Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**DAV INSTITUTE OF ENGINEERING & TECHNOLOGY, JALANDHAR**
Name of the head of the Institution	**Dr. Manoj Kumar**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**01812207650**
Mobile no.	**9478101102**
Registered Email	**dca@davietjal.org**
Alternate Email	**principal@davietjal.org**
Address	**Kabir Nagar**
City/Town	**Jalandhar**
State/UT	**Punjab**
Pincode	**144008**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. Jagjit Singh**
Phone no/Alternate Phone no.	**01812207650**
Mobile no.	**9872201740**
Registered Email	**iqac@davietjal.org**
Alternate Email	**dca@davietjal.org**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.davietjal.org/wp-content/uploads/2020/09/AQAR_Report-2018-19.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.davietjal.org/wp-content/uploads/2021/06/DAVIET-Academic-Calender-2019-20-.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.07**	**2017**	**30-Oct-2017**	**29-Oct-2022**

6. Date of Establishment of IQAC	**18-Sep-2015**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Submission of data for AISHE	22-Mar-2020 1	10
Feedback from Students	13-Nov-2020 3	246
Feedback from Students	12-Nov-2020 3	255
Feedback from Students	11-Nov-2020 3	266
Meeting of IQAC	06-Jul-2020 1	13
Academic Audit	05-Oct-2020 10	10
Academic Audit	06-Mar-2020 12	10
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
DAVIET	PMKVY	AICTE	2019 90	127500
DAVIET	NIMAT	DST	2018 1	16000
DAVIET	IRD	IIT DELHI	2019 1	50000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**1**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

• Request to Departments to organize the faculty development programs. • Appeal to faculty to attend FDPs of their field of interest. • Encouragement to departments/faculty to submit/publish research papers in UGC /Scopus/SCI indexed Journals and also to publish Book Chapters in edited volumes/books published. • Appeal to departments/faculty to boost the Capability enhancement and development schemes

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
To implement Capability enhancement and development schemes	Capability enhancement and development schemes are effectively implemented by the departments
To attend FDPs of their field of interest	Effective Participation in the FDPs by the Faculty
To submit/publish research papers in UGC /Scopus/SCI indexed Journals	Faculty of different departments published research papers in UGC /Scopus/SCI indexed Journals
To organize the faculty development programs	FDPs successfully conducted by two Departments
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	22-Mar-2020
17. Does the Institution have Management Information System ?	No

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

1. Academic calendar showing the schedule of academic support activities of the semester. Department-wise timetable is prepared well before the start of the classes and is followed throughout the semester. The Institute academic calendar is prepared on the basis of the departmental activities. 2. Course File for each subject is prepared before the start of the session which includes daily lecture plan. 3. Day-wise Teaching Plan for the whole course curriculum to be covered in the semester. 4. Planning of monthly assignments and weekly tutorial sheets to be given to the students. Study Material. 5. Curriculum is divided into two parts. After completion of each part, Mid Semester Tests are conducted. 6. Students are given assignments and tutorials as per the plan contained in the course file(s). 7. Regular Departmental Meetings to discuss teaching strategy, coverage of syllabus and performance of the students, important reference books and journals etc. 8. Programme Chart of departmental activities framed by every department at the session start. 9. The institute has a well stocked library with open excess system for the benefits of the students and faculty. 10. The institute subscribes to a large number of National and International print journals. 11. A list of recommended books handed over to the HOD for library purchase by department faculty. 12. A list of recommended Books is given to the students at the beginning of every session. 13. Two Mid semester tests along with quizzes are conducted to prepare the students for the forthcoming final university examination. 14. The Institute provides free-ships to the poor, needy and meritorious students. 15. The Experts from industry are invited to deliver lecture to the students to acquaint them with the latest technologies being used by the industry. 16. The Institute organizes various seminars, conferences and faculty development programmes from time to time. 17. Most of the classrooms are ICT enabled and faculty is encouraged to use multi media projectors to delivered the lectures. 18. The minor and major projects, assignments, tutorial sheets are given to the students as per Bloom's Taxonomy. 19. The contents beyond syllabus are identified as gap areas in the curriculum and Contemporary issues relevant to the domain are taught in the classroom. 20. The training workshops are arranged for the students from time to time. 21. The students undergo six months industrial training in pre-final/ final semester. 22. Peer-to-peer learning and project based learning are encouraged. 23. Collaborations at National and International level with Institutes and industries of repute. 24. The various technical event(s)/competition(s) are organized by all the departments. 25. The Institute organizes an annual Tech-fest 'aDavitya' in which students get an opportunity to showcase their talent. The students from other Institutes also participate in this fest. 26. The students are encouraged and helped for preparing various competitive exams. 27. Based on the performance of the students in the MST(s), the first and second ranking students of all the classes are offered the choice of purchasing books suiting to their requirement(s) for price.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
HCIA (Routing Switching)	Nil	28/01/2020	30	This certi fication helps in increasing employee engagement so that	Skill development always leads to competitive edge. Students

	employees can work towards their goals and accomplish them.	should have that something extra, and that can be achieved through skill development.

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BCom	Bachelor of Commerce with Honours	01/05/2019
BHMCT	Bachelor of Hotel Management & Catering Technology	01/05/2019
BTTM	Bachelor of Tourism & Travel Management	01/05/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Electrical Engineering	01/01/2019
BTech	Electronics and Communication Engineering	01/01/2019
BTech	Computer Science and Engineering	01/01/2019
BTech	Information Technology	01/01/2019
BTech	Civil Engineering	01/01/2019
BTech	Mechanical Engineering	01/01/2019
Mtech	Computer Science and Engineering	01/01/2019
Mtech	Electrical Engineering	01/01/2019
Mtech	Civil Engineering	01/01/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	22	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Student Induction Prog	15/07/2019	250
MooC Courses	07/02/2019	370

Virtual Labs	03/08/2020	443
Personality Development Course	09/09/2020	353
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Undergoing Training of Domain Specific Software Training/ Internship	342
BTech	Semester Training/ Internship (Industry + Software)	426
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

1. The feedback from the students is obtained after the Mid Semester Tests twice in a semester. 2. The Identity of the student is not disclosed while filling the online feedback. 3. Feedback on overall functioning of the college: it is based on the learning environment of the college, hostel facility, training and placement facility, canteen facility, medical facility, counselling center, sports facility, infrastructural facilities etc. 4. The feedback received from the students on academic issues is conveyed to the concerned faculty member through respective Head of the Department. 5. The complaint / suggestion boxes are installed at prominent locations in the institute. 6. The complaint / suggestion boxes are opened from time to time and feasible suggestions are implemented. 7. There is the complaint registrar in the library where students can register their complaints regarding library. 8. Feedback from the Parents' is obtained on overall development of their ward and about learning environment in the college as well as imparting value based education in their wards. 9. The institute has registered alumni association whose feedback is based on role of the college in the development of student personality and employability, academic excellence. 10. The institute obtains Feedback from the employers and experts from industry on the current curriculum and their views as per the current scenario. Addon and Value added courses are designed based on this feedback. Placement cell also takes cognizance of this feedback while organizing training sessions.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MBA	Master of Business Administration	60	42	57
Mtech	Civil Engineering	18	15	7
Mtech	Electrical Engineering	9	3	3
Mtech	Computer Science & Engineering	18	12	3
BTech	Civil Engineering	60	43	49
BTech	Mechanical Engineering	60	38	46
BTech	Information Technology	60	23	58
BTech	Electrical Engineering	60	22	44
BTech	Computer Science & Engineering	60	371	64
BTech	Electronics & Communication Engineering	120	73	79
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1253	98	93	10	11

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
114	114	35	30	12	1255
[View File of ICT Tools and resources](#)					
[View File of E-resources and techniques used](#)					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

1. Each class has a class teacher. The students can discuss their problems with concerned class incharge. 2. The students are free to approach Head of the Department / Dean and Principal regarding their any problem. 3. Faculty mentors are appointed for major projects of the students. 4. The Institute has appointed a part-time Counseling Psychologist. Students are counseled for various psychological and emotional stressors and taught coping skills. Students are counseled individually as well as in groups, where discussions and presentations by the students on the topics, which affect them, are encouraged. 5. There is a provision in the curriculum about the appointment of Group Advisors. 6. Department of Training and Placement counsels the students about career opportunities and higher education. 7. Students are informed from time to time about career options in diverse fields such as defence services, public sector undertaking job options, corporate openings etc. 8. The faculty members have being appointed for all the first year students and they act as guardians of the students allocated to them through out their course of study.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1351	114	1:12

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
168	114	53	23	42

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Dr. Vinay Chopra	Assistant Professor	Best Teacher Award 2020, National Level
2020	Ms. Jasdeep Kaur	Assistant Professor	Best Teacher Award 2020, National Level
2020	Dr. Sanjeev Naval	Associate Professor	Outstanding Achievement, District level
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Mtech	PG	2	28/06/2020	28/09/2020
MCA	PG	6	29/06/2020	06/11/2020
MCA	PG	4	26/06/2020	21/08/2020
MCA	PG	2	29/06/2020	21/08/2020
MBA	PG	4	29/06/2020	09/11/2020

MBA	PG	2	26/06/2020	21/08/2020
BTech	UG	8	28/06/2020	06/11/2020
BTech	UG	6	29/06/2020	21/08/2020
BTech	UG	4	27/06/2020	21/08/2020
BTech	UG	2	26/06/2020	01/09/2020

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

• The Institute has a transparent and continuous evaluation system. • Internal evaluation of the students is a continuous process. The performance of the students is judged continuously in classrooms through participation in quizzes, mid semester tests, lab/practical performance, assignments, tutorial sheets, group discussions, paper presentations etc. • The mid semester tests are conducted by the office of the control of examination. • Question papers of the mid semester tests are in line with the pattern of the university exams. • Answer sheets are made available to the students and discussed with them. • Parents are informed about the performance of the students and their feedback is obtained about the same. • Record of the student performance in the mid semester test is duly maintained for monitoring the growth of the student in classes and midterm exams. • The final internal assessment is displayed on the notice board of the department. • The students who do not meet the necessary condition are detained from appearing in the University exam. • The students excelling in the University exams are awarded in the annual function. • The course outcomes are mentioned in the question papers and their mapping is done.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

• The Institute adheres to a systematic strategy for completing the curriculum within the planned time frame and as per institute calendar which is in line with calendar of the university. • The departments prepare the calendar for extracurricular and co-curricular activities. • On the basis of the university calendar and calendar received from the different departments, the Institute academic calendar is prepared for the semester. • The Institute academic calendar is displayed on the website of the Institute. • For the students who do not perform well in mid semester test or are slow learners, remedial classes are planned and they are helped to get their syllabus completed. • The Institute tries to adhere to the academic calendar.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://www.davietjal.org/wp-content/uploads/2021/06/PO_-PSOs_-COs-of-all-the-Programmes_compressed.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
CSE	BTech	Computer Science & Engineering	72	72	100

ECE	BTech	Electronics & Communication Engineering	95	95	100
EE	BTech	Electrical Engg.	58	58	100
IT	BTech	Information Technology	68	68	100
ME	BTech	Mechanical Engineering	64	64	100
CE	BTech	Civil Engineering	65	64	98.46
MBA	MBA	Business Administration	51	51	100
MCA	MCA	Computer Applications	13	13	100
CSE	Mtech	Computer Science & Engineering	3	3	100
CE	Mtech	Civil Engineering	6	5	83.33

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://www.davietjal.org/daviet-student-satisfaction-survey/

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Nill	0	Nil	0	0

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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Arduino and Raspberry Pi	EE	30/09/2019
Python with Machine Learning	EE	30/09/2019
Workshop on Node.js and Angular	IT	18/12/2020

Workshop on Bug Bounty/Pen Testing	IT	23/12/2020
Machine Learning	IT	29/10/2020

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Outstanding Achievement	Dr. Sanjeev Naval	State Administration, Jalandhar	26/01/2020	District Level
Best Teacher Award 2020	Ms. Jasdeep Kaur	ISTE Section	23/12/2020	National
Best Teacher Award 2020	Dr. Vinay Chopra	ISTE Section	23/12/2020	National
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
DAVIET Jalandhar	Centre Of Incubation Entrepreneurship	Self Financed	Scrapup	Utilities	20/11/2019
DAVIET Jalandhar	Centre Of Incubation Entrepreneurship	Self Financed	Nitovators	IT	18/02/2020
DAVIET Jalandhar	Centre Of Incubation Entrepreneurship	DAVIET Jalandhar	COVID Safety Products	Manufacturing	15/07/2020
DAVIET Jalandhar	Centre Of Incubation Entrepreneurship	MSME	Dahiya Agriculture Tools	Manufacturing	22/05/2019
DAVIET Jalandhar	Centre Of Incubation Entrepreneurship	Self Financed	Book Buffet	IT	07/10/2020
DAVIET Jalandhar	Centre Of Incubation Entrepreneurship	Self Financed	MAGAZO	IT	08/08/2020
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded

Computer Science and Engineering	3
Civil Engineering	1
Mechanical Engineering	1
Applied Sciences	2
Business Management	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Applied Sciences	24	1.43
International	Information Technology	4	1
International	Electrical Engineering	6	1.1
International	Civil Engineering	14	1.24
International	Electronics and Communication Engineering	25	2.44
International	Business Administration	5	1.25
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Civil Engineering	2
Business Management	3
Electronics Communication Engineering	4
Applied Sciences	1
[View File](#)	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Network selection criterion for ubiquitous communication provisioning in smart cities for smart energy system,	Dr. Kiran Ahuja	Journal of Network and Computer Applications	2019	21	DAV Institute of Engineering Technology	20

Vol. 127, No. 1 February 2019, pp 82-91						
Enhanced Microwave Absorption Properties of Doped M-Type Barium Hexagonal Ferrites in Ka-band Frequencies, vol. 32, no. 8, pp. 2705-2709, Aug. 2019	Mr. Amit Arora	Journal of Superconductivity and Novel Magnetism	2019	0.83	DAV Institute of Engineering Technology, Jalandhar	1
Investigation of Magnetic and Microwave Absorption Properties of Ba(1?2x)LaxNaxFe10CoTiO19 Hexaferrites in 18.0-26.5 GHz Band, vol. 32, no. 7, pp. 2067-2075, Jul. 2019,	Mr. Amit Arora	Journal of Superconductivity and Novel Magnetism	2019	0.83	DAV Institute of Engineering Technology, Jalandhar	3
Broad-band microwave absorption and magnetic properties of M-type Ba(1?2x)LaxNaxFe10Co0.5TiMn0.5O19 hexagonal ferrite in 18.0-26.5 GHz frequency range,	Mr. Amit Arora	Journal of Magnetism and Magnetic Materials	2019	2.33	DAV Institute of Engineering Technology, Jalandhar	14

vol. 473, pp. 272-277, Mar. 2019						
• Cluster Based Approach for Detection and Protection of Wormhole Attack in Wireless Sensor Network", vol. 17, 1-10, 2019.	Dr. Love Kumar	Sensor Letters American Scientific Publishers.	2019	1	DAV Institute of Enginee ring Techn ology, Jalandhar	1
Object acquisition and selection using automatic scanning and eye blinks in an HCI system	Hari Singh	Journal on Multimodal User Interfaces	2019	1.511	DAV Institute of Enginee ring Techn ology, Jalandhar	3
Optical properties of transition metal doped ZnS nanoparticles in PVK based nano composite films, Volume 206, March 2020, 164357	Dr.Ashok Kumar	Optik – Internatio nal Journal for Light and Electron Optics	2020	57	DAV Institute of Enginee ring Techn ology, Jalandhar	3
Effects of thermal annealing duration on the film morphology of methyla mine lead	Dr. Kanchan L. Singh	J. of Na noscience and Nanote chnology. 20(6),. (2020). American Scientific Publishers	2020	101	DAV Institute of Enginee ring Techn ology, Jalandhar	Nill

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
triiodide (MAPbI3) perovskite thin films in ambient air.						
Effect of microwave and conventional processing techniques on mechanical properties of Strontium substituted hydroxyapatite Volume 46, Issue 1, January 2020, Pages 1091-1098	Dr. Kanchan L. Singh	. Ceramics International 46(1) · · (Elsevier) · (2020)	2020	89	DAV Institute of Engineering Technology, Jalandhar	3
Generation of terahertz (THz) radiation by p-polarised lasers beating in hot plasma with surface density ripple	Dr. Shivani Vij	Laser Physics Letters	2019	65	DAV Institute of Engineering Technology, Jalandhar	9
[View File](#)						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Optical properties of transition metal doped ZnS nanopartic	Dr.Ashok Kumar	Optik – International Journal for Light and Electron	2020	57	3	DAV Institute of Engineering Technology, Jalandhar

les in PVK based nano composite films, Volume 206, March 2020, 164357		Optics				
Object acquisition and selection using automatic scanning and eye blinks in an HCI system	Hari Singh	Journal on Multimodal User Interfaces	2019	4	3	DAV Institute of Engineering Technology, Jalandhar
Cluster Based Approach for Detection and Protection of Wormhole Attack in Wireless Sensor Network", vol. 17, 1-10, 2019.	Dr. Love Kumar	Sensor Letters American Scientific Publishers.	2019	31	1	DAV Institute of Engineering Technology, Jalandhar
Broad-band microwave absorption and magnetic properties of M-type Ba(1?2x)LaxNaxFe10Co0.5TiMn0.5O19 hexagonal ferrite in 18.0–26.5 GHz frequency range, vol. 473, pp. 272-277, Mar. 2019	Mr. Amit Arora	Journal of Magnetism and Magnetic Materials	2019	162	14	DAV Institute of Engineering Technology, Jalandhar

Investigation of Magnetic and Microwave Absorption Properties of Ba(1?2x)LaxNaxFe10CoTiO19 Hexaferrites in 18.0-26.5 GHz Band, vol. 32, no. 7, pp. 2067-2075, Jul. 2019,	Mr. Amit Arora	Journal of Superconductivity and Novel Magnetism	2019	43	3	DAV Institute of Engineering Technology, Jalandhar
A novel framework for data acquisition and ubiquitous communication provisioning in smart cities, Volume 101, December 2019, Pages 785-803	Dr. Kiran Ahuja	Future Generation Computer Systems	2019	105	4	DAV Institute of Engineering Technology, Jalandhar
Performance enhancement of high capacity coherent DWDM Free space optical communication link using digital signal processing. Vol. 38, 2019, pp. 326-342	Dr. Jagjit Malhotra	Photonic Network Communications, Springer	2019	7	7	DAV Institute of Engineering Technology, Jalandhar
Multiuser Massive MIMO OFDM	Dr. Jagjit Malhotra	Wireless Personal Communications,	2019	7	2	DAV Institute of Engineering Techn

System Incorporated with Diverse Transformation for 5G Applications Vol. 109, 2019, pp. 2741-2756		Springer				ology, Jalandhar
Network selection criterion for ubiquitous communication provisioning in smart cities for smart energy system, Vol. 127, No. 1 February 2019, pp 82-91	Dr. Kiran Ahuja	Journal of Network and Computer Applications	2019	89	20	DAV Institute of Engineering Technology, Jalandhar
An innovative approach for performance enhancement of 320 Gbps free space optical communication system over turbulent channel Vol. 51, 2019, Art. 289, pp. 1-26	Dr. Jagjit Malhotra	Optical and Quantum Electronics, Springer	2019	7	2	DAV Institute of Engineering Technology, Jalandhar
[View File](#)						

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	21	53	1	Nill
[View File](#)				

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
One Student – One Tree initiative	NSS Wing of Institute	25	700
Jal Shakti Abhiyan	NSS Wing of Institute	1	60
Dental check-up camp	NSS Wing of Institute	5	100
View File			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
One Student – One Tree initiative	Certificate of Appreciation	AICTE	700
View File			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
UBA	Ministry of Education	Swachhata hi Sewa	15	300
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Nil	Nil	Nil	0
No file uploaded.			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Student training Program	Python with machine learning	NIELIT, Ropar	30/09/2019	05/10/2019	72
Student training Program	Arduino and Raspberry PI	NIELIT, Ropar	30/09/2019	05/10/2019	69

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year			
Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Huawei	26/06/2019	Purpose: 1. Certification of instructors/ Activities: 1. Conduct Huawei ICT Competition 2019	99

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
29	20.77

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
Seminar halls with ICT facilities	Existing

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
EGranthalaya	Fully	EG3	2006

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	29615	12300000	Nill	Nill	29615	12300000
Reference Books	2540	760800	Nill	Nill	2540	760800
e-Books	4840	450000	Nill	Nill	4840	450000
Journals	13	32500	Nill	Nill	13	32500
e-	Nill	Nill	Nill	Nill	Nill	Nill

Journals					
Digital Database	1	430000	Nill	Nill	1	430000
CD & Video	222	Nill	28	Nill	250	Nill
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NA	NA	NA	18/12/2020

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	666	23	512	0	23	4	10	512	0
Added	0	0	0	0	0	0	0	0	0
Total	666	23	512	0	23	4	10	512	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

512 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NA	Nill

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
4	2.57	9	6.44

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

• The institution obtains the necessary requirements of class rooms, laboratories and other infrastructural resources from each HOD/Section Incharge well before the beginning of the academic year. • After validation of the

requirements the available resources are allocated to each department. • Submission of requirement is made in the form of a proposal • Evaluation by Purchase Committee and Maintenance Committee • Approval by the Principal. • The different purchase committees are formed for purchase of various items. • Call for quotations and verification of prices and availability of the items. • Purchase order is placed and material received. • Any new facility to be constructed / acquired is provided by the management before the semester begins. • Wherever there exists a situation that a facility (a laboratory) is required by more than one department, suitable adjustments in the time table is done so as to make the optimal use of the laboratory. • Right from its inception in the year 2000 the college has been improving its infrastructure to meet its ever increasing growth. • Additional blocks for academic and administrative purposes have been constructed. • Floors have been added to the existing blocks to enhance the facilities. • Renovation of older blocks and modernization of laboratories have been done to meet the ever changing academic requirements. • The institution has a permanent Estate Officer who is assisted by a full time plumber, electricians, and carpenter etc. to take care of all the construction and maintenance activities of the institute. • The buildings are maintained for their upkeep and repairs on a regular basis. The house keeping team regularly maintains the buildings, corridors and other places clean and tidy. The wash rooms are maintained by a team on a regular basis to maintain their usability.

https://www.davietjal.org/infrastructure/procedures-and-policies-for-maintaining-and-utilizing-physical-academic-and-support-facilities/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Institutional Fee Waiver	235	4083850
Financial Support from Other Sources			
a) National	Post Matric Scholarship	196	14851660
b)International	Nil	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
SPARK CAREER COUNSELLING FAIR	19/12/2020	50	District Administration Employment Generation Bureau, Jalandhar in association with DAVIET, Jalandhar
Workshop on Python Programming	29/08/2019	38	Department of Computer Applications, DAVIET, Jalandhar

E- POSTER MAKING COMPETITION	11/09/2019	70	Department of Computer Applications, DAVIET, Jalandhar
Workshop on HTML,CSS and Internet Architecture	10/10/2019	65	Department of Computer Applications, DAVIET, Jalandhar
Quiz Competition	15/10/2019	70	Department of Computer Applications, DAVIET, Jalandhar
Python with Data Analysis	04/11/2019	38	Department of Computer Applications, DAVIET, Jalandhar
Live Telecast Screening of Honourable PM Sh.Narinder Modi	20/01/2020	95	Department of Computer Applications, DAVIET, Jalandhar
Quiz Competition (C/C)	13/02/2020	85	Department of Computer Applications, DAVIET, Jalandhar
Machine learning and Enhanced learning with C	09/03/2020	115	Department of Computer Applications, DAVIET, Jalandhar
My Father is my hero Contest	21/06/2020	50	Department of Computer Applications, DAVIET, Jalandhar
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Mock Placement Drive	101	101	1	17
2020	Career counselling	4	29	4	29
[View File](#)					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal

	1		1		7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
ST Microel ectronics	294	10	Cognizant Technology Solutions	259	22
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B. Tech	Mechanical Engineeirng	Schulich School of Business, York University. Location: Toronto, Ontario, Canada	Masters of Management (MMgT)
2019	1	B. Tech	Mechanical Engineeirng	Karlsruhe Institute of Technology, Germany	M.Sc. (Mechanical Engineering)
2019	1	B. Tech	Mechanical Engineeirng	NIT Jalandhar	M.Tech (Design)
2019	1	B. Tech	Mechanical Engineeirng	Thapar University	M.Tech (Production)
2019	1	B. Tech	Electronics & Communicat ion Engineering	NIT Jalandhar	M.Tech
2019	1	B. Tech	Electronics & Communicat ion Engineering	MBA canada	MBA
2019	1	B. Tech	Electronics & Communicat ion Engineering	Trinity university Bc canada	MBA
2019	1	B. Tech	Electronics	PEC CHANDIGARH	M.Tech (ECE)

2019	1	B. Tech	& Communication Engineering		
			Electronics & Communication Engineering	(NIT) WARANGAL	M.Tech (Advance communication systems)
2020	1	B. Tech	Electrical Engineering	IIT Kharagpur	Control System Engineering

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	10
GMAT	1

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Inter-college Cricket Tournament	State	18
Talent Hunt	college	98
Freshers	college	37
Tape-A-Tale	State	25
World Tourism Day	college	40
Youth parliament	State	80
Elocution	college	10
Poster Making	college	12
E-Fest 2020	National	800
Inter-college Badminton Tournament	State	12

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5.3 – Student Participation and Activities

5.3.1 – 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	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	IKG PTU North Zonal Youth Festival - Gold Bhangra	National	Nill	1	1704739	GAGANDEEP SINGH (best dancer)

2019	IKG PTU North Zonal Youth Festival gold LIGHT VOCAL (Indian)	National	Nill	1	1604312	AMIT KAJAL
2019	IKG PTU North Zonal Youth Festival-gold on the spot painting	National	Nill	1	1904065	ANKITA REHAL
2019	IKG PTU North Zonal Youth Festival-gold on the spot photography	National	Nill	1	1604437	GYAN SINGH
2019	IKG PTU North Zonal Youth Festival-gold RANGOLI	National	Nill	1	1604544	NEHA
2019	IKG PTU North Zonal Youth Festival-gold essay writing	National	Nill	1	1903600	JANNAT MIGLANI
2019	Bronze(Cross-Country)	National	1	Nill	1918776	JATINDER PAL
2019	Silver(Powerlifting 102kg)	National	1	Nill	1704720	AAKARSHAK BAHL
2019	Silver(weightlifting 97 kg)	National	1	Nill	1704720	AAKARSHAK BAHL
2019	Gold(Powerlifting 102Kg)	National	1	Nill	1803997	RAHUL BHAGAT
			[View File](#)			

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

- The institution has a practice of identifying class representatives for each class. There are various clubs/societies of the students in the Institute. These societies/clubs undertake various activities. The details of the clubs are TechLit Club, Robotics Club, Consortium of Civil Mechanical Engineers, Society of Innovative Electro crackers, Hubby Expo Club, Club of Integrated Boards, S3A, Manageates, Arteso Fine arts, Alfaaz – Literature, cLicker – Photography, Pragyan, Ashwa (The Western Dance Group). • The students' chapter of the various societies viz. ISTE, IEI, IETE and CSI are functional in the Institute and various activities are performed by these chapters. • The AntiRagging Committee and AntiRagging Squad of the Institute have student members. There are mess committees for all the hostels having student representatives. The students' chapters of clubs and societies ISTE, IEI, IETE and CSI have student representatives. • The Institute organizes an annual Techfest 'aDavitya' in which students get an opportunity to showcase their talent. The students from other Institutes also participate in this fest. The total fest is managed by the students only.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

An organization's alumni are the reflection of its past, representation of its present and a link to its future. Local alumni chapters were formed as a means to interact with other fellow alumni. However, the alumni associations seldom had any interaction with the institution they graduated from. Creating an engaged, supportive alumni network is crucial to an institution's success. If communication stops once graduates leave an institution, their understanding of the institution/university will become stale. Instead, they should be kept informed so they can remain engaged and keep abreast on the progress of the institute/university. Good alumni relationships bring many benefits to both the institution and the alumni. One of the strongest bonds that have survived over the years is the bond of friendship which develops during our college life. Over the years DAVIET has established a strong Alumni network. Our Alumna and Alumnus dream big and gave their heart and soul to the cause of converting those dreams into reality. Alumni association acts as a binding force to further strengthen the visualization as well as the realization of the vision and mission of the institute by playing effective roles as the part of DAVIET family. When it comes to sharing ,we love to share our strengths, weaknesses , limitations, positives as well as the future opportunities and what better medium can be there than frequent meetings and reunions. These encourage exchange of ideas, information, attitudes, knowledge between the Alumni and the alma mater thus creating everlasting edifice of belongingness. DAVIET Alumni Association has also started Alumni chapters which provide communication channels to meet the needs of its members. By becoming involved in these local chapters, alumni will have an opportunity to connect with their former classmates, seniors, form a professional network with fellow graduates, remain involved with the institute and have lots of fun. DAVIET had organised its first Alumni Chapter at Chandigarh on 16th March 2010. The Second Chapter of DAVIET Alumni Association was unfolded on 17th and 18th March, 2016 in New Delhi. Seeing the success of our First and Second Chapter and with the postive response that we received from alumni employed in other cities, DAVIET organised its Third Chapter of the Alumni Meet on May 9th 2016. We are planning to extend this tradition of companionship in the other regions as well so that our Alumni who could not make it here due to their prior engagements may also feel connected to this family. We are working on the proposals to open new Alumni Chapters in the cities of Hyderabad, NCR, Chennai and subsequently in the abroad. To strengthen the connection with alumni, we are also using Almabay online platform to connect the students based on their location, expertise and

industry sector. This platform is helpful to explore the various job openings shared by the alumni of the institute.

5.4.2 – No. of enrolled Alumni:

6713

5.4.3 – Alumni contribution during the year (in Rupees) :

445000

5.4.4 – Meetings/activities organized by Alumni Association :

yes https://www.davietjal.org/alumni/alumni-activities

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

• Various different committees at institutional levels and departmental levels are responsible for planning and executing many operational procedures in the institution. • The entire purchase of the institute is done through the various purchase committees formed from time to time for purchase of various items. • The admission committee is responsible for new admissions, admission campaigns, advertisement and digital marketing. • The Heads of the department have been given the authority to recommend the faculty for attending FDPs, Conferences, Seminars, and Workshops etc.

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	The curriculum is prescribed by the parent university IKG Punjab Technical University (PTU). The curriculum is revised by the university from time to time. The institute encourages faculty / departments to contribute to enrich the curriculum during the course of its revision. Many faculty members of the institute are the members of the Board of Studies of the University for various discipline and they have a say in formulation of the curriculum. Faculty members are encouraged to cover industry relevant topics beyond the syllabus.
Teaching and Learning	• The contents beyond syllabus are covered as per the requirements of industry and according to gaps identified in the curriculum. • The teachers are using latest teaching aids in the class rooms. • The final projects to the students are given as pet level K5 of the Bloom's Taxonomy. •

		There is a wellstocked library in the Institute. • There is continuous evaluation of the students through MSTs, assignments, major and minor projects and tutorials. The students who do not perform well in MSTs or are slow learners are motivated and guided by the faculty. • The faculty members are sent for FDPs/Orientation Courses/ Refresher Courses to get themselves updated. • The entire campus is WiFi enabled. • The Institute has subscribed to a large number of eresources.
	Examination and Evaluation	• The Institute has a transparent and continuous evaluation system. • The mid semester tests are conducted by the office of the control of examination. • Question papers of the mid semester tests are in line with the pattern of the university exams. • Answer sheets are made available to the students and discussed with them. • Parents are informed about the performance of the students and their feedback is obtained about the same. • The final internal assessment is displayed on the notice board of the department. • Internal evaluation of the students is a continuous process. The performance of the students is judged continuously in classrooms through participation, quizzes, mid semester tests, practical, assignments, tutorial sheets, group discussions, paper presentations etc. • Record of the student performance in the mid semester test is duly maintained for monitoring the growth of the student in classes and midterm exams.
	Research and Development	The labs of the Institute are equipped with latest instruments to facilitate research. • There are 42 faculty members with Ph.D. degree and many other faculty members are pursuing Ph.D. • The leave is granted for writing thesis and attending Ph.D. course work. • The Institute subscribes to a number of print journals. • The library of the Institute is well-stocked and automated. • The major research projects by the students conform to level K5 of the Bloom's Taxonomy. o The financial assistance is provided to the students depending upon the quality utility of their projects. • A good number of faculty members of the Institute are supervising Doctoral

	Research work. • The Institute has got a large number of simulation tools/the latest software and the same are being used for research work.
Library, ICT and Physical Infrastructure / Instrumentation	The library of the institute is well stocked with more than 32 thousand books. • The institute subscribes to a number of print journals and 4840 e-books. • The entire campus is WiFi enabled. • The institute has a 512 MBPS leased line. • Most of the classrooms are ICT enabled. • Many teachers use multimedia tools in content delivery. • The institute has implemented an ERP system. • The laboratories of the institute are well equipped with latest instruments and software. • The institute has a state of art physical infrastructure.
Human Resource Management	The Institute strictly follows the guidelines issued by the Regulatory Authorities and University for appointment of Faculty. • The pay scales, DA and HRA are given to the entire staff as per the prescribed norms. • There is proper delegation of authority and the Institute has a defined organizational structure. • The division of work is done on the basis of the core competence. • In order to harness the skills of faculty and staff, the training programs are arranged from time to time. • The appointments are done in a very fair and transparent manner.
Industry Interaction / Collaboration	• There is a dedicated Department of Training Placement in the Institute which is entrusted with the task of interacting with the industry for training and placement of the students. • The Institute has got the membership of CII (Confederation of Indian Industry) and JMA (Jalandhar Management Association). • The Institute has tied up with various Industrial Houses such as Wipro, Oracle, Texas Instruments, and Sofcon to name a few. 136 • The experts from industry are invited for delivering lectures. • The Industry Advisory Board of the Institute has eminent persons from industry as members. • The persons from industry are represented in the Governing Body of the Institute. • The departments of the Institute have got a liaison with the industry at their own level too. o The industries have set up their

	center(s) of excellence in the Institute. • The Institute organizes an Industry Week (Departmentwise) every semester.
Admission of Students	The admission to various courses is done at two levels i.e. at the level of the University and at the level of the Institute (under management quota/ direct admission). In the first phase, the admission is done by the university through online centralized counseling based on JEE (Mains) rank. The whole process is completed by the University. The students who are allotted this Institute, they report for admission at the Institute. The advertisements for admission are given by the University in all the leading newspapers. The information for admission is also put on the website of the university.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	yes
Administration	The institute has implemented an ERP system for smooth functioning.
Finance and Accounts	The accounts of the institutes are computerized. The fees is deposited online.
Student Admission and Support	yes
Examination	yes

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
Nill	Nil	Nil	Nil	Nill
No file uploaded.				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Recent trends in	Nil	25/11/2019	29/11/2019	60	Nill

Renewable Energy Sources and Techno logies					

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Faculty Development Programme- GNOMIO Moodle	1	30/06/2020	12/07/2020	12
Advances in Communication systems for Integrated Technology	1	06/07/2020	10/07/2020	5
One Week National Faculty Development Program on "LaTeX"	1	27/04/2020	02/05/2020	6
Latest Trends in Teaching Pedagogy	1	16/12/2019	21/12/2019	6
Research Trends in Wireless Communication System	1	25/05/2019	29/05/2019	5
Creating Open Source Cloud based Gnomio MOODLE of your own subject for OBE	1	15/04/2019	10/06/2019	56
Research Trends in Wireless Communication System	1	25/05/2019	29/05/2019	5
Women's Self Defense Workshop	1	17/02/2020	18/02/2020	2
Blockchain Technology	1	05/06/2020	07/06/2020	3
Faculty	1	30/06/2020	12/07/2020	12

Development Programme-GNOMIO Moodle					
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
92	114	52	56

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Leave with pay for Ph.D course work and thesis writing. Creche facility for children of teachers	Creche facility for children of non teaching staff	Free Medical Insurance

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The internal audit of the institute is conducted by staff of DAV College Managing Committee. The annual external audit is conducted by a firm of chartered accountants appointed by DAV College Managing Committee.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nil	0	Nil
No file uploaded.		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	IKG PTU	Yes	Department of Academics
Administrative	No	Nill	Yes	DAV CMC, New Delhi

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Feedback from the parents on the performance of their wards in the mid semester tests. Meeting with the parents as and when required. Providing valuable suggestion for development of the institution.

6.5.3 – Development programmes for support staff (at least three)

Computer training of the office staff. Tally training for the account staff. ERP training of the staff by Saral Info Solutions

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Outcome based education, Activity based learning, Change management, Entrepreneurship

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Industry Week (NIELIT, , Ropar DAVIET, Jalandhar)	30/09/2019	30/09/2019	05/10/2019	133
2019	Workshop on Python Programming	29/08/2019	29/08/2019	29/08/2019	38
2019	Python with Data Analysis	04/11/2019	04/11/2019	06/11/2019	38
2020	Machine learning and Enhanced learning with C	09/03/2020	09/03/2020	13/03/2020	115
2019	Python with Data Analysis	04/11/2019	04/11/2019	06/11/2019	38
2020	Cyber Security Workshop (Morning Session)	02/11/2020	02/11/2020	06/11/2020	100
2020	Android using kotlin(Evening Session)	02/11/2020	02/11/2020	06/11/2020	90
2020	Online cultural event	25/12/2020	25/12/2020	28/12/2020	8
2020	Workshop on Web Design Development	13/12/2020	13/12/2020	13/12/2020	70
2020	My Father	21/06/2020	21/06/2020	21/06/2020	50

		is my hero Contest					

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Nil	Nill	Nill	Nill	Nill

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Environmental Awareness Programme are organized for students as well as faculty from time to time. ? Ewaste is followed as per Govt. Policy. ? Solar system is in place in the form of street lights etc.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	Nill
Braille Software/facilities	No	Nill
Rest Rooms	Yes	2
Scribes for examination	No	Nill
Special skill development for differently abled students	No	Nill
Any other similar facility	No	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	26/09/2019	5	Swachhatahi Sewa under Unnat Bharat Abhiyan	Household and Village Level Survey	300

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for Employees	01/07/2019	1. Whenever any faculty is appointed by DAVCMC, the code of conduct is issued along with appointment letter. Copy of code of conduct is attached as Annexure-I. 2. Whenever any faculty is promoted, Code of conduct is issued to him/ her by the Institute. Copy of Code of Conduct is enclosed as Annexure-II. 3. Whenever any appointment of non-teaching employee is made by DAVIET, Code of Conduct is issued along with appointment letter. Copy of Code of Conduct is enclosed as Annexure-III.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Celebration of Rishi Bodh Utsav	21/03/2020	21/03/2020	300
Student Induction Program-2020	10/09/2020	22/09/2020	150
A webinar on contribution of Arya Samaj during covid organised at DAVIET	11/08/2020	11/08/2020	150
Student Induction Program-2019	15/07/2019	02/08/2019	250
A spiritual lecture by Acharya Raju Vigyanik ji at DAVIET	06/09/2019	06/09/2019	300
Hawana Yajna to spread societal harmony at DAVIET	10/11/2019	10/11/2019	300
Bhajan-pravachan sandhya at DAVIET	30/01/2020	30/01/2020	300

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

E-waste is followed as per Govt. Policy. ? Solar system is in place in the form

of street lights etc. ? Dustbins have been kept at all prominent places to keep environment ecofriendly. ? Water harvesting system is in place. ? Herbal garden in the campus. ? No vehicles are allowed to enter in academic area. ? A log book of all the trees is being maintained in the institute.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

TWO BEST PRACTICES I. Title of the Practice Earn While Learn Goal The objective of an initiative called Earn While Learn is to collaborate with industries and business owners to educate and develop the skill set of our students. The programme outlines the need to introduce new and innovative skills that arm the youths towards increasing our economic growth and competitiveness. "Earn while Learn" A Program for all the students where the student of various streams will get the opportunity to work in the institute premises while they pursue their regular curriculum. It will also help the students to get the industry exposure before completion of their regular studies. This Initiative is having a three-pronged impact. On the one hand, students are earning some extra pocket money while on the other, they are getting work experience and hands on training while studying, something that is missing in our education system. Students who work with us gain practical knowledge which would certainly prove to be beneficial when they move out of college. Most of the students tend to gain corporate experience while studying and then get into post graduate flagship programs. The traditional Bachelor's degreecentric model has limited utility in a world focused on workforce development. Therefore this initiative becomes an asset when they enter the fulltime job market. The practice thus developed have clear and coherent vision of what is essentially important to our students. Accordingly, we have organized the interviews for our students in the institute. • Many Corporate have participated and offered Part Time Jobs to our students based on their respective domains. • Dedicated Block/Labs facilitate in the Institute for the corporate's to establish their setup. • Regular Curriculum has been designed in a way, so the students will get an ample amount of time to work after completion of their classes. •Dedicated Institute Staff has been assigned to monitor the Progress of students on daily basis. Evidence of Students is that the students improved their communication skills, learn job specific Skills, Improve their creative thinking, and receive academic credit. They also learn how to interview for a job and develop a job network they can use to find work after graduation. As a result, students present stronger resumes to prospective employers and are better prepared to embark on a career. After getting practical exposure during studies, now they are in a position to compete for jobs, students having practical/industrial experience are hired more quickly, and are paid higher starting salaries than others competing in the market. Problems Encountered and Resources Required - Lack of resources and Less Practical exposure in the curriculum of regular studies is the problem. 'Learning by doing' and 'earning while learning' will become the most important pillar of the future of career development. Practical classrooms required which make the student job ready and enrich their path to a stable employment opportunity across multiple industries and sector both. Candidates must weigh their qualification and skill knowledge more wisely, because at the end what matters in job markets are skills and capabilities, and not just ranks and classroom knowledge. II. Title of the Practice Employability Skill Training (EST) Goal To enhance career specific skill set(s) of student(s) and to make them globally competent and employable in multinational industries. The context Employability Skill Training(EST) programs help students to understand the expectations of employers in the recruitment process and in the workplace. EST gives young people the opportunity to enhance their work readiness through different blocks of targeted training. Participating in training will help students to understand the expectations of employers in both the recruitment

process and as a new employee in the workplace. Hence, we have conducted Employability Skill Training(EST) program in the institute to make them Industry ready. In this practice the following initiatives are taken in order to strengthen the Industry-academia confluence: • Conduct of Industry Week every semester by all departments. • Constitution of Industry Advisory Board with an intent to seek quality inputs for going beyond the prescribed syllabus so as to suit the requirements of industry. • Conduct of a number of expert talks, workshops, training sessions by our alumni and experts from Industry. • Our industrial tie-ups with Microsoft, Texas Instruments, CISCO etc. also provide necessary industry exposure to the budding engineers. • We have hired the services of competent professional service providers for confidence building and soft skills training. In addition, we also have an adjunct faculty to groom communication and other soft skills as required for all round development of students. • Dedicated Training Placement/Corporate Relations Cell which maintains a healthy liaison with the topnotch industry. • Dedicated Centre for Entrepreneurship and Incubation. The centre aims to nurture the innovative entrepreneurial ideas of the budding technocrats to set up their ventures and thus enable them to be the job creators rather than job seekers. • The Institute has got the membership of CII (Confederation of Indian Industry) and JMA (Jalandhar Management Association). Evidence of Success • Our Students have placed upto a package of double digit in lacs. • DAVIET become the Host Institute of MSME for releasing grant upto 15Lacs. • Most of the eligible students got placed in Multinational companies. • DAVIET Students become the Entrepreneur and started their own startup. Problems Encountered and Resources Required 'Employability' indicates that a person possesses skills, abilities, and attributes to get a job, and to be successful in his profession, which will lead to overall development of the nation.Students must deliver what is expected from them by the industries. It is also expected that higher education should develop employability among the candidates. Although, education and employability are two separate things, but it has been assumed since long that possessing a higher degree and job specific skills will ensure of getting a good job.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.davietjal.org/wp-content/uploads/2021/06/Two-Institutional-Best-Practices-.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The institute has started focusing on the consultancy. The Civil Engineering Department of the institute has been awarded the consultancy by Amritsar Smart City Ltd. for NON DESTRUCTIVE TESTING OF OVERHEAD SERVICE RESERVOIRS (OHSRs) IN AMRITSAR CITY. The detail of the same is Ground water levels in major cities of Punjab have witnessed sharp decline in recent few years and the situation is worsening due to unregulated and over extraction of ground water. In order to check rapid decline and deterioration of ground water, Government has initiated the process to switch over to Surface water (Canal water) based water supply to provide treated potable water in Amritsar city. In this proposal, the Off take is proposed at Tarowali cross regulator and WTP near it on the land owned by Irrigation Department, GoP. This initiative also require a study of present water storage and supply distribution network of Amritsar city in order to gradually upgrade the existing water supply infrastructure to a robust and sustainable 24x7 surface water source based water supply system. There are 41 RCC Over Head Service reservoirs present in Amritsar city as a part of infrastructure available for water storage and supply distribution network of

Amritsar city. Some of these OHSRs are functional and some are non functional due to various reasons. A study is required to make an assessment of present condition and structural integrity of these OHSRs. Amritsar Smart City Ltd. (ASCL) a PMC for Amritsar Smart City has decided to prepare a report on condition assessment and structural integrity of OHSRs based on Non Destructive Testing. ASCL has awarded the work of preparation of above mentioned report to DAV Institute of Engineering Technology, Jalandhar. The objective of the study is to assess general insitu strength, concrete homogeneity, corrosion risk, Carbonation depth, Cover estimation, uniformity of surface strength. Following tests will be conducted in order to achieve the objectives: 1) Rebound test to evaluate the surface hardness of concrete 2) Ultrasonic Pulse Velocity (UPV)test to measure the sound velocity of the concrete and hence the compression strength of the concrete. 3) Core extraction and testing for in situ strength of concrete 4) Cut And Pull Out (CAPO) Test for in situ strength of concrete 5) Carbonation Test – to estimate depth of carbonation 6) HalfCell Potential Survey to detect the corrosion potential of reinforcing bars in concrete. 7) Visual inspection for condition assessment.

Provide the weblink of the institution
https://www.davietjal.org/daviet-completes-non-destructive-testing-of-overhead-service-reservoirs-ohsrs-in-amritsar-city-under-smart-city-project/

8.Future Plans of Actions for Next Academic Year

Soil is a living medium which serves as a natural nutrient source for growth of plants. The components of soils are mineral, organic matter, water and air, the proportions of which vary and together form a system for plant growth. Soils are studied and classified according to their use. Soil surveys are made for Natural Resource Management and soil testing is conducted as part of Fertilizer Use and Management, powered by improved varieties of seeds, application of fertilizers and assured irrigation. The existing NPK consumption ratio in the country is skewed at 8.2:3.2:1 (2012-13) as against the preferred ratio of 4:2:1. A great variability is observed in fertilizer consumption among States from 250 kg / ha in Punjab, 212 kg / ha in Bihar, 207 kg / ha in Haryana to 4.8 kg / ha in Nagaland and 2 kg / ha in Arunachal Pradesh in nutrient form during 201213. However, imbalanced application of fertilizers have caused deficiency of primary nutrients (i.e. NPK), secondary nutrients (such as sulphur), and micronutrients (boron, zinc, copper etc.), in most parts of country. The excessive use of fertilizers in Punjab has become a sensitive issue .Nitrogen based fertilizers like urea, which have been instrumental in increasing crop yields in India, are now turning into potent destroyers by polluting land and water, affecting people's health and leading to climate change. In order to address the problem DAVIET plans to launch Soil Health card scheme for farmers of Jalandhar District which will carry crop-wise recommendations of nutrients and fertilizers required for the individual farms to help farmers to improve productivity through judicious use of inputs. The card will carry the information on EC, pH, Phosphorus,Nitrogen, Potassium micro nutrients which is very important for judicious fertilizer application.All soil samples are to be tested in specific soil testing Lab to be established in DAVIET. Thereafter the experts will analyse the strength and weaknesses (micro-nutrients deficiency) of the soil and suggest measures to deal with it. The result and suggestion will be displayed in the card. SHC is a printed report that a farmer will be handed over for each of his holdings. It will contain the status of his soil with respect to 12 parameters, namely N,P,K (Macro-nutrients) S (Secondary nutrient) Zn, Fe, Cu, Mn, Bo (Micro nutrients) and pH, EC, OC (Physical parameters). Based on this, the SHC will also indicate fertilizer recommendations and soil amendment required for the farm.