



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

KHALSA COLLEGE OF ENGINEERING AND TECHNOLOGY

C-BLOCK, RANJIT AVENUE, NEAR M.K. HOTEL

143001

www.kcet.co.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

January 2022

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

We are privileged to be a part of the prestigious Khalsa College Charitable Society Amritsar, which is a brand ambassador of excellence in education in the region. Way back in 1892 Khalsa College Educational Society was registered under Societies Registration Act XXI of 1860 as a non-profitable, non-commercial, charitable society. The Society at present is running 19 Educational Institutions including Schools and Colleges with a total intake of more than 24,000 students. The Khalsa College of Engineering and Technology is efficiently managed by Khalsa College Charitable Society, Amritsar with more than 100 members as its Governing Council including many eminent educational administrators, educationists, industrialists, and public men of great eminence and repute with long experience of establishing and managing educational institutions including technical and professional education.

Established by this legendary Khalsa College Charitable Society in the year 2009, Khalsa College of Engineering & Technology is fast emerging as a dream destination for technical education in the sacred city of Amritsar. Sprawling over an area of 10 acres in the posh locality of Ranjit Avenue, the lush green campus houses aesthetically designed, colossal college building, hostels, workshops, a modern, fully-automated library, seminar halls, spacious classrooms, and well-equipped laboratories with cutting edge technology and latest software, instruments and machines. Every day at this premier institution is a day of discovery and innovation as we encourage creativity in young minds. Our teaching pedagogy, open-door policy, special emphasis on add-on skills to supplement the university curriculum make it a unique learning center for the students from all over India and abroad. The philosophy which guides KCET is panoramic in vision and encompasses the best. With its state-of-the-art infrastructure and highly-qualified and committed faculty, KCET is opening up new vistas of learning and career opportunities for engineering enthusiasts. As per the New Educational Policy 2020 guidelines, the college has made a move towards a Multi-disciplinary college with effect from session 2021-2022. With Reference to the link below

<https://www.kcet.co.in/AICTE.php>

The college has now applied for the accreditation and assessment of the Engineering courses only which the college has been running since its inception in 2009.

Vision

The vision of Khalsa College of Engineering & Technology is to spread the benefits of quality-oriented technical education to the youth of Punjab, especially from the rural Punjab on the basis of access & equity in consonance with the tenets of Sikh Gurus' welfare and well being of all and emerge as a Centre of Excellence in technical education and research.

Mission

Our Mission is to produce professionals, who are creative and highly skilled with an international outlook and who are confident to contribute to the welfare of Nation and humanity at large with an ambience of academic

excellence in which research and scholarship flourish to provide innovators and leaders of tomorrow for societal and human good.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Advantageous campus location in the heart of the city.
- Whole-hearted support to worldwide green energy initiatives through Solar Powered energy needs of the college.
- Green and environment-friendly campus.
- Excellent Academic results with several Top Positions in University Year after Year
- Study conducive, student-oriented, zero-tolerance ragging free environment
- Special focus on holistic development of the students beyond classroom activities.
- Active engagement in outreach activities for the students.
- Minimal drop rate.
- Well-developed mentoring system for the students to take care of their intellectual, emotional, and spiritual quotients.
- E-governance in all areas of educational activities and operations, including online student management systems related to university norms.
- Total transparency in all activities adhering to university, AICTE, and government rules and guidelines.
- Decentralized, participative management in academic, financial, administrative, and auxiliary functions.
- The institute facilitates the use of MOOC/e-pathshala/NPTEL resources for extra help to faculty and students.
- Nodal Centre for IIT-Bombay Spoken Tutorial Project.
- Highly efficient Testing and Consultancy Lab. for providing Consultancy Services in the State of Punjab
- Exclusive Entrepreneurial Development Cell (EDC) to promote entrepreneurial spirit in the students.
- To provide a vibrant innovative environment, and to systematically boost and foster the culture of innovation among the faculty and students, the college has established Institute Innovation Cell under the aegis of the Ministry of Education with effect from 2020-2021
- Devoted Training & Placement Cell to provide continuous training& prestigious placements for students in MNCs/PSUs/Banking/Indian Army and State services.
- Regular guest lectures, workshops, seminars, webinars, and interaction with experts from academia and industry.
- The practice of promoting universal human values and social harmony.
- Virtual parent scheme for mentoring and student care & well-being.
- Effective grievance redressal system for students and staff members.
- Multiple welfare measures for students, teaching, and non-teaching staff.
- Incentive-based focus on the professional development of faculty.
- Professional, proactive, and highly supportive Management with the brand legacy of 130 plus year legendary Khalsa College Charitable Society, Amritsar.

Institutional Weakness

- Lack of Research Project grants from Govt. agencies for developmental projects.

- Limited industry-academia interaction.
- Minimal industry funding.
- Collaborative researches with national and international institutions need to be explored.
- International academic tie-ups need to be strengthened at an institutional level.
- Being a self-financed institution, government funding is conservative.
- Technology incubation to transfer the technology to industries.

Institutional Opportunity

- Sponsored research projects from non-government funding agencies/industries.
- Student and teacher exchange programmes with foreign universities.
- MOUs with top ranking universities and research institutions.
- Strategic tie-ups with the corporate sector.
- Enhancement of placement activities.
- To design and implement social outreach programmes.
- More initiatives for online courses to encourage students to get global exposure.
- To establish Incubation Centre to promote innovation and entrepreneurial activities in the college.
- Contribution to green energy initiatives.

Institutional Challenge

- Fast changing technology and pedagogical innovations.
- Keeping pace with global developments in higher education and research.
- Meeting the quality standards of the industry to develop an effective industry-academic interaction.
- Need to sustain value-based quality education at an affordable cost.
- 100 percent paperless working in the college to save trees and the environment.
- Linking the research outcome to industry applications
- Changing admission scenario in engineering and technology due to the wide availability of other professional programs and migration of students after +2 to aboard especially in Punjab state.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Khalsa College of Engineering and Technology is affiliated to the IKG-PTU Jalandhar and follows the syllabus prescribed by it. The University Academic Calendar is followed in letter and spirit by the college. For effective implementation of curriculum, the individual teacher plan, syllabus breakup, and course files are prepared by the corresponding faculty according to the university criteria. The attendance is marked progressively along with the date, period number, and signature of subject in-charge. Each student is required to attend a minimum of 75% of the scheduled lectures in each subject to become eligible to appear in University Examination for that subject. For the sake of familial relation with the students or positive teacher-student relationship, Institute has adopted a virtual parenting scheme. Regular meetings are conducted with students and their parents for guidance regarding their academic performance and personal hitches. The college strictly adheres to a transparent and continuous internal evaluation system. At institute level, the periodic internal assessments are prepared on the basis of mid-semester tests, intermittent attendance, class tutorials, and assignments. The

college conducts various courses that integrate crosscutting issues as part of the curriculum prescribed by university. This course encourages students to imbibe the moral and ethical values which are important for their present and future life as professional engineers. The feedback on syllabus is regularly collected from the stakeholders through the college website online link. The feedback is analyzed and action suggested and report is also uploaded on the website.

Teaching-learning and Evaluation

The admission procedure of the Institute is governed by the All India Council for Technical Education which promotes diversity, transparency, and inclusion during admission. Institute follows the guidelines provided by I.K.G.PTU regarding reservation policy and merit-based admissions at Institute level. As students with diverse academic and socio-economic backgrounds are admitted, special efforts are made to assess their learning levels through various means such as their performance in qualifying examination, proficiency test, feedback from Teacher Guardians, etc. Slow learners are provided extra guidance and counseling to improve their performance. Advanced learners are encouraged to enroll for online courses on various platforms like NPTEL, Coursera, Edx, and Swayamto participate in competitions like Hackathon, etc. This helps the slow learners to improve their performance and advanced learners to excel. Through the initiatives of IQAC, Outcome Based Education (OBE) has been implemented in the teaching-learning process. Carefully designed Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) are displayed and communicated to the stakeholders through various means. Various student-centric pedagogies like active learning, collaborative learning, project-based learning, experiential learning, and Instructional Scaffolding are used in the teaching-learning process. Institute maintains its pace with the technical development and modernization in educational communications and utilizes them for effective learning and evaluation. The Institute is well equipped with an excellent ICT infrastructure and all faculty members utilize it effectively to help achieve the desired learning outcomes. Attainment of learning outcomes is evaluated in a structured manner using direct and indirect assessment tools. The recruitment process of the staff is done as per AICTE norms and is totally transparent and unbiased without having any discrimination on the basis of region, caste, religion, and creed. Grievances are addressed by a well-defined procedure. The process for continuous internal evaluation is transparent and robust. A well-defined mechanism exists, both at the Institute and University level, for timely redressal of grievances related to examinations and evaluation. Excellent infrastructure, dedicated and motivated faculty and staff, individual attention and mentoring, and focus on student-centric academic processes have resulted in consistently excellent academic results over the years.

Research, Innovations and Extension

Khalsa College of Engineering & Technology received grants from recognized government bodies for organizing conferences for showcasing the research work of faculty and students. The institute provides monetary incentives to the faculty who upgrade their qualifications in service by engaging in research. Institute Innovation cell (IIC) is also established as per guidelines of the Ministry of Education Innovation Cell for promoting startups and innovative ideas in order to inculcate entrepreneurial capabilities among the students.

Our faculty has published more than 200 papers in referred Journals and more than 55 papers/ books/chapters published in International/National Conferences. Our management encourages teachers to pursue higher studies along with the job.

More than 65 Workshops/Seminars/webinars/FDPs/ Conferences have been organized in the institution. The

College bears all the expenses, for patent filing in India and subsequent implementation, grant, and maintenance, to all its students and staff. One Australian Innovation patent has been granted in 2020 with Patent number: 2020104297 to a project entitled “Self-driven Trolley” done by Dr. Manju Bala, Er. Prabhdeep Singh and Dr. Kiran Deep Singh. The Director of the college Dr. Manju Bala herself is a reputed scholar and she has supervised 7 research scholars in Ph.D. and 26 in M Tech. The college students have won a number of Best project awards from ISTE.

The Institution is successfully running NSS and NCC units comprising of approximately 200 student Volunteers on its roll. The institute believes in community development and service to society and grooms up students so that they can become valuable and responsible citizens. The institute received more than 16 awards and recognition from government and non-government bodies.

KCET has alliances with many NGOs like Eco-Sikh, Dalbir Foundation, Voice of Amritsar, Nehru Yuva Kendra, etc. The students actively participate in community development programs such as blood donation camps, tree plantation drives, awareness-raising rallies against Drug Addiction, cleaning the roads to make them litter-free during processions, etc.

The institute successfully owned collaboration with ISTE, IEEE, NPTEL, IIT BOMBAY spoken tutorial, NIT Jalandhar, etc. More than 15 MOUs successfully run by the institute for the conduction of various activities.

Infrastructure and Learning Resources

Khalsa College of Engineering & Technology is a newly established college by Khalsa College Charitable Society Amritsar, a reputed name in education in north India. It has all the ultra-modern infrastructure facilities required for a technical institute as per the AICTE specifications. The college has 24 classrooms, 1 seminar hall 41 laboratories, 5 workshops, 2 drawing halls, automated central library, conference hall, admin block, Principal’s residence, a yoga center, open gym, and well-groomed sports grounds. The College has additional infrastructure for running new courses (UGC Approved/Non-AICTE Courses) started w.e.f July 2021-2022. It has additional 21 classrooms, 12 Labs, 3 All propose halls, 12 Faculty rooms, NCC room, Secrecy cell, and 7 washroom bocks. The College provides well furnished, modern, comfortable, spacious hostel accommodation separately for Boys and Girls hostel with a capacity of 150 students each. All the classrooms have Wi-Fi/LAN facilities. All the departments have projectors for IOT based lectures. The college also installed a Solar plant of 250KW to supply green and clean energy to reduce pollution. The Engineering College library subscribes to e-journals, NPTEL, and databases. IT facilities are updated on regular basis as a policy matter. The student—computer ratio is 1:1.3. The college has adopted a time-tested methodology for the maintenance and upkeep of this mammoth infrastructure with the help of the Works Department under the charge of qualified and trained staff. Every department has its stock register for each lab which is audited and verified at the end of each semester by the lab teacher in charge and the HOD.

Student Support and Progression

The College provides financial assistance through Scholarships and free ships to students under various schemes. On an average 30% of students admitted every year get benefited by this facility. 403 students belonging to scheduled caste/scheduled tribe have been studying in the College under Scholarship schemes of the government of India. 08 students have received fee waivers from IKGPTU while 40 students have received scholarships from All India Council for Technical Education in various branches of Engineering. 96 students

recommended by the College on the basis of merit cum means have received scholarships from Nishkam Sewa Trust. 279 students have received scholarships for obtaining top positions in the IKGPTU Exams to the tune of Rs. 30,000, 15,000, and 10,000 respectively for achieving First, Second and Third position in the university and for being college toppers in various branches. 73 students from economically weaker sections have received total free-ship from the Khalsa College Charitable Society.

The holistic development of students can be seen in their achievements in the field of extra-curricular and sports activities. Students have received many awards at various platforms over the years. A large number of students are studying Post Graduate courses in Indian and Foreign Universities. Quite a good number have got prestigious placements in major PSUs, Banks, Indian Army, Merchant Navy, MNCs like ORACLE, Infosys, HCL, Cap Gemini, TCS, DELL, Tech Mahindra, Accenture, etc.

Career Counselling of students is done by Virtual Parents and the Admission Committee. There is a strong mechanism of handling grievances through the Student Grievance Cell.

Governance, Leadership and Management

Khalsa College of Engineering and Technology has a well-defined and meaningful Vision and Mission statement which tries to justify it through properly executed work culture and functionality at all levels of administration and management. Stated Objectives are kept in mind to satisfy all the stakeholders in the noble task of the spread of education among the poorest of the poor.

The Governing Body of the college forms policies and plans for the development and growth of the college and decisions are implemented by the Director in letter and spirit with the active help of Deans, HODs, and faculty through responsible partnership format.

Major strategy development and deployment of key issues is planned and executed through collaborative principle. The Management decision to admit a large number of meritorious students of Economically Weaker Sections of the society fully justifies the Institutional Mission Statement.

Khalsa College Charitable Society is a philanthropic society devoted to the noble cause of spread of education for more than 129 years and is running more than 19 institutions. As such, it has well- defined rules and standard procedures to manage its institutions.

The Management takes active interest to empower its teaching faculty through a large number of beneficial schemes so that they can enhance their qualification and improve their scholarship for the benefit of the student community by adopting modern technology in their teaching practices in the classroom. Participation in FDPs is encouraged on regular basis. A standard annual appraisal system is followed to assess the growth of the employees. Student feedback forms an important part of the evaluation process.

No institution can take strides if it does not adopt Internal Quality Assurance Policy. The college has constituted a high-powered committee to maintain quality at all levels in the college affairs. Academic audit is a regular annual exercise to keep track of the quality parameters

Institutional Values and Best Practices

Our institute puts great effort to maintain and provide an inclusive environment where men and women, students, faculty, and non-teaching staff can work together in an atmosphere free of gender violence, sexual harassment, and gender discrimination and with a sense of personal security and dignity. We are committed towards the holistic development of our students and we inculcate the values of peaceful coexistence and universal brotherhood amongst our students. Students from different religions, communities, and states are part of our family who gets opportunities to coexist with students from other communities. Various events like seminars, workshops, webinars, are held around the year to sensitize faculty, staff, and students about sensitive issues related to gender, caste, creed, religion, and region. While focusing on the holistic development of students we make sure that they turn out to be law-abiding and responsible citizens.

The institute works towards the waste management. To minimize the use of fossil fuel energy, we have installed 250Kv Solar power plant to supply green and clean energy. We also have a rainwater harvesting system. Working towards a green environment we have a green campus initiatives policy. Also since we are working for better health and environment we work towards organic farming.

In consonance with our vision and mission, 73 students from economically weaker sections but from meritorious schools have been provided totally free engineering education (Batch 2016-2020). Every year a large number of our students obtain merit positions in university and are given scholarships.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	KHALSA COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	C-Block, Ranjit Avenue, Near M.K. Hotel
City	Amritsar
State	Punjab
Pin	143001
Website	www.kcet.co.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Director	Manju Bala	0183-5030760	8198005500	0183-2506969	kcetamritsar@gmail.com
IQAC / CIQA coordinator	Loveleen Kaur	0183-5030765	9779463618	-	loveleencse@gmail.com

Status of the Institution	
Institution Status	Private and 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	
Date of establishment of the college	01-01-2009

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

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

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
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	30-06-2021	12	

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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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?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	C-Block, Ranjit Avenue, Near M.K. Hotel	Urban	10	18393

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 Engineering	48	Senior Secondary	English	60	42
UG	BTech,Mechanical Engineering	48	Senior Secondary	English	60	5
UG	BTech,Civil Engineering	48	Senior Secondary	English	60	6
UG	BTech,Electronics And Communication Engineering	48	Senior Secondary	English	30	0
UG	BBA,Management Of Studies	36	Senior Secondary	English	30	7
UG	BCA,Management Of Studies	36	Senior Secondary	English	30	16
UG	BSc(Agriculture),Agriculture	48	Senior Secondary	English	60	12
UG	BHMCT,Tourism And Hospitality	48	Senior Secondary	English	60	11
UG	BTTM,Tourism And	48	Senior Secondary	English	30	0

	Hospitality					
UG	BSc,Paramedical Science	36	Senior Secondary	English	30	30
UG	BSc,Paramedical Science	36	Senior Secondary	English	30	14
UG	BSc,Paramedical Science	36	Senior Secondary	English	30	29
UG	BTech,Artificial Intelligence And Machine Learning	48	Senior Secondary	English	30	0
PG	MSc,Paramedical Science	24	Bachelor Degree in Radiology and Imaging Technology	English	30	6
PG	MSc,Paramedical Science	24	Bachelor Degree in Anaesthesia and Operation Theatre	English	30	2

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	7				10				57			
Recruited	1	2	0	3	3	3	0	6	26	31	0	57
Yet to Recruit	4				4				0			

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				14
Recruited	7	4	0	11
Yet to Recruit				3

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				17
Recruited	15	0	0	15
Yet to Recruit				2

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	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	2	0	3	3	0	0	0	0	9
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	23	31	0	54

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD	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

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	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	3	0	0	3

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	1	1	0	2	

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	58	55	0	1	114
	Female	34	22	0	2	58
	Others	0	0	0	0	0
PG	Male	0	5	0	0	5
	Female	0	3	0	0	3
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	11	9	13	18
	Female	2	2	2	15
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	4	11	6	8
	Female	2	5	0	3
	Others	0	0	0	0
General	Male	32	19	40	29
	Female	4	12	5	8
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		55	58	66	81

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>As per the New Education Policy 2020 guidelines, Khalsa college has made a move towards being a multidisciplinary/ interdisciplinary college w.e.f session 2021-22 by starting following AICTE Courses, UGC Approved/ Non- AICTE Approved courses: AICTE Approved Courses: B. Tech in Artificial Intelligence and Machine Learning Non-AICTE (UGC Approved Courses) Merged by I.K.G PTU (affiliating University from session 2021-22): 1. B.Sc. Honours. (Agriculture) 2. Bachelor's in computer applications (BCA) 3. Bachelor of Hotel Management & Catering Technology 4. B.Sc. (Medical Lab Science) Non-AICTE (New UGC Approved course) from session 2021-22 started 6. Bachelor of Business Administration (BBA) 7. B.Sc. (Radiology & Imaging Technology) 8. B.Sc. (Medical Technology -Anaesthesia &Operation Theatre) 9. M.Sc. (Radiology & Imaging Technology) 10. M.Sc. (Medical Technology -Anaesthesia &Operation Theatre) In preparation of NEP2020 Implementation, the College has already raised Additional Infrastructure for running new courses (UGC Approved/Non-AICTE Courses) started w.e.f July 2021-2022. It has additional 21 classrooms 12 Labs 3 All propose halls 12 Faculty rooms, NCC room, Secrecy cell, and 7 washroom bocks.</p>
2. Academic bank of credits (ABC):	<p>The college is affiliated with IKGPTU, Kapurthala and whenever we receive any guidelines and instructions from the university, Academic bank of the credit will be credited in the college.</p>
3. Skill development:	<p>Already the college has started focusing on Multiskill development of the students to enhance their employability so that they can get gainful employment or become successful entrepreneurs Besides their course curriculum, the following languages and technologies are being taught as Add on skills or Mooc courses like Soft skills, Python, C++ with gaming, cyber security, Internet of Things,(IoT), Smart Devices and mobile Emerging Technologies, Big Data, AI Machine learning, Basics of MATLAB, Robotics, ARDUINO Programming, BIM Application for Engineers, Mechanics of Materials, 3D Modelling from Architectural, Drawings, Disaster Preparedness, Electrical Discharge Machining, Surface Engineering of</p>

	<p>biomaterials, Computer-Aided Design, Emerging trends in biomaterials, etc. The College has sufficient human resources and other resources to continue teaching skill development as per the needs of the time and industry.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>Khalsa College of Engineering and Technology, Amritsar promotes Indian culture Especially Sikh Culture by integrating Indian cultural & Ethical Values and Traditions along with student curriculum. by Teaching them Human Values & Professional Ethics through Precept and Practices. We Believe in “vasudhaiva kutumbakam” i.e “Whole world is one Family” and Sikh tenet of” Welfare and well-being of all” (sarbat da bhala) .Lectures, workshops, and online Webinars & Expert talks, are orgaonised to inculcate the value of peaceful coexistence and universal brotherhood. The college has a Divinity Hall, and each Academic session begins with ‘Ardas Divas’ (Prayers and Blessings Day) followed by a community kitchen (Guru Ka Langar). on the principles of Caring and Sharing. All-important days of historical importance such as Guru Nanak’s birthday, Guru Teg Bahadur’s Martyrdom Day, etc. are celebrated in the main gurudwara sahib of Khalsa college. We have our own KCGC TV Channel and YouTube channel where such programs are shared with general public & all Khalsa Institutions</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>Our institute already follows outcome-based Education system. The Program outcomes are designed as per NBA and program specific outcomes are designed by the respective departments while course outcomes are designed as per the guidelines of IKG-Punjab Technical University. Apart from being uploaded on the website the PO’s and PSO’s have also been displayed permanently outside the head of the department office and COs are conveyed by the teachers in classroom intrastation when they start teaching particular course. Bloom’s Taxonomy is followed while setting question Papers. Mapping of Questions in MST’s is done with Co’s of the Subject the attainment of Po’s, PSO’S and CO’s is calculated in each department for all subjects. The evidence of our student learning outcomes is clear from their excellent academic results and their placements in top ranking companies</p>
<p>6. Distance education/online education:</p>	<p>The college has been approved as a Logistics support</p>

for the online education of IKGPTU, ITS affiliating University, and the services are already being provided by the college. The college has received special appreciation from IKGPTU for providing excellent online teaching during Covid Pandemic year 2020-2021 through various platforms. Google Meet, Microsoft Teams, Zoom, Loom, YouTube, Nptel, etc.

NAAC

Extended Profile

1 Program

1.1

Number of courses offered by the Institution across all programs during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
212	212	212	197	197
File Description		Document		
Institutional data prescribed format		View Document		

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
15	15	15	15	15

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
195	296	348	452	559
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
115	115	115	115	115

File Description	Document
Institutional data in prescribed format	View Document

2.3

Number of outgoing / final year students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
57	152	95	143	150

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
46	45	43	43	51

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
48	48	48	65	61

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 25

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
34.26	73.14	142.42	148.32	163.98

4.3

Number of Computers

Response: 270

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

Response:

Khalsa College of Engineering and Technology is affiliated to the IKG-PTU Jalandhar, and follows the syllabus prescribed by it. Board of studies for various disciplines of IKG-PTU constitutes the curriculum review committees from time to time and the syllabus is revised keeping in mind the need of the industry and other stakeholders. The Director of the institute, who is a reputed research scholar, is a member of the Board of Studies and other curriculum review committees.

- 1.The academic calendar of the university is followed by college. Dean Academics in consultation with H.O.Ds of different departments prepares the college calendar for technical events and other co-curriculum activities in line with university academic calendar for the particular academic session.
- 2.Time table, work load and requirement for faculty (if any) are prepared by all H.O.Ds and time table co-ordinators of all the departments well in advance before the start of the session.
- 3.Departmental time table is prepared by the work load calculation of assigned theoretical and practical subjects, which are allocated on the bases of expertise and choice of faculty members. After that, the consolidated time table is prepared by the over-all time table incharge of college.
- 4.Academic calendar, departmental time table and class wise time table are displayed on the notice board as well as on the Institute website. Time Table of the College is strictly followed without any lapse.
- 5.The number of periods allotted is according to the course scheme as given by the university. However, our college has an excellent tradition of giving one or two extra periods or tutorials so that the course content is effectively delivered in the classes.
- 6.For effective implementation of curriculum, the individual teacher plan, syllabus breakup and course files are prepared by the corresponding faculty according to the university criteria.
- 7.The Institute conducts mid-semester tests according to the academic calendar provided by the university. The mid-semester tests results are also used to identify the slow and fast learners in the class on one to one basis. Assignments based on the important topics, books and e-resources are given to students.
- 8.The tutorial classes are conducted every week and predetermined in the timetable for evaluation of class performance.
- 9.Extra theory/practical classes, expert/Guest lectures, workshops, industry exposure programmes are conducted to nurture innovativeness among students.
- 10.For the sake of cordial relation with the students or positive teacher-taught relationship, Institute has adopted virtual parenting scheme.
- 11.Each student is required to attend a minimum of 75% of the scheduled lectures in each subject to become eligible to appear in University Examination for that subject. If a candidate fails to meet the

attendance requirements, he/she stands debarred from appearing in the University Examinations in that specific subject.

File Description	Document
Link for Additional information	View Document

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

The college strictly adheres to the university academic calendar and follows the schedule provided for a transparent and continuous internal evaluation system. At the institute level, in order to implement the continuous evaluation of students, the periodic internal assessments are prepared on the basis of mid-semester tests (MSTs), intermittent attendance, class tutorials and assignments. The schedule of internal assessments and the entire evaluation process is explained to students at the commencement of the academic session as prescribed by university through orientation/induction programme.

As per IKG-PTU norms, two internal tests are conducted based on the completion of syllabus modules and both tests have equal weightage. Average of both MSTs is counted for awarding the internal marks. The date of MSTs along with the marks obtained by each student is recorded in the attendance register.

Separate departmental level examination superintendents are appointed for conducting the internal examination smoothly. Under the guidance of HOD, the internal examination superintendent controls the entire departmental examination process. The date sheet is prepared and displayed on Departmental Notice Board one week before the beginning of exams. The subject teacher prepares the question papers that cover equal number of questions from each unit, covering all the topics and ensuring the proper implementation of course objectives. Instructions regarding this are circulated to all departments by Dean Academics. During MSTs, the attendance records and documentation of answer sheet are prepared appropriately. Internal examination superintendent ensures smooth conduct of the test and proper distribution of answer books to respective subject teachers. The results are declared within 48 hrs. The evaluated answer books of MSTs are distributed to the students, feedback is given to them about the evaluation and they can seek clarification regarding evaluation. After giving feedback, the duly signed answer sheets by the students are collected and deposited in secrecy cell of the college. The class attendance and the marks of the students are informed to the parents via post and e-messages. During one term, three assignments are given according to equal division of the module and taken back within the set period.

In order to adhere to continuous internal evaluation system, the record of the students is maintained by their virtual parent and the regular meetings are conducted with the students for ensuring that students do not face any road blocks related to their overall growth.

The evaluation of the total internal marks is framed by taking the average of the mid-semester test marks,

assignments, attendance and viva-voice conducted at the end of semester. All the internal assessments are analysed by the scrutinizing committee at the end of the semester. The IKG-PTU to which the college is affiliated also constitutes a Rationalization committee to inspect the internal assessment prepared by every department. This committee visits the college before the start of the examination and checks the internals prepared by the college.

File Description	Document
Link for Additional information	View Document

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

Response: C. Any 2 of the above

File Description	Document
Institutional data in prescribed format	View Document
Details of participation of teachers in various bodies/activities provided as a response to the metric	View Document
Any additional information	View Document
Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100

1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 15

File Description	Document
Institutional data in prescribed format	View Document
Link for Additional information	View Document

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 17

1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.

2020-21	2019-20	2018-19	2017-18	2016-17
8	4	4	1	0

File Description	Document
List of Add on /Certificate programs	View Document
Brochure or any other document relating to Add on /Certificate programs	View Document
Any additional information	View Document
Link for Additional information	View Document

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 45.52

1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
127	238	234	67	0

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	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:

The college conducts several courses that integrate crosscutting issues as part of the curriculum prescribed by the university. These courses thoroughly cover issues related to gender sensitivity, human values, environment sustainability and ethics.

The university curriculum has incorporated human values and ethics through the course Human Values & Professional Ethics (HVPE-101). This course encourages students to imbibe the human values which are important for their present and future life as professionals. The values which are essential for a harmonious human life are ingrained in the mind of the young students and the faculty through regular workshops, FDPs and expert talks.

The university curriculum has also incorporated environment sustainability issues through the course Environmental Science (EVSE-101), which is part of scheme of each programme. This course covers the local, regional and global environmental problems related to over-exploitation of resources. It also describes the threats to global biodiversity, their implications and potential solutions from unsustainable to sustainable development. The college makes laudable efforts to involve the students in environment related activities such as tree plantation drives, cleanliness camps, rain harvesting etc.

For the holistic development of students, the Institute offers the course related to Humanities & Social Sciences i.e. Foundation Course in Humanities (Development of Societies/Philosophy) (HSMC 101-18). This subject provides the evaluation from a holistic perspective along with the thorough understanding of social, political, economic chronology or development in human being and society.

Mandatory courses that include Constitution of India (BTMC 101-18) and Essence of Indian Traditional Knowledge (BTMC 102-18) provide the contents associated to constitution law and constitutionalism under the Scheme of the Fundamental Right to Equality (Gender discrimination).

The university offers the Mentoring and Professional Development courses for students in various semesters. The mentoring course is divided in two sections i.e. outdoor activities and class activities. The class activities contain general awareness on cross-cutting issues and current affairs via seminars tutorials and workshops, whereas, outdoor activities include various camps and drives which are associated with different clubs of the college i.e. NSS, NCC, fine arts cultural, sports. The college faculty has life time ISTE memberships and IEEE student chapter under which various activities are conducted.

The college makes a continuous effort in integrating cross-cutting issues apart from curriculum to achieve holistic development of the students. Students are made conscious of organizing activities like blood donation, tree plantation, cleanliness drives, etc under National Social Service (NSS). The college Eco-club

is functioning efficiently under the aegis of Eco-Sikh Amritsar, which is a chapter of the Eco-Sikh US. The members of the club not only help to keep the college green and clean, but also offer volunteers services to organize litter free, eco- friendly religious processions in the city.

The institute maintains the proper atmosphere to facilitate a gender-sensitive and congenial working environment so that women employees and female students are not subjected to any gender specific discrimination. The institute is running the Woman Cell and Grievances Redressal Committee for sorting out their problems if any.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View Document
Any additional information	View Document

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 42.24

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
89	89	89	84	84

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document

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

Response: 92.31

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

Response: 180

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni

Response: E. None of the above

File Description	Document
Any additional information (Upload)	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback process of the Institution may be classified as follows: Options:

1. Feedback collected, analysed and action taken and feedback available on website
2. Feedback collected, analysed and action has been taken
3. Feedback collected and analysed
4. Feedback collected
5. Feedback not collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 40.42

2.1.1.1 Number of students admitted year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
55	58	66	81	225

2.1.1.2 Number of sanctioned seats year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
240	240	240	240	240

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 27.13

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

2020-21	2019-20	2018-19	2017-18	2016-17
19	19	21	44	53

File Description	Document
Average percentage of seats filled against seats reserved	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

Students are normally assessed by interaction and counseling at the time of admission and teacher's personal interaction in the class. Mentor-Mentee Interactions, personal interactions in the classrooms and class tests are key methods by which the teacher ascertains the learning levels of the students. Some teachers also conduct a diagnostic test to assess the learner variables in their class. Students are assigned to a faculty who acts as their mentor. Personal and academic care is completely taken by that mentor. Mentor communicates regularly with them and sends sms alerts regarding performance of the students to their parents. Assignments are given in the first month to assess the ability of the learners. On the basis of these observations, learning levels of the students are identified and they are classified as Slow Learners and Advanced Learners, without telling the students, this classification being limited to the teachers and their use only.

Further classifying in details, Advanced learners and Slow learners are identified on the basis of involvement in classroom, performance in previous university exams and first internal test. Students who score marks below 40% are categorized as slow learners and who score above 75 % are categorized as advanced learners. Departments conduct remedial classes for slow learners beyond the regular class hours to clarify doubts and exposition of difficult topics for improving performance. Faculty members revise the tough topics as per the student's requisition, provide class notes, provide university question banks and discuss the way of presenting the answers in the exam to score marks.

The Students showing the tendency for advanced learning are provided with additional supportive materials such as list of reference books, research/review articles etc. Students are encouraged to be members of professional bodies and organize technical events. They are advised to participate in Debate, group discussions, technical quizzes, in making presentation, new projects and seminars to develop analytical and problem-solving abilities in them and thereby, to improve their presentation skills. At every step advanced learners are encouraged to take active participation in extracurricular and co-curricular events conducted by various institutions. They are encouraged to learn new technologies, develop projects, carry out research activities; National and International paper presentations etc. They are also guided to take up additional courses viz. NPTEL courses, MOOCs, ORACLE Certification, and Microsoft Certification etc. Those who notch top positions in the university are awarded certificates and cash prizes of Rs 30000, Rs 22500 and Rs 15000 to first, second and third position respectively by the Khalsa College Charitable Society. Similarly who stand 1st in their branch in the semester are given an incentive of 25% of the tuition fee. In order to motivate both the slow learners and advanced learners, workshops are organized to enhance their skills. With the active participation of advanced learners as coordinators, both set of students get benefited. The institute regularly organizes various programmes like Seminars, Guest Lectures, Expert Talk, Industrial visits and Webinars for the growth of both the slow learner and advanced learner students.

File Description	Document
Past link for additional Information	View Document

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)	
Response: 4:1	
File Description	Document
Any additional information	View Document

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
<p>Response:</p> <p>The college has made a regular academic practice to use the student-centric method of learning in all programs as student-centric learning methods enhance the lifelong learning skills of the students. The college is committed to using suitable student-centric learning methods for enhancing the learning experiences of the students by adopting the below-mentioned methods.</p> <p>Experiential Learning: The students of the institute actively engage in experimental and laboratory work to get insight into what they learn in the theory classes and can experience them through practical classes. They work with machines, equipment, devices of various labs. They also learn various software related to their respective streams to meet the requirements of the fast-changing technologies. Microsoft Campus Agreement, Dream Spark Subscription, Corel Suit, Turbo C++, Adobe Photoshop Element, Oracle Academy Membership, AutoCAD Inventor, Auto cad, Autodesk, Creo, StadPro, etc are the software available in the labs which helps them in experimental learning. Various Workshops, Training programs, Project exhibitions, Internships are organized by the institute where experiential learning is explored the most.</p> <p>Participative Learning: Students are encouraged to organize and to participate in various technical fests/Cultural activities such as Utkansh, Techurja, Hackathons, etc. with equal enthusiasm to learn and share knowledge and develop their overall personality. Students of the institute actively participate in such technical/cultural events at the college level, state level, and National levels and get various awards and prizes. The other benefits of this participation are that students learn the importance of soft skills like communication, presentation, etiquettes, corporate grooming, and dressing styles.</p> <p>Problem-solving methodologies: Students actively engage in project works that enhance their problem-solving ability. This is further supported by various industrial visits which are organized for the students to learn and understand the working and ongoing problems if any. Expert Lectures are also organized by the departments to provide wide knowledge and experience and to keep themselves at par with esteemed institutions of learning. Converse with experts enhances their motivation and students gain in more ways than one to face challenges when the college organizes such sessions. The assignments and Tutorials given</p>

to the students regularly further improve their problem-solving ability. The college library well equipped with books & e-books, technical magazines, journals & e-journals also helps them a lot while solving problems.

File Description	Document
Link for additional information	View Document

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Information Communication Technology (ICT) tools contribute to high-quality learning since they have the potential to increase students' motivation, connect students to many information sources, support active learning environments. Our institution promotes the use of ICT tools as so to make teaching-learning more fruitful and effective and the students get the benefit.

The college has various ICT infrastructures to facilitate interactive teaching-learning. There are 10 projectors fitted classrooms with a bandwidth through two ISP providers i.e. Net plus and BSNL providing 100 Mbps speed. Wi-Fi facility is provided throughout the campus including Girls and Boys hostel, Sports ground, Cafeteria, etc. The other ICT tools available are such as advanced PCs, Laptops, multimedia systems, projectors, etc. along with soft-wired tools like NPTEL, MIT open course web portals, YouTube, etc. Faculty uses these ICT tools extensively in their daily teaching work along with PowerPoint presentations. Institute has signed a letter of association with IIT Mumbai to facilitate spoken tutorials of various subjects of Engineering and Applied sciences to enrich students' exposure to the elite faculty of the premier institution. The institute is appreciated by the university for the conduct of online classes during the ongoing covid-19 pandemic.

The institute explores students' ideas and their realization through participation in various online events with the help of ICT tools such as Webinars, Expert talks, etc. Students utilize these to learn beyond the classroom courses of their interest to enhance their skills. They are encouraged to learn new technologies, develop projects, carry out research activities; National and International paper presentations, etc. They are also guided to take up additional courses viz. NPTEL courses, MOOCs, ORACLE Certification, and Microsoft Certification, etc. by using ICT tools.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed

academic year)

Response: 13:1

2.3.3.1 Number of mentors

Response: 15

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 85.79

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document

2.4.2 Average percentage of full time teachers with 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: 15.47

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

2020-21	2019-20	2018-19	2017-18	2016-17
10	7	6	7	5

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)	
Response: 0.02	
2.4.3.1 Total experience of full-time teachers	
Response: 1	
File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode
Response:
The institution maintains high transparency and robustness in conducting internal assessment exams by adopting several effective mechanisms as given below:-
Schedule of Internal Assessment Test, Syllabus, and Question Paper pattern adheres to the academic calendar, and regulations of the institute are displayed well in advance before the commencement of the academic session. The internal tests are conducted as per the date mentioned in the Academic Calendar. The Timetable is displayed on all the notice boards. In case of unexpected holidays, the days are compensated by working on Saturdays. The question paper of the internal test is sent to the respective departments ten minutes before the examination commencement. The seating arrangement is displayed on the notice board on the day of examination
Institute appoints Chief Examination Superintendent for the smooth functioning of the internal assessment procedure by the examination cell. The main aim of this internal assessment is to ensure that the internal examination are conducted twice in a semester and an average of the two MSTs is taken for finalizing the internal assessment of the student along with the marks scored in three assignments and attendance. Exams have been conducted via online/offline mode depending upon during the extraordinary circumstances of Covid -19.

The evaluation of these examinations is done by the subject teachers as per the guidelines and scheme of evaluation and it is completed within 2-3 days. The evaluated answer scripts are distributed to students within a week to maintain transparency in the evaluation system. In addition to this, the faculties concerned point out the mistakes done in the answer sheets personally to the corresponding students so as to improve them in the upcoming examinations. After the examination, the subject teachers discuss the question paper along with the scheme of evaluation in the classroom. By discussing mistakes committed by students in examination and showing answer scripts to them, makes the system satisfactory and transparent. After due discussion and correction, the marks list is finalized and submitted to respective heads of the departments.

The answer scripts are collected after getting these signed from the students and kept in the Secrecy cell once all the queries are finalized. The Scrutiny Committee of the college cross-checks the sessional of the each and every department. The final marks list is displayed on the notice board of the respective departments, once the verification by the teachers and students is done marks and attendance are sent to the parents of the student through the post. The IKG-Punjab Technical University to which the college is affiliated has also constituted various Rationalization committees comprising three eminent professors along with a university co-ordinator to inspect the internal assessment prepared by every department. This committee visits the college before the start of the examination and checks the internals prepared by the college. During the last two visits Rationalization Committees, the records of our college have been found to be highly satisfactory. This makes the system transparent and robust.

File Description	Document
Link for additional information	View Document

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

The institution has a well defined mechanism to deal with exam related grievances. The system operates in a transparent, time bound and efficient manner. There are two types of examinations held in the institution 1) Internal Examination 2) External Examinations. The institute conducts examination for the students as per the prescribed syllabus and norms by the University. The internal examination is based on the prescribed course plan. Based on the internal examinations conducted by the college, internal marks are recorded. Students are distributed the marked answer copies after 72 hours of the exam. In case a student is not satisfied with the evaluation he/she can contact the subject teacher to get his or her paper reevaluated. In general the issues related to internal exams are resolved by the respective faculty. When the student is not satisfied with the response from the faculty, they can approach the HOD/Dean Academics through their mentor. Student can approach the Grievance Redressal Cell if they feel that their issue was not resolved at department level. There is a mechanism evolved in the college for the examination related Grievance Redressal. Grievance Redressal Cell takes utmost care in resolving exam related issues. This cell resolves the issues such as awarding of less marks in answer scripts, counting mistakes, poor evaluation of answer scripts and assignments, out of syllabus question paper, etc. Internal grievances are resolved in a time-bound manner. Grievances received by Grievances Redressal Cell will be addressed within a day and the whole process of solving the grievance from subject teacher to the Co-coordinator (Grievance Redressal Cell) doesn't take more than seven working days. After solving the exam grievance rectified marks are

recorded in register. The MST result and attendance is sent to the parents of the student by post.

As far as University examinations are concerned, the evaluation is done by the University in the various evaluation centers established in different colleges in its jurisdiction. Students should attain a minimum of 75 % attendance on each theory paper, and then only he/she can appear for the Examination. End semester examination is conducted by the University in all lecture-based courses offered in the semester. The end semester examination is normally of three hours duration unless otherwise specified.

To nullify the grievances related to valuation procedure, the University informs the students to apply for the revaluation or scrutiny process through the University Portal. Students are given a time of 21 days to apply for revaluation after the declaration of result. A special fee is collected for the same by the University. Students are advised to go through the procedure before the last day of application.

Supplementary examinations are conducted by the University. Students, who have completed a course but could not write the end semester examination for valid reasons like illness or personal exigencies, are allowed to write the supplementary examination at the next opportunity provided by University. Grades awarded in the supplementary examination are taken as the end semester grades in these courses.

File Description	Document
Link for additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

The institution observes transparency in all aspects of its work. Therefore students are well informed about Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) of the program they undertake. Our affiliating university IKG-PTU has defined COs on the prescribed syllabus. The institute ensures that PO, PSO, and COs reach the students so that they may understand everything about the programs and the respective courses being undertaken by them. The PO, PSO, and CO is uploaded on the college website so that the prospective students seeking admission in a particular program may view them and get informed about the program being undertaken. In the same way, the students enrolled in different programs also get benefitted from this information as they come to know about their programs and their respective courses and their outcomes. Apart from being uploaded on the website, POs and PSOs are displayed on the departmental notice boards. The POs and PSOs have also been displayed prominently outside the Head of the Department's office and are provided to students in soft and hard copy form. The COs are conveyed to the students by the teachers in classroom interactions when they start teaching a particular course. Copies of POs, PSOs, and COs have remained available to the teachers also.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	View Document
Past link for Additional information	View Document

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

The institute follows the outcome-based education (OBE) system. The Program Outcomes (POs) are designed as per NBA and Program Specific Outcomes (PSOs) are designed by the respective departments, while Course Outcomes (COs) are designed for each course as per the guidelines of Punjab Technical University.

The attainment of POs, PSOs, and COs is calculated in each department for all subjects. The method of measuring attainment is explained below:

Direct attainment: Direct attainment includes the portion of evaluation in which marks are given. It has two components internal marks and external marks. Internal marks have 40% weightage while external marks carry 60% weightage. Internal marks include marks obtained in Mid Semester Tests (24marks), Assignments/Tutorials (10marks), and attendance (6marks). External marks include marks obtained in End semester university exam (60 marks).

The direct attainment is given 80% weightage in overall attainment.

Indirect attainment: Indirect attainment has 20% weightage in overall attainment and it includes Feedbacks taken from students, Alumni, Employers, Parents, etc.

The Direct and indirect attainments are being measured in the following steps:

Step 1: Mapping of questions in the MSTs is done with COs of the subject. Bloom's taxonomy is followed while setting questions papers.

Step 2: The excel sheet for calculating the attainment is prepared for every subject.

The MST marks, assignment, and tutorials sheet marks are filled in the respective excel sheets. The average marks of each question are also calculated. If a student appeared in the MST but does not attempt a particular question, then he/she is marked nil(-) in the excel sheet. With the help of the above calculated average values, the final attainment of MSTs is obtained.

Step 3: External end semester university examination results are taken for each subject. The grades/marks are filled in the prepared format in the excel sheet. Again the average of the marks is calculated and the university attainment is evaluated.

Step 4: Applying the formula in the excel sheet the final attainment of COs is calculated. The mapping of POs with CO is done and the mapping of PSOs with COs is done and further, the final attainment of POs

and PSOs from COs is calculated and compared with the target values set.

The level of attainment of these outcomes is also determined by the institution. A student earning marks above 80 % marks is considered as attaining the highest level (3) of these outcomes. A student attaining 70 to 80% marks is considered as having achieved a medium level (2) of these outcomes. A student getting marks ranging between 60% to 70% marks is considered as having attained a low level (1) of the outcomes.

File Description	Document
Paste link for Additional information	View Document

2.6.3 Average pass percentage of Students during last five years

Response: 100

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

2020-21	2019-20	2018-19	2017-18	2016-17
57	152	95	143	150

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

2020-21	2019-20	2018-19	2017-18	2016-17
57	152	95	143	150

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View Document
Upload any additional information	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.74

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document

NVAAC

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, Chairs in the institution during the last five years (INR in Lakhs)

Response: 258423

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)

2020-21	2019-20	2018-19	2017-18	2016-17
0	186870	0	71553	0

File Description

Document

List of endowments / projects with details of grants

[View Document](#)

e-copies of the grant award letters for sponsored research projects / endowments

[View Document](#)

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 0

3.1.2.1 Number of teachers recognized as research guides

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 15

3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	2	0	1	0

3.1.3.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
4	4	4	4	4

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	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:

The Ministry of Education (MoE), Govt. of India, in 2018, has established 'MoE's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of this is to encourage, inspire and nurture young students by supporting them to work with new ideas while they are in the formative stages of their lives i.e. to consistently foster the culture of Innovation & startup ecosystem.

Keeping the above motive as a base Khalsa college of Engineering & Technology, Amritsar has established an Institute Innovation Cell (IIC). We provide our students and faculty ample opportunities to connect & participate in various Innovation initiatives in order to inculcate entrepreneurial capabilities amongst them. This has created a vibrant innovative environment in the Institute.

Dr. Manju Bala, Director - Khalsa College of Engineering & Technology, Amritsar, committed to maintaining an academically rich and professionally competent environment in the campus, aims to establish a platform to develop cognitive abilities among the students and create a vibrant innovative environment in the Institute.

Dr. P Prasant(HONORARY DOCTORATE), Deputy Dean Industry & Academia, IIC President - Khalsa College of Engineering & Technology, Amritsar, envisioned to stimulate innovation through multitudinous modes leading to an innovation boosted eco-system in the institution, providing real-time exposure to the students and provide them a platform to showcase and implement their practical learning.

Initiatives & Activities KCET-IIC:

- Promote creativity, critical thinking & idea generation
- IEDC - Institution Entrepreneurship Development cell
- Transform the innovative ideas of students into potential startups for the growth of society.
- IPR - Intellectual Property Rights
- Centre of Research
- Industry Institution Collaborations
- Start-up Club

Objectives of KCET-IIC:

- To aim for being a ‘College with Excellence’
- To achieve academic and administrative excellence
- Creating a student-centric atmosphere for holistic learning
- To enhance the quality of staff by promoting and encouraging overall faculty development
- To aim for International collaborations and International programs
- To enhance Infrastructure for Teaching-Learning and Administration

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

Response: 41

3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
21	6	6	4	4

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	View Document

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

Response: 0

3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years

3.3.1.2 Number of teachers recognized as guides during the last five years

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 4.39

3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
66	54	29	25	26

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

3.3.3 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: 1.25

3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
23	10	6	9	9

File Description	Document
List books and chapters edited volumes/ books published	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 institute supports the ongoing contribution of faculty, students and staff to the neighbourhood community for their holistic growth and sustained community development through a variety of activities. Various awareness campaigns, seminars, rallies, webinars relating to cleanliness, green environment, gender awareness, traffic control awareness, empowerment of girls and women are organized regularly. Students are encouraged to contribute and participate in voluntary **community services**.

Students are associated with **EcoSikh** Club Amritsar and actively participate to minimize waste, conserve water and develop green projects to make Amritsar a model of green and clean city. The college Eco-club is functioning actively and efficiently under the aegis of Eco-Sikh Amritsar, which is a chapter of the Eco-Sikh US. The members of the club not only help to keep the college green and clean, but also offer volunteers services to organize litter free, Eco-friendly religious processions in the city

To groom the overall personality of students, the institute provides myriad opportunities in co-curricular and extracurricular activities throughout the year. Students participate in various events such as debate, mime, traditional dance & singing in IKGPTU youth fest and Khalsa College **Youth Fest** every year.

Under the aegis of Indian Society of Technical Education (**ISTE**) & **IEEE**, webinars, seminars, technical fest and workshops are regularly held in the college to update the faculty and students about technical innovations. Every student and faculty of the college is enrolled as life member of ISTE. It is a matter of honour that every year students and faculty of the college are proud recipients of Best Student Award and Best Teacher Award instituted by ISTE.

Khalsa College of Engineering and Technology has an **N.C.C (Army Wing)** of 24 Punjab Battalion NCC with the strength of 83 Cadets. NCC (Army Wing) has been actively working since 2017. Combined Annual Training camps of 24 Punjab Battalion NCC Amritsar are held every year at college campus. During the camp, training on weapon handling, map reading, and drill along with personality development is given to the cadets. The aim of the camp is to instill a sense of unity, patriotism, teamwork, and discipline among the cadets. They also actively participate in different activities like Bharat Swachhta Abhiyan, various Health Awareness Campaigns under State and Central Government schemes, Tree Plantation drives, Anti-Drug Campaign, Water Conservation programs with the motive to inculcate harmony amongst the cadets.

As an institution of higher learning, KCET has an eco-friendly, green college campus where environmentally responsible practices and education go hand in hand. **National Service Scheme (NSS)** rendered by our college students has covered several aspects like blood donation camps regularly organized, tree plantation camps, sanitation drives, etc.

Various workshops, webinar, faculty development programs periodically organized by the **Human values cell**. Our relationship with our peers, mentors, families are all affected with human values we do have. Human values make the life happy, simple, and let us in harmony.

File Description	Document
Paste link for additional information	View Document

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 0

3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 53

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

2020-21	2019-20	2018-19	2017-18	2016-17
19	8	8	10	8

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years**Response:** 25.44**3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
49	109	87	93	110

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document

3.5 Collaboration**3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year****Response:** 9**3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
3	4	1	0	1

File Description	Document
e-copies of related Document	View Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	View Document
Any additional information	View Document

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses

etc. during the last five years

Response: 15

3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
7	4	2	1	1

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

Khalsa College of Engineering & Technology, Amritsar is legitimately proud of the fact that it has more than adequate, state-of-the-art infrastructure to make it a unique learning center for the engineering students from all over India and abroad. Sprawling over an area of 10 acres, its lush green campus houses aesthetically designed, colossal college building, hostels, workshops, a modern, fully-automated library, seminar halls, Multipurpose hall, spacious classrooms, and well-equipped laboratories with cutting edge technology and latest software, instruments and machines. The College has Spacious Laboratories, classrooms, and Workshops for different branches of Engineering as per the following detail.

Type of Building	Units	Additional Infrastructure w.e.f(2021-2022)
Class Rooms	24	21
Laboratories	41	12
Faculty Rooms	24	12
Secrecy Cell	1	1
Washroom Blocks	8	7
Seminar Hall	1	
WorkShops	5	
Boys Hostel	1	
Girls Hostel	1	
Library	1	
Conference Hall	1	
Multi-Purpose Hall	1	All-purpose hall- 3
Administration Block	1	
Principal's Residence	1	

The College provides well furnished, modern, comfortable, spacious hostel accommodation separately for Boys and Girls. The institution has excellent language lab with 30 computers and Snetclass software. The college building has well-ventilated, airy, and spacious classrooms, which provide a congenial atmosphere for the learning-teaching process. The conference hall with a seating of 60 and a seminar hall with a seating capacity of 110 and multipurpose hall with a seating capacity of 300 provides a suitable space for academic conferences, workshops, and students' cultural activities. The college has separate common room for boys and girls and a music room to train the students for youth festivals and other musical items. A medical room for first aid is available for the students and a vehicle is in standby position to transport the patient immediately to a reputed hospital in medical emergency. To ensure hassle free and safe transportation to the students and the staff coming from the nearby villages, the college has its own 40 seater bus. Ours is a pioneer institute having Testing and Consultancy Lab. providing Consultancy Services in the State of Punjab. The Administrative Block has Dean Academics Office, Registrar Office, Training & Placement Cell, Alumni Office, and the Director's Office. The college has 2 big Examination Halls, 2 very big Drawing Rooms, Divinity Hall and exhibition halls.

Khalsa College of Engineering & Technology Amritsar has its own 11/400kv indoor substation of 315 K V A for supplying electricity in the whole of the college campus.

We have also installed a solar plant of 250kv to supply green and clean energy by way of contributing to reduce the pollution. This has been installed by M+ Amplus Solar, a Member of PETRONAS Group, a Member of the Middle East Solar Energy award-winning company.

A distinctive feature of the Khalsa College Governing council is its broad vision and its magnanimity to provide excellent infrastructure to the engineering institutions and it is always ready to sanction and spend money for the best equipment and machines for the hands on practice of the engineering enthusiast.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Response:

The institute has adequate facilities for sports grounds for football (Specification: 110 M x 75 M, Established in the year: 2015; Cricket ground (Specification: 150 M-diameter, Established in the year: 2015; Volleyball ground (Specification: 18 M x 9 M, Established in the year: 2015; Basketball ground (Specification: 28 M x 15 M, Established in the year: 2012; Badminton ground (Specification: 44 Ft. x 20 Ft., Established in the year: 2016. The grounds are also well groomed and suitable for field events such as Long Jump (Length 9 M Breath 2.75 M), Shot Put (Circle of diameters 2.135 M), and Javelin Throw (4 M track width).

The college has well-marked tracks for Athletics and games, (as per standard norms 6 x 1.25 M) for example 100 Mtr., 200 Mtr., 400 Mtr., 800 Mtr., relay races and Kho-Kho etc. The institute has also a Yoga Centre and a provision for indoor games in the Boys and Girls Common Rooms. The institute also utilizes the sports facilities available in our parent institute, Main Khalsa College, Amritsar such as ground for Cricket and swimming pool as per the established international standards. The college has new built multipurpose hall with seating capacity of 300 persons. All the college cultural activities of students are held in this hall once in a year. The Nehru youth Kendra Sangathan organized the 12th tribal youth exchange program in Amritsar with the collaboration of the college. The mega event ran for seven days from 8thfeb 2020 to 14th Feb. 2020 which was held in the multipurpose hall of the college where more than 250 participants from tribal area took part in various cultural activities. Similarly, Guru Nanak Dev University youth festival for Education College (zonal) was held in the multipurpose hall of the college for the students.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 44

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 11

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View Document
Paste link for additional information	View Document

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 35.66

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
53.02	3.60	1.72	20.43	5.97

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	View Document
Upload any additional information	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

The Library of the college was established in 2009, Since then Library has made consistent progress in terms of the collection of books, periodicals, E-resources, and other services. The college Library is enriched in terms of the availability of textual resources consisting of textbooks, Reference books, Project files, Journals, E-journals, Encyclopaedia, Dictionaries, Magazines, Newspapers. For the ease of the users, the library is divided into department-wise various sections like the General Reference section, Periodical section, Magazine section, Newspaper section, Department Wise Books Section, staff reading room, and student Reading Room. The up-gradation of library software is done from time to time. The college was using “**e- granthalaya software**” for library services and it was replaced by “**E-governance**” **software set up by HertZest i-Technologies which is established by the management of the college**. Now the college library is partially automated with “E-Governance” and operates under the “Open Access System” which gives a user-friendly interface to its users for searching resources in the library. The library Web-OPAC provides remote access to its repertoire of textual resources. A separate reading room is provided to the library users where they can access OPAC on the library desktop. The college library contains the previous year’s question paper sets, Online open-access resources, Competitive exam resources, etc. The college has subscribed to services of the **DELNET** consortium which provides access to more than **3,000 E-journals** and more than **10,705 E-book**. The college has a physical stock of 12,719 books and physical print journals stock of 20 in the college library. The college has also a subscription of **E-resources** like online **MAT Journals**. These services of e-resources are accessible for students and faculty of the college

It is functional with proper internet and Wi-Fi connectivity. The library provides services like Computerize issue/return, New arrival display, Subscription of journals – print and Orientation programs for new Students, E-Resources access for all users in an effective manner. Separate Library cards are issued to all students. The college has appointed Librarian, Assistant-Librarian, Library- Restorer. The visiting of students and Teaching staff register is maintained regularly. The college Library is under CCTV surveillance security.

File Description	Document
Upload any additional information	View Document

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

Response: B. Any 3 of the above

File Description	Document
Upload any additional information	View Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 0.93

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
0.65	0.87	0.67	0.35	2.09

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the last five years (Data Template)	View Document
Audited statements of accounts	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 7.05

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 17

File Description	Document
Details of library usage by teachers and students	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The college has an enormous and latest IT infrastructure to support the learning and teaching process. The college aims at providing the futurists' facilities for the students so that they can utilize these resources to reach greater heights. To enable this, the institution frequently updates its IT facilities for the students with the best of facilities. College is facilitated with 270 computers that are accessible to the students as well as teachers for academic and co-curricular activities. Faculty and non-teaching staff have been allocated individual computers. There are sufficient data network switches, access points, one high-end server, and 1 SOPHOS firewall for content filtering. To the best utilization of our IT infrastructure, the various online examinations of various departments like GATE, PSPCL, Banking, etc. are conducted on weekends. A separate team with in-house staff is formed to take care of the IT & related needs of the campus such as Software Development, Hardware & Networking, etc. Printers are arranged in the offices, staff rooms, library, examination branch, and Laboratories. All computers are connected through a 100 MBPS leased line. The whole campus including hostels is fully Wi-Fi enabled which encourages students and faculty members to use e-learning resources. The College library also has 10 computers for e-library access to the students and facilities. Classrooms have been equipped with LCD projectors. The entire campus is monitored with the CCTV facility which is installed at the strategic places that help in monitoring the campus activities. Information about upcoming events is available on the college website which includes time and dates along with detail about each event. The academic calendar, as well as the course information, is also updated at the beginning of every academic year.

File Description	Document
Paste link for additional information	View Document

4.3.2 Student - Computer ratio (Data for the latest completed academic year)**Response:** 1:1

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution**Response:** A. 750 MBPS

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average 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: 37.48

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)

2020-21	2019-20	2018-19	2017-18	2016-17
19.24	34.69	53.14	38.01	34.20

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

Khalsa College of Engineering and Technology, Amritsar is the latest educational venture of 128-year-old Khalsa College Charitable Society, Amritsar which established its first, now world famous, Khalsa College in 1892. Over the years, the Society has added 18 more institutes under its wings. Established in 2009, Khalsa College of Engineering and Technology, Amritsar has carved a niche for itself as the dream destination for technical education in the sacred city of Amritsar. Sprawling over an area of 10 green acres, its buildings have been constructed, keeping in mind, the latest educational parameters from the architectural point of view. As such, all its classrooms, labs, and workshops are large, airy, and well-lighted naturally. The college building comprises of 22 classrooms, 41 well-equipped labs, 5 workshops, Director's office, Dean Academic's office, Registrar's office, administrative office, a multi-purpose hall with a capacity of 300, a conference hall, seminar halls, central library, communication lab, faculty rooms, common rooms for boys and girls, separate hostels for boys and girls, a cafeteria and playgrounds for sports.

As Khalsa College of Engineering and Technology, Amritsar is relatively a new college; all care has been taken to follow AICTE guidelines in the construction of various buildings of different departments. Since the college is in its growing stage, new infrastructure is being added regularly to cater to the needs of the time. Three-storey Girls hostel came up in 2014. It has all the modern facilities for a comfortable hostel life. The Boys' hostel is nearing completion. Very recently, the college got its aesthetically designed cafeteria, which is a visual treat.

The Institute has a full-fledged Works Department headed by a qualified civil engineer and his staff for the maintenance and upkeep of the infrastructure, facilities, and equipment. This department comprises the following members:

1. Project manager
2. Supervisors
3. Estate Officer
4. Electricians
5. Masons
6. Carpenters
7. Gardeners
8. Plumber and Sanitary In-charge
9. House Keeping Staff
10. Store In-charge

The standard procedure adopted in the college for this purpose consists of the planned use of a preventative maintenance programme. Maintenance checks are performed on a periodic basis to ensure the workability of facilities and equipment. A plan is created for this purpose for the continuous evaluation of campus facilities for hiccup-free working access and easy availability of funds for the corrective measures at the earliest stages of any breakdown. To adopt a proactive policy at the institutional level to control any fossilization in the campus, all efforts are done to maintain the property, machinery, lab equipment, facilities, and grounds in top quality operational mode and good working order. End of the semester time is used for this purpose, apart from contingency situations which may arise from time to time.

The institute maintains a file for complaints in the department concern. The head of the Institute is informed by the head of the department concerned for the requirement of maintenance if any and gets the approval of the director. Any type of maintenance required for any instrument in any lab or correction of any malfunctioning of any facility in the infrastructure is got approved from the director. The admin office directs the complaint to the person concerned in the works department for its immediate remediation if it is a major maintenance. Any minor repair or urgent repairs are done immediately at the level of the head of the department or estate officer.

The construction of new facilities is decided at the Academic Council meeting, presided over by the Director. The proposal is sent to the Managing Committee for its review and approval.

Calibration of Computers, electronics, mechanical, and civil engineering equipment is regularly done twice every year, generally before the commencement of each semester. This is also the time set for minor repairs in each department.

The departments strictly follow the procedures and guidelines of the institute with regard to cleanliness/preventive and corrective maintenance of infrastructure.

- Minor repairs are carried out by the lab technicians.
- When there is a Major repair, service report is obtained from the industry person by the lab in-charge.
- Approval for service of equipment is obtained from HOD, Director, and fault is rectified. If the expenses are higher (More than 25,000/-), then approval is taken from the Society Office of the Governing Body.

- Regular inspection and periodic maintenance of equipment/apparatus or lubrication wherever required is regularly done in the department labs. It is overseen by the Lab in-charge teacher.
- Lab technician checks the working condition of the equipment/systems on daily basis.
- Everyday cleaning of equipment and work tables is done by the lab technicians.
- Regular cleaning of the labs is under the supervision of lab assistants.
- The students are given instructions in handling the equipment before doing the experiments.
- Laboratory manual is given to the students which includes Do's and Don'ts of the laboratory, list of experiments, and the procedure of doing the experiments.
- The stock register is maintained in laboratories and audits are conducted by the stock verification committee to check the availability and working of the equipment.
- Regular cleaning of the classrooms is done under the supervision of cleanliness-in-charge.
- Floor cleaning of labs is done on daily basis by the housekeeping department of the college.
- Class in charges and HoDs also periodically supervises the infrastructure of their classrooms.

Yearly Audit of each Department is performed by every Department and the report is submitted to the Governing Body through e-governance.

File Description	Document
Paste link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 24.24

5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
45	73	83	116	134

File Description

Document

upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 8.92

5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
0	14	81	16	73

File Description	Document
Upload any additional information	View Document
Number of students benefited by scholarships and freships institution / non- government agencies in last 5 years (Date Template)	View Document

5.1.3 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
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 20.98

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

2020-21	2019-20	2018-19	2017-18	2016-17
72	74	63	72	50

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 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 any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 24.21

5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
44	37	12	6	4

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years (Data Template)	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 71.93

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 41

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education (Data Template)	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 0

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

5.2.3.2 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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	View Document

5.3 Student Participation and Activities**5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.**

Response: 51

5.3.1.1 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) year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
4	17	25	1	4

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	View Document
e-copies of award letters and certificates	View Document

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

KCET strongly believes that progress is not possible without the involvement of its stakeholders. Students being the biggest stake holders are given every possible chance to aid, facilitate and organize different events. KCET has established a Student Academic and Administration Council .The student committees are formed for looking after extracurricular activities and academic events throughout the year. These events broaden the scope of education besides providing students to show-case their talents and learn managerial and organizational competencies.

Role of Student Academic Council (SAC)

The various roles of student academic council are as follows:

1. Provide feedback and suggestions regarding the timetable.
2. Provide feedback and suggestions regarding the content of various subjects.
3. Obtain and provide students feedback on each subject delivery, quality of instructions and other related issues.
4. Bring to the notice of the chairperson any immediate problem regarding academics at any time being faced by the student.
5. Provide feedback and suggestions regarding the administrative issues in the academic complex e.g. LHs, Labs, Seminar Halls etc.
6. Provide feedback and suggestions regarding various Sports facilities, hostels, mess, transport, Wi-

fi and security.

7. Provide feedback and suggestions regarding the improvement of various facilities.
8. Obtain and provide students administrative feedback to the chairperson, whenever required or called for.
9. Bring to the notice of the chairperson any immediate problem regarding administration at any time being faced by the students.
10. Ensure passage and implementation of admin instructions issued from time to time by the faculty/HOD/ Principal by multiple and fastest means.

Apart from the Student Councils, there are some other professional bodies in which students are playing an active role. These professional bodies are ISTE, IEEE etc. A number of professional clubs have also been established to enhance the skills of students like NSS Unit, NCC Unit.

File Description	Document
Upload any additional information	View Document

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

Response: 5.4

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	6	7	6	8

File Description	Document
Upload any additional information	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	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:

KCET has conducted two Alumni Meet for B.Tech Passout students:-

Sr. No.	Event	Year
1	First Alumni Meet	3rd Nov. 2018
2	Virtual Alumni Meet	20th Feb. 2020

These meets did a remarkable job to eradicate the gap between college representatives and our Alumni students who have been doing great in various industries and Alma matters across the globe. In these meets, Alumni took part in the cultural program, which included singing, and other activities. Some students promoted their business ventures, NGOs and self-written books, etc. These events provided professors with the opportunity to connect with alumni in order to explore placement prospects for institute students and to strengthen relationships with alumni. The alumni pledged their unwavering support for the Institute in all future developmental efforts, including Admissions, Placements, Visiting Lectures, and any other activity that may be required. They also stated that they would be willing to lend a helping hand to the Institute

Election to elect the office bearers of the Alumni Association of Khalsa College of Engineering and Technology has been conducted during the virtual alumni meet. One of our students named Er. Kamalpreet Singh Judge (Batch 2012-2016) was elected as the President whereas Er. Rupinder Singh (Batch 2012-2016) was elected by fellow students as vice-president of the association. While, Er. Bhupinder Singh (Batch 2012-2016) was elected as General Secretary and Er. Rupinder Kaur (Batch 2010-2014) was elected as Finance Secretary of the Alumni Association of Khalsa College of Engineering and Technology. During Alumni Meets the worthy director interacted with various students and encouraged them to become an integral part of student welfare and to be a mentor of current students. Such mentorship is very crucial for current students who do not have that much industry exposure.

Alumni shared their contact details with current students and college to create a large community that can help other students to become successful after the completion of the B.Tech Degree.

Dean Academics also shared valuable insights with students and encouraged them to become as active as possible in various events that required Alumni students' participation. Alumni Coordinators Interacted with all students in order to get familiar with all students of different branches for maintaining a single point of contact with pass-out students. They welcomed all the suggestions from students that can make the working of the Alumni cell even better.

Students were told about the software named Almbay(<https://alumni.kcet.co.in/>) purchased by the college in order to maintain the smooth communication between the students and the college representatives. Various feature of this software has been shared with students and a live demo was given to all students in order to understand it better.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.4.2 Alumni contribution during the last five years (INR in lakhs)

Response: E. <1 Lakhs

File Description	Document
Upload any additional information	View Document

NAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

Vision

The vision of Khalsa College of Engineering & Technology is to spread the benefits of quality - oriented technical education to the youth of Punjab, especially from the rural Punjab on the basis of access & equity in consonance with the tenets of Sikh Gurus' welfare and well being of all' and emerge as a Centre of Excellence in technical education and research.

Mission

Our Mission is to produce professionals, who are creative and highly skilled with an international outlook and who are confident to contribute to the welfare of the Nation and humanity at large with an ambience of academic excellence in which research and scholarship flourish to provide innovators and leaders of tomorrow for societal and human good.

Objectives

To develop creative, competent, and motivated professionals who are capable of critical and independent thinking and are tuned to life-long learning, receptive to ever-changing needs and requirements. To develop a committed team, society, and workers towards achieving academic and professional excellence. To promote strong links with relevant local and overseas institutions/ organizations and to facilitate activities of mutual benefit in order to make a significant contribution to the socio-economic development of the region and nation at large. To broaden its image and exposure and enhance its status as a center of higher learning and professional excellence. To infuse intellectual stimulation to generate, maintain and disseminate knowledge. To initiate research with deep impact on higher global education policies and practices.

Established in 2009 by the legendary 128-Year-old Khalsa College Charitable Society, Amritsar, Khalsa College of Engineering & Technology Amritsar is running efficiently with the active participation of The Management, the Director- cum- Principal, Deans, HODs, and whole-hearted cooperation and participation of the faculty and the staff. The Khalsa Governing Council delegates complete authority to the Director of the Institute to administer, manage and implement all the policies of the Institute's Vision and Mission in a democratic and participative way to run the intuition. All stakeholders play their respective roles in majority of the decisions for the benefit of the students, parents, faculty, and other employees. The organizational composition of various bodies for this purpose is:-

1. Governing body of the college forms policy and plans for the development of the college and decisions are implemented by the Director through the Deans, HODs/In charges of the faculty and staff.
2. The college is a model of participative leadership style with proper delegation of authority and members

of the faculty are represented on the various committees of the institute.

3. The academic affairs committee is actively engaged in taking care of the teaching-learning paradigm with the help of quality assurance cell. Regular meetings with HODs are held to take decisions from time to time to improve the quality of teaching. The academic council consists of the HODs of various departments, Dean Academics and Deputy Dean Academics.

4. HODs of different departments execute decisions taken at Director or management level.

5. HODs are assisted by class teachers' in-charge of the implementation of orders at the students' level.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

A truly Decentralized and participative management is visible from the following case study ----- how the Consultancy cell of the college was established:-

The Department of Civil Engineering was established in the year 2009. The department mooted the idea of starting 'Consultancy Lab' in its periodic meeting in the year 2013. The proposal was discussed with the worthy Director, who gave a 'go ahead' signal to give it a concrete shape.

The department setup a team to study its feasibility in the area and visit other consultancy labs in the state.

The process took about six months to take a presentable form. Work was done on all parameters, equipments and machinery to be purchased, necessary training to the staff, the expenditure involved, the possibilities of revenue generation by the institution.

The Director and the HOD met the management with the proposal where it was discussed with experts. When the management was convinced with the utility of the proposal it willingly gave its approval.

The Director setup 'Purchase Committee' for the purchase of the machines as per policy of the management. A few of them purchased are:-

1. Pundit lab UPV (Ultrasonic Pulse Velocity)

2. Rebound hammer (proceq)
3. UTM (100 tonne)
4. Digital Triaxial testing machine (star DAQ)
5. Total Station (Trimble)
6. Digital 3 gang consolidation Apparatus
7. CTM(capacity 2000KN)
8. SPT & DCPT
9. GPS (Trimble juno 3B) Receiver & Pathfinder
10. Profometer R 5+ (Rebar detection system for cover depth, bar diameter)

The College Consultancy Lab came into being in the year 2014 at cost of Rupees 45lakh. Since its establishment, it has been offering consultancy services in following areas Environmental Engineering survey work of any side , Building Planning 7 working Drawing , Third party inspection, Supervision, soil Analysis, Testing & Improvement techniques ,RCC & Steel Structure Analysis & Design, Structural report Preparation ,Structural survey, Specification writing, Mix Designing, Testing of steel Bars, Cement, Motor, Concrete), Testing and analysis of water and wastewater, Non Destructive Testing Services with Latest & special equipments.

The list of Its Clint is growing every year, A few of our consultancy clients (Firms/ Departments) are listed below:-

1. Indian Oil Corp. Ltd
2. PSPCL Board Amritsar
3. Punjab works Department (PWD)
4. Improvement Trust Amritsar
5. Municipal Corporation Amritsar
6. Gram Panchayats
7. Acumens Contractor Crescent Pare (Delhi based)
8. Punjab Urban Development Authority
9. Sewerage Board

10. Central Public Works Deptt.
11. Sahyog Construction Ltd.
12. Public Health Department
13. Khalsa Collage Charitable Society
14. Verka Milk Plant Construction.
15. Punjab Mandi Board

The college faculty and support staff gets 40% of the revenue generated while 60% of the share goes to the Consultancy service development fund.

A revenue Of Rs/-**1417318** has been generated by the Consultancy department during the last five year.

File Description	Document
Upload any additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

Case Study

The College admitted 73 students from Economically Weaker Section from Meritorious Schools in all the four core branches of engineering in the year July 2016 with an admission fee of Rs. 200/- only and in sync with Khalsa College Charitable Society's mission of 'Welfare and well being' of all, these under privileged students are being imparted best quality engineering education in the college totally free of cost. The Punjab Government had provided them free education upto +2 class but then they were left in the lurch to fend for themselves. Khalsa College of Engineering Management and the visionary leadership of its President S. Satyajit Singh Majithia and Honorary Secretary S. Rajinder Mohan Singh Chhina with the concurrence of the governing council allowed the college Director to provide them free quality education so that their lives could be transformed and could contribute positively to the building up of the society and the nation as a whole. Even the faculty of the college, smilingly and willingly created a charity fund 'Ray of hope' by contributing every month from their salary and even mess charges of some of the students is being paid by the faculty through their own charity, since the college and its top management, as a part of its perspective believes in spreading the benefits of technical quality education to the lowliest of the lowly. The college has even arranged for some students' six months industrial training with stipend.

File Description	Document
strategic Plan and deployment documents on the website	View Document

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

- a) All appointments of the faculty, administrative staff, support staff etc. are made by the managing committee duly representing members of the management, subject experts, university nominees, Director of the college with Honorary Secretary in the chair.
- b) The responsibility for providing necessary resources is shouldered by the Managing committee who are always ready to provide more than adequate funds for various projects and purchases. Before the start of the new academic session, the various departments of the college submit their requirement of the faculty and the resources and budget is prepared and allocated accordingly by the Management.
- c) Service rules and procedures as stipulated by IKG - PTU Jalandhar are followed by the Khalsa college enunciated in the appointment letter of each and every employee of the college by the Khalsa College Managing Committee and are taken care of by the HODs and the Office Superintendent who prepare the service books and HODs prepare the confidential annual report.
- d) Various committees of the college execute the institutional strategic plans for achieving the stated objectives through various tools such as:
1. Academic Calendar
 2. Budget allocation
 3. Review meetings
 4. Report on the implementation
 5. Course plans
- e) Interaction with various stake holders such as students, parents of the students, industry, staff, alumni, various governmental agencies is a regular feature of the college.
- f) Virtual Parenting: - All teachers of the college serve as Mentors to a group of 10 to 15 students during their stay in the campus and interact with the students from time to time taking feedback from them about their problems and difficulties if any, and guide them and help them accordingly. Feedback from students is obtained in their tutorial periods and problems are solved. Students' feedback is also obtained after their MSTs twice in a semester.
- g) Progress report of the students is sent to the parents after every MST and their comments are sought and

they are invited to the college for interaction with the teachers concerned.

h) There is interaction with the parents and the Director at the time of admission.

File Description	Document
Paste link for additional information	View Document
Link to Organogram of the Institution webpage	View Document

6.2.3 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
Screen shots of user interfaces	View Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The Managing committee of Khalsa College Charitable Society, Amritsar, and the top management understands that faculty and the staff are the lifeline of any educational Institution. Hence, from time to time it takes decisions for the benefit and empowerment of its employees of its institutions. It strives to promote research and development by providing incentives.

- To actualize the policy plans of the Management, the Director of the college who herself is research oriented and quality oriented with a vast experience of doing and guiding research, she motivates all the teachers to obtain research degree while in service.
- Those acquiring Ph.D Degree are given three increments after the award of Ph.D Degree.
- Khalsa College Governing Council has instituted Best Teacher Award which carries a cash prize of Rs. 51000/- and Best Researcher Award of Rs. 100000/- and a Citation to encourage the faculty for quality work. This year Dr. Amit Mahajan of Mechanical Engineering Department is the proud recipient of the Best Researcher Award instituted by the management.

- The Management provides funding and incentives to the faculty members for participating in international/national conferences by reimbursing the air fare/ railway fare/ registration fee on the recommendations of the college Principal.
- The Management provides financial help in obtaining books/journals/research material/research projects etc. on topic of research chosen by a faculty for research on the condition that later on they become a part of college library.
- The College Management extends financial help as seed money for interdisciplinary research projects/surveys to be taken by the faculty of Khalsa College of Engineering & Technology.
- Ten (10) Academic leaves to the faculty members are granted per year for attending as well as participating in conferences and seminars.
- The Management also takes regular reports from the college Principal to evaluate the performance of the teacher for recommendation for granting benefits/facilities and also puts riders in the appointment letter freezing the financial benefits including the Dearness Allowance.
- There are special welfare schemes as well for the employees;
- Provident Fund scheme for the employees for a salary upto 15000/- and ESIC schemes for the employees for a salary upto 21000/-
- Earned leave for the employees. In case, any teacher or employee doesn't avail of winter break or summer break due to exigencies, he/she is entitled to have earned leave.
- All employees are entitled for Medical leave (10 per year) after three year completion of service.
- All faculty and other staff members of the college are given 12 casual leaves per year but women employees get 20 casual leaves as per IKGPTU norms.
- All women employees are entitled to Maternity Leave.

File Description	Document
Paste link for additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 11.08

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

2020-21	2019-20	2018-19	2017-18	2016-17
7	2	7	5	4

File Description	Document
Upload any additional information	View Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 4

6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
5	3	4	4	4

File Description	Document
Upload any additional information	View Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 5.27

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2	5	2	1	2

File Description	Document
Upload any additional information	View Document
Details of teachers attending professional development programmes during the last five years	View Document

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

An effective performance Appraisal system assumes a significant role in managing the organization in a proficient way. Khalsa College of Engineering and Technology is following the evaluation procedure recommended by AICTE viz. The teacher's performance and staff performance are evaluated arranged into three significant classifications.

1. Annual Service Book

Every faculty member has individual service book record in our in-house e-governance system. Service book Record is maintained with full information related to each employee. Data updating, Extensions in service, achievements, promotions and grant of annual increments etc are entered in the service book record.

2. Annual Confidential Report

Every faculty member has to fill the Self –appraisal Performa every year which forms the basis for filling the Annual Confidential Report (ACR) by the college Principal and to evaluate the performance of the teacher for recommendation for granting benefits/ facilities.

3. Student Feedback

Further, towards the end of every semester, feedback forms are given to the students for each of the courses attended by them. The input structures of the feedback forms in the form of questionnaire are used to gather data about the teacher and various aspects relating to the teaching learning process in the classroom. A group comprising of the Head of the Department, Dean Academics and a senior faculty in the Department analyze the feedback from forms collected from the students and recommend reasonable measures to improve the teaching learning process and offer counseling sessions in the pedagogical methods to the teachers concerned. In addition, for non-teaching staff feedback is gathered from general office and sent to the managing committee with recommendations for increments and incentives.

File Description	Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly**Response:**

Yes, the internal and external audit of institution affairs is conducted regularly. To bring transparency and efficiency in the maintenance of account in the institution, the internal audit is conducted by the staff of Khalsa College Charitable society, Amritsar headed by a Chartered accountant who has been appointed as the internal auditor of the society. He along with his team visits the institution for checking of account records under various Heads such as:

1. Cash Book
2. Bank Accounts
3. Students Fee
4. Salary
5. Purchase
6. Journal
7. PF/ESI
8. Income Tax Deduction

The External audit is conducted by a firm of Chartered Accountants appointed by Khalsa College Charitable Society, Amritsar and the balance sheets of all institutions duly signed by the team of Chartered accountants and the main office bearers of the society are published in the form of an Information brochure.

File Description	Document
Upload any additional information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)**Response: 0**

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Khalsa College of Engineering is being efficiently run and managed by Khalsa College Charitable Society Amritsar. This Educational Society was registered in the year 1892 under societies registration act XXI of 1860 as a non profitable, non commercial Charitable Society. All the resources for the infrastructure augmentation and maintenance are provided by the society as per the budget allocation. Main resource of the college is tuition fee charged from the students and i.e. strictly according to the fee approved by IKG Punjab Technical University, Jalandhar. However, the college at its own level, generates some revenue by charging some amount for the utilization of College Infrastructure when outside agencies apply for conducting their exams (online or offline), as the college has excellent Examination Halls fitted with CCTV cameras and labs have computers with latest configuration. The College Consultancy lab also generates revenue as service charges received from various agencies and private companies for testing the strength of material. The revenue this generated are utilized for the upkeep of machines and development of consultancy services and 40% the revenue goes to the staff as service charges for performing testing and consultancy services. The College also generates some amount for Philanthropic purpose which is mainly contributed by the faculty through the NGO Ray of Hope to help those needy students who are not covered by any merit criteria or other categories approved by the society, but are in desperate need of financial help.

Amount Received	2016-17	2017-18	2018-19	2019-2020	2020-2021	Total
Through Consultancy Lab	221798	587750	243300	220430	144040	1417318
Through Ray of Hope NGO	16847	252829	197810	110014	62450	639950
Infrastructure used by outside agencies	342950	114853	737331	594503	67636	1857273
					Grand Total	3914541

File Description	Document
Paste 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

Response:

Quality in an educational institution is an ongoing process. We are committed to provide Excellent Quality Education in Engineering as per our vision and mission to create high quality professionals with ethical understanding. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of our institution. The institution formed IQAC in 2018 to assess and improve the teaching and learning process in the institution. For the formation and implementation of policy decisions for enhancement of academic performance, the committee meets under the chairmanship of Dean Academics of the College or the Director of the College. It is due to the collaborative efforts of the faculty, office bearers and the students that the Khalsa College of Engineering and Technology, Amritsar is taking giant strides in Academics with a large number of students winning merit positions among the first ten top in the university every year.

Under the guidelines of IQAC, the college has taken initiative of :

Virtual Parenting

The College has an excellent practice of adopting students for guiding and counselling under the virtual parenting concepts. Every teacher act as a mother figure for students entrusted to him or her. To implement this scheme there is a co-ordinator who keeps and maintains the records. Student feedback is shared through virtual parenting. One Virtual parent is totally responsible for group of 10-15 students, and he/she maintains the record and resolves problems of every student, be it in academics, emotional or at the domestic front (if any) and interacts with the parents of these students.

Academic audit

In view of the academic schedule issued by the University in the beginning of every academic year, KCET issues its on academic calendar. The timetable co-ordinator checks the workload & timetable. Meeting of the faculty with HOD takes place to discuss the allocation of subjects. Every faculty gives an undertaking to the effect that he/she has completed the course work to the best satisfaction of the students. The consolidation of the learning process is carried out in the classroom. This procedure guarantees that the instructing and learning is going on in the best possible manner and restorative moves can be made if there are any issues. Subsequently the academic review improves the nature of learning outcomes. Twice a year Parent's Teacher Meet is conducted to apprise the parents about the progress of wards report. The College Management also performs its Academic audit. At the end of every session the overall academic audit is done, and report is prepared showing the College achievements in academics, Sports, Extra Curriculum activities, Technical Events, Projects and innovations, Workshops and Conferences conducted and Faculty improvement programs and Faculty updation. The results are matched with university pass percentage in every subject and if in any subject, the result is below (more than 10% of) the university pass percentage, efforts are made to improve the results in those subjects and teachers take extra classes and extra time to help the students in those subjects, and this report is sent to the Khalsa Charitable Society and is presented in the meeting of the office bearers.

File Description	Document
Paste link for additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

The institution formed an IQAC cell to assess the teaching and learning process in the institute and recommend the steps to be taken for improvements.

Example – 1

Teaching and Learning System

The organization supports the teachers and students to attempt self motivated improvement exercises with the objective to constant improvement in their performance.

The organization sends the staff for faculty advancement program in the zone of their teaching subjects to update the information and to acquaint them with the present trends. Majority of the teachers use multimedia projectors to teach through power-point presentation besides class room lectures, online seminars, class room seminars, workshops and other interactive methodologies to make the learning teaching process effective and interesting. As a result of this, our students have brought laurels to the college by notching top positions in the university. Every year our students of various branches exhibit their academic excellence by being placed in the first ten top positions in the university exams.

Example – 2

Feedback System

During the academic session, Feedback is taken twice in every semester. Every department collect the feedback through class incharges after first MST and then end of the semester and the remedial activity will be actualize through the IQAC cell.

1. During the academic system, the MSTs are conducted twice in every semester. After every MST there is a regular practice of sending MST reports to the parents of the students. MST report is prepared by class incharge and also MST performance of their courses is discussed with students. In addition, MST copies are also shown to students and are received back with students' signatures and deposited in the secrecy cell for record.
2. In academic system, after every month, attendance of each student is compiled and prepared by subject teacher and also informed to students and recorded with sign of every student. In addition, the students who fall short of lectures i.e. below 75% attendance are informed and their signatures

are taken after every MST in attendance registers so that they can make up their attendance according to the IKGPTU rules.

3. Remedial classes are organized and scheduled for slow runners after every MST of each semester. The separate time table is prepared after every MST and classes are scheduled from 4:20-5:00pm. These classes are helpful to improve the performance of slow runners.
4. It is ensured that every class gets at least one period in a day to visit the library along with the teachers to get familiarized with the books and journals on the subjects. For high achievers, they are encouraged for collaborating with other students for projects. For high achievers the list of quality books is recommended by the teacher concerned in the beginning of the every term. The college facilitates the learning online courses like MOOCs, NPTEL etc. Our college is a nodal center local chapter of NPTEL.

File Description	Document
Paste link for additional information	View Document

6.5.3 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)
3. Participation in NIRF
4. any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

Response: D. 1 of the above

File Description	Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	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 during the last five years.

Response:

Institute puts great effort to maintain and provide an inclusive environment where men and women, students, faculty, and non-teaching staff can work together in an atmosphere free of gender violence, sexual harassment, and gender discrimination and with a sense of personal security and dignity. The Institute provides CCTV surveillance throughout the campus as well as in the boys' and girls' hostels for safety and security purposes. Also, security persons are appointed in the college campus as well as in boys' and girls' hostels. Attendance register and log register is maintained in girls' hostel to keep the record of students' entry and exit as well as record of visitors. Anti-ragging committee, as well as Anti Sexual harassment committee, is formed in college to keep the check on any kind of nefarious activity in the campus and to ensure the safety and security of girl students. Students can any time meet and report any member of the committee. There are different committees to check the cleanliness of the college premises including washrooms, hostels and mess along with the cafeteria. There is a Grievance Redressal Committee in college, which keeps in touch with students to make sure that no incidence of injustice on the campus. International Women's Day is also organized in the institute so that girls be made aware about their rights. Also, it is ensured that maximum number of female faculty and girl students participate in co-curricular and extra-curricular activities.

Separate common rooms are available for boys and girls. Daycare center for kids of female faculty is also available on the college premises. Medical room is also available in the campus with bedding facility. A first Aid box is also available in the sick/ medical room of the college with common medicines.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document
Link for annual gender sensitization action plan	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: B. 3 of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

Keeping in view that waste management and recycling protects the health and the environment and also conserve our natural resources, the institute works towards waste management. The main goal of waste management is to effectively manage waste, debris, and materials generated in the institute. Since, waste management is very important to maintain a clean, fresh and eco-friendly environment so every possible attempt is made to make the campus eco-friendly by proper waste management.

The institution makes necessary steps to separate the wastes on a category basis and to dispose off them accordingly. Institution has the facility of Solid Waste Management and a committee is formed to manage waste from its inception to its final disposal. Dustbins have been provided at various locations to collect solid wastes like paper waste, wrappers, garbage etc. Also dry garbage and waste papers are not allowed to put on fire for environmental safety.

For Solid waste management, Four pits have been constructed each of size 21ft by 11 ft. The committee formed looks after the proper segregation and disposal of waste. For the disposal of scrap papers, a committee is formed. Scrap papers are collected and sold to the local vendors for recycling.

The e-waste in the institute comprises of batteries, UPS, damaged devices like mouse, keyboards, electronic instruments, computers, peripherals, wires, and cables. The e-waste is re-used in case of reparable and brought to make use of them again. The discarded e-waste is replaced with new ones to get new products at discount, which helps in saving money to a great extent and also provides with safe disposals process. So we try to minimize the accumulation of e-waste. All electronic equipment used in the campus are regularly maintained and repaired to ensure Minimum e-waste. UPS Batteries are recharged

and repaired by the suppliers. MOU has been signed with RAMKY ENVIRO ENGINEERS LIMITED for proper purchase and disposal of e-waste.

File Description	Document
Link for Geotagged photographs of the facilities	View Document
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	View Document

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: C. 2 of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Link for any other relevant information	View Document

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

Response: B. 3 of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Link for any other relevant information	View Document

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any

awards received for such green campus initiatives:

- 1.Green audit
- 2.Energy audit
- 3.Environment audit
- 4.Clean and green campus recognitions / awards
- 5.Beyond the campus environmental promotion activities

Response: C. 2 of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Certificates of the awards received	View Document
Link for any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

- 1.Built environment with ramps/lifts for easy access to classrooms.
- 2.Divyangjan friendly washrooms
- 3.Signage including tactile path, lights, display boards and signposts
- 4.Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
- 5.Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Response: C. 2 of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

Being a part of Khalsa College Charitable Society, Khalsa College of Engineering and Technology is committed towards the holistic and integrated development of our students and we inculcate the values of peaceful coexistence and universal brotherhood amongst our students. Students from different religions, communities, and states are a part of our family. It is always the endeavor of the institution to look for an opportunity where the students get a chance to mingle with students from different institutions having different cultural backgrounds. There are several activities and events around the year to instill the various qualities of tolerance and harmony towards cultural, regional, linguistic, communal socio-economic among the students and to make students aware about the issues related to serving humanity and global warming.

12th Tribal Youth Exchange Programme by Nehru Yuva Kendra, Ministry of Youth Affairs and Sports was held in the institute in which about 200 tribal students from various states participated for cultural exchange ensuring and establishing national integration. Also college Eco Sikh -club is functioning actively and efficiently under the aegis of Eco-Sikh, Amritsar, which is a chapter of Eco- Sikh US. The members of the college not only help to keep college clean and green but also offer volunteers services to organize litter-free, Eco-friendly religious processions in the city.

There are different competitions and events all-round the year on the teachings of Sikh Guru Sahibs to instill and inculcate the attributes of tolerance and harmony amongst students. These events infuse amongst the students the characteristics of steadiness, contentment, and gratification. Students are motivated to participate in various youth festivals, cultural festivals, and also divinity exams which instill the attribute of harmony with culture, religion, and other diversities. The winners of divinity exams, youth festivals, and cultural festivals are given the appreciation in the form of cash prizes, trophies, and certificates

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

So as to inculcate and instill the habit of becoming a more disciplined, responsible and sensible, and law abiding citizen of the country various activities, events and programs are under taken in Khalsa College of Engineering and Technology to achieve this said purpose. Keeping in view, that it is more important to learn about the moral duties of a good citizen and side by side rights given by the constitution of India, different kinds of events are organized in the institute. These various events make students aware about the salient features of their duties and rights which are enumerated here below.

Students are also made aware about their responsibility and duties towards the clean environment. For this, various kinds of seminars, programs, and talks are conducted that address the sensitive issues like energy and environment conservation in which resource persons from various institutes and organizations address faculty and students and make them aware about small but efficient steps to save the surrounding environment and keep it healthy, clean and green. Also, different events are organized to make students

aware about the cleanliness of their surroundings being guided to make a Swatch Bharat. Events like National Voter's Day and Vigilance Awareness week are celebrated to make students aware about their voting duty and rights in a democratic country like India. Also, numerous expert talks related to human values and professional ethics are conducted every year for students and faculty to make them aware about their duties towards the society.

We as an institute make sure that our students not only get academically polished but from their habits and behavior they should appear to be educated elite class citizens. Students are being guided time to time that they are the part of society and hence holds some responsibility towards the other citizens. So, for this number of awareness rallies viz; anti drug rally and cancer rallies are organized by NCC cadets of the institute to create awareness among the people about the menace of drugs and drug de-addiction. Also, students are made aware about of the traffic rules and managements through different talks by police officials.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

Our institute every year celebrates and organizes different events to celebrate the national and international commemorative days, events and festivals. Students also participate with full zeal, fondness, and enthusiasm in these events. Every year to mark the celebration of Gurpurab of every Sikh Guru, all faculty and students of Khalsa College of Engineering and Technology participate in keertan darbar which is held at Gurduwara Sahib, Khalsa College, Amritsar under the aegis of Khalsa College Charitable society. As per the duty assigned by the society, Faculty and students of Khalsa College of Engineering and Technology also perform keertan. There after Dr. Inderjeet Singh Gogoani, Head, Department of Sikh History delivers a lecture and enlighten the sangat about the life and teachings of Gurus, which is followed by Langar.

Not only this, to mark the celebrations of Prakash Purab of 1st Sikh Guru, Guru Nanak Dev Ji, every year whole faculty, staff and students of Khalsa College of Engineering and Technology participate procession which starts from Khalsa College, Amritsar and winds up at Golden Temple, Amritsar. All faculty, staff and students participate in this 5Km long procession with full zeal and enthusiasm while singing hymns and doing keertan.

Also different events like World water Day, Earth day Lohri, International Women's Day, IEEE day, Sikh Environment Day (as a tribute to Guru Har Rai, who was also known as preserver of nature), International Yoga Day (to infuse the habit of being healthy), Birthday of Swami Vivekananda, cleanliness camp to mark celebrations of Independence Day are also celebrated in campus. College faculty, staff and students round the year participated in the 550th birthday celebrations of Guru Nanak Dev Ji by participating in different activities like seminar, declamation contest and painting exhibitions related to life and teachings of Guru Nanak Dev Ji.

File Description	Document
Link for Geotagged photographs of some of the events	View Document
Link for any other relevant information	View Document
Link for Annual report of the celebrations and commemorative events for the last five years	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

- 1. Title of the Practice:** Free Quality Technical Education to Economically Weaker Students
- 2. Objectives of the Practice:** To spread the benefits of quality technical education to the students who are from economically and financially weaker sections of the society and are from underprivileged class but are meritorious, intelligent, and brilliant otherwise, so that they can

contribute to the upliftment and betterment of their own families and then society at the large.

3. **The Context:** Punjab government started a scheme under which students from poor families and economically weaker sections and government schools of Punjab who secured good marks in their secondary classes were admitted to meritorious schools, where they were provided the free higher secondary education, but there after that they were left in lurch by government. Our institute admitted 73 such students from meritorious schools and provided them with the free education, doing it as a noble cause because of its philanthropic vision.
4. **The Practice:** Students from meritorious schools of Punjab Government were provided free education in Khalsa College of Engineering and Technology, after they were left in puzzled and confused situation by the Punjab Government. Government which promised these students to borne their admission and tuition fees for their higher studies in technical colleges, later on stepped back. However, since our institute has the benevolent vision of spreading the benefits of quality technical education to the youth of Punjab irrespective of their class, creed, colour, financial and social status, so we stood up for the same. These students were allowed to continue their education in the college free of cost, despite of not receiving any kind of single penny or grant from the government. In our institute our expert and experienced faculty has provided them requisite standard of education with good academic ambience so as to prepare them for earning their livelihood in a dignified way as qualified engineers and to make them feel elated in the society. Once they have entered our institute they are treated at par with all other students. They are provided education without any discrimination and difference and provided with conducive atmosphere so that they don't face any kind of problem. They are motivated and given equal chance like all other students for the participation in all kind of ongoing various activities in the college whether it be academic, co-curricular and extra-curricular.
5. **Evidence of Success:** As a result of this practice, many of these students have secured top merit positions in various university examinations with the support and motivation of faculty members. Students have also performed well in co-curricular, extra-curricular and cultural activities which further brushed up and enhanced their overall personality. Also, students have also got placed and secured good jobs in various companies which was the main motive of this practice so that they can earn their livelihood in respectable way and ultimately can help in the upliftment of their family.
6. **Problems Encountered and Resources Required:** Some of the students were from out of the town and they had to stay in Hostel and had to pay for the same, as well as mess and food charges. Since these students, belonged to underprivileged class and were from economically weaker sections, so their parents and family could not afford the expenses for the same. Faculty and staff pooled up the resources and helped them with these expenses, so that these students can get the benefits of the quality education.

Best Practice II

1. **Title of the Practice:** Appreciation for Academic Excellence
2. **Objectives of the Practice:** The main aim of this is to gradually improve the academic results of the institute and to motivate and persuade students so that they excel in their studies. Toppers and brilliant students are given reward in the form of fee concessions so that they get motivated to study more hard so that they outshine academically.
3. **The Context:** Being a part of Khalsa College Charitable Society, Khalsa College of Engineering and Technology focuses on the academic excellence and perfection of its students. Students from each semester and branch are given appreciation in the form of cash prizes or scholarships or fee

concessions for their academic achievements so that they get more and more inclined and get motivated to studies.

4. **The Practice:** Students are given fee concessions as per the rules and norms of society as given below.

- **Topper in the University Exams**

(a) 100% Tuition Fee concession to university Toppers in each branch in the immediate previous semester (for one semester only).

(b) 75% Tuition Fee waiver for standing 2nd in university in each branch in the immediate previous semester (for one semester only).

(c) 50% Tuition Fee concession for standing 3rd in university in each branch in the immediate previous semester (for one semester only).

- **College Topper in University Exam**

25% Tuition Fee Concession to College Topper in each branch in each semester (for one semester only)

5. **Evidence of Success:** College results have improved. The number of students securing merit positions in University Examinations has increased gradually over the time. There were 12 students in merit positions for November 2018 IKG PTU examinations with one student at first position and three students' bagged 2nd position. 21 students of the college secured merit positions in April-2019 Examination with three students at first position, one at second and three students at third position in various branches. 28 students stood in merit in Nov-2019 examination with seven students securing the first position in various branches and semesters.

6. **Problems Encountered and Resources Required:** These benefits and fee concessions are provided by the Khalsa College Charitable Society itself as per the society rules and norms.

Best Practice III

1. **Title of the Practice:** Virtual Parenting

2. **Objectives of the Practice:** Main objective of this practice is to form a trusted and firm bond between a teacher and a student so as to help students to achieve their aims by providing students with a comfortable and supportive environment. As clear from the name of the practice, Teacher acts as a parent to the students. Since this is the developing and shaping time of a student so it is very important that proper guidance is provided to them so that they not only excel in academics but in every test of life.

3. **The Context:** A mentor is assigned to each student in the very first year of the degree. Teachers, who acts as virtual parents create a better environment for the open communication of students. Teachers look after the students' performance and help them to improve in their academics as well as be the guide for their future. Regular meetings are held where the faculties equally monitor the personal, academic and psychological well-being by constant interaction with students and their parents and help them to understand their roles and responsibilities.

4. **The Practice:** Appointed teacher regularly monitor the overall performance of the students and provide them a good ambience where they can learn, grow and flourish. All details are noted down

by the mentor in a register for a reference. Repeated counseling sessions are held so that students can express their problems easily. Students are made to believe that they can achieve anything and a sense of confidence is inculcated in them. Also slowly and gradually a sense of belongingness starts developing in the student.

In our institute our expert and experienced faculty has provided them requisite standard of education with good academic ambience so as to prepare them for earning their livelihood in a dignified way as qualified engineers and to make them feel elated in the society. Students are regularly updated with the competitive exams patterns and higher studies as well.

Once students enter our institute they are treated equal. They are provided education without any discrimination and difference and provided with conducive atmosphere so that they don't face any kind of problem. Students are motivated by their mentors to participate in extra-curricular and co-curricular activities also for their overall personality development.

5. Evidence of Success: During the stay in the college many students were able to tackle their problems themselves after counseling from their virtual parents. Also students who were very shy and introvert were confident enough to participate in various activities. Communication skills were also improved as well better results in MSTs. In a nutshell students who were initially not confident and hardly used to be the part of discussions turned out to be confident and elated graduates and placed in reputed companies.

6. Problems Encountered and Resources Required: Since students are from diverse backgrounds, so sometimes students especially from economically weaker sections have very timid behavior and cannot express themselves easily. Lots of effort of virtual parent is required to build the confidence in such students.

7. Notes: For details of meetings and reports related to virtual parenting click www.kcet.co.in/virtualparent.php

Best Practice IV

1. Title of the Practice: Ray of Hope

2. Objectives of the Practice: Main objective of this practice is to help the needy students at the time of financial emergency so that they do not face any kind of stress due to monetary issues during their studies. The financial aid is provided to those students who are not covered under any scholarship scheme run by our charitable society or government.

3. The Context: "Ray of Hope", a kind of charity was started by the faculty of the college in 2016 when 73 students from meritorious schools were admitted in our institute without any fee and were deprived by Punjab Government for any kind of financial aid. The students were left in the lurch. These students belonged to very poor families and were from rural areas. These students were not covered under the domain of various scholarship schemes. Few students were not even able to pay the hostel mess charges. So college faculty decided to start a volunteer club to help such kind of students.

4. The Practice: Under this practice, college faculty willingly decided to help the meritorious

students from economically weaker classes and those who are not covered under any scholarship scheme of our charitable society. Whenever some of the students face a financial crunch and are unable to pay the college fee, at that time the fees may be full, or partial is paid from the fund of Ray of Hope. Some alumni and other donors have also started contributing donations to this charitable fund. This is according with the vision and mission of the college where we believe in proving the access to education to everybody. This also helps in checking the drop out of the college rate due to financial constraints. Through this graceful gesture of helping the needy students we are trying to empower the aspirants of technical education and there by transforming the society.

In accordance of our core values of the college i.i. kindness, compassion and welfare and well-being for all, we have another student welfare Insurance scheme, started w.e.f. Dec 01, 2017 under which in case of any unfortunate demise of the earning parent, our management bears the total college fee for 2/3/4 year till the completion of course with the maximum limit of Rs. 3,00,000/-.

5. Evidence of Success: So far 14 students have been benefitted through this scheme with amount of Rs. 3,66,850/-.

6. Problems Encountered and Resources Required: During the time of Covid-19 Pandemic large number of students faced financial crisis and approached for help and due to our own financial constraints we were able to help our students partially.

Best Practice V

- 1. Title of the Practice:** Organic Farming
- 2. Objectives of the Practice:** To gradually move towards the organic and pure farming within the campus to motivate students and faculty for adopting organic agriculture products for their better health and sustainable development of society. To familiarize the students with the techniques of organic farming and to work for eco-friendly practices in our day to day life.
- 3. The Context:** Use of excessive sprays of pesticides and insecticide area ruining the health of modern generation and in lure of money un-mindful use of sprays and injections is being done by the farming community. In this context the college started the practice of organic farming to apprise the students of the college and the nearby communities. Also students are being familiarized with modern organic farming techniques.
- 4. The Practice:** The institute took the initiative to produce the organic and healthy food in college campus. Organic farming has been practicing by the students under the guidance of faculty, supervisor and gardeners. They grow the organic food without the use of insecticide and other chemicals to keep the soil healthy, maintain the environmental integrity and health of the consumer. Faculty, staff and students are motivated to adopt the culture of organic farming for a healthier lifestyle.
- 5. Evidence of Success:** The organic food produced in the campus, is consumed by the college faculty and staff members. Furthermore, sometimes mess contractors of the hostel also buy the vegetables for the students at the cheapest rates.
- 6. Problems Encountered and Resources Required:** Preserving food quality while trying to increase productivity is the main challenge we face during this practice. Also the quantity produced is not so high that it can be marketed outside.

File Description	Document
Link for Best practices in the Institutional web site	View Document
Link for 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:

Within this short span of its inception of 11 years, Khalsa College of Engineering and Technology has carved a niche for itself and has been a provider of quality technical education in the region of Punjab.

The thrust of the college is to strive for excellence in academics through focusing on excellent classroom work coupled with rigorous and quality laboratory work. Students get hands on experience in the labs with experiments exploring the applications of their chosen fields. This broadens their theoretical knowledge and skills which results in the grooming up students for showing excellence and high-end performances in university exams.

During the last five years, **14 students** of the college have bagged overall merit positions in the degree course. The details are given below:

S. No.	Name	Branch	Position in University	Passing Session
1	Kirti Devi	Civil Engineering	1st	Apr-21
2	Amritpal Singh	CSE	4th	
3	Vansh Yadav	Civil Engineering	7th	
4	Jaspal Singh	Mechanical Engineering	3rd	Apr-20
5	Manpreet Kaur	CSE	4th	
6	Navneet Kaur	Civil Engineering	4th	
7	Kulwinder Singh	ECE	6th	
8	Suman	CSE	2nd	Apr-19
9	Shefali Aggarwal	Civil Engineering	2nd	
10	Amit Sharma	CSE	2nd	Apr-18
11	Guru Parsad	Civil Engineering	3rd	
12	Sumandeep Kaur	Mechanical Engineering.	4th	Apr-17
13	Sarang Bawa	Mechanical Engineering	5th	Apr-16
14	Divyanshu Aggarwal	Mechanical Engineering	8th	

Also, year after year students have been bagging the **first top 10 positions** in IKG Punjab Technical University exams. The details are given below:

Nov-2019 Examination

S. No.	Name	Branch/Sem	Position in University
1	Parminder Singh	Mechanical Engineering/1st Sem	1st
2	Mehakdeep Kaur	ECE/3rd Sem	1st
3	Ritik Chouhan	Civil Engineering/3rd Sem	1st
4	Kriti Devi	Civil Engineering/5th Sem	1st
5	Manpreet Kaur	CSE/7th Sem	1st
6	Navneet Kaur	Civil Engineering/7th Sem	1st
7	Sukhwinder Singh	ECE/7th Sem	1st
8	Kulwinder Singh	ECE/7th Sem	3rd
9	Manpreet Singh	CSE/7th Sem	3rd
10	Rimpy Sharma	CSE/7th Sem	4th
11	Jaspinder Kaur	ECE/7th Sem	4th
12	Satish Kumar	Mechanical Engineering/3rd Sem	4th
13	Amritpal Singh	CSE/5th Sem	5th
14	Jaspal Singh	Mechanical Engineering/7th Sem	5th
15	Simran	CSE/1st Sem	6th
16	Monika Devi	ECE/7th Sem	6th
17	Amritpal Singh	ECE/5th Sem	7th
18	Amritanjali	CSE/7th Sem	7th
19	Neha	CSE/5th Sem	7th
20	Harpreet Kaur	Civil Engineering/7th Sem	8th
21	Karamjeet Kaur	Civil Engineering/7th Sem	8th
22	Shivam Kumar	CSE/7th Sem	8th
23	Simranjit Kaur	ECE/7th Sem	8th
24	Arjun Singh Viridi	Civil Engineering/ 7th Sem	10th
25	Vansh Yadav	Civil Engineering/5th Sem	10th
26	Muskan	CSE/5th Sem	10th
27	Navjot Kaur	ECE/7th Sem	10th
28	Chanchal Sharma	ECE/7th Sem	10th

April-2019 Exams

S. No.	Name	Branch/Sem	Position in University
1	Satish Kumar	Mechanical Engineering/2nd Sem	1st
2	Simranjit Kaur	ECE/6th Sem	1st
3	Amritpal Singh	CSE/4th Sem	1st
4	Sukhwinder Singh	ECE/6th Sem	2nd
5	Kriti Devi	Civil Engineering/4th Sem	3rd
6	Harpreet Kaur	Civil Engineering/ 6th Sem	3rd
7	Navneet Kaur	Civil Engineering/ 6th Sem	3rd
8	Shivani Fotra	ECE/4th Sem	4th
9	Vansh Yadav	Civil Engineering/4th Sem	4th
10	Simran Jeet Kaur	CSE/6th Sem	4th
11	Kulwinder Singh	ECE/6th Sem	4th
12	Nitin Pal	ECE/2nd Sem	5th
13	Manpreet Kaur	CSE/6th Sem	5th
14	Shivam Kumar	CSE/6th Sem	7th
15	Puneet Chhina	CSE/6th Sem	7th
16	Ritik Chouhan	Civil Engineering/2nd Sem	8th
17	Muskan	CSE/4th Sem	9th
18	Amritpal Singh	ECE/4th Sem	9th
19	Rimpy Sharma	CSE/6th Sem	9th
20	Manpreet Singh	CSE/6th Sem	10th
21	Karamjeet Kaur	Civil Engineering/6th Sem	10th

Nov-2018 Exams

S. No.	Name	Branch/Sem	Position in University
1	Ritik Chouhan	Civil Engineering/ 1st Sem	1st
2	Vansh Yadav	Civil Engineering/3rd Sem	2nd
3	Jaspal Singh	Mechanical Engineering/5th Sem	2nd
4	Shefali Aggarwal	Civil Engineering/ 7th Sem	2nd
5	Satish Kumar	Mechanical Engineering/1st Sem	4th

6	Sukhwinder Singh	ECE/5th Sem	4th
7	Kriti Devi	Civil Engineering/3rd Sem	5th
8	Navjot Kaur	ECE/5th Sem	5th
9	Navneet Kaur	Civil Engineering/5th Sem	6th
10	Kulwinder Singh	ECE/5th Sem	8th
11	Simranjit Kaur	ECE/5th Sem	8th
12	Ramandeep Kaur	Mechanical Engineering/5th Sem	10th

Nov-2017 Exams

S. No.	Name	Branch/Sem	Position in University
1	Suman	CSE/ 5th Sem	1st
2	Manpreet Kaur	CSE/ 3rd Sem	2nd
3	Arshpreet Kaur	CSE/5th Sem	4th
4	Simrandeep Kaur	CSE/5th Sem	4th
5	Amit Sharma	CSE/7th Sem	5th
6	Simranjeet Kaur	CSE/3rd Sem	5th
7	Jaspal Singh	Mechanical Engineering/3rd Sem	5th
8	Shefali Aggarwal	Civil Engineering/5th	7th
9	Deepshika	Mechanical Engineering/7th Sem	8th
10	Sumandeep Kaur	CSE/5th Sem	8th
11	Karanbir Singh	Mechanical Engineering/7th Sem	9th
12	Rimpy Sharma	CSE/3rd Sem	9th
13	Ramandeep Kaur	Mechanical Engineering/3rd Sem	9th

April-2017 Exams

S. No.	Name	Branch/Sem	Position in University
1	Sumandeep Kaur	Mechanical Engineering/7th Sem	4th

Nov-2016 Exams

S. No.	Name	Branch/Sem	Position in University
1	Sarang Bawa	Mechanical Engineering/8th Sem	5th
2	Divyanshu Aggarwal	Mechanical Engineering/8th Sem	8th

April-2016 Exams

S. No.	Name	Branch/Sem	Position in University
1	Sumandeep Kaur	Mechanical Engg/6th Sem	3rd
2	Amit Sharma	CSE/ 4th Sem	7th

Nov-2015 Exams

S. No.	Name	Branch/Sem	Position in University
1	Deepak Maurya	Civil Engineering/5th Sem	3rd
2	Guru Prashad	Civil Engineering/3rd Sem	5th

April-2015 Exams

S. No.	Name	Branch/Sem	Position in University
1	Vishal Jaiswal	Mechanical Engineering/4th Sem	2nd
2	Sumandeep Kaur	Mechanical Engineering/4th Sem	3rd

3	Amit Sharma	CSE/2nd Sem	4th
4	Sarang Bawa	Mechanical Engineering/6th Sem	6th

Overall Degree Topper (April - May 2015)

S. No.	Name	Branch	Position in University
1	Chetanjit Singh	Civil Engineering	5th
2	Sonia	ECE	7th

Nov - Dec 2014 exams

S. No.	Name	Branch/Sem	Position in University
1	Sumandeep Kaur	Mechanical Engineering / 3rd Sem	1st
2	Tanureet Kaur	Mechanical Engineering / 7th Sem	2nd
3	Gurpreet Kaur	Mechanical Engineering / 7th Sem	3rd
4	Sarang Bawa	Mechanical Engineering / 5th Sem	6th
5	Sonia	ECE / 7th Sem	7th
6	Divyanshu Aggarwal	Mechanical Engineering / 5th Sem	7th

File Description	Document
Link for appropriate web in the Institutional website	View Document
Link for any other relevant information	View Document

NVAAC

5. CONCLUSION

Additional Information :

Ours is a prestigious institute having excellent infrastructure and it is for this vision that other institutions of town such as PTU Amritsar campus (PITS) and Mai Bhago Govt College for Girls make use of our labs for conducting experiments for their students. Indian Institute of Charter Accountant, Tata Consultancy Services, Punjab Govt, Intelligence Wing of Punjab Police etc conduct their examinations online and offline using our infrastructure in our college as it's matchless and more than adequate. The college earns some revenue as well as ensures the optimal use of our infrastructure. The College has additional infrastructure for running new courses (UGC Approved/Non-AICTE Courses) started w.e.f July 2021-2022. It has additional 21 classrooms 12 Labs 3 All propose halls 12 Faculty rooms, NCC room, Secrecy cell, and 7 washroom bocks.

In consonance with the vision and mission of the college and practically implementing the tenets of Sri Guru Nanak Dev Ji (Sarbat da Bhala " Welfare and Well being of all"), 73 students from underprivileged sections have been provided totally free engineering education after they passed out +2 from Meritorious Schools run by Punjab State Government.

Majority of the faculty of the college are life members of Indian Society for Technical Education. All students of the college are enrolled as the members of Student Chapter of Indian Society for Technical Education. Every day in the college is a day of discovery and creativity. Our bright students under the guidance of the faculty bring laurels to the college winning ISTE Section Best Project Awards. Consecutively for three years 2014, 2015 and 2016, our students bagged ISTE Best Project Awards.

Concluding Remarks :

We are also running a Student Welfare Insurance Scheme according to which in any case of any unfortunate demise of the earning parents of a student, the society bears his/her total college fee for 2/3/4 year (or till the completion of course) with the maximum limit of Rs. 3,00,000/- and in case of any fatal accident where operation may be required, Rs. 50,000/- shall be reimbursed, subject to the provision of the bill.

Another remarkable strength of the college is the excellent work ethos, academic ambience, and inclusiveness in which the students live and work in a peaceful, amiable and harmonious way and we take legitimate pride in the fact that during the last 12 years of its existence on the educational map of India, fortunately, there has not been even a single incident of ragging on the campus. Students here live in a safe and secure environment.

We at Khalsa College of Engineering & Technology fully understand that quality in an educational institution is an ongoing process and we are committed to providing value-based and value-added technical education to young man and women in order to create a pool of skilled human resources who can contribute positively for the transformation and restructuring of Indian Society.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p>Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</p> <p>1.2.1.1. Number of Programmes in which CBCS / Elective course system implemented. Answer before DVV Verification : 4 Answer after DVV Verification: 15</p> <p>Remark : DVV has given the input as per SSR.</p>																				
1.4.1	<p><i>Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders</i></p> <p>1) <i>Students</i></p> <p>2) <i>Teachers</i></p> <p>3) <i>Employers</i></p> <p>4) <i>Alumni</i></p> <p>Answer before DVV Verification : B. Any 3 of the above Answer After DVV Verification: E. None of the above Remark : DVV has not consider unfilled feedback report by HEI.</p>																				
2.1.2	<p>Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)</p> <p>2.1.2.1. Number of actual students admitted from the reserved categories year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>19</td> <td>27</td> <td>21</td> <td>44</td> <td>94</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>19</td> <td>19</td> <td>21</td> <td>44</td> <td>53</td> </tr> </tbody> </table> <p>Remark : DVV has made the changes as per shared report by HEI.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	19	27	21	44	94	2020-21	2019-20	2018-19	2017-18	2016-17	19	19	21	44	53
2020-21	2019-20	2018-19	2017-18	2016-17																	
19	27	21	44	94																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
19	19	21	44	53																	
2.4.3	<p>Average teaching experience of full time teachers in the same institution (Data for the latest</p>																				

completed academic year in number of years)**2.4.3.1. Total experience of full-time teachers**

Answer before DVV Verification : 348

Answer after DVV Verification: 1

Remark : Experience certificate has not shared by HEI.

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years**3.2.2.1. Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
37	9	10	7	6

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
21	6	6	4	4

Remark : DVV has given the input by not considered FDP Programs and those workshops/seminars which has not conducted on Research Methodology, Intellectual Property Rights.

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years**3.4.2.1. Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
9	4	1	1	1

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

Remark : DVV has not consider shared certificate of appreciation by HEI.

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during

last five years(INR in Lakhs)**4.1.4.1. Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
578.48	50.58	43.97	92.61	14.35

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
53.02	3.60	1.72	20.43	5.97

Remark : DVV has made the changes as per shared report of Expenditure for infrastructure augmentation, excluding salary by HEI.

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year**4.2.4.1. Number of teachers and students using library per day over last one year**

Answer before DVV Verification : 70

Answer after DVV Verification: 17

Remark : DVV has made the changes as per average of teacher and students using library per day on (dates) as per SOP.

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).**6.3.4.1. Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
128	27	5	13	19

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
2	5	2	1	2

Remark : DVV has excluded programmes less than 5 days.

2.Extended Profile Deviations

ID	Extended Questions																				
1.2	<p>Number of programs offered year-wise for last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>15</td> <td>15</td> <td>15</td> <td>15</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	4	4	4	4	4	2020-21	2019-20	2018-19	2017-18	2016-17	15	15	15	15	15
2020-21	2019-20	2018-19	2017-18	2016-17																	
4	4	4	4	4																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
15	15	15	15	15																	
2.2	<p>Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>612.26</td> <td>120.05</td> <td>152.74</td> <td>220.49</td> <td>172.36</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>34.26</td> <td>73.14</td> <td>142.42</td> <td>148.32</td> <td>163.98</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	612.26	120.05	152.74	220.49	172.36	2020-21	2019-20	2018-19	2017-18	2016-17	34.26	73.14	142.42	148.32	163.98
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