



YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	INDER KUMAR GUJRAL PUNJAB TECHNICAL UNIVERSITY
• Name of the Head of the institution	Prof. Dr. Susheel Kumar Mittal
• Designation	Vice-Chancellor
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	01822282500
• Mobile no	9478098001
• Registered e-mail	vc@ptu.ac.in
• Alternate e-mail address	vcoffice@ptu.ac.in
• City/Town	Kapurthala
• State/UT	Punjab
• Pin Code	144603
2.Institutional status	
• University	State
• Type of Institution	Co-education

• Location	Rural
• Name of the IQAC Co-ordinator/Director	Dr. Hitesh Sharma
• Phone no./Alternate phone no	01822282572
• Mobile	9478098060
• IQAC e-mail address	iqac@ptu.ac.in
• Alternate Email address	hitesh@ptu.ac.in
3.Website address (Web link of the AQAR (Previous Academic Year)	https://ptu.ac.in/naac/aqar-2021-22/
4.Whether Academic Calendar prepared during the year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	https://ptu.ac.in/academic-calendar-regular/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.46	2022	05/07/2022	04/07/2027

6.Date of Establishment of IQAC 13/03/2012

7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Nil	Nil	Nil	Nil	Nil

8.Whether composition of IQAC as per latest NAAC guidelines

Yes

- Upload latest notification of formation of IQAC

[View File](#)

9.No. of IQAC meetings held during the year

1

- The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of

Yes

meetings and action taken report)	
<ul style="list-style-type: none"> (Please upload, minutes of meetings and action taken report) 	View File
10. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
<ul style="list-style-type: none"> If yes, mention the amount 	
11. Significant contributions made by IQAC during the current year (maximum five bullets)	
<p>The Internal Quality Assurance Cell has taken various initiatives to be followed by respective departments of the University for improving the teaching-learning process, structures & methodologies of operations, and learning outcomes. The initiatives are as follows: The Choice Based Credit System has been inculcated in the present system following the model curriculum of AICTE for engineering courses. The university has implemented a policy of minor degrees and acquiring credits through MOOC courses.</p>	
<p>Corporate Relations & Alumni (CR&A) department has started to reach out to the corporate world to facilitate the best placements for IKGPTU students in reputed government, multinationals, NGOs and private organizations, etc.</p>	
<p>For promoting Entrepreneurship programmes and Innovation, the following activities were planned by the University i.e. TiE-IKGPTU Industry-Academia Collaboration, Short term Training Programme in collaboration with NITTTR, Chandigarh CIIIT (Center for Invention, Innovation, Incubation, and Training) a joint initiative by IKGPTU and Tata Technologies.</p>	
<p>To promote the objective of effective National e-Governance, the university has successfully implemented e-Office in its Inter and Intra-department processes. The vision of implementing e-Office is to achieve a simplified, responsive, effective, and transparent working of all Departments/Offices.</p>	
<p>The Knowledge Resource Centre has been updated with the latest technological facilities in the form of e-resources. At present, the library has access to several e-resources/ databases. The facility is being provided through in-house Library Access and simultaneously through a Remote Access facility. The following e-resources are available: Sciences Direct (Elsevier), IEEE (IEL Growth Plan), Emerald Management, Royal Society of Chemistry, Institute of Physics (IoP), Springer Taylor & Francis, DELNET, Open Athens (EBSCO), and Indiastat.</p>	

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 Start Minor Degree in the University and acquiring Credits through MOOC Courses	Implemented

13. Whether the AQAR was placed before statutory body?

Yes

- Name of the statutory body

Name	Date of meeting(s)
IQAC	22/01/2024

14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?

Yes

15. Whether institutional data submitted to AISHE

Year	Date of Submission
2021-22	14/02/2023

16. Multidisciplinary / interdisciplinary

- I.K. Gujral Punjab Technical University (IKGPTU), as per its Act, has a mandate to promote technical, applied sciences, management, and pharmaceutical education in the state at the degree level and above.
- The university offers more than 150 academic programs in 10 faculties of studies.
- The framework and structure provided by AICTE / UGC/CoA / PCI etc. for Undergraduate/Postgraduate programmes postgraduate programs have been followed, which incorporates the choices in elective courses offered to students.
- Students also have the freedom to choose open elective courses of their choice, passion and specialization in any other branch for a minor degree, along with a variety of multi-disciplinary vocational and skill-based courses

17. Academic bank of credits (ABC):

- The university has registered with the Academic Bank of Credits ABC.
- The university is in the process of shifting the student's result record from NAD to ABC.
- The process of linking the student's Adhaar card with their ABC accounts is in progress.

18.Skill development:

- In order to acquaint the students with current and emerging developments in their respective fields, the university has mandatory institutional training and industrial training followed by semester training, wherein they receive hands-on experience of skills crucial for the enhancement of their knowledge and placements.
- The university offers 60 hours of certificate courses in foreign languages (German, French, etc.).
- At present, the university offers 4-year vocational courses in its affiliated colleges as per UGC norms.
- The university has developed CIIIT in collaboration with TATA Technologies for imparting skill-based training to the students on campus.
- Skill courses as a mandatory component of FYUG courses will be offered as per NEP-2020, and the university plans to offer vocational courses with different skills and specializations to be offered in 4-year UG programs on the university campus.
- The university is in the process of starting certificate courses embedded in the new UG program, which is being planned by the university as per NEP-2020.

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

- The university has established an Indian Knowledge System (IKS) cell to promote Indian knowledge.
- Subjects related to IKS will be offered as part of the curriculum in the 4-year UG program as per NEP 2020.
- The 4-year UG program, as per NEP-2020, will be embedded with the Indian Knowledge System (IKS) component in the curriculum.
- IKS will conduct various activities, such as FDP and seminars, to create awareness among faculty and students.

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

- CBCS has been implemented at the university.
- CO/PO have been defined for all UG/PG programs
- The university will offer new courses as per NEP 2020 within

the National Credit Framework (NCrF).

- The higher education in the university shall be made holistic by integrating vocational education and training on all dimensions, i.e., academics, vocational skills, and experiential learning, including relevant experience and proficiency/professional levels acquired.

21.Distance education/online education:

- The university did not offer distance education programs from 2021-22 due to a B grade in the NAAC assessment in the first cycle.
- The university will start distance education after fulfilling the eligibility criteria for NAAC accreditation in the second cycle.
- The university encourages its faculty to develop and use online educational content to improve the quality of teaching.
- The University encourages its students to enroll in courses available at different online portals like NPTEL, Swayam, etc

Extended Profile	
1.Programme	
1.1 Number of programmes offered during the year:	47
File Description	Documents
Data Template	View File
1.2 Number of departments offering academic programmes	13
2.Student	
2.1 Number of students during the year	2442
File Description	Documents
Data Template	View File
2.2 Number of outgoing / final year students during the year:	416
File Description	Documents

Data Template	View File
2.3	
Number of students appeared in the University examination during the year	418
File Description	Documents
Data Template	View File
2.4	
Number of revaluation applications during the year	0
3.Academic	
3.1	
Number of courses in all Programmes during the year	1385
File Description	Documents
Data Template	View File
3.2	
Number of full time teachers during the year	79
File Description	Documents
Data Template	View File
3.3	
Number of sanctioned posts during the year	218
File Description	Documents
Data Template	View File
4.Institution	
4.1	
Number of eligible applications received for admissions to all the Programmes during the year	946
File Description	Documents
Data Template	View File
4.2	
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	958

File Description	Documents
Data Template	View File
4.3 Total number of classrooms and seminar halls	109
4.4 Total number of computers in the campus for academic purpose	931
4.5 Total expenditure excluding salary during the year (INR in lakhs)	8718.34

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

The curricula at IKGPTU are consciously designed to cater to the local, regional, national, and global development needs to inculcate deep knowledge about academic disciplines and applied functional areas in the students, which is desired by the industry these days. The learning objectives of every programme are well integrated and comprehensively reflected in programme outcomes. In addition to this, specific outcomes for each program have been formulated to ensure the attainment of domain-specific knowledge and skills about course outcomes.

IKGPTU has a vision to transform its status into a world-class teaching and research campus with the view of adopting best global practices and encouraging academic and research collaboration with prestigious national and international institutions. The curricula include courses with a sharp emphasis on the ability enhancement of students, knowledge about national and international business practices, as well as developing entrepreneurial skills. To provide better industrial and research exposure to the students and faculty, the teaching departments of the university conduct workshops and seminars on recent developments in their domains. To stay abreast internationally, the curriculum is continuously reviewed and upgraded to meet the requirements of regulatory bodies like AICTE / UGC and the demands of industry.

File Description	Documents
Upload relevant supporting document	View File

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

5

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

1176

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

117

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

46

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	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

IKGPTU understands the importance of providing holistic education and has integrated courses on moral values, human values, professional ethics, ethical values, gender equality, environmental awareness, etc. into the curriculum. Mandatory courses like 'Mentoring & Professional Development', 'Human Values, De-addiction, and Traffic Rules', 'Environmental

Sciences', etc. have been designed and incorporated into the curriculum of all programmes run by the university. All these subjects ensure the holistic development of the students so that they can have a positive perception of life, career, and society. Under the EVS course, the students are acquainted with the concepts of sustainability, the growing need to conserve natural resources, and preventing environmental degradation.

IKGPTU creates a healthy ambience for the all-round growth and development of the students as responsible citizens of society. The university celebrates days of national and international importance, such as Women's Day, World Wetlands Day, International Yoga Day, etc., to nurture moral, ethical, and social values in the students. Students are also encouraged to participate in social activities like plantation drives, blood donation camps, and education awareness camps in nearby villages to promote national integrity, human values, and communal harmony. These programmes ensure that students, being the future drivers of this society, live their lives happily and make a positive contribution to society.

File Description	Documents
Upload relevant supporting document	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

0

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

0

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

440

File Description	Documents
Upload the data template	View File

Upload relevant supporting document	View File
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1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus - semester wise / is received from Students Teachers Employers Alumni

- All 4 of the above

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution may be classified as follows

- Feedback collected, analysed and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

2080

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

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

409

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.2 - Catering to Student Diversity

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

IKGPTU organises special programmes to assess the learning levels of the students before the commencement of formal classes, an induction Programme is organized for all students of

the university, wherein an introduction to university life, from academics to social activities, is given. The university continuously organizes industrial visits by its students to enhance learning experiences through interaction with experts.

Faculty makes endeavours to identify slow and advanced learners amongst the students through question-and-answer sessions and classroom discussions. Extra classes are held in a routine manner by the teachers for slow learners. Academic and career counselling is provided to each student by the concerned subject teacher to identify and nurture their skills. The university library is available for all students throughout the week to provide a conducive environment for learning. Students are encouraged to participate actively in curricular and extracurricular activities by all academic departments of the university to hone their professional skills. Students are also encouraged to undertake research projects. During the sessions on mentoring and professional development, soft skills are imparted to them, and students are encouraged to prepare for and appear in various competitive exams.

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	https://ptu.ac.in/naac-data/aqar-2021-2022/Criterion-2/2.2.1/Expert-Lectures-for-Students-Faculty.pdf

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
2442	79

File Description	Documents
Upload relevant supporting document	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 university has a mandate to offer higher education, mainly in professional courses. The course scheme of these courses has mandatory components to impart experiential and participatory learning experiences. The experiential learning has helped students transform from being relegated to the role of passive recipients to active learners. The curriculum of all courses has tutorial and practical components to help students with their problems and enhance their problem-solving capacities. The summer internship and research projects and dissertations are also included in the curriculum to help them attain hands-on

experience and learn the skills of technical writing and presentation.

The student is involved in various teamwork activities for organizing various student events and competitions at the university to learn efficient team-oriented tasks and leadership skills. University faculty made use of various online teaching tools by using online platforms viz; Zoom, Google Classroom, G-Suite, Google Duo, Microsoft Teams, and Cisco WebEx in addition to classroom teaching. The university library provides access to print and e-library resources for enhancing learning experiences. University students are encouraged to earn credits from various MOOC courses. Expert talks by eminent personalities from industry and academia are a regular feature at the university.

File Description	Documents
Upload relevant supporting document	View File

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

The teaching-learning process at IKGPTU has been realigned with the active usage of ICT-enabled tools. University faculty are encouraged to adopt a broad range of educational technology and delivery approaches that support and promote innovative teaching and learning. University faculty are trained to upgrade their ICT skills required to teach effectively, develop e-content, and ensure its effective dissemination to students. The LCD projectors have been installed in all classrooms.

The university has provided individual laptops to every teacher to ensure continuous access to ICT-enabled services and familiarization with using platforms viz; Zoom, Google Classroom, G-Suite, Google Duo, Microsoft Teams, and Cisco WebEx. Students are encouraged to prepare their presentations, assignments, projects, and field reports using MS Word, MS PowerPoint, MS Excel, and other ICT tools. Online modes like email and Google Class Room are also used to collect assignments, conduct tests and practical examinations, and share notes, practice questions, and other e-resources. Students and faculty members are encouraged to utilize the online courses of MOOCs, NPTEL, etc., and e-reference books and e-journals available in the Knowledge Resource Center of the University for the preparation of assignments and the conduct of research.

File Description	Documents
Upload relevant supporting document	View File

2.3.3 - Ratio of students to mentor for academic and other related issues during the year

2.3.3.1 - Number of mentors

74

File Description	Documents
Upload relevant supporting document	View File

2.4 - Teacher Profile and Quality

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

79

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

74

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

602 Years and 5 Months

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

07

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5 - Evaluation Process and Reforms

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

40

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year

40

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

0

File Description	Documents
Upload relevant supporting document	View File

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

IT integration and reforms in examination procedures and processes include the following work:

1. Creating of logins of new students and continuation of old logins.
2. Online submission of Examination Forms of Regular and reappearing students
3. Issuing of online Admit Card as per University format
4. Creation of examination Centres.
5. Creation of Logins for Superintendent, Observers, and Flying Squad
6. Online submission of Daily Report by superintendents, observers, and flying squads.
7. Online submission of Absentee, Detained students, damage/missing answer books, etc.
8. Online submission of UMC (unfair means cases) of students.
9. Online Secrecy Memo for dispatch of Answer Books
10. Online Cut-list for Examination Centres.
11. Online filling of Internal Awards of Regular & Reappear students and Printing Reports as per University Format.
12. Online filling of external practical awards of Performa and Printing Reports as per University Format.
13. Online Re-evaluation Forms.
14. Assignments /work related to the above job as per the requirements of Examination branch should be done.
15. Delivery of letters, results, and other documents to students, faculty members, and institutes through their logins.
16. Master of Branch, Semester, and Subjects.
17. Creation of schemes as per board/university norms.

File Description	Documents
Upload relevant supporting document	View File

2.5.4 - Status of automation of Examination division along with approved Examination Manual

A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

The university's educational programmes have been designed to integrate graduate and postgraduate level traits, ensuring that students graduate with the core knowledge of discipline, critical thinking, problem-solving abilities, communication skills, and digital capacity. The Programme Outcomes (POs), Programme outcomes (PSOs), and course outcomes (COs) of all the courses have been prepared as per the principle of outcome-based education (OBE).

The course scheme, syllabus, and minutes of meetings of various academic bodies are made available on the university website after approval from the Academic Council and BOG for wider dissemination and publicity. The feedback on the various aspects of the curriculum is collected from all stakeholders, i.e., students, alumni, faculty members, and employers, in each semester. The program / course curriculum are updated, taking into account feedback from all stakeholders, including students, research scholars, faculty, and alumni.

File Description	Documents
Upload relevant supporting document	View File

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

For the attainment of Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs), the teaching departments of the university take the following steps :

1. Student assignments in each course are planned in such a way to cover all POs and COs
2. Question papers in the Mid-semester examination are aligned with all topics of each CO of course

At present, the evaluation of the attainment of POs, COs, and PSOs is not monitored in a structured manner and is evaluated indirectly through student feedback and feedback from other stakeholders. The regular feedback of students, alumni, industry experts, and other stakeholders provides information pertaining to the relevance of the course, the availability of the course material, and the significance of the course in terms of skill enhancement and employability.

The university monitors the attainment of course outcomes using indirect methods such as student performance in internal assessment, end-semester examinations, assignments, seminars, workshops, laboratory assignments / practical, projects, role plays, management games, case discussion, class participation, viva-voce, attendance, etc. to evaluate students' knowledge and abilities.

File Description	Documents
Upload relevant supporting document	View File

2.6.3 - Number of students passed during the year

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

372

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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 web link)

<https://ptu.ac.in/naac-data/aqar-2021-2022/Criterion-2/2.7.1/Student-Satisfaction-Survey-2021-22.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

To foster an ecosystem of innovative research within the faculty and scholars, the university has framed a research policy. The purpose of the research policy is to develop a research culture among faculty and scholars for the advancement of their knowledge. The university has a dedicated research and development cell, which, under the leadership of Dean R&D,

manages all the research activities of the university. The university has well-equipped research laboratories in various departments for interdisciplinary and multidisciplinary research. The research work undertaken by the scholars is presented before the Research Advisory Committee (RAC) from time to time for approval and continuous monitoring of the research work. The university encourages researchers to comply with research ethics, and the university has a well-defined safety protocol for the use of chemicals. Research work involving human subjects is carried out after the due approval of the ethics committee. All the research outcomes, like project reports, dissertations, publications, etc., are subjected to a plagiarism check. The rubric of postgraduate dissertation evaluation includes a plagiarism check and the publication and presentation of research work at conferences. The research activities at IKGPTU include research work of direct relevance to IKGPTU and society.

File Description	Documents
Upload relevant supporting document	View File

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

0

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

7

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

15

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research Central Instrumentation Centre Animal

A. Any 4 or more of the above

House/Green House Museum Media
laboratory/Studios Business Lab
Research/Statistical Databases Moot
court Theatre Art Gallery

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

0

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

0

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

143.2

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

7

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

IKG-PTU has an incubation centre to provide a comprehensive and integrated range of support to students. IKG-PTU has established the Incubation and Innovation Centre to enable a start-up ecosystem in the IT sector. IKG-PTU has created an ecosystem for innovation through the following programs and activities:

- **Establishment of the IED cell:** The cell organizes periodic workshops, seminars, and interactions with entrepreneurs, investors, and professionals and creates a mentor pool for student innovators. The cell also organizes hackathons, idea competitions, mini-challenges, etc. with the involvement of industries.
- **TiE-IKGPTU Industry Academia Collaboration:** The university organizes a business plan competition annually, in which winners are given prizes up to 1 lakh, 50 thousand. Also, innovation and entrepreneurship development sessions are organised.
- The university has established MHRD's Institutional Innovation Cell (IIC) at its campus.
- Online "E-week" was organized at the university campus. During this week, two competitions, "Business Plan Competition" and "Rs200 Venture," were organized.
- **Intellectual Property Rights (IPR):** The university, in collaboration with the Punjab State Council for Science and Technology, organized workshops to make the faculty and students aware of the IPR.
- University organized NAVONMESH 2.0 wherein students participated in 18 events (Technical & Non-Technical) during these two days events.

File Description	Documents
Upload relevant supporting document	View File

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

6

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year

6

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

12

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following

1. Inclusion of research ethics in the research methodology course work
2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)
3. Plagiarism check
4. Research Advisory Committee

A. All of the above

File Description	Documents
Upload relevant supporting document	View File

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter / website

E. None of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

7

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

19

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year

160

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.6 - Number of books and chapters in edited volumes published per teacher during the year

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

55

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

D. Any 2 of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

Scopus	Web of Science
747	745

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science - h-Index of the University

Scopus	Web of Science
32	32

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

IKGPTU has framed a Research and Industrial Consultancy Policy, which is part of its regulations. The scope of the policy includes research projects, consultancy projects, and the sharing of income and utilization of DDF. The Research and Industrial Consultancy Policy has been framed with the objective of encouraging its scholars, academicians, and faculty to undertake sponsored research projects to extend the benefits of their research towards institutional growth to the corporations, institutions, and agencies working in their domain of specialization towards the economic growth of the state as well as the country. The policy clearly defines the revenue sharing between the university and individuals undertaking consultancy.

File Description	Documents
Upload relevant supporting document	View File

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

0.345

File Description	Documents
Upload the data template	View File

Upload relevant supporting document	View File
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3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

The vision of the university is to bring techno-economic, social, cultural, and environmental prosperity to society. To achieve this goal, sensitization of students, faculty, and the neighboring community on social issues is made a priority. The University Department of the International Resource Centre for Universal Human Values and Ethics conducts regular workshops and seminars on universal human values. The university has established an herbal garden with several traditional Indian medicinal plants. These medicinal plants are provided to the surrounding rural area so that people can also take advantage of their health benefits. Regular tree plantation drives are undertaken, wherein free seeds are distributed. The university has established a Business Incubation Center to promote startups among students and alumni. IKGPTU, the Punjab Skill Development Mission, and the ICICI Foundation for Inclusive Growth signed a MoU to train the youth of Punjab to become skilled manpower for the industry and their ventures. IKGPTU organized several faculty training programs for the faculty of educational institutes and organized a conference (CNRE-2022) to sensitize students towards research. The university's CIIIT centre imparts industrial training to ITI students. The university has established the Nirog Yuva Yog Center and organized multi-state cultural events. The university implements government programmes like Swachh Bharat Abhiyan.

File Description	Documents
Upload relevant supporting document	View File

3.6.2 - Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

5

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

10

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

2626

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

6

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year

39

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

The University is successfully performing its role in enhancing the technical, managerial, and pharmaceutical education in the field of academics. The University has set up centers of excellence in emerging technologies and for promoting training,

research, and development in these areas. All the teaching departments have well-equipped laboratories and classrooms and are supported by the central library of the University with many books and journals.

Broadly, the teaching- learning resources of the university include the Knowledge Resource Centre, computer & research labs, well-equipped air conditioned classrooms, with sufficient seating capacity, LCD projectors, seminar halls, board/meeting rooms etc. Fire extinguishers have been installed on all the floors of campus buildings.

To promote cutting-edge research in challenging emerging research areas, IKGPTU has established a Research Centre with state-of-the-art computing and research facilities established for various Departments. Centre for Invention, Innovation, Incubation, and Training (CIIIT), a joint initiative by IKGPTU and Tata Technologies, has also been established to strengthen industry-academia partnerships and train students with industrial experiential learning. University's mission prioritizes the holistic development of students. The curriculum is designed with student centric approach by emphasizing integrative and experiential learning and commitment to high standards of teaching performance.

File Description	Documents
Upload relevant supporting document	View File

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

IK Gujral Punjab Technical University has state-of-the-art infrastructure for the successful conduct of activities like

1. Sri Guru Nanak Dev Ji Auditorium
2. Seminar Halls for Academic and Cultural activities
3. Open-air Stages/Theatre

1. Sri Guru Nanak Dev Ji Auditorium

The auditorium, namely Sri Guru Nanak Dev Ji, is the center of attraction for visitors. This auditorium has a capacity of 800 seats.

Seminar Halls for Academic and Cultural activities

The university also has two seminar halls for effective organization of academic and cultural activities

1. Open-air Stages/Theatre

The university also has the facility of two open-air theaters and stages for cultural and other student-related activities.

Outdoor Sports Facilities are available on the main campus of IKGPTU

- Basketball Ground
- Badminton Court
- Volleyball court, etc.

Indoor Sports Facilities like Table-Tennis Hall are available

Sports infrastructure that is available:

- Latest equipment in Gym
- IAAF Certified 90 Adjustable Hurdle (Nelco)
- IAAF-certified athletic sports equipment (Javelin, Hammer Throw, Discus Throw, Shot Put, Starting Block, Cross Bar for High Jump, Shotput Circle, Stop Board, Relay etc.).
- Latest sports equipment of Cricket, Basketball, Volleyball, Football, Lawn Tennis, Table Tennis, Badminton, Carrom Board, Chess etc.

File Description	Documents
Upload relevant supporting document	View File

4.1.3 - Availability of general campus facilities and overall ambience

IK Gujral Punjab Technical University's (IKGPTU) main campus is at Jalandhar-Kapurthala Road. The campus has been developed as a green campus, and a large number of trees have been planted all around the campus. The campus has the following infrastructure facilities:

Administrative Block

The main administrative block of the University is having G+7 floors having covered area of about 2.60 lacs Sq. ft.

Academic Area

The campus is having three academic blocks which are air-conditioned with covered area of 3.54 lacs Sq. ft.

Knowledge Resource Centre

The campus has a state-of-the-art Knowledge Resource Centre (Library), centrally air-conditioned with covered area of about 0.64 lacs Sq. ft.

Auditorium/Seminar Hall

The campus is also having one auditorium with state of art infrastructure and a seating capacity of 800 seats.

Hostels

For residence of the students, three Boys' hostel with 400 rooms and two Girls' hostels with 146 rooms are available at the campus.

Sports Facilities

The campus has following sports facilities:

- Playing Fields with 400 m track
- Basketball, Tennis & volleyball courts
- Indoor and Outdoor Gymnasiums

Future Development

Construction of Central Workshop, Guest House and Residences for Vice-Chancellor & Registrar, Indoor Stadium and Outdoor Stadium etc. are in progress at the campus.

File Description	Documents
Upload relevant supporting document	View File

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

5081.01

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

The Knowledge Resource Centre has purchased LIBSYS software for library automation with server and 21 workstations in 2012. The latest version of the most advanced software (Web Centric Software LSEase EJB version) is being used. All the books are assigned a number as per the library coding system and stored in the database. Students and staff can independently access the books and required information very easily.

- Name of the ILMS software: LIBSYS (Web Centric LSEase EJB Software)
- Nature of automation (fully or partially): Fully
- Windows
- Year of Automation: 2012
- The bibliographic information about the collection is made available through library OPAC/ WEB OPAC system to the

user's community.

- OPAC/ Web OPAC offers variety of search facility to the user's to know about library collection and its availability.
- The Knowledge Resource Centre has enhanced the security features and is using the Radio-Frequency Identification System LSMART (RFID).
- Knowledge Resource Centre uses fully automated biometric issue/ return system. This also provides sms/ email alert facility on each issue/ return of books.
- Knowledge Resource Centre also has the CCTV surveillance mechanisms.
- Knowledge Resource Centre also has Kindle devices for eBooks reading.

File Description	Documents
Upload relevant supporting document	View File

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e - journals e-books e-ShodhSindhu Shodhganga Databases

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	View File

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

115.4435

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

111

File Description	Documents
Upload relevant supporting document	View File

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

93

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

The IT policy include the following aspects:

- Services to be provided by the Computer Centre
- Procurement of IT Infrastructure
- Maintenance of IT Infrastructure
- Networking facilities
- Development, maintenance, and upgradation of the software.
- Green Computing Practices

Note: The copy of draft IT policy is enclosed herewith at Annexure "A".

Budgetary Provision:

University has made budget provision for the networking, internet, and Wi-Fi facility of Rs. 6.40 Cr. for the University and its constituent campuses. Copy of approved budget for financial year 2021-22 is attached herewith at Annexure "B" for reference please.

IT facilities including Wi-Fi facility:

Every user of the university has been provided the following facilities:

- Every user has provided desktop, Printer, Scanner, Laptop (as requires)
- All administrative works are carried out
- User has provided LAN connection also provided WI-FI facilities to all Academics as well as Administration building.
- All teaching departments have well established Computer Labs with all required software's as per their syllabus requirements.
- There are total number of 700 (appx.) computers are available in computer labs in various departments.

University is also well-equipped Computer Centre 130 computers (being expanded up to 300 computers) and Internet facilities.

File Description	Documents
Upload relevant supporting document	View File

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
2442	931

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

- 1 GBPS

File Description	Documents
Upload relevant supporting document	View File

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

C. Any 2 of the above

File Description	Documents
Upload relevant supporting document	View File
Upload the data template	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

1381.83

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	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 campus of the University has an excellent academic environment with buildings constructed with construction technologies which are energy efficient, water conserving and sustainable.

The Department of Planning and External Program is functioning to manage the International and Outreach and other collaborative programs.

Knowledge Resource Centre

The procurement of all learning resources, which are conducive to academics and research is coordinated by Knowledge Resource Centre.

Laboratory & Computer Centre

Each laboratory has one teacher as lab in charge, a lab Assistant, and an attendant. The lab in charge is responsible to maintain and upgrade the laboratory with necessary equipment from time to time to cope with changes in the syllabus.

Maintenance of laboratories

The calibration, repairing and maintenance of all sophisticated lab equipment are done by the technicians of related owner enterprises.

Sports

The Sports wing of IKGPTU looks after the sports facilities and the allied activities.

Classrooms and Conference Halls

The stock registers are maintained for all the items (consumable or non-consumable) purchased by staff. Stock verification and inspection is done at the end of each financial year.

The maintenance department works under the guidance of Executive Engineer (Xen). It maintains the physical infrastructure of the University.

File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

571

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

91

File Description	Documents
Upload the data template	View File

Upload relevant supporting document	View File
5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology	A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation 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	• All of the above
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File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

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

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

6

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

54

File Description	Documents
Upload the data template	View File

Upload relevant supporting document	View File
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5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

21

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3 - Student Participation and Activities

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

0

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

The students at IKGPTU campuses participate actively in different decision-making and academic and administrative committees. This helps them have a better academic environment. Students' opinions and suggestions are given due impetus in taking quality measures at both the level of the university and departments. IKGPTU makes consistent efforts for the holistic growth of students. Students are represented in the following university and department-level committees:

Internal Quality Assurance Cell (IQAC): Students are nominated or participate in the decisions regarding the quality initiatives of the institute. They actively participate in developing and maintaining a congenial environment so that there are no incidents of ragging at the campuses or hostels.

Anti-Sexual Harassment Committee: This committee actively participates in providing a congenial environment so that there are no instances of harassment against any gender.

The National Cadet Corps (NCC): It encourages and aims for the development of leadership, character, comradeship, a spirit of sportsmanship, and the ideal of service among the youth.

National Service Scheme (NSS): Efforts are made to promote students' participation in NSS activities, including conducting blood donation camps, rural health and sanitation, education awareness campaigns, and environmental awareness camps in nearby

areas.

File Description	Documents
Upload relevant supporting document	View File

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

6

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional)contributes significantly to the development of the institution through financial and other support services during the year

IKGPTU has been serving as a gateway for developing our state and nation into an innovative society by producing world-class technocrats, as it has been doing for the last 25 years. We at IKG PTU believe that alumni are the brand ambassadors of the university. The present position that IKG PTU enjoys is a replication of our alumni's success. The university has always believed in all-time sustainable bonds, and our alumni are still a significant component of what we are today. At present, our alumni community is more than one lakh in number.

Today, our alumni have transcended all geographies, and we are present across the globe. Our alumni are working in MNCs like Tata Consultancy Services (TCS), Wipro Technologies, IBM India Pvt. Ltd., Pentair, Infosys, Accenture, Jaro Education, Decathlon Sports Pvt. Ltd., HCL Technologies, etc.

To develop a strong alumni network at the university, the Corporate Relations and Alumni Cell organized an online alumni meet and alumni talk during the COVID pandemic. Supporting documents are also attached.

File Description	Documents
Upload relevant supporting document	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload relevant supporting document	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

VisionTo be an institution of excellence in the domain of higher technical education that serves as the fountain head for nurturing the future leaders of technology and techno-innovation responsible for the techno-economic, social, cultural and environmental prosperity of the people of the State of Punjab, the Nation and the World.

MissionTo provide seamless education through the pioneering use of technology, in partnership with industry and society with a view to promote research, discovery and entrepreneurship and to prepare its students to be responsible citizens of the world and the leaders of technology and techno-innovation of the 21st Century by developing in them the desirable knowledge, skill and attitudes base for the world of work and by instilling in them a culture for seamless in all facets of life.

IKGPTU provides technical education programs in the fields of engineering and technology, science, management, humanities, pharmacy, social science, and architecture through its affiliated institutes, 04 constitute campuses, and 13 teaching departments and one centre of excellence at main campus. University manages the teaching and professional courses in more than 200 affiliated campuses. Center for Invention, Innovation, Incubation & Training and International Resource Center for Universal Human Values are also operational.

File Description	Documents
Upload relevant supporting document	View File

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

The university performs its functions through various authorities formed in accordance with University Act, such as

1. Board of Governors (BOG)
2. Academic Council
3. Faculty
4. Board of Studies (BOS)
5. Finance Committee
6. College Development Council (CDC)
7. IQAC
8. Human Resource committee (HRC)
9. Building works committee
10. Cultural Executive committee (CEC)
11. Sports Executive Committee
12. Student Council

All authorities / bodies mentioned above are constituted in accordance with their approved structure and have both internal

/ external members to help the university take various academic and administrative decisions.

As per the University Act, the Board of Governors (BOG) is the highest authority within the institution and has the responsibility to make decisions about both academic and administrative matters. The Academic Council is responsible for establishing the Board of Studies, academic regulations, new course introductions, and assessment criteria.

The university's financial matters and employee's related issues are handled by the Finance and HR committees. The university's IQAC unit strives to ensure that quality standards are included in university operations.

File Description	Documents
Upload relevant supporting document	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

The university is taking various steps in the development of academia, infrastructure, and human resources to upgrade itself from an affiliated university to a teaching-cum-affiliating university. The duly approved strategic plan for its establishment as a teaching-cum-affiliating university is being followed. In order to start offering a range of undergraduate and graduate programs on campus, the university has made significant infrastructure upgrades to increase built-in spaces for faculty offices and classrooms. Modern laboratories and smart lecture halls were built. Highly qualified faculty with PhD qualifications were recruited to impart quality education and perform research in various disciplines.

The curriculum of all UG/PG courses is being continuously updated as per framework provided by AICTE/UGC. Choice Based Credit System has been inculcated in the present system following the model curriculum of AICTE for engineering courses. Provision has also been made for students to get an undergraduate degree with Honours or additional Minor in engineering by completing an additional 20 credits. The university has framed the policy of minor degrees and MOOCs accordingly. The provision is also provided to the students to opt through MOOCs in different branches.

File Description	Documents
Upload relevant supporting document	View File

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.

The University is governed by institutional authorities established in accordance with the University Act, UGC regulations, and BOG guidelines. For effective and efficient operation, the institutional development plan, rules and regulations, and procedure have been developed.

An efficient organizational structure is created by the several governing bodies to oversee and enhance university operations. The following are the governing bodies and the areas in which they operate:

Board of Governors

1. Strategic plan for academic strengthening
2. Recruitment norms for teaching staff
3. Recruitment norms for technical staff
4. Promotion norms for teaching staff

Academic Council

1. Course regulations
2. Affiliation norms
3. Migration rules
4. Continuation of affiliation
5. Ph.D. regulations

Board of Studies

1. Scheme and syllabus of all courses under jurisdiction

Human Resource

1. Teaching and non-teaching staff promotion policies

Finance committee

1. Purchase rules
2. SOP
3. Library book purchase SOP

All policy documents are displayed on the University website and links are as below:

- Link of the organogram of university: <https://ptu.ac.in/naac-data/aqar-2021-2022/Criterion-6/6.2.2/Organisational-Structure.pdf>
- Finance committee: <https://ptu.ac.in/wp-content/uploads/2021/10/Constitution-of-Finance-Committee-IKGPTU-10-10-2018.pdf>
- Academic Council: <https://ptu.ac.in/wp-content/uploads/2021/10/Notification-Composition-of-Academic-Council-IKGPTU-REG-N-3715-dt.-10-10-2018.pdf>
- Board of Studies: <https://ptu.ac.in/wp-content/uploads/2021/10/2021-2023-132-138-Notification-regarding-Board-of->

Studies-for-the-period-of-2021-2023.pdf

- BOG: <https://ptu.ac.in/wp-content/uploads/2021/10/Notification-of-7th-Board-of-Governors-by-DTE-Punjab.pdf>
- High power Resource committee: <https://ptu.ac.in/wp-content/uploads/2021/10/High-Power-Resource-Committee-office-order.pdf>
- Internal Resource Committee: <https://ptu.ac.in/wp-content/uploads/2021/10/Internal-Human-Resource-Committee.pdf>
- Administrative Setup and Procedures: <https://ptu.ac.in/naac-data/aqar-2021-2022/Criterion-6/6.2.2/Administrative-Setup-and-Procedures.pdf>

File Description	Documents
Upload relevant supporting document	View File

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation

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

A. All of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

The university has the policy to promote its employees (teaching and non-teaching) as per the promotional criteria approved by the Board of Governors of IKG PTU from time to time. The university also undertakes various welfare measures for teaching and non-teaching staff. All the employees are to fill up their Annual Performance Appraisal Report (APAR) online mode at iHRMS Punjab Portal. The university ensures that the teaching and non-teaching staff get the best of the working environment on campus. All officers and faculty of the university have been provided with laptop, internet, and phone facilities to enhance work efficiency.

The university follows UGC norms notified from time to time for recruitment and promotions of faculty. The university provides re-imbursment of medical bills for its employees and their dependents as per the policy of the government of Punjab. The university provides a conveyance allowance of Rs. 1000 per month

to specially abled employees of the university. The university has adopted a policy of appointment on compassionate grounds as per the government of Punjab. The university provides the payment of ex-gratia grants as per Punjab government rules. The university extends the facility of interest-free loans up to Rs. 50,000 to its Group IV employees for the marriage of their daughters.

File Description	Documents
Upload relevant supporting document	View File

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

20

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

5

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.4 - Total 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)

42

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The university has a well-defined and planned mechanism for mobilization and utilization of funds and resources for the development of academic programs and infrastructure. The university has laid down rules and procedures for the mobilization and utilization of resources.

The main internal resources generated are academic receipts such as student fees, college affiliation fees, admission processing fees, application and inspection fees, tuition fees, and examination-related fees. Various project grants are received from government agencies through faculty and research scholars. To enhance fund generation, the university promotes research and consultancy activities by involving the faculty at various levels.

For optimal utilization of the funds, a Finance Committee is constituted to monitor various recurring and non-recurring expenses through the budget. A budget is prepared every year, taking into consideration both recurring and non-recurring expenditures. Accordingly, all the university departments are allotted budgets as per their requirements for each financial year. The budget is approved by the Finance Committee and subsequently by BOG. Finance and Accounts Department to monitor and manage the financial budget of the university.

File Description	Documents
Upload relevant supporting document	View File

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

0

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

0

File Description	Documents
Upload the data template	No File Uploaded
Upload relevant supporting document	No File Uploaded

6.4.4 - Institution conducts internal and external financial audits regularly

The conduct of financial audits (internal and external) is a regular feature of the university's administrative work. It has had a full-time Finance and Accounts Department since its inception to ensure the maintenance of annual accounts and audits. The university accounts are audited regularly by both inside and statutory auditors. The qualified internal auditors are appointed with a dedicated team of the university's

officials to carry out a thorough scrutiny of all transactions and related vouchers for each financial year. The statutory audit is conducted through the CAG-empowered Chartered Accountants duly appointed by the BOG of the university.

The work of the Internal Audit of the university is entrusted to the internal auditor of the university, and all vouchers are audited on a quarterly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers of receipts and payments.

The accounts of the university are statutory audited annually, as per university rule, by a chartered accountant duly appointed by BOG. The auditor ensures that all payments made are duly authorized. Any queries in the process of auditing are addressed with immediate effect, along with the supporting documents. The audited statement is duly signed by the competent authority and chartered accountant.

File Description	Documents
Upload relevant supporting document	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 by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

The Internal Quality Assurance Cell has taken various initiatives to be followed by respective departments of the university for improving the teaching-learning process, structures and methodologies of operations, and learning outcomes. The initiatives are as follows:

- Corporate Relations & Alumni (CR&A) department has started working to reach out to the corporate world to facilitate the best placements for IKGPTU students in reputed government, multinationals, NGOs, private organizations, etc.
- To promote the objective of effective national e-governance, the university has successfully implemented e-Office in its inter- and intra-departmental processes. The vision of implementing e-Office is to achieve simplified, responsive, effective, and transparent working for all departments and offices.
- Regular updates to the syllabus in all UG and PG courses.
- Improve the transparency in the work of all teaching and non-teaching departments.
- Enhance e-governance in the working of the university.
- Improvement in academic initiatives as per UGC / AICTE norms.

File Description	Documents
Upload relevant supporting document	View File

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. Any 5 or all of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting documnt	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

The university successfully implemented the initiatives suggested by IQAC for the enhancement of quality in academics and administration. Some of the improvements are listed:

- The university elevated itself to a teaching-affiliating university by uplifting its infrastructure for academic activities and by recruiting qualified faculty.
- The Board of Studies meetings were scheduled regularly for the continuous refinement of the curriculum. The curriculum has been continuously updated. Choice Based Credit System has been inculcated.
- To help the economically weaker section, the student welfare department has been assigned the work of looking after Post-Matric Scholarship schemes.
- For promotion of academic programmes (undergraduate and postgraduate), the university has opted for different modes of advertisement and publicity.
- A query system is built into the login of students, and a call center in the examination department to resolve grievances is working successfully.
- The university has signed different MOUs for the promotion of student internships, placements, start-ups, and pre-placement preparation.
- The university has signed different MOUs with various International / National Organisations / Institutes for

joint student/faculty exchange programmes, and joint research programmes.

- The scholarship scheme for international students coming from SAARC countries has been notified by the University
- Faculty members have been promoted to next scale Under CAS of UGC.

File Description	Documents
Upload relevant supporting document	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

IKGPTU has a strong ethical work culture and equal opportunities are provided to all individuals irrespective of gender, race, color, language, religion, etc. The curriculum of all programmes lays impetus on concerns related to the promotion of gender equity. The courses on gender equity, culture, religion, technology, human values, and professional ethics are being taught to the students.

IKGPTU focuses on the core values of gender equality and women's empowerment to uplift the social, economic, and educational status of women.

The university has developed a Women Grievances Cell for female staff, employees, and students Some of the specific measures initiated by the institution to encourage female students to participate in all academic, co-curricular, and extra-curricular activities are:

- Adequate and safe hostel space for female students.
- Special security and transportation during the night hours for female students to engage in various activities like studying in the library, attending group activities, and extracurricular and co-curricular activities.
- There is a common room for female students in all academic blocks.
- A daycare center to cater to the needs of young kids of faculty and staff members.
- The entire campus is covered with CCTV cameras to provide a sense of security to inhabitants, particularly women.

File Description	Documents
Upload relevant supporting document	View File

Annual gender sensitization action plan(s)	https://ptu.ac.in/naac-data/aqar-2021-2022/Criterion-7/7.1.1/17.Gender-Sensitisation.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	https://ptu.ac.in/naac-data/aqar-2021-2022/Criterion-7/7.1.1/2.Common-room-Main-Campus.pdf

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

A. Any 4 or All of the above

File Description	Documents
Upload relevant supporting document	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

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

Solid Waste Management

The university has provided dust bins to collect solid waste materials across the campus. For the disposal of waste food products, dead plants, and dry leaves, a decomposition machine with a capacity of 500 kg per day has been installed on campus.

Liquid Waste Management

To ensure effective and efficient liquid waste management, IKGPTU has installed three Sewage Treatment Plants (STPs). Out of the three STPs, two are of 30 KLD capacity and one is of 50 KLD capacity.

The construction of one more STP with a capacity of 90 KLD is in progress. All these STPs are being operated as per Punjab Pollution Control Board norms. The treated water disposed from these STPs is being used for irrigation purposes for which separate water lines have been

laid.

Chemical Waste Management

The use of chemicals and their disposal need to be proper with due consideration to health and environmental concerns. Hence, the university has adopted a well-framed chemical waste management policy.

File Description	Documents
Upload relevant supporting document	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	A. Any 4 or all of the above
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File Description	Documents
Upload relevant supporting document	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 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
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File Description	Documents
Upload relevant supporting document	View File

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 	C. Any 2 of the above
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5. Beyond the campus environmental promotional activities

File Description	Documents
Upload relevant supporting document	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	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, socio-economic and other diversities (within a maximum of 200 words)

The university has a well-established department, the 'International Resource Centre for Universal Human Values and Ethics (IRC-UHVE)', that has been running a course on Universal Human Values for all of its undergraduate students. This course has been run at the university or its affiliated colleges since 2011. Presently, this course is part of the model curriculum recommended by AICTE.

Consistent efforts are going on for the preparation of resource persons. Currently, five resource persons are there who can share universal human values through FDPs, and about ten resource persons are in the making.

IKGPTU has been jointly organizing ICHVHE, an International Conference on Universal Human Values in Higher Education, since 2011. This directly resulted in universities from SAARC nations becoming familiar with this topic.

The text book, teacher's manual, and other material were translated into Punjabi in 2012. The idea is to make this course so simple and comprehensible that students from the region may be able to grasp it effectively.

Subjects like Essence of Indian Knowledge Tradition, Mentoring

and Professional Development, Constitution of India, and Environmental Sciences are made mandatory in all engineering undergraduate courses. The course Research Publication and Ethics is also added to Ph.D. course work.

File Description	Documents
Upload relevant supporting document	View File

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

The various activities carried out by the university for making its students the responsible citizens include the following:

To promote the sense of fraternity among the students, the university has been conducting 3-weeks Student Induction Program (SIP) since 2018. The objectives of SIP are as mentioned below:

To provide an exposure to a holistic vision of life.

- To become familiar with the ethos and culture of the new environment & surroundings
- To develop bond with peers, seniors, faculty and staff
- To develop a healthy lifestyle and ethical professional discipline
- To connect and appreciate the diversity of cultures.

FDP on Universal Human Values are organized from time to time by IKGPTU in collaboration with AICTE to cover the following aspects:

- Universal

The content needs to be universal - applicable to all human beings and be true to all at all places.

Rational

The content must be compatible to logical reasoning. It should not be based on blind beliefs.

Verifiable

The participant should be able to verify the values on his/her own rights.

- Leading to Harmony

Values that enable us to live in peace and harmony.

- Covers all levels of living

Individual, Family, Society, Nature

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

Any 3 of the above

File Description	Documents
Upload relevant supporting document	View File

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

The university is continuously organizing many activities for the overall development of the students. With its vision of holistic development of its students, it has established Department of Youth Affairs. The department of Youth Affairs is working day and night with an objective of nurturing the young minds and to ensure their balanced growth & development. The activities of the department help to unravel the hidden talents of students and channelize their energy in chiseling their skills. The university believes in making its students the responsible citizens of the society by making them engaged in the activities/celebrations listed below:

1. Republic Day celebrations
2. Independence Day celebrations
3. Teacher's Day celebrations
4. Engineer's Day Celebrations
5. International Yoga Day celebrations
6. Zonal and Inter-Zonal Youth Festivals

Teachers' Day & Engineers' Day are the annual integral activities of the university being celebrated every year by the Youth Affairs Department. International Yoga Day are also celebrated in the university on 21st June. The objective of this event is to make assure the students get synchronize in mind & body.

File Description	Documents
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Upload relevant supporting document

[View File](#)

7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

Title of the Practice

a) Digitalization of the Approval Processes

b) e-Counselling system

Objectives of the Practice

Digitalization of all types of approval processes and the e-Counselling system to facilitate all the stakeholders.

The context:

University has developed online web portal to handle all the activities smoothly and in transparent manner.

The Practice:

University developed online web-portal to facilitate the stakeholders / colleges by bringing all the facilities at single window.

Also, the current system of e-counselling facilitates students to fill single online application form and apply to all programmes in all the participating institutions.

Evidence of success

The University is utilizing web portal successfully ensuring transparency. This practice is very much in-line with the approval process of AICTE.

All the students and colleges participating universities have benefited from the e-Counselling and Admission Services in recent years.

Problems Encountered and Resources Required

Few problems were encountered while opting digitalization and in developing the web portal to take it to the level of user friendliness.

Notes (Optional)

University is running online portals very successfully. It ensures ease of work for the university as well as the affiliated college.

Weblink: IKGPTU website:<https://ptuadmissions.nic.in>

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Title of the Practice:

Improving quality of research work.

Objectives of the Practice:

The objective of the best practice is to improve the quality of the research papers.

The Context:

Series of steps were taken by University to create awareness regarding the quality of research papers.

The Practice

IKGPTU is one of first universities to use digital solution for management of its research program. The entire admission process of PhD program, research advisory meetings, submission of PhD abstract, and submission of thesis, thesis evaluation and payment of fees has been automated.

Evidence of Success

Despite limited research infrastructure in University campus and its affiliated colleges, IKGPTU has improved its research contribution and quality of the research papers. In 2021, IKGPTU has achieved a Scopus h-index of 76, which is 6th in the state of Punjab.

Problems Encountered and Resources Required

To overcome the challenges of improving quality of research and facilitate the students/supervisors from affiliated colleges, IKGPTU provided free access to journals and digital books to all PG/PhD students and supervisor. The facility of checking plagiarism in the PhD thesis work through anti plagiarism software, free accounts were created for all supervisors.

7.3.2 - Plan of action for the next academic year

Future Plan for the next Academic Year

1. More Efforts shall be made for academic strengthening of teaching departments.
2. Efforts shall be made to recruit faculty on regular basis.
3. Efforts shall be made to complete the ongoing infrastructure buildings.
4. University shall make efforts to start academic session according to NEP-2020.
5. University shall make efforts for the placement of students.

6. University shall make efforts to start skill based courses/value added courses in the existing curriculum.