluation process.
- The student can request a rechecking, re-evaluation, or challenge re-evaluation.
- The student has the right to make a grievance about the rectification of their personal information.
- The student can raise a grievance regarding the migration certificate, DMC, transcript, etc.
- Students may also express their displeasure with unfair means of conduct in university examination practices.
- Students can raise issues related to filling out university end-semester examination forms.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the

institution are stated and displayed on website and attainment of POs and COs are evaluated**Response:**

The institution follows the OBE model in true spirit. It targets higher levels of CO/PO/PSO attainment. Institute has well-defined Program outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) for all programs.

All Faculty members are familiar with the programs' POs, PSOs, and COs, as they are involved in the attainment of POs, PSOs, and COs evaluation process.

POs, PSOs, and COs are displayed for teachers and students at distinct locations such as:

- Institute website
- Principal Office
- HODs office
- Department News Letters
- Classrooms
- Faculty Rooms
- Department Corridors
- Department laboratories
- Institute libraries

Principal/HoD's/HCD delivers an address to all newly admitted first-year students in the induction program. During their address Institute's vision, mission, and program outcomes are stated. Every course teacher discusses course objectives and outcomes with students at the beginning of each semester. POs, PSOs, and COs are also a mandatory part of the course file, prepared by course teachers. POs, PSOs, and COs are also included in the course files of each subject. Mapping of POs, PSOs, and COs is also done with the Curriculum, mid-term examinations, assignments, tutorials, and any other academic activities performed in the department.

Institute has a well-defined Academic manual, which explains the Attainment of COs/POs/PSOs evaluation process precisely.

Attainment of COs/POs/PSOs is evaluated using direct and indirect methods framed by the Institute.**Program outcomes:**

Program Outcomes (POs) describe what students are expected to know and be able to do by graduation. In addition, the program will specify 2-4 Program Specific Outcomes (PSOs). The attainment refers to knowledge, skills, and behaviours that students will acquire.

Course outcomes:

These describe the students' attainment of the outcomes at the course completion time. Institute adopted the COs framed by the affiliating University in their Curriculum,

Attainment of Course Outcomes

COs attainment is calculated through

1. Direct attainment - Weightage 80 %
2. Indirect attainment - Weightage 20 %

Direct Attainment: Direct attainment of course outcomes is measured through internal assessment and semester end examination

Target:

40% weightage considered for internal assessment

60% weightage considered for semester-end examination

Attainment levels: Individual departments have their attainment level setup criteria

Indirect Attainment:

A course exit survey is considered for CO indirect attainment

Attainment of Program Outcomes:

Direct Attainment:

For each PO and PSO, the attainment value of a course that contributes to the PO/PSO is Computed as follows:

Course PO Attainment = Average CO to PO Relevance/3(Maximum Value) * Course Attainment

Indirect Attainment:

The following assessment tools are used to compute the indirect attainment

1. Exit Survey
2. Alumni Survey(optional)

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2 Pass percentage of Students during last five years

Response: 92.37

2.6.2.1 Number of final year students who passed the university examination year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
327	481	509	526	567

2.6.2.2 Number of final year students who appeared for the university examination year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
464	502	522	541	580

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.7 Student Satisfaction Survey**2.7.1 Online student satisfaction survey regarding teaching learning process****Response:** 3.16

File Description	Document
Upload database of all students on roll	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 17.39

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
8.446	2.9040	2.18	1.935	1.925

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

Infrastructure and Academic Alliance

The institution is well equipped with state-of-the-art technical facilities to enhance knowledge sharing and skill development which is essential for an Innovative Ecosystem. Research facilities comprising machines, instruments, design tools, and simulation software provide a wholesome facility for extensive research in conventional and emerging fields. In addition to the regular curricular framework, our students have exposure to advanced research laboratory facilities set up through MoUs with leading multinational companies.

Centre for Incubation and Entrepreneurship

Centre for Incubation and Entrepreneurship (CIE) has been established to nurture budding technocrats' innovative entrepreneurial ideas and give them the necessary exposure to set up their ventures. CIE aims at making job givers engineers and managers rather than job seekers. The aim is to improve the survival and growth of new start-ups.

Innovation Council

Institution's Innovation Council (IICs) focuses on creating a vibrant local innovation ecosystem. It encourages, inspires, and nurtures young minds by supporting them to work with new ideas, develop their ideas into prototypes, and transform them into commercial products. Significant Functions of IICs include innovation and entrepreneurship-related activities, identifying & rewarding innovations, sharing success stories, organizing periodic workshops/ seminars/ interactions with entrepreneurs, investors, and professionals to create a mentor pool for student innovators, establishing network with peers and national entrepreneurship development organizations, organize Hackathons, idea competition, mini-challenges, etc. with the involvement of industries.

Host Institution/Business Incubator

Ministry of Micro, Small & Medium Enterprises, Govt. of India has recognized DAVIET, Jalandhar as a Host Institution/Business Incubator under the scheme "Support for Entrepreneurial and Managerial Development of SMEs through Incubators" of the region under which the young Students/ Start-Ups can apply for the grant of up to 15 Lacs to the MSME through DAVIET. Grant-in-Aid support up to Rs.1 crore as a Host Institute (HI) for procurement and installation of relevant plant and machinery to strengthen the technology-related R&D activities of Business Incubators.

Industry Engagement Strategy

Institute has developed a well-defined industry engagement strategic plan working out a specific & targeted strategy for identified vision elements in respect of each department realizing its core strengths to bring industry and the world of academia together for mutual benefits. Under this policy, the Institute and corporate partners are working together in a continuum of projects and activities viz. industry internships, sandwich placements, work shadowing, sponsored research, curriculum development, industrial visits, Capstone projects, lean management, etc.

Research, Innovation, and Consultancy

For any institute, scientific research, innovations, and consultancy are vital for quality engineering education, where faculty & students can apply their knowledge to innovate & invent. The Department of Research Innovation and Consultancy (RIC) strives to fetch funded projects from AICTE/Government agencies and industries to encourage research and development.

Intellectual Property Rights

Institute facilitates faculty and students to develop innovative ideas/projects. It helps them file patents for their inventions to attract industrial investments to convert their prototypes into commercially viable products. The Principal and many Faculty members of the Institute have filed/published/secured patents in recognition of their contribution to education, research, and cutting-edge technologies.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years**Response:** 55**3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
26	10	11	6	2

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards**3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years****Response:** 1.62**3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
53	42	67	41	37

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**Response:** 0.39**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in**

national/ international conference proceedings year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
13	16	13	4	11

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.4 Extension Activities**3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.****Response:**

- The institution promotes a sense of social responsibility amongst the students through various extension activities for the neighboring villages/areas.
- Under “Unnat Bharat Abhiyan (UBA),” DAVIET adopted four villages of District Jalandhar, wherein students and faculty, in collaboration with the District Administration, organized activities like “Say No To Single Use Plastic,” “Say No To Drugs,” and Awareness Campaigns for Water Conservation.
- The Head Department of Civil Engineering is a member of the City Level Technical Committee (CLTC), Smart City Jalandhar, as technical support to the district Administration for making the City “Smart City” Jalandhar. He has also been chosen as a member of the Project Monitoring Committee (PMC) for the Bio mining of the landfill site in Jalandhar City.
- The team of the Civil Engineering department grabbed a consultancy project worth 33.62 lacs in 2020 related to the Non-destructive Testing of Over Head Service Reservoirs (31No) in Amritsar City for Smart City Amritsar. The work was allotted by the Project Monitoring Committee of Smart City Amritsar.
- The Department of Civil Engineering got a consultancy from the Municipal Corporation Jalandhar related to the testing of road materials in June 2020. It was a joint effort to keep a watch on the quality of road construction materials used for Jalandhar City.
- The Department of Civil Engineering completed a consultancy project in December 2019 from M/S Kiranotech Engineering related to Junction Improvement & Smart underground multilevel car parking for proposed Smart City Saharanpur. The same company offered another consultancy project related to Prayagraj City (U.P) for Primary Survey and Data Analysis required for corridor Improvement for Identified Area in Prayagraj.
- NSS wing of DAVIET, in collaboration with the American Society of Civil Engineers (ASCE) – Student Chapter, DAVIET has started the “Keep Clean, Go Green” drive under ‘Mission Fateh’ in which Herbal and Medicinal properties-based trees were planted within the Institute.
- Under ‘The Mission Education for all’, students of our Institute are helping children from economically weaker students/slum areas by engaging them in teaching-learning activities (after

college hours). The stationary and other materials needed daily are being arranged through contributions from faculty/staff and student volunteers.

- The NSS Unit of DAVIET, in association with Knowledge Villa Integrated Education Welfare Society (KVIEWWS) **Blood Bank Amritsar**, organized a Blood Donation Camp on 9th March 2022. Enthusiastic DAVIETians donated more than 100 units.
- The institution is amongst a few institutes identified as a potential center for conducting competitive examinations like NEET, Punjab Public Service Commission (PPSC), etc.
- DAVIET has been entrusted with the responsibility of maintaining the upkeep & greenery of the central verge of the highway between Workshop Chowk and the Railway over bridge (ROB). It is an initiative by Municipal Corporation, Jalandhar, towards a Clean and Green City. DAVIET has also maintained a green belt in front of the ROB under the Smart City mission.
- The architectural design provided by DAVIET has been adopted for decorating the Rotary intersection, BSF chowk, Jalandhar, with three Tricolor rings signifying Indian Heritage.

File Description	Document
Upload Additional information	View Document
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3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

Response:

DAVIET has been working extensively in cutting-edge research and innovation and disseminating quality technical education. Additionally, it is committed to promoting the holistic development of students in accord with the rich Arya Samaj ideals and culture, bringing about a positive change in society. The institution is involved in many extension activities, and government-recognized bodies have appreciated and awarded the institution for the same. Following is the list of awards and recognitions received by the institution:

- Punjab Technical University has awarded DAVIET the “Best Engineering College” award out of its 108 Engineering Colleges.
- DAV Institute of Engineering and Technology made it to the elite league of best engineering colleges in the country, ranked 15th in the nationwide survey of Best Private Engineering Colleges of North India by India Today-MDRA Survey. The Institutions in the fray were evaluated in the core domains of Infrastructure and Quality Governance, Academic Excellence, Infrastructure and Living Experience, Personality and Leadership Development, and Career Progression and Placement.
- DAV Institute of Engineering & Technology has been ranked as the top college of Engineering and awarded the certificate of excellence for exemplary contribution to Higher Education at the 10th Higher Education & Human Resource Conclave, Chandigarh.
- It was a proud moment for the DAVIET fraternity as the worthy Principal Dr. Manoj Kumar received the award of appreciation from Honorable Rana Gurmit Sodhi, Sports Minister, Government of Punjab, in the presence of Sh Varinder Kumar Sharma, IAS, Deputy Commissioner,

Jalandhar, and Sh. Parveen Kumar Sinha, IPS, Commissioner of Police Jalandhar, on Independence Day celebrations for outstanding contribution to education and various national programs.

- The district administration has awarded the Institute many awards for its contribution to education & social welfare. The Institute has garnered myriad international and national achievements in cultural activities and has been the winner of the zonal youth festival since its inception. Commendable achievement in sports at National & International levels. DAVIETians got many awards in various All-India competitions organized by IITs, NIT & IIMs, etc.
- The Head Department of Civil Engineering is a member of the City Level Technical Committee (CLTC), Smart City Jalandhar, as technical support to the district Administration for making the City “Smart City” Jalandhar. He has also been chosen as a member of the Project Monitoring Committee (PMC) for the Biomining of the landfill site in Jalandhar City.
- Swachh Bharat Abhiyan- or Clean India mission - is a nationwide campaign that strives for cleanliness and hygiene.
- DAVIET held several events to make our youth aware of cleanliness, hygiene, environmental degradation, and sustainability.
- One Student – One Tree initiative: NSS wing of our Institute has organized a Tree Plantation Drive under “One Student – One Tree initiative” of AICTE in Burton Park on 8th August 2019 for Clean and Green Environment. 1100 Saplings of different plants were planted to support the green belt around Institute.
- The Institute was awarded an appreciation certificate for outstanding performance and contribution of exceptional order in promoting NCC and Social Services activities by ADG Punjab, Haryana, Himachal Pradesh, and Chandigarh.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years

Response: 23

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
7	7	2	2	5

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.5 Collaboration

<p>3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.</p> <p>Response: 18</p>	
File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

The Institute is spread over an area of 11.6 acres with state-of-art infrastructure. It houses multi-storied buildings divided into six blocks used for teaching-learning. The Institute has classrooms with proper ventilation and ICT facilities, workshops, well-equipped laboratories, seminar halls, a centrally air-conditioned auditorium, a convention hall, and a central library.

The Institute has a state-of-the-art computer center located in the core block. The campus has BSNL 512 Mbps leased line for wired internet service. The whole campus is Wi-Fi enabled. 680 PCs are available for academic purposes and various administrative offices. Licensed software is installed on college servers having huge storage and processing capabilities. Network Security is implemented through the firewall, and IT equipment is updated regularly. SWAYAM- NPTEL, MOOCS and internet resources are accessible to interested students to help them in self-learning.

The number and area of the class rooms and equipments in the Laboratories meet the AICTE norms. The Institute has a double-story centrally air-conditioned Library (650 sqm on each floor). The Library caters to book sections, e-journals, e-books and databases, e-learning, and reading rooms. There are two separate, spacious, and well-maintained boys' hostels and one girls' hostel with a laundry facility. The college also provides a residential facility for the Principal and a well-furnished guest house for visitors.

For the benefit of the students and employees an ATM through Punjab National Bank has also been set up inside the campus. Fire extinguishers are also installed at different locations in the campus.

Facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga center, etc.:

The Institute boasts of sports infrastructure, including a sports complex (outdoor and indoor), gymnasium and yoga center. The college has an air-conditioned auditorium, a convention hall, and a central seminar hall for various cultural activities.

Sports Facilities:

The Institute understands the vital role of sports in students' grooming and overall development. The Institute has also signed MOUs with DAV College, Jalandhar, and HMV, Jalandhar, for the usage of their sports facilities by the students of DAVIET. The sports facilities available for the students include:

Outdoor Games- The Institute has a well-maintained athletics track and playgrounds for outdoor sports like cricket, football, basketball, volleyball, and swimming.

Indoor Games- The indoor games facilities at our Institute include Table-tennis, two Badminton wooden courts, Carom boards, Chess, and Billiards.

Gymnasium-Well-equipped Gymnasiums are available in the hostels for students and faculty.

Facilities for Cultural activities:

Dedicated facilities are created to encourage cultural activities on campus.

Auditorium

The Institute has a centrally air-conditioned auditorium with a seating capacity of nine hundred.

Convention Hall

The Institute houses a centrally air-conditioned convention hall with a seating capacity of three hundred.

Central Seminar Hall

ICT-enabled unique seminar hall is provided for the students to prepare and practice for various literary events.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

Response: 29.11

4.1.2.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
25.52	38.16	103.79	55.17	234.34

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

Response:

The Library uses the e-granthalaya software package, an integrated multi-user library management system that supports all in-house operations of the Library. The e-granthalaya consists of modules on acquisition, cataloging, circulation, serials, article indexing, and OPAC. Retrospective conversion of bibliographical records has been completed, and more than 34,637 bibliographic records of books available in the Library can now be accessed through the e-granthalaya OPAC. Also, all the books have been bar-coded to enable full automation of the Library. DAVIET Library is one of the best equipped in terms of the number of books, back volumes, and current journals subscribed. DAVIET has also signed MOUs with NIT, Jalandhar, and NIT, Delhi, to use the resources available at their Library. The Library is fully computerized with cutting-edge technologies and online knowledge archival system.

Collections:

The Library has a rich collection of books on science and technology, including Chemistry, Physics and Mathematics, Civil Engineering, Computer Science Engineering, Information Technology, Electronics, Communication Engineering, Management, and Electrical Engineering. Books for professional reading, research, and supplementary texts are kept in this collection.

Journals and Magazines:

Central Library has a subscription to ninety print journals with professional and research orientation. Fifteen general magazines are also subscribed. Various e-journals can be accessed from the Library, which provides approximately 5860 Journals in many disciplines. The Library has a subscription to several daily newspapers, including the languages Hindi and Punjabi.

Previous Year Question Papers:

Question papers from past years are available at the helpdesk for reference. You can make photocopies of relevant papers on a charge basis.

Book Bank:

Book bank facility is also provided to the students whose parent's income is less than Rs.7000/- per month. The facility is meant primarily for undergraduate students of weaker sections allowing the lending of textbooks for the whole semester.

Electronic Library

A library without limits is the unique feature of the DAVIET library. The Library has established access to many online and CD-ROM-based electronic information resources, such as bibliographic databases and electronic journals.

Reference – The Reference Desk is located in the Library. Queries related to the availability of books, fine collection & Bar-coded Library membership cards are handled by the person in charge.

Photocopying – One photocopying machine is in the glass enclosure in Library to cater to the photocopying needs of the students.

News track (Newspaper clippings from daily Newspapers) – Daily newspapers including The Times of India, The Hindu, Indian Express, The Tribune, Hindustan Times, Aajit, Economic Times, Dainik Bhaskar, Amar Ujala are scanned for articles of interest and are filed under broad subject categories. These are displayed in the reading hall of the Library.

Reservation of books – Books available in the Library that are issued to other members can be reserved using this service.

Galileo Meridian Digital Library: The Library has hundreds of valuable and important e-books, journals, research papers, patents, and conference papers, as well as materials for the staff and students to enhance their knowledge of the latest updates in the field of Science and Technology.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Response:

The Institute aims to provide its students with comprehensive IT facilities so they can utilize these resources to the fullest and achieve their desired goals. Institute provides the login credentials of the Institute Wi-Fi network to every student so that they can access the internet facility. Every department has two classrooms equipped with LCD projectors supported by audio-visual systems. Our Institute website provides all the relevant information about the upcoming events and their successful completion, along with pictures and reports. A CCTV facility monitors the entire campus. The institution frequently updates its IT facilities, including Wi-Fi, as and when there is a requirement by different departments.

The Institute has 680 desktops with configuration i5/8GB/1TB, i5/4GB/500GB, AIO/2GB/500GB, C2D/2GB/250GB, P4/512MB/80GB etc. Out of these 680 desktops, 668 are used for academic purposes, connected through 512 Mbps wired and Wi-Fi internet.

The Computer Laboratories in different departments of the Institute are equipped with more than 30 licensed software/simulators/tools.

All computers on the campus, including UG, PG, and Girls' hostels, are connected to the internet through the Local Area Network via Fiber Optic Cables.

Institute has internet accessibility of 512 Mbps (1:1), a full duplex leased line through an optical fiber.

A dedicated technical support team monitors and maintains the hardware, software, and network issues. This team is also responsible for installing and configuring computer systems, diagnosing hardware and software faults, and managing computer center operations, Institute network, and computer labs.

Updation in IT facilities

Institute purchased various computer components worth approximately 12 lakh in 2017.

Institute purchased antivirus worth approximately 1.96 lakh, Approximately 2.12 lakh, and approximately 1.93 lakh in 2017, 2018, and 2019 respectively. 40 desktops were upgraded/added, costing 14.30 lakh in 2019.

Institute purchased firewall/ cyber roam software worth approximately 5.58 lakh for three years in 2019.

Institute purchased various computer components worth approximately 2.10 lakh in 2020-21.

Institute signed a Microsoft campus agreement under cloud Technology worth 3.74 lakh in 2018, 4.43 lakh in 2019, 3.31 lakh in 2020, and 4.22 lakh in 2021 approximately.

Institute purchased internet services (leased line) from CONNECT worth approximately 10.77 lakh in 2017-18.

Institute purchased internet services (leased line) from Bharat Sanchar Nigam Ltd.(BSNL) worth approximately 10.22 lakh in 2018-19, 8.25 lakh approximately in 2019-20, 6.86 lakh approximately in 2020-21, and 6.46 lakh approximately in 2021-22.

File Description	Document
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4.3.2 Student – Computer ratio (Data for the latest completed academic year)

Response: 2.94

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 668

File Description	Document
Upload supporting document	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)

Response: 65.94

4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
135.29	126.22	240.49	243.68	289.43

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

Response: 20.86

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
583	353	404	307	273

File Description	Document
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Institutional data in the prescribed format	View Document

5.1.2 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 14.28

5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
373	182	226	280	254

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

5.2 Student Progression

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 54.74

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
374	202	237	295	261

5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
421	489	509	523	559

File Description	Document
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Institutional data in the prescribed format	View Document

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 38.89

5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	4	6	7	4

5.2.2.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	13	14	15	12

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 221

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at

national/international level (award for a team event should be counted as one) year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
20	0	83	60	58

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 16

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
16	04	24	23	13

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

DAVIET has established a strong alum network. Our alums have huge aspirations and have devoted their heart and souls to making their Institute proud. By performing influential roles as a member of the DAVIET family, the alumni association functions as a binding factor to further fortify the visualization and the implementation of the Institute's vision and goal. The alumni association was established to efficiently use our alums' experience and expertise to pass on their talent and legacy to their juniors and the Institute by serving as role models and torchbearers of DAVIET. The alumni association is led by an executive

body consisting of a patron, president, vice president, secretary, treasurer, and executive members with the following vision and mission.

Vision:

To perpetuate the tradition of quality, holistic excellence as an umbrella organization to amalgamate alumni with the alma mater.

Mission:

Apart from enhancing technical and academic collaboration, alumni association aims at fostering intellectual and emotional fellowship to further strengthen the fidelity, positive goodwill, and interaction with alma mater with the zeal to help the institution for being the center of excellence.

Objectives:

- To establish a sustainable network of globally spread DAVIETians.
- To provide a forum to enable the alums to keep in contact with their alma mater and one another.
- To utilize the expertise and resources of alums for the all-round development of the Institute.
- To receive donations from alums to enhance infrastructural facilities in the Institute.
- To award scholarships, prizes, and medals to the poor and meritorious students with contributions from alums.
- To enhance Library and laboratory facilities with the assistance of alums.
- To create career opportunities for the present and the past student through interaction with resourceful alums.
- To organize seminars, conferences, and expert lectures to share alums' knowledge and experience.
- To organize an annual convention of alums with social, literary, and cultural programs.
- To confer honorary awards or other distinctions to distinguished alums.

To remain connected with the alums and students, a comprehensive web portal and network, i.e., AlmaBay, is used by the Institute. AlmaBay is a comprehensive web portal that is quite effective for engaging and enhancing connections with and among all our stakeholders.

Our graduates work in various multinational companies in India and abroad. Moreover, many former students are working in top positions in companies with great determination and dedication to excel in their field of expertise. To remain connected with our graduated students, the Institute has created online communities on various platforms such as LinkedIn and Facebook.

LinkedIn: <https://www.linkedin.com/groups/10542272/>

Facebook: <https://www.facebook.com/davietjal.org/>

Besides these options, the alums can contact for any queries or suggestions at:

<https://alumni.davietjal.org/> & alumni@davietjal.org

Activities conducted by Alumni Association

- Conducting annual alum meetings
- Conducting alum lecture series

Financial contribution by alums during the last five years:

Alumni contribution during the last five years (INR in Lakhs) (2017-18, 2018-19, 2019-2020, 2020-21, 2021-22).

Batch	Amount in INR (in lakh)
2017-2018	4.48
2018-2019	4.41
2019-2020	4.45
2020-2021	2.92
2021-2022	3.27

File Description	Document
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Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance

Response:

Vision

To attain the coveted status of a growth-oriented resource of national importance known for quality professional education, research, and innovation. (Revised 2015)

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 and moral values. (Revised 2015)

Core Values

- Integrity
- Competence
- Creativity
- Innovation
- Trust
- Excellence
- Community

Objectives

- To provide an academically ambient environment for its stakeholders to develop as technologically superior, socially conscious & nationally responsible citizens.
- To generate an industry-oriented competent workforce to meet the needs of globalization and cut-throat competition.
- To provide state-of-the-art equipment for R & D facilities in specific areas of Engineering & Technology for intra-mural research & development, education, and training.
- To provide effective linkage between industry and our Institute for sponsored research and consultancy.
- To ensure regular up-gradation of knowledge and skills of faculty to keep pace with the fast-changing technology.
- To acquire national and international accreditation.
- To develop centers of excellence in the emerging areas of technology.
- Fusion of learning with the universal spirit of common good ethics and Vedic preaching.

The Institute is managed by DAV College Trust & Management Society, New Delhi, its apex body. The Principal of the Institute is the administrative and functional Head of the Institute. The respective HoDs and the Principal guide the faculty of the Institute in undertaking various academic and administrative tasks. The faculty members are encouraged to keep themselves updated. The Institute sponsors faculty for attending the Faculty Development Programmes, Refresher Courses, Orientation Courses, International and national conferences, seminars, workshops, etc. In-house training is also arranged for the faculty sometimes. The faculty members are allowed to use the institutional infrastructure for carrying out consultancy and research work.

It has been the policy of the Institute to groom leadership at various levels. The multiple functions in the Institute are decentralized. The Heads of various departments have complete autonomy as far as the functioning of the department is concerned. The HoD can allocate teaching load to the faculty, organize conferences, seminars, and FDPs, sanction faculty leave, and purchases up to Rs. 50,000/- in a financial year and limited to Rs.10,000/- for a single purchase. The important portfolios are occupied by the faculty members such as Dean (Academics), Dean (Research, Innovation, and Consultancy), Dean(Students Affairs), Dean (Faculty Development), Dean (College Accreditation), Controller of Examinations, Head Training and Placement, Chief Hostel Warden, Sports President, Director-IQAC and Nodal Officer (NSS) to quote a few. The faculty members are represented on the various committees of the Institute, such as the Sports Committee, Cultural Committee, Publication Committee, Grievances Redressal Committee, Women Cell, Internal Complaints Committee, Purchase Committee, etc. The staff members of the Institute manage the different departments such as administration, accounts, stores, establishment, etc.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

Response:

DAV Institute of Engineering & Technology, Jalandhar, was established in 2001 by the DAV College Managing Committee New Delhi – the largest non-governmental chain of educational institutions in the country since 1886 with 900+ institutions in the breadth and length of the country. This is a self-financed institute approved by AICTE, New Delhi, and affiliated with IKG Punjab Technical University, Jalandhar.

The apex governing authority of the Institute is the Governing Body. The Governing Body's composition follows the All India Council for Technical Education (AICTE) norms. The Governing Body is headed by the chairman, who is the president of the DAV College Managing Committee. The Principal of the Institute is the Member Secretary of the Governing Body. The meetings of the Governing Body are held from time to time. The major decisions are taken at the level of the Governing Body, and the decisions

taken by the Governing Body are implemented/ executed at the institute level. The Principal of the Institute makes routine and tactical decisions.

For the proper and transparent functioning of the Institute, there are well-defined rules and regulations, procedures, service rules, etc. All the Institute appointments are made per the eligibility criteria laid down by the regulatory bodies/ affiliating university/state government. For the appointment of the faculty, the guidelines issued by the affiliating University, i.e., IKG Punjab Technical University, are followed. The appointments are made through a properly constituted selection committee comprising management representatives, external experts, university nominees, and the Principal. All the selections are made in a fair and transparent manner and purely based on merit. The vacancy advertisement is published in at least two national newspapers.

The Institute has developed a strategic plan for the next three years, i.e., 2022-2025. The main objectives of the strategic plan include: acquiring accreditation from national and international agencies, imparting necessary skills to students to meet the expectations of the industry and achieving brimming placements by providing adequate job opportunities, encouraging research and consultancy work, inculcating the spirit of entrepreneurship among the students, improving and updating physical infrastructure and laboratories, improving the public perception of the Institute, helping the students in developing holistic personalities enabling them to become leaders with problem-solving abilities, enhancing and improving the teaching-learning process and improved industry-institute interaction.

The Institute will strive hard to achieve all the goals of the proposed strategic plan within the stipulated time.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2.2 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures and Performance Appraisal System for teaching

and non-teaching staff

Response:

The Institute provides many welfare facilities to its teaching and non-teaching staff. Some of the welfare measures are discussed below:

Seed Grant for Minor Projects:

SEED grant amounting to Rs.10.00 lakhs every year and limited to Rs.1.5 lakh for minor projects to the faculty of the Basic Science/Engineering & Technology, Management & Environmental Sciences department and SEED Grant up-to Rs. 0.75 lakhs for the Humanities department.

Contributory Provident Fund

Gratuity Facility to all eligible employees

Casual Leave, Medical Leave, and Earned Leave

ESI Facility to all the eligible employees

Maternity Leave

Maternity leave with pay of up to six months is granted to the female employees of the institution.

Free Medical Facility in the institute Health Centre

Academic Leave for Ph.D. Course Work and Thesis Writing

The Institute grants academic leave with pay to its faculty members for attending the Ph.D. course work and writing thesis dissertation.

100% Tuition Fee Waiver for the wards of the employees

Leave and Financial Sponsorship for attending FDPs, Workshops, and Conferences:

The Institute faculty members are allowed to avail of the leave and provided financial assistance for attending FDPs, workshops, conferences, and short-term training programs in India and abroad.

Crèche Facility for the children of the Institute's employees

Medical Allowance as per the rules

Performance Appraisal

The core objective of the performance appraisal system is to understand and evaluate the job performance of the staff.

Performance Appraisal of Teaching Staff**Knowledge of the subject****Answering queries from the students****Interaction between teacher and students****Quality of the assignments****Regular engagement of students in classes****Encouragement by the teacher for extra reading**

The faculty must do the self-appraisal before the due date of the annual increment. This appraisal is done for both semesters, i.e., odd and even semesters. The areas covered in the self-appraisal include:

1. **General information:**
2. **Performance of the students in the internal/external examination in the subjects taught by the teacher:**
3. **Examination work done for any university: Performance of Additional Responsibilities.**
4. **Contribution to interaction with the industry:**
5. **Teaching, Learning, and Evaluation related activities:**
6. **Co-curricular, Extension, and Professional Development associated activities:**
7. **Research, publications, and academic contributions:**
8. **SWOC analysis and self-appraisal by the faculty:**

The Head of the Department has to give comments on the overall appraisal ranging from average to outstanding. The concerned HoD also has to provide the Annual Confidential report. The appraisal proforma, after comments of the Head of the Department, is forwarded to the Principal for comments and final signatures.

Performance Appraisal of Non-Teaching/Supporting Staff

The performance appraisal of the non-teaching/supporting staff is done annually before the **staff increment** becomes due. The annual increment is done after the recommendation of the concerned Head of the Department/Section head. The increment is granted after the orders of the Principal.

File Description	Document
Upload Additional information	View Document
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6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 3.51**6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	2	5	13

File Description**Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)**6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years****Response: 11.31****6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
14	22	14	0	43

6.3.3.2 Number of non-teaching staff year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
49	51	51	51	51

File Description**Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Mobilization of Resources

The Institute has a proper mechanism to generate funds for the smooth functioning of the Institute. The Institute prepares its annual budget before the start of the year. The budget includes the various revenue and capital expenditures and the sources from which the funds shall be raised in the coming year.

- Student Fee collection: The various types of fees include admission fees, tuition fees, hostel fees, development funds, annual charges, etc.
- Grants from various agencies: The Institute receives grants from various government and non-government agencies such as DST, AICTE, Punjab State Council for Science and Technology, Entrepreneurship Development Institute of India, IKG Punjab Technical University, etc.
- Income from Consultancy: The faculty of the Institute provides consultancy to the government and non-government organizations. The consultancy fee received is shared by the Institute and the faculty.
- Financial Assistance from Management: The Institute receives financial assistance from the Management, i.e., DAV College Managing Committee, as and when required.
- Rental Income: The Institute has rented a building to Punjab National Bank, and monthly rent is received from the bank. In addition, the Institute gets contract money from the canteen and tuck shop contractors.

Optimal Utilization of Resources

The Institute follows a proper monitoring system for the optimal utilization of resources. There is a system of prior approval for incurring any expenditure. Significant purchases are made by following a rigorous procedure such as initiation of requirement, approval, inviting quotations, issuing purchase order, receipt of the material, an inspection of the material, entry of the material in the stock register, issue of the material to the concerned department and payment of the invoice to the vendor.

The funds mobilized by the Institute are spent on various recurring and non-recurring heads. Some of the significant expenditure heads include:

- Salary of teaching and non-teaching staff
- Payment of electricity bill
- Vehicle running and maintenance
- Infrastructure development and maintenance
- Purchase of Stationery
- Faculty Development
- Purchase of library books and subscription to journals
- Insurance expenses

The institution conducts internal and external financial audits regularly. The accounts department follows a

very meticulous procedure for all the financial transactions taking place. Every transaction is verified by the accounts in-charge of the Institute and approved by the Principal. The proper checking mechanism is followed in the Institute. The internal audit is conducted by the DAV College Managing Committee staff as and when required.

The external statutory audit is conducted by a firm of Chartered Accountants appointed by the DAV College Managing Committee, New Delhi. The observations made by the auditors are discussed with the Principal, and necessary corrections are made immediately before the final report generation. The external audit covers various areas, including receipts and payments, purchases, provident fund, salary, etc. The final income and expenditure account and balance sheet are signed by the external auditor, the Principal, and the in-charge of the accounts department of the Institute.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

The IQAC in the institute was set in the year 2015. The composition of the IQAC is changed periodically as per the norms. The present IQAC was reconstituted in January, 2022. The IQAC is headed by the Principal of the institute as its chairperson. An Associate Professor is appointed as IQAC Director/Coordinator.

Accreditation, Rankings and Feedback

The IQAC also has the responsibility to apply for the accreditations and ranking by the various bodies.. At present the institute is Accredited by NAAC. The institute regularly participates in NIRF rankings, loading of information on AISHE portal. Every year the institute participates in the ranking surveys of Competition Success Review, India Today and The Week.

The IQAC in association with Department of Academics receive the feedbacks from the various stakeholders i.e. students, faculty, alumni and employers. The feedback from students is obtained for every subject. The feedback of the faculty received from the students is analyzed on various parameters. The feedback is given to the concerned teacher and good points are appreciated and the faculty member is asked to work upon those areas where improvement is needed.

The institute continuously reviews its teaching learning process and on the basis of the feedback the

changes are made. During the last five years the incremental improvements are recorded in the following two areas of teaching learning process:

1. **Extensive Use of ICT based Teaching-Learning:** Before the start of the pandemic i.e. COVID 19, all the classes were held in face-to-face mode. But when all of a sudden the lockdown was imposed, it posed a challenge for the teachers to switch to the online teaching. After the lockdown was lifted and classes were held in face-to face mode, even though the teachers of the institute were using the hybrid mode of teaching i.e. the classes were held in both the modes which includes face-to face and online method. Though, the classes are now held in the physical mode but the faculty of the institute is making maximum use of ICT tools. During a random checking by the affiliating university, they found the conduct of online classes very impressive and a letter of appreciation regarding the same has been received from the university.
2. **New Pedagogical Practice- Activity Based Teaching Learning:** Activity Based Teaching Learning (ABTL) is an effort to overcome the limitations of the traditional mode of course delivery. Progressive Pedagogical models are used for enhancement of course learning. To meet the objective different activities are designed and practiced along with class room teaching. Many teachers of the institute have started using activity based teaching learning. This pedagogical practice involves the active participation of the both teacher and the taught. The students also feel motivated and it gives them some breather from the traditional monotonous mode of lecture delivery. It has been observed that this pedagogy has resulted in the faster learning of the students. The teachers of the institute are being motivated and encouraged to adopt this methodology.

File Description	Document
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6.5.2 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
2. **Collaborative quality initiatives with other institution(s)/ membership of international networks**
3. **Participation in NIRF**
4. **any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc**

Response: A. All of the above

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

Response:

The institution is well prepared to handle and respond to gender-sensitive issues and provide an environment where males and females can work together with a sense of personal security and dignity. For this purpose, the Institute has set up a gender sensitization cell to engross awareness about gender issues and to create an enabling environment of gender justice.

The Institute also celebrates days/events of National/Patriotic importance like Republic Day, Independence Day, National Science Day, National Voters Day, National Mathematics Day, International Mother Language Day, Engineers Day, World Tourism day, International Yoga Day, World Environment Day, Swachhata Pakhwara, Voter Awareness, and Registration Campaign, Covid-19 awareness, and vaccination camp, Tribute to Martyrs & Heroes of Independence struggle, Drug de-addiction awareness Campaign, Sensitization of students and employees of the institution to the constitutional obligations, Environmental Day, Save Earth Plant Tree: One Student – One Tree initiative “Keep Clean, Go Green” Drive under ‘Mission Fateh,’ campaign for Ban on Plastic use, etc.

The Gender Sensitization Cell of the Institute organized various activities, namely, a webinar on “Feminine Vs. Masculine, Balance of powers to achieve greatness” and presented influential women’s awards to celebrate the era of feminism on the occasion of International Women’s day.

“World Environment Day was celebrated by organizing “National Level Workshop cum Paper Presentation Competition” on the themes:

- a) How to reduce Carbon Footprints: Need, Causes, Challenges, and our Role & Responsibilities?
- b) COVID-19 Pandemic: Causes, Preventions, Effects, Remedies, and our Role & Responsibilities to fight against it.

The Institute organized a poetry event titled Salam-e-Shahadat to pay tribute to Shaheed-E-Azam S. Bhagat Singh and salute the heroic deeds of the great martyrs of India. The sacrifice of freedom fighters in glowing terms inspired the students to acknowledge their remarkable efforts. The students pledged to lead a life like Shaheed-E-Azam S. Bhagat Singh and serve the Nation.

The Institute commemorated “World Consumer Rights Day” to safeguard consumers’ rights and ensure that customers are not subjected to market exploitation or social injustice that may jeopardize their rights. So, to make people aware of their rights, this day was celebrated at DAVIET with the theme of the event “Shiksha Badhao Ghrahak Bachao.”

The NSS wing of DAVIET, Department of Hospitality & Tourism, organized a seminar on World Health Day. Dr. Balraj Gupta, Physician & heart specialist, addressed the audience as keynote speaker.

The NSS Wing of the Institute observed National Voters Day, in which students took a pledge to participate in the electoral process. The significance of this day is to encourage youngsters who have reached the age of 18 to participate in the electoral process by enrolling or registering themselves in electoral rolls and exercising their voting right.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

Response: A. 4 or All of the above

File Description	Document
Upload supporting document	View Document

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion activities

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

DAVIET, in tune with Indian ethics and practices, believes in the sanctity and the importance of providing an inclusive environment in all spheres of diversity.

Various events are celebrated to develop emotional and spiritual feelings and inculcate the feeling of oneness and social harmony. Havan Yajna is a regular activity in the Institute. Havan Yajna spreads positive vibes and is a scientifically proven method for purifying the environment. Accordingly, apart from special occasions such as the commencement of academic sessions and other auspicious events, one Havan Yajna is performed every month and is coordinated on rotation by every department.

Institute organizes days/events to inculcate the qualities of team spirit, universal human values, environmental awareness, and Indian culture amongst the staff and students.

Many events like 'Bhajan & Pravachan Sandhya,' "Art of Living – The Happiness Program," Meditation & Mind Relaxation, Visit Pingla Ghar, "How to realize your highest potential," etc. are organized to develop and promote the strength of humanity, develop ethics, inculcate leadership qualities & team spirit, life-long learning and spread peace & serenity, all around.

The Institute promotes self-development and concentration through Yogic and Pranayamic activities and the importance of Vedas in one's life for all-round personality development and inner transformation to be United, Integrated & Balanced.

The NEP 2020 has given a clarion call for holistic value-based education to prepare our youth and develop our Nation, "Education is fundamental for achieving full human potential, developing an equitable and just society, and promoting national development." The steps taken by DAVIET in imbibing universal human values among teachers and students have proved to be transformational.

To deliberate the linguistic diversity, Matribhasa Divas is celebrated. The Institute has organized several programs to provide an inclusive environment, promoting tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic, and other diversities.

The Institute celebrates Days/Events of National/Patriotic importance like Republic Day, Independence day, Voter Awareness and Registration Campaign, Covid-19 awareness and vaccination camp, Tribute to Martyrs & Heroes of Independence struggle, Drug de-addiction awareness Campaign, Sensitization of students and employees of the institution to the constitutional obligations, Participation in Unnat Bharat Abhiyan (UBA), Swachhata hi Sewa campaign, Save Earth Plant Tree: One Student – One Tree initiative "Keep Clean, Go Green" Drive under 'Mission Fateh,' campaign for Ban on Plastic use, etc.

The Institute regularly organizes Blood Donation Camps, Drug de-addiction seminars under the Institute's Social Responsibility Initiative.

The students are taught courses on the Constitution of India, Human Values and Professional Ethics, Environment studies, etc., to create awareness and sensitize the students to constitutional obligation, inculcate Human Values, to give them insight into environment acts, wildlife protection act, forest act, global environmental concerns, Gender Sensitization, Women rights, Tree Plantation and Ban on Plastic use. The institution has planted over 900 tree saplings of various species to create a Mini Forest. The institution encourages participation of students in NCC, NSS, Cultural, Sports, Games, and Club activities at the State/National level to strengthen nationwide bonds and relations.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Best Practice – I

Earn While you Learn (Co-Op)

Title of the Practice: Earn While you Learn

Objective: Earn While You Learn Program provides students opportunities to earn while learning through part-time jobs or stipend-based industrial training.

‘Learning by doing’ and ‘earning by learning’ are essential to future career development. Therefore, Industrial Training is an excellent combination of work and learning. The students of various streams not only financially support their studies but also gain practical experience that would stand by them later in their careers. It helps the students gain first-hand corporate world experience and develop self-confidence and personality.

The Context: Challenges & Issues

- One of the significant challenges while providing the job opportunity to the students while they are studying in the institute is to manage the regular curriculum, so their studies do not get affected.
- Students sacrifice their time for their studies. Working students have less time to study their lessons. Classes that require extensive reading and writing are affected. They can sometimes be late for their classes. So, separate time tables and weekend classes have been scheduled for the students who have opted for this Program.

Benefits of Earn While you Learn:

- Exposes the students to the world of work before actual employment.
- Gives students hands-on experience and confidence, thereby preparing them better for taking up jobs in the future.
- Adds value to the resume of the students.
- Enables the students to explore their subject preferences and develop them into a career.
- Prospers belongingness and encourages the student’s involvement in the College’s management and development.
- Helps inculcate in the student’s values of hard work and dignity of labour.
- Helps to channelize the exhaustive energy of the young students into positive activities.

- Provides opportunities for students to earn while learning to meet their expenses.

Evidence of Success:

- Continuous implementation of the Earn While Learn Program every year stands as proof of their success.
- Positive feedback from the students and their parents.
- Students, who support their college fee with their self earned money, are our proud testimony of success.

Problems Encountered:

- Creating awareness in the students about this program and its benefits.
- Encouraging them to step out from their comfort zones and start working hard for their own good.
- Initial hesitation in staying back beyond institute hours.
- Continuous motivation is required as the students can lose confidence when things don't go as expected.
- Monitoring/Special arrangements of the academics of the students while they are pursuing their internship.

Resources Required:

- Skill Assessments of the students on regular basis, action plan and improvement thereof.
- Career guidance and counseling by the experts.
- Dedicated staff and assistants to help implement the program and conduct interviews.
- Additional duties to the teaching faculty for special classes.
- Skill development of the students through workshops, seminars, MOOCs, guest lectures, industry week(s) and industry visits etc.
- Extend labs & library facilities beyond scheduled hours.

Best Practice – II

WASTE MANAGEMENT

DAVIET is committed to transform lives and serve the society through pursuit of excellence in teaching, innovation, lifelong learning, cultural enrichment and outreach services. DAVIET realizes sustainable and holistic waste management essential in reducing its environmental footprint and providing a safe and healthy work environment for teaching and non-teaching employees, students, and visitors

The institute apply a 'waste hierarchical approach', to reduce, reuse, recycle and recover waste products in preference to the disposal of waste to landfill. The institute recognizes the importance of managing the waste responsibly, reduce the volume of waste and maximize reuse and recycling where ever possible.

Policy Objectives

- To minimize waste generation at source and facilitate repair, reuse and recycling over the disposal of wastes in a cost effective manner.
- To provide clearly defined roles and responsibilities to identify and co-ordinate each activity of the

waste management.

- To promote environmental awareness in order to increase and encourage waste minimization, reuse and recycling.
- To invest into the expansion of recycling opportunities on the institute campus and transform waste into value added products.
- To ensure the safe handling and storage of wastes on institute campus.
- To provide appropriate training for teacher, resident, staff, students and other stakeholders on waste management issues.
- To promote holistic approach of waste management in the campus.

Co-ordinator, Environment Sustainability Management Cell, DAVIET is responsible for:

- i). Provision of advice and guidance to the University on waste management.
- ii). Setting Environmental Performance Indicators for waste management.
- iii). Reporting annually to the advisory Board on progress against the 'Environmental Performance Indicators'.
- iv). Monitoring and auditing all waste contractors working for the institute.
- v). Provision of appropriate training for all personnel who have responsibilities for waste management.
- vi). Coordinating the gathering of, and supplying all relevant information to appropriate enforcement agencies, when information relating to waste management is requested.

Action:

1. Food Waste: The food waste collected from the PG/UG & Girl's hostel hostels is collected on daily basis and taken to designated pits for allowing them to get converted into manure.

2. Dry leaves:

The dry leaves collected from the different sites of the institute are taken to the underground pits, compacted, mixed with cow dung and turned upside down regularly for few months to get it converted into manure.

3. Plastic Waste:

The plastic waste generated by means of plastic bottles /items are collected at designated places. The plastic bottles are crushed into small pieces in a plastic bottle crushing machine installed in the institute near canteen. The smaller pieces are sent to the industry for recycling.

4. Paper Waste:

The paper waste generated in the institute is recycled to files / folder for daily use. The institute has entered a MoU with Hans Raj Mahila Maha Vidyalaya, Jalandhar, an Institute awarded with A+ grade from NAAC.

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

The DAV Institute of Engineering & Technology started with its first batch of the students in the year 2001. The institute is known for placements of the students in the leading companies of the India and abroad. The alumni of the institute is working in the top notch companies of the world such as Goggle, Microsoft, Oracle, Larsen & Toubro, Apple Inc., Amazon, Adobe Infosys, Wipro, HCL Technologies, Maruti Suzuki, Honda, Hero Moto Corp to name a few. The institute has emerged as a cynosure for recruiters. The Industry Engagement is the Pre-requisite for achieving the excellent and quality placements. The institute has got the distinctive practice of **Industry Engagement**.

According to Prof. V. Rama Rao, Director, IIT Delhi “Very often the industry does not know what we are doing and we don’t know what they want. This time we are making a proactive effort to bridge the gap”. Prof. Rama Rao has highlighted the importance of Industry Engagement. As far as strategies for Industry Engagement are concerned there are a lot of variations across colleges in the different countries of the world. For achieving the objective of developing a highly skilled workforce the employers i.e. the industry should be at the forefront in designing and delivering the training that meets the today and tomorrow. The most successful industry partnerships are those where real ‘Win-Win’ relationships can be established.

Though there is a dedicated Department of Training and Placement to look after the training, internships, industrial visits and placements of the students. All the teaching departments of the institute have their separate **Industry Engagement Strategy-Vision and Industry Engagement Strategy- Planning Document**. In order to bridge the gap between the industry and academia there is a strong need for Industry Engagement. The institute is doing an incredible job as far as Industry Engagement is concerned.

Firstly, all departments have identified their key vision elements. On the basis of the key vision elements, the vision statements are framed. In order to achieve those vision statements, the strategic planning document is prepared. The strategic planning documents contains the details such as the allies with the institution i.e. the other departments which are to be engaged, the organizations, time required for completing the activity, the faculty members of the department who will be responsible for the various activities etc.

There are basically four ways/strands in which Industry Engagement can take place:

1. Industry working directly with the students

2. Industry working directly with the teaching staff
3. Institution providing training directly for the industry
4. Industry involved in the curriculum design and delivery

Strand 1. Industry working directly with the students: The industry recruits the students who possess the necessary technical and soft skills. This strand can take place in the following ways:

a) Work Placement: Under this the students work with the industry as a part of their curriculum. This is done usually in the form of internships. Such internships can be paid or unpaid. Many students of the institute undergo paid internships with a stipend ranging from Rs.15, 000 to Rs. 50,000 per month.

b) Work Exposure: Work exposure is of three types

- **Work Shadowing/Mentoring:** Under this a student observes a member of the staff to gain an understanding of what a particular job entails.
- **Work Based Project:** A specific piece of assessed work undertaken at industry premises.
- **Industry Visit:** In order to gain the practical insights, the industrial visits of the students to various industries are arranged.

The industry also gets benefitted in the form of fresh ideas from the young students. Work placement as a cost effective and flexible tool for company's recruitment need.

Strand 2. Industry engaged in the design and delivery of the curriculum: In this strand, the people from industry are consulted in the design of curriculum so as to meet the expectations and requirements of the industry. The various departments of the institute conduct Industry Week every semester. During the industry week the expert from the various industries are invited for delivering lectures to the students. In this way students come to know about the various latest technologies being used by the industry. Not only this, workshops on emerging technologies are arranged where the students get hands on experience.

Strand 3. Industry working directly with the teaching staff: This helps in the Continuous Professional Development (CPD) of the faculty. It enhances the competencies and helps in developing new skills and knowledge of the faculty. The faculty members are sent to the industry to gain knowledge about what is being done in the industry. Sometimes work shadowing is also undertaken by the faculty member to get an insight about what skills and knowledge a job demands.

Strand 4. Institute provides training directly for the industry: This is the most important strand where the faculty of the institute trains the people from the industry. It includes both formal and informal training. The training can be three types:

- **Apprenticeships:** Under this programme the newly recruited employees of an industry are sent for formal training linked to their progression in job role.
- **Professional updating:** These are the short term training programmes aimed at developing specific skills linked to formal qualifications.
- **Bespoke training:** These kinds of programmes are conducted as per the requirements specified by the employer. Such programmes are not linked to formal qualification.

These programmes are conducted as per the request of the industry. They may be conducted either in the institute or in the premises of the industry. Programmes may be conducted full time, part time or on

weekends. The contents of the programme are tailor made vary from industry to industry.

Since industry-academia collaboration is the indispensable for the development of any country in particular and success of the institute in particular. Realising the importance of this, all the departments are actively involved in the Industry Engagement. Since, it is in the infancy stage, but the institute is quite sure of getting the benefits of Industry Engagement in the near future.

File Description	Document
Any other relevant information	View Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

DAVIET is one of the most preferred multidisciplinary institutions of the region due to its well connected location, state-of-the-art infrastructure, overall personality grooming of the students, in-campus hostels, indoor/outdoor sports facilities, and congenial teaching-learning environment. Faculty with an exceptional academic/industry background is dedicatedly engaged in shaping the future of our students. In the recent past industry has focused on cost cutting and their requirement has changed from 'Employable Engineers' to 'Deployable Engineers'. In addition to the regular curriculum, DAVIET imparts additional skills, industry exposure and hands-on experience on live projects to make our students industry ready. Our students have an open access to research laboratories from graduation level which gives them an edge over their competitors.

Faculty of DAVIET has not only high quality publications, funded projects and patents to their credit but they have shown their presence globally by acting as reviewers for various reputed international journals. Faculty is having a significant presence in University's Board of Studies and is actively involved in curriculum planning and implementation.

It is a matter of pride for the Institution that more than hundred (100+) students got merit positions in the university end semester examination during the five consecutive years (2017 to 2021).

DAVIET has garnered myriad International & National Achievements in Cultural Activities; the prime being winner of IKG PTU Zonal & Inter Zonal youth festival since inception. Our students represented IKGPTU in Inter Universities Zonal Youth festival and at National level youth festival and secured position in Rangoli and Music competition respectively.

From the session 2017-18, DAVIET has shown its dominance in Cricket, Basketball and volleyball for consecutive years by winning the championship continuously. For the session 2018-19, DAVIET was awarded a cash prize of Rs. 50,000/- for securing overall 2nd Runner up position in the university. For the session 2019-20, DAVIET was awarded a cash prize of Rs. 1,00,000/- for securing overall 1st Runner up position in the university. DAVIET Sports teams have won seven tournaments, stood 1st Runner-up in Four Tournaments and 2nd Runner-up in Seven Tournaments.

Concluding Remarks :

DAVIET is committed to excel in the region in terms of academic excellence, research, innovation, student placements, social contribution and to uphold the spirit of professionalism. The quality of education system depends upon the number of rank holders at the examinations held at the University level and it is a matter of pride that more than hundred students secured the University ranks/merit positions from 2017 to 2021.

The students participate in the placement drives organized by the institute and get placed in the top companies around the globe. DAVIET has an excellent placement record with good pay package. If the enviable placements number and the perception of the corporates is the yardstick then this Institute is indeed a potential source for reliable, loyal and hardworking employees.

DAVIET has well-maintained playgrounds for various outdoor games and also has excellent facilities for

indoor games and cultural activities that enable our students to deliver consistently good performance in extra-curricular activities and thus bring justifiable laurels to the institution in various district, state and university level competitions.

NAAC certification will be a measure to evaluate and assure the standard of education delivered at our institution. It is anticipated that the NAAC accreditation further improves and promotes institutional benchmarks.

DAVIET is a family of aspiring students, supportive parents, dedicated faculty members and visionary management, working together to make a difference in the field of education.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
5.1.3	<p>Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years</p> <p>5.1.3.1. Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>373</td> <td>182</td> <td>226</td> <td>286</td> <td>254</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>373</td> <td>182</td> <td>226</td> <td>280</td> <td>254</td> </tr> </tbody> </table> <p>Remark : Input edited as per the documents provided by HEI.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	373	182	226	286	254	2021-22	2020-21	2019-20	2018-19	2017-18	373	182	226	280	254
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373	182	226	286	254																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
373	182	226	280	254																	
5.3.2	<p>Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)</p> <p>5.3.2.1. Number of sports and cultural programs in which students of the Institution participated year wise during last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>04</td> <td>25</td> <td>23</td> <td>13</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>04</td> <td>24</td> <td>23</td> <td>13</td> </tr> </tbody> </table> <p>Remark : Input edited as per the supporting documents.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	16	04	25	23	13	2021-22	2020-21	2019-20	2018-19	2017-18	16	04	24	23	13
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2.Extended Profile Deviations

ID	Extended Questions
1.1	<p>Number of teaching staff / full time teachers during the last five years (Without repeat count):</p> <p>Answer before DVV Verification : 114</p> <p>Answer after DVV Verification : 148</p>
2.1	<p>Expenditure excluding salary component year wise during the last five years (INR in lakhs)</p>

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
348.26	321.99	495.12	429.35	476.44

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
230.63	190.2	350.93	274.92	523