YEARLY STATUS REPORT - 2022-2023

Part A	
Data of the Institution	
1.Name of the Institution	Khalsa College of Engineering and Technology
• Name of the Head of the institution	Dr. Manju Bala
• Designation	Director
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	01835030760
• Mobile no	9878402703
• Registered e-mail	kcetamritsar@gmail.com
• Alternate e-mail	naackcetcoordinator@gmail.com
• Address	C- Block, Ranjit Avenue, Near MK Hotel
• City/Town	Amritsar
• State/UT	PUNJAB
• Pin Code	143001
2.Institutional status	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Urban

• Financial Status	**Self-financing**	
• Name of the Affiliating University	**I.K. Gujral Punjab Technical University**	
• Name of the IQAC Coordinator	**Dr. Maalti Puri**	
• Phone No.	**08847035938**	
• Alternate phone No.	**01835030765**	
• Mobile	**9780363388**	
• IQAC e-mail address	**iqac.kcet@gmail.com**	
• Alternate Email address	**maalti.kcet@gmail.com**	
3.Website address (Web link of the AQAR (Previous Academic Year)	https://khalsaengineering.co.in/wp-content/uploads/2023/12/aqar-2021-2022.pdf	
4.Whether Academic Calendar prepared during the year?	**Yes**	
• if yes, whether it is uploaded in the Institutional website Web link:	https://khalsaengineering.co.in/wp-content/uploads/2023/12/Academic-Calander-2022-23.pdf	

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.01**	**2022**	**14/06/2022**	**13/06/2027**

6.Date of Establishment of IQAC	**12/04/2018**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	**NIL**	**NIL**	**NIL**	**NIL**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**	
• Upload latest notification of formation of	View File	

IQAC		
9.No. of IQAC meetings held during the year	7	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	Yes	
• If yes, mention the amount	70033	

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

• Keeping in view the current demand and scenario, college offers various Technical/ Engineering courses along with other multidisciplinary professional courses. • MoUs with various Institutions/Industries of National and International repute to enhance the knowledge and skills of faculty and students to meet the current demand of industry. • Numerous activities were conducted under Institutional Innovation Cell of the college so that students get chance to interact with various eminent personalities to enhance their skills. • Along with the quality of academics, IQAC also focused on the quality of life for students and faculty. Round the year various yoga/mediation sessions, sensitization of students through activities related to human values were held for the holistic development. Through virtual parenting cell, progress of every student is monitored giving them a sense of belongingness.

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

Plan of Action	Achievements/Outcomes
To submit AQAR 2021-2022	Submitted and Approved
To start diploma in Engineering Courses	New Courses/Programs were introduced in the institution
To motivate faculty for research	Large number of research papers published by faculty including patents and Book Chapters
Infrastructure enhancement	New Boy's Hostel, New classrooms for new courses etc.

13.Whether the AQAR was placed before statutory body?	**Yes**

- Name of the statutory body

Name	Date of meeting(s)
Khalsa College Charitable Society, Amritsar	26/10/2023

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022	18/01/2023

15.Multidisciplinary / interdisciplinary

Keeping in view the New Education Policy 2020 guidelines, Khalsa College of Engineering and Technology has made progress by expanding its academic radius towards being a multidisciplinary/ interdisciplinary college w.e.f session 2022-2023. Various under graduate, graduate and post graduate have been introduced in the college in the session 2022-2023. Since our institute is affiliated, so the practice of multiple entries and exits can only be implemented after the guidelines of Affiliating University. Keeping in view the integration of humanities IKG Punjab Technical University has already incorporated subjects like Professional Practice Law and Ethics, Universal Human Values, and Environmental studies.

16.Academic bank of credits (ABC):

The college is affiliated with IKGPTU, Kapurthala and whenever we receive any guidelines and instructions from the university, the Academic Bank of the Credits will act according to their guidelines and will be further implemented in the college.

17.Skill development:

Our institute focuses on Multi-skill 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 courses or MOOC courses such as Composite Materials, Safety Terminology & Health Enviornment in Industry, Multimedia Communication, AutoCAD 3D Drawing & Modeling, Skills enhencment in health management etc. The College has sufficient human resources and other resources to continue: teaching skill development as per the needs of the time and industry. Besides all add on courses students are taught courses like Human Values and Professional Ethics and Universal Human Values for humanistic and ethical development. Varoius workshops and expert talks are conducted during the session to enhance the humanistic approach of every student individually. Students participate in litter free processions that imbibe the values of righteous conduct and responsible citizens amongst the students. Every year Ardas Diwas is held to welcome the new students and pray for humanity in all. Also various yoga/ mediation activities along with constitutional activities are held round the year that inculcates the value of spirituality, good citizens and nonviolence amongst our students.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

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 organized 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. Besides this IKG Punjab Technical University has already included in the curriculum of students courses like: Constitution of India, Essence of Indian Traditional Knowledge, Humanities and Social Science and Development of Societies and Philosophy, that acquaint students with Indian Knowledge System.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

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 as well as by the individual course coordinators. Apart from being uploaded on the website the PO's and PSO's have also been displayed permanently outside the office of Head of the Department. Course Outcomes are conveyed to the students by respective Course Coordinators during the commencement of the course. Students are also made aware about the Bloom's Taxonomy and it's level so that in future they can be their own best judge. Even while setting up the question paper's for mid sessional tests, Bloom's Taxonomy is strictly followed. Mapping of Questions in MST's, assignments, tutorial sheets is done with CO of the Subject (theory as well as laboratories). The attainment of PO's, PSO'S and CO's is calculated in each department for all Courses and Laboratories . Also, a number of expert talks/ guest lectures from eminent resource persons and academicians are conducted in various departments to fullfil the gap and content beyond the syllabus and achieve the COs.

20.Distance education/online education:

Since our college is affiliated with I.K.G. Punjab Technical University, Kapurthala, we can introduce distance education courses only if it approved by University. However, talking about online education our faculty provides education through online mode using various platforms like Google Meet, Microsoft Teams, Zoom, IIT Bombay Spoken Tutorial, YouTube, Swyam NPTEL as and when required.

Extended Profile

1.Programme

1.1   780

Number of courses offered by the institution across all programs during the year

File Description	Documents
Data Template	[View File](#)

2.Student

2.1   **651**

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.2   **375**

Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year

File Description	Documents
Data Template	[View File](#)

2.3   **99**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	[View File](#)

3.Academic

3.1   **97**

Number of full time teachers during the year

File Description	Documents
Data Template	[View File](#)

3.2   **97**

Number of sanctioned posts during the year

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	780

File Description	Documents
Data Template	[View File](#)

2.Student

2.1 Number of students during the year	651

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	375

File Description	Documents
Data Template	[View File](#)

2.3 Number of outgoing/ final year students during the year	99

File Description	Documents
Data Template	[View File](#)

3.Academic

3.1 Number of full time teachers during the year	97

File Description	Documents
Data Template	[View File](#)

3.2 Number of sanctioned posts during the year	97

File Description	Documents
Data Template	<u>View File</u>

4.Institution	
4.1 Total number of Classrooms and Seminar halls	54
4.2 Total expenditure excluding salary during the year (INR in lakhs)	316.21487
4.3 Total number of computers on campus for academic purposes	370

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

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 constitute the curriculum review committees, where the Director of the institute, who is the member of the Board of Studies, the syllabus is revised keeping in mind the need of the industry and other stakeholders from time to time. The academic calendar of the university is followed by the college. Dean Academics in consultation with H.O.Ds of different departments prepare the college Academic Calendar including current academic session activities, technical events and other co-curricular activities. Time table, work load and requirement for faculty (if any) are prepared by all H.O.Ds .Co-ordinators prepare time table of all the departments before the start of the session. 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. Time Table of the College is strictly followed

without any lapse. 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.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The college strictly adheres to 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, quiz, worksheets and assignments. The tutorial classes are conducted every week and predetermined in the timetable for evaluation of class performance. The tutorial classes are also used to identify the slow and fast learners in the class on one to one basis. The date of MSTs along with the marks obtained by each student is recorded in the attendance register.

Under the guidance of HOD, the internal examination superintendent controls the entire departmental examination process. During MSTs, the attendance records and documentation of answer sheet are prepared appropriately. 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 if required. After giving feedback, the duly signed answer sheets by the students are collected and deposited in secrecy cell of the college.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	Nil

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 year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University   **A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

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

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

19

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

15

File Description	Documents
Any additional information	**No File Uploaded**
Brochure or any other document relating to Add on /Certificate programs	<u>View File</u>
List of Add on /Certificate programs (Data Template)	<u>View File</u>

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

426

File Description	Documents
Any additional information	**No File Uploaded**
Details of the students enrolled in Subjects related to certificate/Add-on programs	<u>View File</u>

1.3 - Curriculum Enrichment

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

The college conducts various courses that integrate crosscutting issues as part of the curriculum prescribed by the university. The university curriculum has incorporated Human Values and Professional Ethics aspects through courses such as Human Values & Professional Ethics which encourages students to imbibe the human values which are important for their present and future life as a professional.

The university curriculum has also incorporated environmental and sustainability issues through courses such as Environmental Science, which covers the local, regional and global environmental problems related to use and over-exploitation of recourses.

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). Mandatory courses that include Constitution of India and Essence of Indian Traditional Knowledge provide the contents associated to constitutional law and constitutionalism under the Scheme of Fundamental Right to Equality (Gender discrimination). The university offers the Mentoring and Professional Development

courses for students in various semesters.

File Description	Documents
Any additional information	**No File Uploaded**
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

326

File Description	Documents
Any additional information	**No File Uploaded**
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

179

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the   **B. Any 3 of the above**

syllabus and its transaction at the institution
from the following stakeholders Students
Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	https://khalsaengineering.co.in/wp-content/uploads/2023/12/1.4.1-Feedback-Action-taken.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://khalsaengineering.co.in/wp-content/uploads/2023/12/1.4.1-Feedback-Action-taken.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

360

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

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC,

Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

26

File Description	Documents
Any additional information	[View File](#)
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

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

Students are examined through counselling while joining the institute, as well as through teacher's personal interaction and class examinations. Students have a faculty mentor. The mentor takes personal and academic care.

Advanced and Slow learners are identified based on classroom participation, previous university examinations, and MST-1. Students with grades below 40% are categorized as Slow learners while above 75% as advanced learners. Departments conduct remedial classes for slow learners beyond the regular class hours to clear concepts and understand tough topics better. Faculty provide class notes, question banks, and discuss how to write exam answers to score better.

Students with a tendency for advanced study are given reference books, research/review articles, etc. They Participate in debates, group discussions, technical exams, presentations, new projects, and seminars to strengthen analytical and problem-solving skills and presentation skills. They are encouraged to learn new technologies, establish projects, conduct research, etc. They're also advised to pursue NPTEL courses, MOOCs, ORACLE Certification, and Microsoft Certification. Students with academic excellence are awarded with cash prizes. The institute hosts Seminars, Guest Lectures, Expert Talks, Industrial Visits, and Webinars for slow and advanced learners.

File Description	Documents
Paste link for additional information	https://khalsaengineering.co.in/wp-content/uploads/2023/12/2.2.1learninglevels.pdf
Upload any additional information	**No File Uploaded**

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
651	**97**

File Description	Documents
Any additional information	View File

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

The regular academic practices in the college revolves around student-centric methods that enhance the lifelong learning skills. The students of this institute are actively engaged in experimental and laboratory work for real implementation of lessons and practicing on working models so that they get an exposure of the technicalities and complete hands on experience.

Students actively participate in technical/cultural events at state level as well as a national level in which they generally hold various positions and prizes. Through the activities stated above, the students learn the significance of soft skills like effective communication, presentation skills, etiquettes and corporate grooming. The students enhance their problem solving abilities by engaging in project works. Expert lectures & industrial visits assist the students to understand the working culture and current industrial issues. The conversations with experts motivate the students in terms of problem-solving skills. The assignments and tutorials given to the students regularly improve their reasoning and analytical abilities. The college library is well-equipped with books & e-books, technical magazines, journals & e-journals to help our students in getting updated information.

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Our institution promotes the use of ICT tools to make teaching-learning more effective and easy to learn. The college has various ICT infrastructures to facilitate interactive teaching and learning. There are 18 projectors fitted in classrooms with a bandwidth through two ISP providers providing 110 Mbps speed. Wi-Fi facility is provided throughout the campus. Other ICT tools available are : Advanced PCs, Laptops, multimedia systems, projectors, etc. along with soft-wired tools like NPTEL, MIT open course web portals, YouTube, etc. These tools help the faculty to make their teaching more effective. Institute has got status of Virtual Labs Nodal Centre from IIT Roorkee to facilitate Virtual labs for various subjects of Engineering and Applied sciences to enrich students' exposure to the elite facility of the premier institution. Institute has registered with AICTE Parakh web portal for learning assessment. Students utilize these to learn beyond the curriculum and enhance their skills. They are encouraged to learn new technologies, develop projects, carry on research activities; national and international paper presentations and publications etc. They are also guided to take up additional courses viz. Swayam - NPTEL courses, MOOCs, ORACLE Certification, and Microsoft Certification, etc. by using ICT tools. Institute has a dedicated Youtube channel (https://www.youtube.com/channel/UC1PFpj8Md3CWrRsqfZFD-tg) for the students for effective teaching learning process.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

2.3.3.1 - Number of mentors

47

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

97

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

20

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

421.88

File Description	Documents
Any additional information	**No File Uploaded**
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<u>View File</u>

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

High transparency is maintained in the institution in conducting internal assessment exams by adopting several effective mechanisms as given below: - Schedule of the exams, 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.

Internal assessment of the student is calculated by taking the average of the two MSTs along with the marks scored in assignments and attendance. The evaluation process is completed within 2-3 days. After the evaluation the evaluated answer scripts are distributed to students within a week to maintain transparency in the evaluation system. Mistakes by the students are being discussed and suggestions are given for the better performance in future. Marks lists are displayed on the notice board after being finalized and submitted to the respective HODs. The answer scripts are being deposited in secrecy cell. Marks and attendance are sent to the student's parents through post.

File Description	Documents
Any additional information	<u>View File</u>
Link for additional information	**Nil**

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

The institution has a mechanism to deal with exam related grievances. In case a student is not satisfied with the evaluation can contact the subject teacher for re-evaluation. If the student is not satisfied with the response, they can approach the HOD/Dean Academics. Moreover, they can approach Grievance Redressal Cell. The Cell takes utmost care in resolving exam related issues such as less marks, counting mistakes, poor evaluation, out of syllabus question paper, etc. Issue is addressed within a day and the whole process takes maximum seven working days and rectified marks are recorded.

For university examinations, the evaluation is done by the university in the various evaluation centres established in different colleges in its jurisdiction. Students can apply for the revaluation or scrutiny process through the university portal. Students are given time of 21 days to apply for revaluation after the declaration of result by paying a special fee. Supplementary examinations are conducted by the university. Students, who could not write the end semester examination for valid reasons, are allowed to write the supplementary examination at the next opportunity provided by the university and the grades awarded are taken as the end semester grades.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

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.

The institute ensures that information related to PO, PSO, and COs reach the students so that they may understand everything about the programs and the respective courses 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 get 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, provided to students in soft form and also in hard copy form, if they demand so. 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 are available to the teachers also. The head of the department ensures that teachers get this information in hard copy or soft. Teachers are informed on these topics through departmental faculty meetings.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://khalsaengineering.co.in/wp-content/uploads/2023/12/2.6.1-CO-and-PO.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

The attainment of POs, PSOs, and COs has calculated for subjects. The method of measuring attainment is explained below:

Direct attainment: It has two components internal and external marks. Internal marks have 40% weightage while external marks carry 60% weightage. Internal marks include marks obtained in mid semester tests, assignments/tutorials. External marks include marks that are 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.

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

Step 1: Mapping of questions in the MSTs with COs.

Step 2: The MST marks, assignment, and tutorials sheet marks are filled in the respective excel sheets. With the help of the above, the final attainment of MSTs is obtained.

Step 3: The average of the marks is calculated and the university attainment is evaluated.

Step 4: By applying the formula in the excel sheet the final

attainment of COs is calculated. The mapping of POs, PSOs with COs is done; the final attainment of Pos and PSOs from COs is calculated and compared with the target value set.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

93

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://khalsaengineering.co.in/wp-content/uploads/2023/12/2.6.3-Final-year-passing-Naac-1.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://khalsaengineering.co.in/wp-content/uploads/2023/12/2.7.1SSS.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

3.1.1.1 - Total Grants from Government and non-governmental agencies for research

projects / endowments in the institution during the year (INR in Lakhs)

`Nil`

File Description	Documents
Any additional information	**No File Uploaded**
e-copies of the grant award letters for sponsored research projects /endowments	**No File Uploaded**
List of endowments / projects with details of grants(Data Template)	<u>View File</u>

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

3.1.2.1 - Number of teachers recognized as research guides

`3`

File Description	Documents
Any additional information	**No File Uploaded**
Institutional data in prescribed format	<u>View File</u>

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

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

`0`

File Description	Documents
List of research projects and funding details (Data Template)	<u>View File</u>
Any additional information	**No File Uploaded**
Supporting document from Funding Agency	**No File Uploaded**
Paste link to funding agency website	**Nil**

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and

transfer of knowledge

Khalsa College of Engineering & Technology, Amritsar has established an InstituteInnovation Cell (IIC) in 2020-21. We provide our students and faculty ampleopportunities to connect & participate in various Innovation initiatives to inculcateentrepreneurial capabilities among them. This has created a vibrant innovativeenvironment in the Institute.

? Diversified representation in the IIC established at the institute from industry,Interdisciplinary & Departments/Units etc.KCET-IIC has representation from various departments in the College, MechanicalEngineering, Computer Science and Engineering, Electronics and CommunicationEngineering, Civil Engineering, Business Management and Computer Application,Artificial Intelligence with Machine Learning, etc. ? 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 ofsociety. ? 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 facultydevelopment • To aim for International collaborations and International programs

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

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

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

16

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

1

File Description	Documents
URL to the research page on HEI website	https://khalsaengineering.co.in/research-development/
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	**No File Uploaded**

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

38

File Description	Documents
Any additional information	**No File Uploaded**
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

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 year

3

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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 year

The institute supports the ongoing contribution of students to theneighborhood community for their holistic growth through a varietyof activities. Various awareness campaigns, seminars, rallies,webinars relating to cleanliness, green environment, genderawareness, traffic control awareness, empowerment of girls andwomen are organized regularly.N.C.C (Army Wing) of 24 Punjab Battalion NCC with the Cadets. NCC (Army Wing) has been actively working since 2017.Combined Annual Training camps of 24 Punjab Battalion NCC Amritsarare held every year at college campus. During the camp, trainingon weapon handling, map reading, and drill along with personalitydevelopment is given to the cadets. Gun machine simulator labestablished in the campus for the practical training of thecadets. They also actively participate in different activitieslike Swachhta Abhiyan, various Health Awareness Campaigns underState and Central Government schemes, Tree Plantation drives, AntiDrug Campaign, Water Conservation programs with the motive toinculcate harmony amongst the cadets.National Service Scheme (NSS) rendered by our college students hascovered several aspects like blood donation camps regularlyorganized, tree plantation camps, sanitation drives, etc.Institute collaborates with the Knowledge Villa Integrated Society and MGNCRE, Govt of India to work for the betterment of thesociety.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

8

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

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

15

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

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 year

118

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

14

File Description	Documents
e-copies of related Document	View File
Any additional information	**No File Uploaded**
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

21

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	**No File Uploaded**
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

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.

The college spread over an area of 10 acres with colossal buildings, hostels, workshops, library, seminar halls, multipurpose hall, spacious classrooms, and well-equipped laboratories and cafeteria. Surveillance cameras are installed for the security and safety. The College has different branches as per the following details:- Type of Building Units Classrooms 50 Laboratories 53 Faculty Rooms 38 Secrecy Cell 2 Washroom Blocks 15 Seminar Hall 2 Boys Common Room 1 Girls Common Room 1 Central Workshop 1 Boys Hostel 2 Girls Hostel 1 Central Library 1 Conference Hall 1 Multi-Purpose Hall 1 Administration Block 1 Director's Residence 1 Lift/Ramp facilities yes All-Purpose Hall 3 Stationary Shop 1 Cafeteria 1 Generator Room 1 Surveillance Room 1 Security Rooms 2 Medical Room 1 Plastic Recycle Machine 2 The College provides furnished hostels for boys and girls. Labs are equipped with the latest machinery, hardware andsoftwares. The college has lift, stationery shop, cafeteria, surveillance room, security rooms, guest room, music roomand vehicle parking area. College has multipurpose hall with a capacity of 300, conference hall (60), and seminar hall (110) and Examination Halls, Drawing hall, Divinity Hall and Consultancy Lab. It has a separate common rooms for boys and girls. A medical room is available for first aid with transportation facility to the hospital. A free 40-seated bus has been provided for transportation. The Administrative Block has Training and placement Cell, Dean Academics, Registrar, Alumni, Director's Office, Residence, and facility of car to the Director. The College has its own 11/400kv indoor substation of 315 KV A. A solar plant of 250kv has been installed. Generator facilities of 125 KV have been newly Installed

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

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

The Institution has adequate facilities for cultural activities

and sports. The institute has well prepared a Lawn Tennis ground as per the dimenisons of international standards.The institute has adequate facilities ofsports grounds for games like football, Cricket, Volleyball, Basketball, and Badminton. The grounds are also well groomed for field events such as Long Jump, Shot Put, Javelin Throw, well-marked tracks for Athleticsgames, (as per standard norms 6 x 1.25 M) for example 100 Mtr., 200 Mtr., 400 Mtr., 800 Mtr., and Kho-Kho etc. The institute also has a Yoga/meditation hall, an open gymnasium, and a provision for indoor games like chess, carom board, etc. in the Common Rooms of boys and girls. The institute also utilizes the sports facilities available in our Main Khalsa College, Amritsar such as ground for Cricket and a swimming pool as per the established international standards. The institutionhasMulti-Purpose Halls andDivinity hallfor cultural activities and programs.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

16

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

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

72.77731

File Description	Documents
Upload any additional information	**No File Uploaded**
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

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

The Library of the college was established in 2009, Since, the college Library is enriched in terms of textbooks, Reference books, Journals, E-journals, Magazines, Newspapers. For the ease of the users, the library is divided into department-wise various sections .The up-gradation of library software is done from time to time, "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.A separate reading room is provided to the library users where they can access OPAC on the library desktop. The college library contains Online open access resources, Competitive exam resources, etc. The college has subscribed services of DELNET consortium which provides access to more than 3,000 E-journals and more than 10,705 E-book and physical books stock is 14,933 and and also a subscription of E-resources and 20 print MAT Journals , J-Gate .

It is functional with proper internet and Wi-Fi connectivity. The library provides services like Computerize issue/return . The visiting of students and Teaching staff register is maintained regularly. The college Library is under CCTV surveillance security.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	**Nil**

4.2.2 - The institution has subscription for the `B. Any 3 of the above`
following e-resources e-journals e-
ShodhSindhu Shodhganga Membership e-
books Databases Remote access toe-resources

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

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

`3.51576`

File Description	Documents
Any additional information	**No File Uploaded**
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

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

`173`

File Description	Documents
Any additional information	**No File Uploaded**
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The college has an enormous and latest IT infrastructure tosupport the learning and teaching process. The aim is to providethe facilities for the students to utilize resources to reachgreater heights. To enable this, the institution frequentlyupdates its IT facilities. College is facilitated with 270computers connectedthrough two service providers Netplus with 100MBPS leased line that are accessible to the students and teachersand BSNL with 10 MBPS line for academic and co-curricularactivities. Faculty and non-teaching staff have been allocatedindividual computerswith sufficient data network switches, accesspoints, one high-end server, and 1 SOPHOS firewall for contentfiltering. The various online examinations of various departmentslike GATE, PSPCL, Banking, etc. are conducted on weekends.Printers are arranged in the offices, staff rooms, library,examination branch, and Laboratories. The whole campus includinghostels is fully Wi-Fi enabled which encourages students andfaculty members to use e-learning resources. Classrooms have beenequipped with LCD projectors. The entire campus is monitored with 88 CCTVs including girls hostel, boys hostel, library andexamination halls

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

4.3.2 - Number of Computers

370

File Description	Documents
Upload any additional information	[View File](#)
List of Computers	[View File](#)

4.3.3 - Bandwidth of internet connection in the Institution   A. ? 50MBPS

File Description	Documents
Upload any additional Information	**No File Uploaded**
Details of available bandwidth of internet connection in the Institution	[View File](#)

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

27.92744

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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.

The Institute has a dedicated Works Department headed by qualified engineer for the maintenance with staff of Project manager, Supervisors, Estate Officer, Electricians, Carpenters, Gardeners, Plumbers, House Keeping Staff and Store In-charge. Calibration of all equipment/machinery/hardwarein the laboratories and respectivedepartmentsis done twice a year. The institute performed maintenance intwo categories of repairs:- Major and Minor. Minor repairs aredone by the lab technicians and major repairs are done through the certified engineers of the companies after the approval is obtained from the headand Director of the institute. If the expenses are higher then approval is obtainedfrom the Society Office of Governing Body through the Director of the Institute. Maintenance of equipment is done regularly in the labs and overseen by the in-charge teacher. Cleaning of labs/classes is done daily under the supervision of cleanliness-in-charge. The proper logbooks are available to maintain the record of utilizing the physical and academic facilities of the institute. Incharges and Headsperiodically supervise the infrastructure/Inventory of their respective department and blocks. Yearly Audit of each Department is performed by every Department and the report is submitted to the Governing Body through E-governance.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

43

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	[View File](#)
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	[View File](#)

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

60

File Description	Documents
Upload any additional information	[View File](#)
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	[View File](#)

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://khalsaengineering.co.in/wp-content/uploads/2023/12/5.1.3_supporting.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

134

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

134

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View File](#)
Upload any additional information	**No File Uploaded**
Details of student grievances including sexual harassment and ragging cases	[View File](#)

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

54

File Description	Documents
Self-attested list of students placed	[View File](#)
Upload any additional information	[View File](#)
Details of student placement during the year (Data Template)	[View File](#)

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

5

File Description	Documents
Upload supporting data for student/alumni	[View File](#)
Any additional information	**No File Uploaded**
Details of student progression to higher education	[View File](#)

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

4

File Description	Documents
Upload supporting data for the same	View File
Any additional information	**No File Uploaded**
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

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) during the year.

25

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	**No File Uploaded**
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

Khalsa College of Engineering & Technology strongly believes thatprogress is not possible without the involvement of itsstakeholders. Students being the biggest stake holders are

giveneveryd possible chance to aid, facilitate and organize differentevents. Khalsa College of Engineering & Technology has establisheda Student Academic and Administration Council .The studentcommittees are formed for looking after extracurricular activitiesand academic events throughout the year.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 ofvarious 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 problemregarding academics at any time being faced by the student.

5. Provide feedback and suggestions regarding the administrativeissues in the academic complex e.g. LHs, Labs, Seminar Halls etc.

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

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

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

80

File Description	Documents
Report of the event	View File
Upload any additional information	**No File Uploaded**
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

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

We have registered alumni association, which was registered on 19th April,2021. Through this association, we regularly keep in touch with students who are at various higher positions and doing

great in different industries across the globe. In this association, we have four posts for the students:

1. President

2. Vice-President

3. General Secretary

4. Finance Secretary

Members of our alumni association work tirelessly for the enhancement of their juniors through various guest lectures, seminars and webinars. Every year alumni meet is conducted to be in touch with alumni association and to know about the well-being of the alumni. During Alumni Meet the worthy director interact with various students and encourage 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. Our Institute has purchased software named Almabay 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 during all Alumni meets.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

5.4.2 - Alumni contribution during the year (INR in Lakhs)   **D. 1 Lakhs - 3Lakhs**

File Description	Documents
Upload any additional information	**No File Uploaded**

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

Vision

The vision of Khalsa College of Engineering and Technology Amritsar is to elevate the youth on the basis of access and equity through multidisciplinary education, transformation and research exploration.

Mission

- **Our mission is to produce industry oriented, competent, creative, ethical and skilled professionals with an international outlook**
- **Confident to contribute towards sustainable development in rural and urban areas.**
- **To be centre of excellence in which research and scholarship flourish.**
- **To provide entrepreneurs and strategic leaders for societal and human good.**

Core Values

1. **Excellence**
2. **Ethics**
3. **Dignity**

4. Integrity
5. Discipline

- We create life enhancing learning experience for our students to develop personally and professionally.
- We put our students and their goals as focus of teaching.
- We build relationship through respect and responsibility.
- We encourage creativity among our students and teachers.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

Various Committees have been constituted at the college level for the proper functioning of the institute. Among them Consultancy Cell truly shows a truly decentralized and participative management.

The Case Study ----- How the Consultancy Cell of the college was established:-

The Department of Civil Engineering mooted the idea of starting 'Consultancy Lab' in its periodic meeting in the year 2013. The proposal was discussed with the worthy Director. The departments setup a team to study its feasibility in the area and visit other consultancy labs in the state. The process took six months time to take a presentable form.

The Director and the HOD met the management with the proposal where it was discussed with the experts. Then the Director setup 'Purchase Committee' for the purchase of the machines as per policy of the management. The College Consultancy Lab came into being in the year 2014, costing Rupees 45 lakhs. Since its establishment, it has been offering consultancy services in various areas.

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

development fund.

Revenue of Rs/-354200 has been generated by the Consultancy department during the last 2022-2023 year.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

College is growing in various domains:

1.Academics: Through (a) Expansion, (b) Standardization and (c) Enhancement.

2. Research: Through (a) Research, (b) Consultancy, (c) Industry Engagement and (d) Innovation and Incubation. Director motivates the faculty for enhancement in qualification with Ph.D, to Organize International /National conferences and to publish more research papers in journals like IEEE, Springer, etc. Faculty is motivated to attend FDPs to strive for excellence in teaching & learning process. Various MoUs have been signed and planned further.

3. Faculty/ Teaching and Non-Teaching: Recruitment of more experienced staff.

4. Infrastructure: Through (a) Academic, (b) Supporting and (c) Digital Infrastructure

The labs of the Institute are equipped with latest instruments to facilitate research.

5. Student Welfare: Through skill development/ student support and extracurricularActivities.

6. Alumni: Alumni Cell; alumni participation in teaching and alumni endowment.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

1. The Khalsa College Managing Committee is the administrative head of the institution.
2. The Director has full authority related to appointments and ensuring the proper conduct of all the academic, research and extension activities.
3. There are different Committees and Cells made by the director focusing on specific tasks and roles in the College. Director has complete purchasing power and the executive leadership which is shared with the Deans, Registrar, HOD's and committees for central facilities, they have purchasing power upto Rs.10, 000/-.
4. 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

1. Service rules and procedures as stipulated by IKG - PTU Jalandhar, along with the Khalsa college managing committee are strictly followed by the institute which is also written in the appointment letter of each and every employee of the college and are taken care of by the HODs and the Office Superintendent who prepare the service books and HODs prepare the confidential annual report.

File Description	Documents
Paste link for additional information	**Nil**
Link to Organogram of the institution webpage	https://khalsaengineering.co.in/organizational-structure/
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	**No File Uploaded**
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The Managing committee of Khalsa College Charitable Society, Amritsar promote research and development by providing incentives.

- **The Director of the college who herself is research oriented, 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.**
- **The Management provides funding and incentives to the faculty members for participating in international/national conferences/ obtaining books/journals/research material/research projects etc.**
- **Best Researcher Award (1 Lakh)**
- **Patent Award (50 thousand)**
- **Best Teacher Award (50 thousand)**

- **Sponsored Funding Research Project (10%) by Management**
- **Share of Consultancy (40%)**
- **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	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

45

File Description	Documents
Upload any additional information	[View File](#)
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	[View File](#)

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

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

5

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	**No File Uploaded**
Upload any additional information	<u>View File</u>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<u>View File</u>

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

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

28

File Description	Documents
IQAC report summary	**No File Uploaded**
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	<u>View File</u>
Details of teachers attending professional development programmes during the year (Data Template)	<u>View File</u>

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

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. 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.

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	Documents
Paste link for additional information	**Nil**
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

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(Segal Khanna Mundra Mehra &Co)appointed by Khalsa College Charitable Society, Amritsar. The balance sheets of all institutions are 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	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

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

Nil

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	[View File]()

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

All the resources for the infrastructure augmentation and maintenance are provided by the Khalsa College Charitable 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 PTU, 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 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 for completing their education.

Amount Received

2022-23

Total

Through Consultancy Lab

354200

354200

Infrastructure used by outside

agencies

350977 350977

Ray of Hope

169590

169590

Grand Total

874767

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	View File

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

The main aim of IQAC is to focus on overall quality of ongoing activities in the institution. IQAC aims at improving the Quality of Academics as well as quality of life.

1. Quality of Academics:

Improving the quality of Academics is the major concern of IQAC. Since each student as different caliber and different understanding level so slow and advanced learners are identified and theTeaching process is conducted as per the learning level of the students in the semester. Students are also provided with ADD- ON/ Value added courses keeping in view the latest industry demands. The College has an excellent practice of adopting students for guiding and counseling under the virtual parenting

concepts. Every teacher acts as a mother figure for students entrusted to him or her. To implement this scheme there is a coordinator who keeps and maintains the records.

2. Quality of Life:

IQAC takes the responsibility to improve the quality of life and hence focus on holistic development of students. There are various Audits viz: Water Audit, Health Audit, Campus Cleanliness Audit, Food Audit, etc through various reports submitted by the concerned committees. There are various activities/interactive sessions/seminars/webinars related to ethical values, yoga and meditation.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

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

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 maintain incrementalimprovement in their performance. Majority of the teachers use multimedia projectors/ICT tools 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. The faculty adopt latestteaching peadogoy for the holstic development of students

Example – 2

Feedback System

1. During the academic system, Teaching Feedback is taken in every semester from students and teacher whose score is less they have to submit corrective action reports.MST results and attendance record are sent tostudents parents as per the routine pratice. Record is maintained of all students with their signature.
2. Curriculum feedback is also taken from all stake holders.
3. Remedial classes are organized and scheduled for slow runners in everysemester. The separate time table is prepared after every MST and classes are scheduled as per the time table..
4. It is ensured that every class gets at least one period in a day to visit the library for self learningandfamiliarized with the books and journals on the subjects. The college facilitates the learning online courses like MOOCs, NPTEL etc. Our college is a nodal center local chapter of NPTEL.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://khalsaengineering.co.in/wp-content/uploads/2023/12/aqar-2021-2022.pdf
Upload e-copies of the accreditations and certifications	[View File](#)
Upload any additional information	**No File Uploaded**
Upload details of Quality assurance initiatives of the institution (Data Template)	[View File](#)

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 year

Khalsa College of engineering and Technology leaves no stone unturned to maintain and provide an inclusive environment where male and female students, faculty members and non-teaching staff can work together in an atmosphere free of gender violence, sexual harassment, and gender discrimination providing a sense of personal security and dignity. The Institute provides CCTV surveillance throughout the campus as well as in boys' and girls' hostel for safety and security purposes. Various Committees viz: Women Cell, Anti-ragging committee Grievances Redressal Committee, are formed to keep a check on any kind of nefarious activity in the campus and to ensure the safety and security of girl students. Students can approach the committee members without any time constraint. There are different committees to check the cleanliness of the college premises including washrooms, hostels and mess along with cafeteria. There is Grievance Redressal Committee in college, which keep in touch with students to make sure that no incidence of injustice in the campus.

Separate common rooms for boys and girls, Daycare center for kids of female faculty, Medical/ Counseling room is also available for the counseling sessions of the students.

File Description	Documents
Annual gender sensitization action plan	https://khalsaengineering.co.in/wp-content/uploads/2023/12/7.1.1A-Gende-Equity.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://khalsaengineering.co.in/wp-content/uploads/2023/12/7.1.1b-Other-facilities.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures   Solar energy Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

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

The E-waste in the institute comprises of batteries, UPS, damaged devices like mouse, key boards, electronic instruments, computers,

peripherals, wires and cables. The E-waste is re-used in case of repairable and brought to make use of them again. We try to minimize the accumulation of E-waste. Also institute has signed and E –waste MoU. 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.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	[View File]()
Geo tagged photographs of the facilities	[View File]()

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus   **C. Any 2 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File]()
Any other relevant information	[View File]()

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: **A. Any 4 or All of the above**

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (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

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	**No File Uploaded**
Any other relevant information	View File

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 200 words).

Being a part of Khalsa College Charitable Society, our institute is committed towards the holistic and integrated development of our students and we inculcate the values of peaceful co-existence and universal brotherhood amongst our students. Students from different religious communities and states are a part of our family. It is always the prime 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 round the year to instill the various qualities of tolerance and harmony towards culture, region, language, religion and community among the students. The purpose is to make students aware about the issues related to serving the humanity. The members of the college not only help to keep college clean and green, but also offer volunteer services to organize litter-free, Eco-friendly religious processions in the city.

There are different events all-round the year to infuse amongst the students the characteristics of steadiness, contentment and gratification. Students are motivated to participate in various youth festivals and cultural festivals which instill the attribute of harmony with culture, religion and other diversities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File]()
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

So as to inculcate and instill the habit of becoming a more disciplined, responsibleand sensibleand law abiding citizens of the country various activities, events and programmesviz: seminars, talks, interactive sessions are organized under taken in our institute. These events related to no plastic, clean air, literacy, language, traffic rules ,role of youth towards society and many more eventsmake help students to understand about their roles and responsibilities an individual towards their community, society and a democratic country like India.

Various days are observed like Earth Day, World Water Day to make raise the consciousness of students related to these major issues. Students are motivated to keep their environment clean and so students enthusiastically participate in cleanliness drives during processions on Gurpurabs.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	[https://khalsaengineering.co.in/wp-content/uploads/2023/12/7.1.9_Supporting-weblink.pdf]()
Any other relevant information	Nil

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. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes   A. All of the above

professional ethics programmes for students,   teachers, administrators and other staff   4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
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 File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Every year our institute organizes various events to observe the national and international commemorative days and festivals. In these activities, students also take part whole heartedly, affectionately, and enthusiastically. Under the auspices of the Khalsa College Charitable Society, all staff and students of Khalsa College of Engineering and Technology take part in the annual keertandarbar, which is conducted at Gurduwara Sahib, Khalsa College, Amritsar, to commemorate the commemoration of Gurpurab of every Sikh Guru. At Khalsa College of Engineering and Technology, both faculty and students carry out keertan in accordance with the socially given obligation.

Additionally, the whole professors, staff, and students of Khalsa College of Engineering and Technology engage in an annual procession that begins at Khalsa College in Amritsar and ends at Golden Temple in Amritsar to commemorate the festival of Prakash Purab, the birthday of the first Sikh Guru, Guru Nanak DevJi. With great fervor and excitement, everyone of the instructors, staff, and students take part in this 5-kilometer march, singing hymns and performing keertan.

Additionally, a variety of occasions are observed on campuses, including Azadi Ka Amrit Mahotsav, Unity Day, Gandhi Jayanti, International Women's Day, World Water Day, Science Day, World Health Day, and International Martyrdom Day of Shaheed Bhagat

Singh: to instill patriotism, oneness and belongingness amongst students.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice I

Title: Appreciation for Academic Excellence

Objectives: To improve the academic results of the institute by providing appreciation to students and faculty for their excellence.

Context: Students of each semester/branch are given scholarships/concessions for their academic achievements. Faculty is given capital fund and Best Researcher/Teacher Award.

Practice:

Students: Concessionsgiven as per norms

Faculty:

- 10% of total amount is awarded to faculty for any state/central institution/agency grant.
- Rs.50,000/- for patent registered.
- Academic Leave/financial aid for attending the conference/FDPs/Workshops.

Evidence of Success: Academic results have improved. More students have been securing merit positions. Faculty is engrossed in research.

Problems Encountered/Resources Required: These benefits are provided as pergoverning society rules/norms.

Best Practice II

Title: Virtual Parenting

Objectives: To form a trusted/firm bond between teacher and student.

Context: A mentor is assigned to every first year student. Teachers as virtual parents create a better environment for communication with students.

Practice: Teacher regularly monitor the overall performance of the students and provide them a good ambience where they can learn/grow/flourish. Repeated counseling sessions/meetings. Students are made to believe that they can achieve anything and a sense of confidence is inculcated in them.

Evidence of Success: Students were able to tackle problems themselves. Shy/introvert students turned confident enough to participate in various activities. academic results got improved.

Problems Encountered/Resources Required:Students from diverse backgrounds require different approaches which need lots of effort of virtual parent.

File Description	Documents
Best practices in the Institutional website	https://khalsaengineering.co.in/wp-content/uploads/2023/12/Best-Practices.pdf
Any other relevant information	**Nil**

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

RAY OF HOPE

Main objective is to help the needy students at the time of financial emergency and breakdowns 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.

This is a kind of charity started by the faculty of the college in 2016 after seeking the requisite permission from our governing society. A bank account in the name of "Ray of Hope" with Punjab National Bank was opened and faculty started contributing from their own sources, to the account for achieving the aims and objects of the organization. It started slowly but knowing the noble cause, the members contributed generously from their own purses and started helping with the equal generosity.

Some alumni/other donors have also started contributing volunteer donations to this charitable fund. This is in accordance with the vision and mission of the college where we believe in proving the access to education to everybody. 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.

We as a family always stand together to create the better future for our students keeping in mind our core values i.e. kindness, compassion and welfare and well-being for all.

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Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

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 constitute the curriculum review committees, where the Director of the institute, who is the member of the Board of Studies, the syllabus is revised keeping in mind the need of the industry and other stakeholders from time to time. The academic calendar of the university is followed by the college. Dean Academics in consultation with H.O.Ds of different departments prepare the college Academic Calendar including current academic session activities, technical events and other co-curricular activities. Time table, work load and requirement for faculty (if any) are prepared by all H.O.Ds .Co-ordinators prepare time table of all the departments before the start of the session. 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. Time Table of the College is strictly followed without any lapse. 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.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	**Nil**

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The college strictly adheres to 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, quiz, worksheets and assignments. The tutorial classes are conducted every week and predetermined in the timetable for evaluation of class performance. The tutorial classes are also used to identify the slow and fast learners in the class on one to one basis. The date of MSTs along with the marks obtained by each student is recorded in the attendance register.

Under the guidance of HOD, the internal examination superintendent controls the entire departmental examination process. During MSTs, the attendance records and documentation of answer sheet are prepared appropriately. 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 if required. After giving feedback, the duly signed answer sheets by the students are collected and deposited in secrecy cell of the college.

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	Nil

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 year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

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

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

19

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

15

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

426

File Description	Documents
Any additional information	**No File Uploaded**
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

The college conducts various courses that integrate crosscutting issues as part of the curriculum prescribed by the university. The university curriculum has incorporated Human Values and Professional Ethics aspects through courses such as Human Values & Professional Ethics which encourages students to imbibe the human values which are important for their present and future life as a professional.

The university curriculum has also incorporated environmental and sustainability issues through courses such as Environmental Science, which covers the local, regional and global environmental problems related to use and over-exploitation of recourses.

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). Mandatory courses that include Constitution of India and Essence of Indian Traditional Knowledge provide the contents associated to constitutional law and constitutionalism under the Scheme of Fundamental Right to Equality (Gender discrimination). The university offers the Mentoring and Professional Development courses for students in various semesters.

File Description	Documents
Any additional information	**No File Uploaded**
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

326

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

179

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	B. Any 3 of the above

File Description	Documents
URL for stakeholder feedback report	https://khalsaengineering.co.in/wp-content/uploads/2023/12/1.4.1-Feedback-Action-taken.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://khalsaengineering.co.in/wp-content/uploads/2023/12/1.4.1-Feedback-Action-taken.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

360

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

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

26

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

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

Students are examined through counselling while joining the institute, as well as through teacher's personal interaction and class examinations. Students have a faculty mentor. The mentor takes personal and academic care.

Advanced and Slow learners are identified based on classroom participation, previous university examinations, and MST-1. Students with grades below 40% are categorized as Slow learners while above 75% as advanced learners. Departments conduct remedial classes for slow learners beyond the regular class hours to clear concepts and understand tough topics better. Faculty provide class notes, question banks, and discuss how to write exam answers to score better.

Students with a tendency for advanced study are given reference books, research/review articles, etc. They Participate in debates, group discussions, technical exams, presentations, new projects, and seminars to strengthen analytical and problem-solving skills and presentation skills. They are encouraged to learn new technologies, establish projects, conduct research, etc. They're also advised to pursue NPTEL courses, MOOCs, ORACLE Certification, and Microsoft Certification. Students with academic excellence are awarded with cash prizes. The institute hosts Seminars, Guest Lectures, Expert Talks, Industrial Visits, and Webinars for slow and advanced learners.

File Description	Documents
Paste link for additional information	https://khalsaengineering.co.in/wp-content/uploads/2023/12/2.2.1learninglevels.pdf
Upload any additional information	No File Uploaded

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
651	97

File Description	Documents
Any additional information	View File

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

The regular academic practices in the college revolves around student-centric methods that enhance the lifelong learning skills. The students of this institute are actively engaged in experimental and laboratory work for real implementation of lessons and practicing on working models so that they get an exposure of the technicalities and complete hands on experience.

Students actively participate in technical/cultural events at state level as well as a national level in which they generally hold various positions and prizes. Through the activities stated above, the students learn the significance of soft skills like effective communication, presentation skills, etiquettes and corporate grooming. The students enhance their problem solving abilities by engaging in project works. Expert lectures & industrial visits assist the students to understand the working culture and current industrial issues. The conversations with experts motivate the students in terms of problem-solving skills. The assignments and tutorials given to the students regularly improve their reasoning and analytical abilities. The college library is well-equipped with books & e-books, technical magazines, journals & e-journals to help our students in getting updated information.

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

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

description in maximum of 200 words

Our institution promotes the use of ICT tools to make teaching-learning more effective and easy to learn. The college has various ICT infrastructures to facilitate interactive teaching and learning. There are 18 projectors fitted in classrooms with a bandwidth through two ISP providers providing 110 Mbps speed. Wi-Fi facility is provided throughout the campus. Other ICT tools available are : Advanced PCs, Laptops, multimedia systems, projectors, etc. along with soft-wired tools like NPTEL, MIT open course web portals, YouTube, etc. These tools help the faculty to make their teaching more effective. Institute has got status of Virtual Labs Nodal Centre from IIT Roorkee to facilitate Virtual labs for various subjects of Engineering and Applied sciences to enrich students' exposure to the elite facility of the premier institution. Institute has registered with AICTE Parakh web portal for learning assessment. Students utilize these to learn beyond the curriculum and enhance their skills. They are encouraged to learn new technologies, develop projects, carry on research activities; national and international paper presentations and publications etc. They are also guided to take up additional courses viz. Swayam - NPTEL courses, MOOCs, ORACLE Certification, and Microsoft Certification, etc. by using ICT tools. Institute has a dedicated Youtube channel (https://www.youtube.com/channel/UC1PFpj8Md3CWrRsqfZFD-tg) for the students for effective teaching learning process.

File Description	Documents
Upload any additional information	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

2.3.3.1 - Number of mentors

47

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	*View File*
Circulars pertaining to assigning mentors to mentees	*View File*
Mentor/mentee ratio	*View File*

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

97

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	*View File*
Any additional information	**No File Uploaded**
List of the faculty members authenticated by the Head of HEI	*View File*

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

20

File Description	Documents
Any additional information	**No File Uploaded**
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	*View File*

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

421.88

File Description	Documents
Any additional information	**No File Uploaded**
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

High transparency is maintained in the institution in conducting internal assessment exams by adopting several effective mechanisms as given below: - Schedule of the exams, 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.

Internal assessment of the student is calculated by taking the average of the two MSTs along with the marks scored in assignments and attendance. The evaluation process is completed within 2-3 days. After the evaluation the evaluated answer scripts are distributed to students within a week to maintain transparency in the evaluation system. Mistakes by the students are being discussed and suggestions are given for the better performance in future. Marks lists are displayed on the notice board after being finalized and submitted to the respective HODs. The answer scripts are being deposited in secrecy cell. Marks and attendance are sent to the student's parents through post.

File Description	Documents
Any additional information	View File
Link for additional information	**Nil**

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

The institution has a mechanism to deal with exam related grievances. In case a student is not satisfied with the evaluation can contact the subject teacher for re-evaluation.

If the student is not satisfied with the response, they can approach the HOD/Dean Academics. Moreover, they can approach Grievance Redressal Cell. The Cell takes utmost care in resolving exam related issues such as less marks, counting mistakes, poor evaluation, out of syllabus question paper, etc. Issue is addressed within a day and the whole process takes maximum seven working days and rectified marks are recorded.

For university examinations, the evaluation is done by the university in the various evaluation centres established in different colleges in its jurisdiction. Students can apply for the revaluation or scrutiny process through the university portal. Students are given time of 21 days to apply for revaluation after the declaration of result by paying a special fee. Supplementary examinations are conducted by the university. Students, who could not write the end semester examination for valid reasons, are allowed to write the supplementary examination at the next opportunity provided by the university and the grades awarded are taken as the end semester grades.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	Nil

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.

The institute ensures that information related to PO, PSO, and COs reach the students so that they may understand everything about the programs and the respective courses 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 get 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, provided to students in soft form and also in hard copy form, if they demand so. 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 are available to the teachers also. The head of the department ensures that teachers get this information in hard copy or soft. Teachers are informed on these topics through departmental faculty meetings.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://khalsaengineering.co.in/wp-content/uploads/2023/12/2.6.1-CO-and-PO.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

The attainment of POs, PSOs, and COs has calculated for subjects. The method of measuring attainment is explained below:

Direct attainment: It has two components internal and external marks. Internal marks have 40% weightage while external marks carry 60% weightage. Internal marks include marks obtained in mid semester tests, assignments/tutorials. External marks include marks that are 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.

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

Step 1: Mapping of questions in the MSTs with COs.

Step 2: The MST marks, assignment, and tutorials sheet marks are filled in the respective excel sheets. With the help of the above, the final attainment of MSTs is obtained.

Step 3: The average of the marks is calculated and the university attainment is evaluated.

Step 4: By applying the formula in the excel sheet the final attainment of COs is calculated. The mapping of POs, PSOs with COs is done; the final attainment of Pos and PSOs from COs is calculated and compared with the target value set.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	**Nil**

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

93

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	[View File](#)
Paste link for the annual report	https://khalsaengineering.co.in/wp-content/uploads/2023/12/2.6.3-Final-year-passing-Naac-1.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://khalsaengineering.co.in/wp-content/uploads/2023/12/2.7.1SSS.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

Nil

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	View File

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

3.1.2.1 - Number of teachers recognized as research guides

3

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

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

0

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

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

Khalsa College of Engineering & Technology, Amritsar has established an InstituteInnovation Cell (IIC) in 2020-21. We provide our students and faculty ampleopportunities to connect & participate in various Innovation initiatives to inculcateentrepreneurial capabilities among them. This has created a vibrant innovativeenvironment in the Institute.

? Diversified representation in the IIC established at the institute from industry,Interdisciplinary & Departments/Units etc.KCET-IIC has representation from various departments in the College, MechanicalEngineering, Computer Science and Engineering, Electronics and CommunicationEngineering, Civil Engineering, Business Management and Computer Application,Artificial Intelligence with Machine Learning, etc. ? 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 ofsociety. ? 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 facultydevelopment • To aim for International collaborations and International programs

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

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

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

16

File Description	Documents
Report of the event	View File
Any additional information	**No File Uploaded**
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

1

File Description	Documents
URL to the research page on HEI website	https://khalsaengineering.co.in/research-development/
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	**No File Uploaded**

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

38

File Description	Documents
Any additional information	**No File Uploaded**
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

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 year

3

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

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 year

The institute supports the ongoing contribution of students to theneighborhood community for their holistic growth through a varietyof activities. Various awareness campaigns, seminars, rallies,webinars relating to cleanliness, green environment, genderawareness, traffic control awareness, empowerment of girls andwomen are organized regularly.N.C.C (Army Wing) of 24 Punjab Battalion NCC with the Cadets. NCC (Army Wing) has been actively working since 2017.Combined Annual Training camps of 24 Punjab Battalion NCC Amritsarare held every year at college campus. During the camp, trainingon weapon handling, map reading, and drill along with personalitydevelopment is given to the cadets. Gun machine simulator labestablished in the campus for the practical training of thecadets. They also actively participate in different activitieslike Swachhta Abhiyan, various Health Awareness Campaigns underState and Central Government schemes, Tree Plantation drives, AntiDrug Campaign, Water Conservation programs with the motive toinculcate harmony amongst the cadets.National Service Scheme (NSS) rendered by our college students hascovered several aspects like blood donation camps regularlyorganized, tree plantation camps, sanitation drives, etc.Institute collaborates with the Knowledge Villa Integrated Society and MGNCRE, Govt of India to work for the betterment of thesociety.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

8

File Description	Documents
Any additional information	**No File Uploaded**
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

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

15

File Description	Documents
Reports of the event organized	View File
Any additional information	**No File Uploaded**
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

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 year

118

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

14

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

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

21

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

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.

The college spread over an area of 10 acres with colossal buildings, hostels, workshops, library, seminar halls, multipurpose hall, spacious classrooms, and well-equipped laboratories and cafeteria. Surveillance cameras are installed for the security and safety. The College has different branches as per the following details:- Type of Building Units Classrooms 50 Laboratories 53 Faculty Rooms 38 Secrecy Cell 2 Washroom Blocks 15 Seminar Hall 2 Boys Common Room 1 Girls Common Room 1 Central Workshop 1 Boys Hostel 2 Girls Hostel 1 Central Library 1 Conference Hall 1 Multi-Purpose Hall 1 Administration Block 1 Director's Residence 1 Lift/Ramp facilities yes All-Purpose Hall 3 Stationary Shop 1 Cafeteria 1 Generator Room 1 Surveillance Room 1 Security Rooms 2 Medical Room 1 Plastic Recycle Machine 2 The College provides furnished hostels for boys and girls. Labs are equipped with the latest machinery, hardware andsoftwares. The college has lift, stationery shop, cafeteria, surveillance room, security rooms, guest room, music roomand vehicle parking area. College has multipurpose hall with a capacity of 300, conference hall (60), and seminar hall (110) and Examination Halls, Drawing hall, Divinity Hall and Consultancy Lab. It has a separate common rooms for boys and girls. A medical room is available for first aid with transportation facility to the hospital. A free 40-seated bus has been provided for transportation. The Administrative Block has Training and placement Cell, Dean Academics, Registrar, Alumni, Director's Office, Residence, and facility of car to the Director. The College has its own 11/400kv indoor substation of 315 KV A. A solar plant of 250kv has been installed. Generator facilities of 125 KV have been newly Installed

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

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

The Institution has adequate facilities for cultural activities and sports. The institute has well prepared a Lawn Tennis ground as per the dimenisons of international standards.The institute has adequate facilities ofsports grounds for games like football, Cricket, Volleyball, Basketball, and Badminton. The grounds are also well groomed for field events such as Long Jump, Shot Put, Javelin Throw, well-marked tracks for Athleticsgames, (as per standard norms 6 x 1.25 M) for example 100 Mtr., 200 Mtr., 400 Mtr., 800 Mtr., and Kho-Kho etc. The institute also has a Yoga/meditation hall, an open gymnasium, and a provision for indoor games like chess, carom board, etc. in the Common Rooms of boys and girls. The institute also utilizes the sports facilities available in our Main Khalsa College, Amritsar such as ground for Cricket and a swimming pool as per the established international standards. The institutionhasMulti-Purpose Halls andDivinity hallfor cultural activities and programs.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

16

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

72.77731

File Description	Documents
Upload any additional information	**No File Uploaded**
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

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

The Library of the college was established in 2009, Since, the college Library is enriched in terms of textbooks, Reference books, Journals, E-journals, Magazines, Newspapers. For the ease of the users, the library is divided into department-wise various sections .The up-gradation of library software is done from time to time, "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.A separate reading room is provided to the library users where they can access OPAC on the library desktop. The college library contains Online open access resources, Competitive exam resources, etc. The college has subscribed services of DELNET consortium which provides access to more than 3,000 E-journals and more than 10,705 E-book and physical books stock is 14,933 and and also a subscription of E-resources and 20 print MAT Journals , J-Gate .

It is functional with proper internet and Wi-Fi connectivity. The library provides services like Computerize issue/return . The visiting of students and Teaching staff register is maintained regularly. The college Library is under CCTV surveillance security.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	**Nil**

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	**B. Any 3 of the above**

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

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

3.51576

File Description	Documents
Any additional information	**No File Uploaded**
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

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

173

File Description	Documents
Any additional information	**No File Uploaded**
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The college has an enormous and latest IT infrastructure tosupport the learning and teaching process. The aim is to providethe facilities for the students to utilize resources to reachgreater heights. To enable this, the institution frequentlyupdates its IT facilities. College is facilitated with 270computers connectedthrough two service providers Netplus with 100MBPS leased line that are accessible to the students and teachersand BSNL with 10 MBPS line for academic and co-curricularactivities. Faculty and non-teaching staff have been allocatedindividual computerswith sufficient data network switches, accesspoints, one high-end server, and 1 SOPHOS firewall for contentfiltering. The various online examinations of various departmentslike GATE, PSPCL, Banking, etc. are conducted on weekends.Printers are arranged in the offices, staff rooms, library,examination branch, and Laboratories. The whole campus includinghostels is fully Wi-Fi enabled which encourages students andfaculty members to use e-learning resources. Classrooms have beenequipped with LCD projectors. The entire campus is monitored with 88 CCTVs including girls hostel, boys hostel, library andexamination halls

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**

4.3.2 - Number of Computers

370

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	**No File Uploaded**
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

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

27.92744

File Description	Documents
Upload any additional information	**No File Uploaded**
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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.

The Institute has a dedicated Works Department headed by qualified engineer for the maintenance with staff of Project manager, Supervisors, Estate Officer, Electricians, Carpenters, Gardeners, Plumbers, House Keeping Staff and Store In-charge. Calibration of all equipment/machinery/hardwarein the laboratories and respectivedepartmentsis done twice a year. The

institute performed maintenance intwo categories of repairs:- Major and Minor. Minor repairs aredone by the lab technicians and major repairs are done through the certified engineers of the companies after the approval is obtained from the headand Director of the institute. If the expenses are higher then approval is obtainedfrom the Society Office of Governing Body through the Director of the Institute. Maintenance of equipment is done regularly in the labs and overseen by the in-charge teacher. Cleaning of labs/classes is done daily under the supervision of cleanliness-in-charge. The proper logbooks are available to maintain the record of utilizing the physical and academic facilities of the institute. Incharges and Headsperiodically supervise the infrastructure/Inventory of their respective department and blocks. Yearly Audit of each Department is performed by every Department and the report is submitted to the Governing Body through E-governance.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

43

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	[View File](#)
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	[View File](#)

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

60

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

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	**A. All of the above**

File Description	Documents
Link to Institutional website	https://khalsaengineering.co.in/wp-content/uploads/2023/12/5.1.3_supporting.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

134

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

134

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

54

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

5

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	**No File Uploaded**
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

4

File Description	Documents
Upload supporting data for the same	View File
Any additional information	**No File Uploaded**
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural

activities at university/state/national / international level (award for a team event should be counted as one) during the year

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) during the year.

25

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	**No File Uploaded**
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

Khalsa College of Engineering & Technology strongly believes thatprogress is not possible without the involvement of itsstakeholders. Students being the biggest stake holders are givenevery possible chance to aid, facilitate and organize differentevents. Khalsa College of Engineering & Technology has establisheda Student Academic and Administration Council .The studentcommittees are formed for looking after extracurricular activitiesand academic events throughout the year.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 ofvarious 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 problemregarding academics at any time being faced by the student.

5. Provide feedback and suggestions regarding the administrativeissues in the academic complex e.g. LHs, Labs, Seminar Halls etc.

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

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

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

80

File Description	Documents
Report of the event	View File
Upload any additional information	**No File Uploaded**
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

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

We have registered alumni association, which was registered on 19th April,2021. Through this association, we regularly keep in touch with students who are at various higher positions and doing

great in different industries across the globe. In this association, we have four posts for the students:

1. President

2. Vice-President

3. General Secretary

4. Finance Secretary

Members of our alumni association work tirelessly for the enhancement of their juniors through various guest lectures, seminars and webinars. Every year alumni meet is conducted to be in touch with alumni association and to know about the well-being of the alumni. During Alumni Meet the worthy director interact with various students and encourage 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. Our Institute has purchased software named Almabay 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 during all Alumni meets.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	D. 1 Lakhs - 3Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

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

Vision

The vision of Khalsa College of Engineering and Technology Amritsar is to elevate the youth on the basis of access and equity through multidisciplinary education, transformation and research exploration.

Mission

- **Our mission is to produce industry oriented, competent, creative, ethical and skilled professionals with an international outlook**
- **Confident to contribute towards sustainable development in rural and urban areas.**
- **To be centre of excellence in which research and scholarship flourish.**
- **To provide entrepreneurs and strategic leaders for societal and human good.**

Core Values

1. **Excellence**
2. **Ethics**
3. **Dignity**
4. **Integrity**
5. **Discipline**

- **We create life enhancing learning experience for our students to develop personally and professionally.**
- **We put our students and their goals as focus of teaching.**
- **We build relationship through respect and responsibility.**
- **We encourage creativity among our students and teachers.**

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

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

Various Committees have been constituted at the college level

for the proper functioning of the institute. Among them Consultancy Cell truly shows a truly decentralized and participative management.

The Case Study ----- How the Consultancy Cell of the college was established:-

The Department of Civil Engineering mooted the idea of starting 'Consultancy Lab' in its periodic meeting in the year 2013. The proposal was discussed with the worthy Director. The departments setup a team to study its feasibility in the area and visit other consultancy labs in the state. The process took six months time to take a presentable form.

The Director and the HOD met the management with the proposal where it was discussed with the experts. Then the Director setup 'Purchase Committee' for the purchase of the machines as per policy of the management. The College Consultancy Lab came into being in the year 2014, costing Rupees 45 lakhs. Since its establishment, it has been offering consultancy services in various areas.

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

Revenue of Rs/-354200 has been generated by the Consultancy department during the last 2022-2023 year.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

College is growing in various domains:

1.Academics: Through (a) Expansion, (b) Standardization and (c) Enhancement.

2. Research: Through (a) Research, (b) Consultancy, (c) Industry Engagement and (d) Innovation and Incubation. Director

motivates the faculty for enhancement in qualification with Ph.D, to Organize International /National conferences and to publish more research papers in journals like IEEE, Springer, etc. Faculty is motivated to attend FDPs to strive for excellence in teaching & learning process. Various MoUs have been signed and planned further.

3. Faculty/ Teaching and Non-Teaching: Recruitment of more experienced staff.

4. Infrastructure: Through (a) Academic, (b) Supporting and (c) Digital Infrastructure

The labs of the Institute are equipped with latest instruments to facilitate research.

5. Student Welfare: Through skill development/ student support and extracurricularActivities.

6. Alumni: Alumni Cell; alumni participation in teaching and alumni endowment.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

1. The Khalsa College Managing Committee is the administrative head of the institution.
2. The Director has full authority related to appointments and ensuring the proper conduct of all the academic, research and extension activities.
3. There are different Committees and Cells made by the director focusing on specific tasks and roles in the College. Director has complete purchasing power and the executive leadership which is shared with the Deans, Registrar, HOD's and committees for central facilities, they have purchasing power upto Rs.10, 000/-.
4. 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

   1. Service rules and procedures as stipulated by IKG - PTU
      Jalandhar, along with the Khalsa college managing
      committee are strictly followed by the institute which is
      also written in the appointment letter of each and every
      employee of the college and are taken care of by the HODs
      and the Office Superintendent who prepare the service
      books and HODs prepare the confidential annual report.

File Description	Documents
Paste link for additional information	**Nil**
Link to Organogram of the institution webpage	https://khalsaengineering.co.in/organizational-structure/
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	**No File Uploaded**
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

The Managing committee of Khalsa College Charitable Society, Amritsar promote research and development by providing incentives.

- **The Director of the college who herself is research oriented, 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.**
- **The Management provides funding and incentives to the faculty members for participating in international/national conferences/ obtaining books/journals/research material/research projects etc.**
- **Best Researcher Award (1 Lakh)**
- **Patent Award (50 thousand)**
- **Best Teacher Award (50 thousand)**
- **Sponsored Funding Research Project (10%) by Management**
- **Share of Consultancy (40%)**
- **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	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

45

File Description	Documents
Upload any additional information	[View File](#)
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	[View File](#)

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

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

5

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	**No File Uploaded**
Upload any additional information	[View File](#)
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	[View File](#)

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

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

28

File Description	Documents
IQAC report summary	**No File Uploaded**
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	[View File](#)
Details of teachers attending professional development programmes during the year (Data Template)	[View File](#)

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

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. 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.

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	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

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(Segal Khanna Mundra Mehra &Co)appointed by Khalsa College Charitable Society, Amritsar. The balance sheets of all institutions are 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	Documents
Paste link for additional information	**Nil**
Upload any additional information	<u>View File</u>

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

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

Nil

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	[View File](#)

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

All the resources for the infrastructure augmentation and maintenance are provided by the Khalsa College Charitable 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 PTU, 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 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 for completing their education.

Amount Received

2022-23

Total

Through Consultancy Lab

354200

354200

Infrastructure used by outside

agencies

350977 350977

Ray of Hope

169590

169590

Grand Total

874767

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

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

The main aim of IQAC is to focus on overall quality of ongoing activities in the institution. IQAC aims at improving the Quality of Academics as well as quality of life.

1. Quality of Academics:

Improving the quality of Academics is the major concern of IQAC. Since each student as different caliber and different understanding level so slow and advanced learners are identified and theTeaching process is conducted as per the

learning level of the students in the semester. Students are also provided with ADD-ON/ Value added courses keeping in view the latest industry demands. The College has an excellent practice of adopting students for guiding and counseling under the virtual parenting concepts. Every teacher acts as a mother figure for students entrusted to him or her. To implement this scheme there is a coordinator who keeps and maintains the records.

2. Quality of Life:

IQAC takes the responsibility to improve the quality of life and hence focus on holistic development of students. There are various Audits viz: Water Audit, Health Audit, Campus Cleanliness Audit, Food Audit, etc through various reports submitted by the concerned committees. There are various activities/interactive sessions/ seminars/webinars related to ethical values, yoga and meditation.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	View File

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

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 maintain incrementalimprovement in their performance. Majority of the teachers use multimedia projectors/ICT tools 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. The faculty adopt latestteaching

peadogoy for the holstic development of students

Example – 2

Feedback System

1. During the academic system, Teaching Feedback is taken in every semester from students and teacher whose score is less they have to submit corrective action reports.MST results and attendance record are sent tostudents parents as per the routine pratice. Record is maintained of all students with their signature.
2. Curriculum feedback is also taken from all stake holders.
3. Remedial classes are organized and scheduled for slow runners in everysemester. The separate time table is prepared after every MST and classes are scheduled as per the time table..
4. It is ensured that every class gets at least one period in a day to visit the library for self learningandfamiliarized with the books and journals on the subjects. The college facilitates the learning online courses like MOOCs, NPTEL etc. Our college is a nodal center local chapter of NPTEL.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://khalsaengineering.co.in/wp-content/uploads/2023/12/aqar-2021-2022.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

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 year

Khalsa College of engineering and Technology leaves no stone unturned to maintain and provide an inclusive environment where male and female students, faculty members and non-teaching staff can work together in an atmosphere free of gender violence, sexual harassment, and gender discrimination providing a sense of personal security and dignity. The Institute provides CCTV surveillance throughout the campus as well as in boys' and girls' hostel for safety and security purposes. Various Committees viz: Women Cell, Anti-ragging committee Grievances Redressal Committee, are formed to keep a check on any kind of nefarious activity in the campus and to ensure the safety and security of girl students. Students can approach the committee members without any time constraint. There are different committees to check the cleanliness of the college premises including washrooms, hostels and mess along with cafeteria. There is Grievance Redressal Committee in college, which keep in touch with students to make sure that no incidence of injustice in the campus.

Separate common rooms for boys and girls, Daycare center for kids of female faculty, Medical/ Counseling room is also available for the counseling sessions of the students.

File Description	Documents
Annual gender sensitization action plan	https://khalsaengineering.co.in/wp-content/uploads/2023/12/7.1.1A-Gende-Equity.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://khalsaengineering.co.in/wp-content/uploads/2023/12/7.1.1b-Other-facilities.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	**B. Any 3 of the above**

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

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

The E-waste in the institute comprises of batteries, UPS, damaged devices like mouse, key boards, electronic instruments, computers, peripherals, wires and cables. The E-waste is re-used in case of repairable and brought to make use of them again. We try to minimize the accumulation of E-waste. Also institute has signed and E –waste MoU. 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.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	[View File](#)
Geo tagged photographs of the facilities	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	**C. Any 2 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	**A. Any 4 or All of the above**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	**A. Any 4 or all of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (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	**B. Any 3 of the above**

01-02-2024 09:17:47

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	**No File Uploaded**
Any other relevant information	View File

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 200 words).

Being a part of Khalsa College Charitable Society, our institute is committed towards the holistic and integrated development of our students and we inculcate the values of peaceful co-existence and universal brotherhood amongst our students. Students from different religious communities and states are a part of our family. It is always the prime 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 round the year to instill the various qualities of tolerance and harmony towards culture, region, language, religion and community among the students. The purpose is to make students aware about the issues related to serving the humanity.The members of the college not only help to keep college clean and green, but also offer volunteer services to organize litter-free, Eco-friendly religious processions in the city.

There are different events all-round the year to infuse amongst the students the characteristics of steadiness, contentment and gratification. Students are motivated to participate in various youth festivals and cultural festivals which instill the attribute of harmony with culture, religion and other diversities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

So as to inculcate and instill the habit of becoming a more disciplined, responsibleand sensibleand law abiding citizens of the country various activities, events and programmesviz: seminars, talks, interactive sessions are organized under taken in our institute. These events related to no plastic, clean air, literacy, language, traffic rules ,role of youth towards society and many more eventsmake help students to understand about their roles and responsibilities an individual towards their community, society and a democratic country like India.

Various days are observed like Earth Day, World Water Day to make raise the consciousness of students related to these major issues. Students are motivated to keep their environment clean and so students enthusiastically participate in cleanliness drives during processions on Gurpurabs.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://khalsaengineering.co.in/wp-content/uploads/2023/12/7.1.9_Supporting-weblink.pdf
Any other relevant information	Nil

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. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct	A. All of the above

Institution organizes professional ethics programmes for students, teachers, administrators and other staff **4. Annual awareness programmes on Code of Conduct are organized**	

File Description	Documents
Code of ethics policy document	View File
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 File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Every year our institute organizes various events to observe the national and international commemorative days and festivals. In these activities, students also take part whole heartedly, affectionately, and enthusiastically. Under the auspices of the Khalsa College Charitable Society, all staff and students of Khalsa College of Engineering and Technology take part in the annual keertandarbar, which is conducted at Gurduwara Sahib, Khalsa College, Amritsar, to commemorate the commemoration of Gurpurab of every Sikh Guru. At Khalsa College of Engineering and Technology, both faculty and students carry out keertan in accordance with the socially given obligation.

Additionally, the whole professors, staff, and students of Khalsa College of Engineering and Technology engage in an annual procession that begins at Khalsa College in Amritsar and ends at Golden Temple in Amritsar to commemorate the festival of Prakash Purab, the birthday of the first Sikh Guru, Guru Nanak DevJi. With great fervor and excitement, everyone of the instructors, staff, and students take part in this 5-kilometer march, singing hymns and performing keertan.

Additionally, a variety of occasions are observed on campuses, including Azadi Ka Amrit Mahotsav, Unity Day, Gandhi Jayanti, International Women's Day, World Water Day, Science Day, World

Health Day, and International Martyrdom Day of Shaheed Bhagat Singh: to instill patriotism, oneness and belongingness amongst students.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice I

Title: Appreciation for Academic Excellence

Objectives: To improve the academic results of the institute by providing appreciation to students and faculty for their excellence.

Context: Students of each semester/branch are given scholarships/concessions for their academic achievements. Faculty is given capital fund and Best Researcher/Teacher Award.

Practice:

Students: Concessionsgiven as per norms

Faculty:

- 10% of total amount is awarded to faculty for any state/central institution/agency grant.
- Rs.50,000/- for patent registered.
- Academic Leave/financial aid for attending the conference/FDPs/Workshops.

Evidence of Success: Academic results have improved. More students have been securing merit positions. Faculty is

engrossed in research.

Problems Encountered/Resources Required: These benefits are provided as pergoverning society rules/norms.

Best Practice II

Title: Virtual Parenting

Objectives: To form a trusted/firm bond between teacher and student.

Context: A mentor is assigned to every first year student. Teachers as virtual parents create a better environment for communication with students.

Practice: Teacher regularly monitor the overall performance of the students and provide them a good ambience where they can learn/grow/flourish. Repeated counseling sessions/meetings. Students are made to believe that they can achieve anything and a sense of confidence is inculcated in them.

Evidence of Success: Students were able to tackle problems themselves. Shy/introvert students turned confident enough to participate in various activities. academic results got improved.

Problems Encountered/Resources Required:Students from diverse backgrounds require different approaches which need lots of effort of virtual parent.

File Description	Documents
Best practices in the Institutional website	https://khalsaengineering.co.in/wp-content/uploads/2023/12/Best-Practices.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

RAY OF HOPE

Main objective is to help the needy students at the time of financial emergency and breakdowns 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.

This is a kind of charity started by the faculty of the college in 2016 after seeking the requisite permission from our governing society. A bank account in the name of "Ray of Hope" with Punjab National Bank was opened and faculty started contributing from their own sources, to the account for achieving the aims and objects of the organization. It started slowly but knowing the noble cause, the members contributed generously from their own purses and started helping with the equal generosity.

Some alumni/other donors have also started contributing volunteer donations to this charitable fund. This is in accordance with the vision and mission of the college where we believe in proving the access to education to everybody. 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.

We as a family always stand together to create the better future for our students keeping in mind our core values i.e. kindness, compassion and welfare and well-being for all.

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

7.3.2 - Plan of action for the next academic year

1. To submit AQAR for Academic Year 2022-23.

2. To apply for funding of conferences/Workshops/FDPs/Seminar to Central Funding Agencies.

3. To get more MOUs signed with prestegious Institutes and

industries for curriculum enrichment and practical exposure.

4. To apply for increase in sanctioned Intake from IKGPTU.

5. To enhance infrastructure.

6. To conduct more meditation and counselling sessions of students.

7. Focus on more industrial visits/ Workshops for hands on experience of students as per industry demand.