



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

**INDER KUMAR GUJRAL PUNJAB TECHNICAL  
UNIVERSITY**

**I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR-KAPURTHALA  
HIGHWAY, KAPURTHALA**

**144603**

**[www.ptu.ac.in](http://www.ptu.ac.in)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**February 2022**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

I. K. Gujral Punjab Technical University (IKGPTU) came into existence in the year 1997 under the (Punjab Act No. 1 of 1997) to contribute towards the advancement of technical, management and pharmaceutical education and development thereof in the State of Punjab and for the matters connected therewith. In the beginning, it was established as Punjab Technical University and was renamed in 2015 as I.K. Gujral Punjab Technical University by State Government in honour to Late Sh. Inder Kumar Gujral, Former Prime Minister of India. The University has the mandate to set up the Centers of Excellence in emerging technologies and for promoting training, research and development in these areas. IKGPTU started its journey with just 09 engineering colleges and few management colleges affiliated to it. Since then, it has come a long way becoming a gateway of multi-layered educational system covering all aspects of education from degree level to doctorate studies. The University has a land area of 78.16 acres with covered area more than 5.0 lac square feet. Today, it is one of the fastest growing technical universities with more than 10 campuses throughout the state, 68 Engineering Colleges, 103 Management and Computer Application Colleges, 37 Pharmacy colleges, 05 hotel management institutes and 06 Architecture colleges affiliated to it. IKGPTU has its own learning centers under Distance Education Programme. It continues to accomplish the vision of serving the State of Punjab, Nation as well as the World by leading the path of brilliance, making endeavours for quality in higher technical education, advancement in research and nurturing entrepreneurship and inventiveness among the youth. Many of IKGPTU notable alumni, who have distinguished themselves in various fields, make a deposition to its quest for excellence. Currently, the University is offering a number of programmes in various domains, both in regular and distance education mode. It is heading the responsibility of teaching, management and grant of more than thirty bachelor's degrees in Engineering & Technology, more than twenty in non-AICTE & UGC courses. Lakhs of students including more than 1500 international students coming from around 30 countries form the strength of IKGPTU.

### **Vision**

The University strives to serve the State of Punjab, the Nation and the World through high quality technical education and research thereby producing competent, skilled and subtle human resource that would generate conducive environment for humankind in an all-inclusive manner. The vision statement is:

*To be an institution of excellence in the domain of higher technical education that serves as the fountainhead 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.*

### **Mission**

*To 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.*

The following objectives have been set to reach the mission and realize the vision.

## Objectives

- To become an institution of excellence by imparting quality technical education for human resource development and nation-building.
- To hone the technical talent and abilities of young minds, develop their intellectual capital and shape them into extraordinary professionals in their respective domains.
- To encourage research, innovation and entrepreneurship through the use of cutting-edge technology, collaborations with academia, industry and society for contributing towards sustainable advancement of humankind.

To ensure the holistic growth and development of its learners by making them responsible citizens of the nation.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

- **Diversity and Inclusive Education**

IKGPTU offers a wide range of programmes in technical, management and pharmaceutical education, serving the aspirants from various parts of country and thus takes pride in becoming the catalyst by enabling the students pursue their dreams of professional education and build their careers.

- **State-of-the Art Infrastructure**

The state-of-the-art infrastructure in form of fully air-conditioned academic/administrative blocks, smart classrooms, well equipped laboratories, highly modernized seminar/conference halls, separate hostels for boys and girls, an auditorium, rich sports infrastructure is one of the biggest strengths of IKGPTU that enables to realise its vision and mission.

- **Knowledge Resource Center**

The campus has a state-of-the-art Knowledge Resource Centre (Library) with LIBSYS software for library automation with server, access to printed text books, reference books, print journals, e- resources- e journals, e books, data bases, Mobile Application facility and access to Kindle devices for e-Books reading, etc.

- **High Quality Research**

Higher quality benchmarks of research despite limited research infrastructure in university campuses and its affiliated colleges is one of the major strengths of IKGPTU. The university has achieved a Scopus h-index of 76, which is 6th in the state of Punjab in the year 2021.

- **Academic Autonomy**

We at IKGPTU enjoy academic autonomy on various issues, such as student admissions, curricular aspects,

teaching-learning methodology, academic content, quality assurance etc.

- **Entrepreneurship and Innovation**

Business Incubation Centre and Institutes' Innovation Council established by IKGPTU to facilitate start-ups in IT & other sectors is strengthening the accomplishment of its mission.

- **Corporate Relations and Alumni Network**

Our Department of Corporate Relations & Alumni has been working consistently to reach out to the corporate world for facilitating the best placements for IKGPTU students in reputed government, multinationals, NGOs and private organisations etc.

- **International Resource Centre for Universal Human Values & Ethics**

International Resource Centre for Universal Human Values & Ethics, IKGPTU is making tremendous contribution in all-inclusive growth of students through extension activities including field work and projects etc.

- **Fair Governance**

The implementation of e Office at IKGPTU has strengthened the governance by ensuring objectivity, transparency; accountability; optimum utilization of resources; a healthy work culture etc.

### **Institutional Weakness**

- IKGPTU has been on the forefront of promoting techno-innovation responsible for the techno-economic, social, cultural and environmental prosperity, national integration and international relations. The domains of knowledge pertaining to culture, philosophy, national integration, social sciences and humanities etc., need to be addressed.
- Set of regulations not approved by the government. We are still waiting for approval.
- The approval of course regulations is pending.

### **Institutional Opportunity**

- We are the only State Technical University in this catchment area so it is an opportunity to start various academic/professional courses and promote research on the problems and challenges being faced in the nearby areas so as to realize our vision of techno-economic, social and environmental prosperity.
- With highly qualified faculty, academic & research infrastructure, collaborations with industry & academia, we shall be able to mould ourselves into the model of New Education Policy through promoting interdisciplinary research, vocational courses and so on.

### **Institutional Challenge**

IKGPTU is running a wide range of programmes in varied domains of knowledge including Engineering, Management, Sciences, Media and Mass Communication, Humanities and Languages at its main campus, constituent campuses and affiliated colleges. Maintaining the spirit of its vision & mission and its arduous constitution, it lays impetus on achieving brilliance in higher technical education and research to achieve international standards and foster novelty & entrepreneurship midst the students. For this, the University needs apposite and continued monetary support, determined enhancement in strategies and procedures to attain the objective of becoming an institution of academic repute. The crucial challenges are:

- Enhancement of teaching, learning and research infrastructures and laboratories through integration of cutting-edge technology and emerging zones of knowledge
- Fulfilment of HR requirements- teaching and non-teaching staff
- Strengthening of e-governance and ICT infrastructure.
- To become an Institution of Distinction by strengthening the department of Corporate Relations & Alumni Connect and ensuring global partnerships for effective placements of our students.

## 1.3 CRITERIA WISE SUMMARY

### Curricular Aspects

To accomplish its vision and mission, the University is offering various academic programmes in diverse spheres of knowledge viz. Engineering, Management, Sciences, Media and Mass Communication, Humanities, and Languages. The academic programmes are imparted with well-structured curricula integrating current knowledge, multi- and inter-disciplinary learning to address real life problems. University has a well-defined policy for designing of curricula within framed guidelines, and supervised by Board of Studies and Academic Council. Curriculum lays impetus on the individual and global developmental needs with prescribed outcomes, both at the level of programmes and course. It is continuously reviewed and updated to make it consistent with the requirements of regulatory bodies like AICTE / UGC and the demands of industry. It is broadly based on three subsections: Core courses, Ability Enhancement Courses and Skill Development Courses. The curricula are designed to inculcate deep knowledge about academic disciplines and applied functional areas ad per current needs of industry. Besides this, curricula include courses with sharp emphasis on ability enhancement of students, knowledge about national / international business practices as well as developing entrepreneurial skills. The University encourages its students to enrol in courses available at different online portals like NPTEL, Swayam etc.

The University integrates cross-cutting issues of the society into curriculum through incorporation of the mandatory courses like 'Mentoring & Professional Development', 'Human Values and Professional Ethics', 'Environmental Sciences' etc., in curriculum of all programmes. IKGPTU creates a healthy ambience for the holistic growth of budding professionals thereby making them responsible citizens of society.

### Teaching-learning and Evaluation

IKGPTU practices a student centric teaching methodology in imparting education. The structure of all programs provides experiential and participative learning experiences to the students. Due to COVID 19, platforms such as Zoom, Google Classroom, G-suite, Google Duo, Microsoft Teams, Cisco WebEx, MOODLE, Social Media Platforms like WhatsApp and Telegram were and are being used to create virtual classrooms for effective conduct of classes, collecting assignments, conducting tests and practical examinations

as well as for sharing notes, practice questions and other e-resources. The attainment of knowledge from various resources viz. printed books, e-reference books and e-journals available in the KRC (Knowledge Resource Centre), You Tube, Web Pages, courses of MOOCS, NPTEL, etc., is encouraged at IKGPTU. The participation in various co-curricular activities gives the students an exposure to the work on different societal and environmental issues and hone their professional skills. Slow learners are facilitated by the faculty through academic counselling, bilingual explanation, discussions, remedial classes etc.

Observing the examination guidelines of IKGPTU, the faculty members assess students continuously through direct and indirect methods. Internal assessment, semester examinations, assignments, seminars, laboratory assignments/practical, projects, and other direct techniques are used to evaluate students' knowledge and abilities. Indirect methods such as alumni survey and students' feedback are also used to reflect on students' learning. Keeping the nature of different courses in mind, presentations, group-discussions, case-study, experiments, plays, role-plays, simulations, demonstration, laboratory work, seminar, workshop, project, games, debate, quiz, regular assignments and viva-voice, are appropriately used for assessing the qualitative performance of learners.

### **Research, Innovations and Extension**

IKGPTU is ranked as a research-intensive university with a Scopus h-index of 76. By introducing higher quality benchmarks over the years, despite limited research infrastructure in University campus and its affiliated colleges, IKGPTU has been able to improve its research contribution and quality of the research papers over the years. In 2021, it has achieved a Scopus h-index of 76, which is 6th in the state of Punjab. The University had been conferred upon an award in the class of "Best University Promoting High Quality Research at Master's and Doctoral Thesis Work" at the event "CCI Technology Education Excellence Awards 2013." IKGPTU is one of first universities to use digital solution for management of its research program. The practice of appointing one examiner from foreign universities in PhD evaluation process so that research get peer review, has proved a boon.

IKGPTU has started the Business Incubation Centre and Institutes' Innovation Council under MHRD's Innovation Cell to facilitate start-ups in IT & other sectors. Incubation Centre enables students to have hands on experience in promoting innovation driven activities and entrepreneurial culture at the University. The various activities include seminars/ workshops on IPR, celebration of E week, Entrepreneurial and motivational talks.

International Resource Centre for Universal Human Values & Ethics has promoted many extension activities through field work and projects of IKGPTU students in last five years. These activities include exploring holistic approach of living through natural farming (2 acres model), holistic technologies in dairy farming, paddy exchange storage system in village economy to name a few.

### **Infrastructure and Learning Resources**

The vision of IKGPTU is to make the institution a Centre of Excellence by continually improving the student's learning potential by providing all facilities. The University and its campuses have beautiful landscapes, trees, gardens, lawns and parks, which make environment very aesthetic. Its main campus is spread in 78 acres area of land. The main administrative block of the University is having G+7 floors, centrally air-conditioned with adequate parking spaces separately for staff and visitors. The campus is having three academic blocks which are air-conditioned with covered area of 3.54lacs Sq. ft. With impetus on the academics of students and

developing their overall personality of students, we have smart classrooms, well equipped labs, Knowledge Resource Centre, well-equipped conference/seminar halls etc. Faculty and staff at IKGPTU are provided with all the essential facilities for teaching and research including an appropriate office space with required furniture, and adequate storage. Basic amenities provided to students and staff include separate lift facility, Wi-Fi facility, fire safety equipment, basic Health Care Center, a Bank, Post office, an ATM, a central canteen and a tuck shop etc. There are separate hostels for boys and girls with adequate high security and good discipline. There is a fleet of buses for the students and staff for commuting daily to University Campus and adequate resources to encourage sports and for conducting extra-curricular activities including various playgrounds, Courts, Table Tennis Halls, Open Gym, Open Air Theatre and Sri Guru Nanak Dev Ji Auditorium with state-of-the-art infrastructure etc.

### **Student Support and Progression**

University provides all possible support to students in academics and their progression to higher studies and profession. All relevant information regarding administration; departments; offices; admissions; programmes with outcomes; examinations; infrastructures; and amenities is provided on website of the University and notice-boards of Departments/Centres. Student Induction Programmes are organised to apprise new students with the courses, faculty, curricular/co-curricular activities and career prospects and resources at Knowledge Resource Centre etc. Department of Students' Welfare deals with the students' related matters and frequently conducts counselling sessions on career opportunities. The Department of Corporate Relations and Alumni makes consistent efforts in the placements & industrial training of students in various multinational companies. There exists an Online Student Grievance; Redressal System; a student feedback system. Logistic Support Centres at selected affiliated colleges of the University across its territorial jurisdiction provide support to the prospective and existing learners under Distance Education Programme. The university has adequate sports infrastructure to encourage both outdoor as well as indoor sports and for the conduct of extra-curricular activities. It has numerous spacious play grounds including Basketball Ground, Badminton Court, Volleyball Court, Lawn Tennis Courts, Athletic Court, Table Tennis Halls, Open Gym, Open Air Theatre and Sri Guru Nanak Dev Ji Auditorium etc. Students represent in committees like IQAC cell, anti-ragging, anti-sexual harassment etc. The students organize and participate in various NCC, NSS activities like conducting Blood Donation Camps, Rural Health & Sanitation, Education Campaigns, Environmental Awareness Camps, Technical Fest, Cultural Fest etc.

### **Governance, Leadership and Management**

IKGPTU has dynamic and participative administrative structure with a strong leadership geared to achieve excellence in academics, research and social outreach. It performs its functions through various Statutory Bodies formed in accordance with University Act such as Board of Governors (BOG), Academic Council, Faculty, Board of Studies (BOS), Finance Committee, College Development Council (CDC), IQAC, Human Resource committee (HRC), Building Works committee, Cultural Executive committee (CEC) and Sports Executive Committee. All these committees are formed as per their prescribed structure with internal and external members and works towards holistic development of the University for achieving academic excellence. The proceedings of their meetings are uploaded on the University website to ensure transparency in the process of decision making.

The Board of Governors (BOG) is the apex body of the University for taking both academic and administrative decisions and is responsible to maintain the smooth working of the University. The Academic Council performs

the task of formulating academic rules, introduction of new courses, evaluation criteria and Board of Studies. The members of Academic Council comprise of experienced resource persons from within the University and other Universities of high repute. The Finance Committee and HR committee looks after the financial matters and employee related matters of the University. IQAC cell of the University works towards ensuring the introduction of quality parameters in the working of the University. The Cultural and Sports executive committee plans the extra-curricular activities for holistic development of students of university campus and affiliated colleges.

### **Institutional Values and Best Practices**

University has developed and maintained the culture of best practices and innovations in its academic, administrative and research initiatives. Key practices include: Adaptation of progression in teaching-learning pedagogy through the use of cutting-edge technology; Digitalization of approval process of new college/ new programme/ increase in intake/ restoration/ break in continuation/ continuation; E-counselling and admission Services through online portal; implementation of high-quality benchmarks in its research programme; establishment of Business Incubation Center and Innovation Council to promote innovation and entrepreneurship; implementation of e-governance; establishment of International Resource Centre for Universal Human Values & Ethics (IRC-UHVE) to ensure holistic growth of students etc.



## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the University	
Name	INDER KUMAR GUJRAL PUNJAB TECHNICAL UNIVERSITY
Address	I. K. Gujral Punjab Technical University, Jalandhar-Kapurthala Highway, Kapurthala
City	Kapurthala
State	Punjab
Pin	144603
Website	<a href="http://www.ptu.ac.in">www.ptu.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	Vikas Garg	01822-282500	9417080002	-	vc@ptu.ac.in
IQAC / CIQA coordinator	Harmeem Soch	-	9478098051	-	harmeensoch@yahoo.com

Nature of University	
Nature of University	State University

Type of University	
Type of University	Affiliating

Establishment Details	
Establishment Date of the University	16-01-1997
Status Prior to Establishment, If applicable	

Recognition Details		
Date of Recognition as a University by UGC or Any Other National Agency :		
Under Section	Date	View Document
2f of UGC	16-01-1997	<a href="#">View Document</a>
12B of UGC		

University with Potential for Excellence	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	No

Location, Area and Activity of Campus							
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.	Programmes Offered	Date of Establishment	Date of Recognition by UGC/MHRD
Main campus	I. K. Gujral Punjab Technical University, Jalandhar-Kapurthala Highway, Kapurthala	Rural	78.16	951000	PhD, M. Phill, PG, UG		
Satellite Campus	Ikgptu Campus, Hoshiarpur, Inside Pt. J. R. Government Polytechnic College, Jalandhar Road, Hoshiar	Urban	22.6	2953	UG	29-11-2013	01-01-1970

	<i>pur - 146001</i>						
<i>Satellite Campus</i>	<i>Ikgptu Campus , Inside Govern ment Po lytechni c College, Near Cipet College, Po, Chh eharta, Amritsa r - 143105</i>	<i>Urban</i>	<i>22.54</i>	<i>6373</i>	<i>UG, PG</i>	<i>05-01-2012</i>	<i>01-01-1970</i>
<i>Satellite Campus</i>	<i>Ikgptu Mohali Campus - I, Khu nimajra, Sector 115, Mohali</i>	<i>Urban</i>	<i>2.59</i>	<i>10975</i>	<i>UG</i>	<i>21-09-2004</i>	<i>01-01-1970</i>
<i>Satellite Campus</i>	<i>Ikgptu Mohali Campus - Ii, 102 /B, Indu strial Area, Phase Vii, Sas Nagar, Mohali - 140308</i>	<i>Rural</i>	<i>11.75</i>	<i>6683</i>	<i>UG, PG</i>	<i>21-06-2013</i>	<i>01-01-1970</i>

## 2.2 ACADEMIC INFORMATION

### Affiliated Institutions to the University

Type of Colleges	Permanent	Temporary	Total
Education/Teachers Training	0	0	0
Business Administration/Commerce/Management/Finance	1	152	153
Universal/Common to All Disciplines	2	209	211

### Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	5
Affiliated Colleges	364
Colleges Under 2(f)	12
Colleges Under 2(f) and 12B	2
NAAC Accredited Colleges	4
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	4
Colleges with Postgraduate Departments	142
Colleges with Research Departments	8
University Recognized Research Institutes/Centers	3

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)	: Yes								
<table border="1"> <thead> <tr> <th>SRA program</th> <th>Document</th> </tr> </thead> <tbody> <tr> <td>AICTE</td> <td><a href="#">101533_7403_1_1637213775.pdf</a></td> </tr> <tr> <td>COA</td> <td><a href="#">101533_7403_18_1637215351.pdf</a></td> </tr> <tr> <td>DEB-UGC</td> <td><a href="#">101533_7403_21_1637215395.pdf</a></td> </tr> </tbody> </table>	SRA program	Document	AICTE	<a href="#">101533_7403_1_1637213775.pdf</a>	COA	<a href="#">101533_7403_18_1637215351.pdf</a>	DEB-UGC	<a href="#">101533_7403_21_1637215395.pdf</a>	
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### Details Of Teaching & Non-Teaching Staff Of University

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned	20				52				146			
Recruited	2	1	0	3	9	3	0	12	40	27	0	67
Yet to Recruit	17				40				79			
On Contract	0	0	0	0	0	0	0	0	0	0	0	0

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned				487
Recruited	273	80	0	353
Yet to Recruit				134
On Contract	0	0	0	0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned				61
Recruited	6	0	0	6
Yet to Recruit				55
On Contract	0	0	0	0

### Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	2	1	0	8	3	0	38	24	0	76
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	1	0	0	2	3	0	6

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

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

**Distinguished Academicians Appointed As**

	Male	Female	Others	Total
Emeritus Professor	0	0	0	0
Adjunct Professor	0	0	0	0
Visiting Professor	0	0	0	0

**Chairs Instituted by the University**

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	Humanities Languages and Cultural Studies	Shri Guru Nanak Dev Ji Chair	I. K. Gujral Punjab Technical University Kapurthala

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

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	768	616	0	0	1384
	Female	400	112	0	1	513
	Others	0	0	0	0	0
PG	Male	106	93	0	0	199
	Female	80	30	0	0	110
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	59	20	0	0	79
	Female	66	9	0	0	75
	Others	0	0	0	0	0
Pre Doctoral (M.Phil)	Male	2	2	0	0	4
	Female	4	2	0	0	6
	Others	0	0	0	0	0

<b>Does the University offer any Integrated Programmes?</b>	No
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**Details of UGC Human Resource Development Centre, If applicable**

Year of Establishment	Nil
Number of UGC Orientation Programmes	0
Number of UGC Refresher Course	0
Number of University's own Programmes	0
Total Number of Programmes Conducted (last five years)	0

**Provide the Following Students Details**

<b>Total Number of Students in Distance Learning</b>	<b>121</b>
<b>Total Number of General Students in Institution</b>	<b>2249</b>

**Institutional preparedness for NEP**

1. Multidisciplinary/interdisciplinary:	<p>Different departments of IKGPTU Main as well as Constituent campuses have already stepped forward towards implementation of NEP in line with the vision of the University through following initiatives:</p> <ul style="list-style-type: none"> <li>• The Department of Academics organized Five Day Webinar Series on Implementation of National Education Policy 2020 from 18th August, 2021 to 24th August, 2021 for developing responsiveness about the salient features of the NEP 2020 among stakeholders</li> <li>• Curriculum revision, implementation of CBCS system, Minor degrees, Open electives, and flexibility to opt for Online Courses / MOOCs, etc.</li> <li>• The framework/structure provided by AICTE / UGC for undergraduate programmes has 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 and passion and specialization in any other branch for minor degree along variety of multi-disciplinary vocational and skill-based courses.</li> <li>• Establishment of well-equipped laboratories and workshops as per the industrial requirements and global needs.</li> <li>• Tie-</li> </ul>
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ups with leading industries and companies including Tata Technologies, Amritsar Founders etc, for imparting technical training to the students. Centre for Invention, Innovation, Incubation and Training (CIIT) has been set up in collaboration with Tata Technologies for fostering creative thinking, invention and entrepreneurship among budding learners. • Organizing Faculty Development Programs / Seminars / Workshops and conduct of activities such as sports competitions, technical and general knowledge quizzes, participation in cultural events such as youth festivals etc. are the regular features of all the departments in main as well as constituent campuses. • Faculty of various departments regularly publishes their publications in leading indexed and referred international journals. They also participate in various faculty development programs and leading conferences of Web of Science / Scopus. All departments of university are working with the goal to encourage the development of holistic individuals. With the aim to foster all capacities of human beings including academic, aesthetic, societal, physical, emotional and moral, a multidisciplinary/Interdisciplinary approach of education is being followed by integrating Humanities and Arts into core domains of knowledge including Engineering, Sciences, Pharmacy, Architecture, Management and Journalism, etc. • The framework/structure provided by AICTE / UGC for undergraduate programmes has been followed which incorporates the choices in elective courses offered to students. The provision permits the interdisciplinary approach and students may opt elective from different branch. Students have the freedom to choose open elective courses of their passion and specialization in any other branch for minor degree along variety of multi-disciplinary vocational and skill-based courses. With creative combination of subjects, cutting edge curriculum, flexible options during the UG course, students can explore their area of interest and also choose career of their choice. • Various departments regularly update their curriculum through their respective Board of Studies which consists of prodigious subject experts from academia and industry respectively

2. Academic bank of credits (ABC):

Academic bank of credits will be maintained through Choice Based Credit system of the university already

	in place wherein degree is issued to a student only upon the fulfilment of credits earned by the students.
3. Skill development:	<p>With an impetus on five pillars of NEP 2020: Affordability, Accessibility, Quality, Equity, and Accountability, various departments of IKGPTU shall ensure the implementation of NEP through:</p> <ul style="list-style-type: none"> <li>• design or revision of curriculum of various programmes from the perspective of students' learning experiences;</li> <li>• by offering flexible curriculum, freedom to choose side by side, variety of multi-disciplinary vocational and skill-based courses</li> <li>• development and application of teaching pedagogies including the utilization of the cutting-edge technology, artificial intelligence to ensure more tailored and personalized learning as per the student's requirements;</li> <li>• by strengthening the departments in terms of core faculty to student ratio.</li> <li>• incentives to faculty and implementation of Seed Money Grant for research;</li> <li>• assessment &amp; evaluation based on higher-order skills, including analytical skills, critical thinking and conceptual lucidity through Student mentoring system, Feedback system etc.</li> <li>• Offering medium of instruction in local/regional languages thereby reducing linguistic barriers faced by students in obtaining knowledge of core domain. Focus on Skill based education is maintained through the various quality practices already adopted by the departments which includes laboratory classes, in house trainings and six-month industrial training, the training workshops and conduct of various technical events and report writings of the technical projects etc.</li> <li>• In order to acquaint the students regarding current and emerging developments in their respective fields, university has mandatory Institutional Training, Industrial Training followed by Semester Training wherein they receive hands-on experience of skills crucial for enhancement of their knowledge and placements.</li> <li>• Further, teachers/faculty are also motivated to attend the skill-based courses of their focused area chosen on the basis of skills gap analysis and of local opportunities.</li> </ul>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>Indian Knowledge System has been well integrated into curricula of UG and PG programs of IKGPTU Main and Constituent campuses through inclusion of courses such as Constitution of India, Essence of Indian Knowledge &amp; Tradition, Universal Human Values, Development of Societies, Sanskrit for</p>

	<p>Technical Education and Stress Management through Yoga, etc. Further, Indian knowledge system can be more effectively unified with curriculum by using online courses which includes MOOC Platform (NPTEL, Coursera, SAP, Udemy etc). Online quiz, online competitions and video conference are the main elements to be used for integration of Indian knowledge system.</p>
5. Focus on Outcome based education (OBE):	<p>The key objective of Outcome based education is to explicate the purpose of program and its courses and to get the students involved in every academic activity of their programme. All programs being run at IKGPTU Main as well as Constituent campuses have well defined Program Educational Outcomes, Programme Specific Outcomes and Course Outcomes which are evaluated through mid-semester test, final theory and viva voce examinations.</p>
6. Distance education/online education:	<p>Online education is new and current scenario of teaching where traditional education cannot reach. A clear focus on online education can be achieved through imparting education through various platforms such as Zoom, Google Meet, Microsoft Team, Google Classroom, Moodle, etc.</p>

## Extended Profile

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### 1 Program

#### 1.1

*Number of Programmes offered year wise for last five years (face-to-face only)*

2020-21	2019-20	2018-19	2017-18	2016-17
34	30	24	20	19
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 1.2

*Number of departments offering academic programmes (face-to-face only)*

2020-21	2019-20	2018-19	2017-18	2016-17
14	14	12	12	12
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 1.3

*Number of Programmes offered by DDE year-wise for last five years*

2020-21	2019-20	2018-19	2017-18	2016-17
6	9	9	9	9
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 2 Students

#### 2.1

*Number of students year - wise during the last five years (face-to-face only)*

2020-21	2019-20	2018-19	2017-18	2016-17
2249	1677	1299	1143	1049
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**2.2**

***Number of outgoing / final year students year - wise during the last five years (face-to-face only)***

2020-21	2019-20	2018-19	2017-18	2016-17
282	250	294	247	265
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**2.3**

***Number of students appeared in the University examination year wise during the last five years (face-to-face only)***

2020-21	2019-20	2018-19	2017-18	2016-17
1898	1334	1023	859	860
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**2.4**

***Number of revaluation applications year - wise during the last 5 years (face-to-face only)***

2020-21	2019-20	2018-19	2017-18	2016-17
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**2.5**

***Total Number of learners in DDE year wise over the last five years.***

2020-21	2019-20	2018-19	2017-18	2016-17
121	133	548	1339	1998
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 3 Teachers

#### 3.1

*Number of courses in all Programmes year - wise during the last five years (face-to-face only)*

2020-21	2019-20	2018-19	2017-18	2016-17
1701	1447	1154	790	735
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 3.2

*Number of full time teachers year - wise during the last five years (face-to-face only)*

2020-21	2019-20	2018-19	2017-18	2016-17
82	84	84	86	87
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 3.3

*Number of sanctioned posts year - wise during the last five years (face-to-face only)*

2020-21	2019-20	2018-19	2017-18	2016-17
218	218	218	218	218
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 3.4

*Number of full time teachers and other academics in DDE year - wise during the last five years*

2020-21	2019-20	2018-19	2017-18	2016-17
17	17	1	1	1
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

## 4 Institution

### 4.1

*Number of eligible applications received for admissions to all the Programmes year - wise during the last five years (face-to-face only)*

2020-21	2019-20	2018-19	2017-18	2016-17
1240	1019	734	565	719
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 4.2

*Number of seats earmarked for reserved category as per GOI/State Govt rule year - wise during the last five years (face-to-face only)*

2020-21	2019-20	2018-19	2017-18	2016-17
661	548	466	262	268
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 4.3

*Total number of classrooms and seminar halls in conventional departments (face-to-face only)*

**Response: 102**

### 4.4

*Total number of computers in the campus for academic purpose (face-to-face only)*

**Response: 1979**

### 4.5

**Total Expenditure excluding salary year - wise during the last five years (INR in Lakhs) (face-to-face only)**

2020-21	2019-20	2018-19	2017-18	2016-17
2022.00	6504.42	4686.94	5148.11	4950.01
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**4.6****Total number of rooms and seminar halls at DDE****Response: 16****4.7****Total expenditure of the DDE excluding salary year - wise for five years (INR in Lakhs).**

2020-21	2019-20	2018-19	2017-18	2016-17
32.82	62.08	73.13	126.36	172.31



## 4. Quality Indicator Framework(QIF)

### Criterion 1 - 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 Institution.**

**Response:**

The development and implementation of curriculum lays impetus on the individual and global developmental needs with prescribed outcomes, both at the level of programmes as well as course. The constitution of BOS at IKGPTU consists of minimum two external members representing government, industry or public bodies. The curriculum is continuously reviewed and necessary changes are made from time to time to make it consistent with the requirements of regulatory bodies like AICTE / UGC and the demands of industry. The curriculum developed and implemented at IKGPTU is on the lines of AICTE / UGC Model Curriculum.

The curricula are designed to inculcate deep knowledge about academic disciplines and applied functional areas that are desired by the industry these days. In addition to this, curricula include courses with sharp emphasis on ability enhancement of students, knowledge about national / international business practices as well as developing entrepreneurial skills.

The institution strives to produce high quality professionals to cater to the requirement of diverse industries. Specific Outcomes for each program have been formulated to ensure the attainment of domain-specific knowledge and skills in relation with course outcomes. To stay abreast internationally, the curriculum is revised from time to time.

The curriculum is designed as per the UGC guidelines and broadly based on the three subsections: Core courses for the knowledge of fundamentals of the subjects, Ability Enhancement Courses and Skill Development Courses to make the students employable. IKGPTU attempts to achieve a status of having a world-class teaching-cum-research campus with the view of adopting best global practices; encouraging academic and research collaboration with prestigious national and international institutions. The university is serving the nation by encouraging and performing innovative teaching practices. As a result, competent, skilled and sensitive human resources are produced to meet the challenges of society at large. The learning objectives of each and every programme are well integrated and comprehensively reflected in programme outcomes. IKGPTU emphasizes on timely revision of syllabi in order to be in line with the global trends.

The teaching practices used by the university include theoretical methods, experimental techniques, practical laboratory experiments, and research dissertation etc. It equips the students with the fundamental and latest knowledge of their respective discipline/domain. The University encourages its students to enroll in courses available at different online portals like NPTEL, Swayam etc.

For the holistic development of budding professionals, most of the programmes include mandatory courses on moral, environmental education, mentoring & professional development, human values & professional ethics etc. To provide better industrial and research exposure to the students, conduct of workshops and

seminars is a regular of all departments of university.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

**Response:** 18.81

#### 1.1.2.1 *How many Programmes were revised out of total number of Programmes offered during the last five years*

2020-21	2019-20	2018-19	2017-18	2016-17
5	14	12	4	3

#### 1.1.2.2 *Number of all Programmes offered by the institution during the last five years*

2020-21	2019-20	2018-19	2017-18	2016-17
52	48	38	33	31

File Description	Document
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Details of Programme syllabus revision in last 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years

**Response:** 63.23

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

2020-21	2019-20	2018-19	2017-18	2016-17
1012	895	711	511	444

File Description	Document
Programme/ Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**1.1.4 Percentage of the Programmes on offer by DDE have incorporated electronic media and other digital components in their curriculum over the last five years**

**Response:** 60

**1.1.4.1 Total number of the Programmes on offer by DDE have incorporated electronic media and other digital components in their curriculum over the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
6	0	0	9	9

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Details of Programmes incorporating electronic media and other digital components offered by DDE year wise over the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

**1.2.1 Percentage of new courses introduced of the total number of courses across all programs**

offered during the last five years.

**Response:** 35.74

**1.2.1.1 How many new courses were introduced within the last five years.**

Response: 858

**1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.**

Response: 2401

File Description	Document
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).**

**Response:** 150

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

Response: 51

File Description	Document
Minutes of relevant Academic Council/BOS meetings	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 1.3 Curriculum Enrichment

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

**Response:**

The University integrates cross-cutting issues of the society including moral values, human values, professional ethics, ethical values, gender equality, environmental awareness etc. These concerns have been made an indispensable part of our curriculum. The mandatory courses like 'Mentoring & Professional Development', 'Human Values and Professional Ethics', 'Environmental Sciences' etc.

have been designed and incorporated in the curriculum of all programmes run by university. IKGPTU creates a healthy ambience for the all-round growth and development of the students as responsible citizens of the society. University celebrates days of National and International importance as Republic Day, Women's Day, Independence Day, Teachers' Day, International Yoga Day etc. to nurture the moral, ethical and social values in the students.

Awareness about ecological concerns is necessary for the protection of the environment and sustainable growth of human life. Under the EVS course, the students are acquainted with the concepts of sustainability in environment. They are informed about various ecosystems, the rate at which they are being spoiled and what should be done to conserve them. The subject mainly focuses on sensitizing students on environment as to how they can contribute significantly in ensuring sustainable environmental growth. The university regularly organizes workshops and seminars on ecology to make students aware about the concepts of bio diversity, different types of pollutions & their level of destruction in the society and the efficient use of natural resources.

Students are encouraged to participate in various social activities like plantation drives, blood donation camps, education awareness camps in nearby villages to promote national integrity, human values, communal harmony. Apart from this, the university regularly organizes workshops on HVPE. For every faculty, it is mandatory to attend One week workshop so that they can impart better understanding among students about the subject.

All these subjects ensure the holistic development of the students so that they are able to have a positive perception towards life, career and society. These programmes ensure that students, being the future drivers of this society, live their life happily and also makes other's life happy.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### **1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.**

**Response:** 0

#### **1.3.2.1 How many new value-added courses are added within the last five years.**

### **1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.**

**Response:** 0

#### **1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years.**

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

### 1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).

**Response:** 20.1

#### 1.3.4.1 Number of students undertaking field projects or research projects or internships.

**Response:** 452

File Description	Document
List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 1.4 Feedback System

### 1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni

**Response:** A. All 4 of the above

File Description	Document
Any additional information	<a href="#">View Document</a>
Action taken report of the University on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

### 1.4.2 Feedback processes of the institution may be classified as follows:

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

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
URL for feedback report	<a href="#">View Document</a>

NAAC

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Demand Ratio (Average of last five years)

**Response:** 0.65

##### 2.1.1.1 Number of seats available year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2056	1804	1420	775	855

#### File Description

#### Document

Demand Ratio (Average of Last five years) based on Data Template upload the document

[View Document](#)

Any additional information

[View Document](#)

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

**Response:** 48.69

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

2020-21	2019-20	2018-19	2017-18	2016-17
371	267	166	128	145

#### File Description

#### Document

Average percentage of seats filled against seats reserved (Data Template)

[View Document](#)

Any additional information

[View Document](#)

#### 2.1.3 Average percentage increase in the enrolment of learners in the DDE over the last five years

**Response:** 107.37

##### 2.1.3.1 Number of learners with fresh Enrolment Admission into next semester (re-registration), year -



*wise during last five years.*

2020-21	2019-20	2018-19	2017-18	2016-17
21	133	548	1085	1224

**2.1.3.2 Total enrolment of DDE in the preceding academic year, year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
121	133	548	1339	1998

**2.1.3.3 Number of increase / decrease in the enrolment of learners in the DDE year - wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
12	415	791	659	426

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 2.2 Catering to Student Diversity

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

**Response:**

Before commencement of formal classes, an Induction Programme is organized for all students of university wherein an introduction to university life, from academics to social activities is given. The university believes in experiential learning i.e., learning by doing by students. The university continuously organizes industrial visits for students so that they can have interaction with people having hands-on experience and thus, can have better understanding of working in the real environment. Faculty makes endeavours to identify slow and advanced learners amongst the students through Question-and-Answer sessions, Classroom Discussion method and by evaluating their knowledge of Subject-matter as expeditiously as possible. Academic counselling to individual student is also given by concerned subject

teacher. Efforts are made to identify the cause of their problem and appropriate solutions are worked out. Slow learners are encouraged to take part in departmental activities. Those with potential eventually graduate to leadership roles. Efforts are made to identify and nurture their skills and talents in order to boost their confidence. Group Study System is also encouraged with the help of the advanced learners. Bilingual explanation and discussions are imparted to the slow learners after the class hours for better understanding. Remedial classes are taken for slow learners where the faculty saves time to sit with those individual students to complete the difficulty of the lesson. The facility of library is available for whole week during which students can sit in the library and can get access to different text books and reference books. High performing students are identified based upon internal assessment, major/minor examinations, university examination and involvement in classroom. Students are actively involved in curricular and extra-curricular activities by all academic departments of university to hone their professional skills. Research based activities are a regular feature of the university which stimulates out-of-the-box thinking and provides training in planning and carrying out experiments and field work, analyzing findings and publishing results. They are encouraged to make presentations, write papers and participate in international/national conferences / seminars / workshops. University is planning to start value added courses on technical writing, preparation for competitive examinations etc. to address the need of the advance learners. Teachers regularly communicate with the students about their regularity, punctuality, academic performance and behaviour in the campus. Students are encouraged to enrol in various online courses of their interest.

File Description	Document
Upload Any additional information	<a href="#">View Document</a>

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

**Response:** 27:1

File Description	Document
Any additional information	<a href="#">View Document</a>

### 2.2.3 Average percentage of the enrolled learners at DDE who are employed over the last five years

**Response:** 0.64

#### 2.2.3.1 Number of employed learners enrolled at DDE year - wise over the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	1	6	18	0

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**2.2.4 Average number of learners enrolled from special target groups namely: Persons with Disability, Transgender, Defence and Paramilitary forces, Prison inmates, etc. enrolled as learners in DDE over the last five years**

**Response:** 25

**2.2.4.1 Number of learners from special target groups enrolled at DDE year - wise over the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
7	5	11	38	64

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 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**

**Response:**

The University practices a teaching methodology which emphasizes on imparting education through a student centric approach. It has made provision in the structure of all programs to give students experiential and participative learning experiences. This methodology helps to transform students from being relegated to the role of passive recipients to the active and involved stake holders, apart from boosting their confidence and encouraging independence. The routine classroom teaching focuses on two-way dialogue between teachers and students to accomplish teaching learning 'with' rather than 'for' students. The curriculum of most of the courses includes tutorial class per week for each subject to help students with their problems and also to enhance their numerical/ problem solving capacities. The research projects/dissertations are also included in the curriculum of students to help them learn the skill of technical writing and presentation. The students are empowered to be more independent and interdependent. Responsibility of the students in organizing and managing cultural programs is ensured.

The student learns the concept of teamwork and how to work efficiently in a team-oriented environment. Our faculty made a swift transition from classroom to online teaching during the lockdown due to COVID-19 pandemic. Platforms such as Zoom, Google Classroom, G-suite, Google Duo, Microsoft Teams and Cisco WebEx were used to create virtual classrooms. The university library provides access to print and e-library resources. Faculty regularly consults and shares material from e-books, web pages, You-tube videos, NPTEL and other relevant library resources. The students are encouraged to attain knowledge from various MOOC courses. Classrooms and laboratories are equipped with projectors and are Wi-Fi enabled to facilitate teachers to directly stream web pages and videos. Each department conducts add-on programs to support students in their experiential learning. Summer Internship is one such example that helps students to get hands on training while working in the company. Moreover, the students are able to witness how theoretical knowledge gained in different courses is practically applicable in their work domain. Students are encouraged to participate in various co-curricular activities organized in collaboration with prestigious organizations. This gives them the exposure to the work and views of prodigious experts, academicians, artists and activists on different societal and environmental issues. Students are also made to participate in various competitions at local and national level.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.

#### Response:

On August 5, 2010, the Ministry of Information and Communication Technology, Government of India, honoured IKGPTU with the e-INDIA 2010 Award of the Year as “ICT Enabled University of the Year” and “Open and Distance Learning Initiative of the Year Award” at Hyderabad. Today, digital, web, and mobile-based technologies are progressively influencing the learning qualities of pupils. The teaching-learning process at IKGPTU has been realigned and redefined in light of current developments in ICT, to make it easier to adopt a broad range of educational learning theories and delivery approaches that support and promote innovative teaching and learning.

All faculty members are regularly trained through various programmes to upgrade their ICT skills required to teach effectively, including courses offered by prestigious institutions and HRDC (Human Resource Development Centres) of a number of universities for developing e-content and its effective dissemination for the benefit of students.

- Teachers made a swift transition from classroom to online teaching during the lockdown due to COVID-19 pandemic. Platforms such as Zoom, Google Classroom, G-suite, Google Duo, Microsoft Teams, Cisco WebEx were and are being used to create virtual classrooms for effective conduct of classes.
- Teachers use social media platforms like WhatsApp and Telegram to connect with the students individually and collectively beyond the classroom for giving extra information and support to the

students.

- Students are encouraged to prepare presentations, assignments, project and field reports using MSWord, MS Power point, MS Excel, and other ICT tools. Online modes like Email, Google Groups and Google Class room are used to collect assignments, conduct tests and practical examinations as well as for sharing notes, practice questions and other e-resources.
- MOODLE on our University website is a mandatory ICT tool for learning process and resource management, and it also enables monitoring of students' learning process through online quizzes, submission of online assignments etc. It helps our students in blended learning, flipped classroom and other e-learning projects.
- Teachers have used a variety of online technologies to teach mathematical courses in an online setting, such as the whiteboard in Microsoft Teams, the Jamboard in Google Meet, and so on.
- Students and faculty members are encouraged to utilize the e-reference books and e-journals available in the KRC (Knowledge Resource Centre) of the University, for preparation of assignments and conduct of research.
- The ICT enabled Teaching-Learning Process includes regular practical sessions, access to the digital library, online courses of MOOCS, NPTEL, etc., online journals, online tests, use of LCD projectors for seminars and workshops, productive use of educational videos, and accessibility of non-print material for students of various disciplines.
- The participatory, discussion/demonstration-based case studies and project-based learning approaches allow students to employ critical thinking, communication, and abilities of group dynamics, and reflect suitable integration of direct and online contact among participants.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

**Response:** 40:1

#### 2.3.3.1 Number of mentors

Response: 56

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	<a href="#">View Document</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View Document</a>

#### Other Upload Files

1

[View Document](#)

### 2.3.4 Development of Self - Learning Material (SLM) at DDE Process followed for development of Self -

**Learning Material by DDE****Response:**

The programmes in DDE are categorised into DDE Streams. Each stream has a Stream Coordinator and respective Content Development Committee (CDC) that is coordinated by the faculty of the concerned Department at IKGPTU. That faculty member is also a member of the concerned Board of Studies (BOS) and is the Stream Coordinator of the DDE Stream. Stream coordinator is the Chairman of the concerned stream and CDC. Under each stream coordinator, there are Subject Coordinators from IKGPTU and further down the line there are subject experts. These subject experts can be either from the university itself or can be from reputed institutes either affiliated to the university or from other universities. Industry experts can also be considered for the position of subject experts. First step in Self Learning Material (SLM) development is approval of the Master plan of SLM development that includes activities like segmentation/delimitation of syllabus into units and lessons. After that CDC will identify authors for script writing. Generally, Authors with some years of experience are preferred. Once the script is submitted by author, CDC identifies reviewers who review the draft script and edit it wherever required and finalize it after due iterations. If needed, the content is sent back to the author with reviewer's comments and is asked to incorporate the changes wherever required. After the updated content is received back from the author, it is again sent for reviewing. Once the content has been reviewed and locked by the reviewer, it is submitted to the concerned CDC for approval. CDC checks for the technical correctness of the content and also checks if the content is as per the format laid down by the UGC. If satisfied, it is approved otherwise it can again be sent back to author for further improvement and value additions. The content approved by the CDC is then placed for approval of the concerned BOS. The content approved from BOS is then approved from the Academic Council. The proceedings of Academic Council are finally approved by the highest governing body of the university, i.e., Board of Governors (BOG).

File Description	Document
Any additional information	<a href="#">View Document</a>
Policy document on SLM	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**2.3.5 Average percentage of the learning material of the DDE is digitized and the SLMs uploaded on the website / Online Repository / e-content app / LMS for their availability to the learners over the last five years**

**Response:** 60

**2.3.5.1 Number of learning material of the DDE digitized and the SLMs uploaded on the website / Online Repository / e-content app / LMS for their availability to the learners year - wise over the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
6	0	0	9	9

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Digital repository of SLMs at DDE	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**2.3.6 Mechanism to provide academic counselling support at DDE** A mechanism is in place at DDE to provide academic counselling support to learners enrolled in different programs including strategies for learner participation and engagement as well as development of required competencies and skills

**Response:**

For providing academic counselling support to the prospective and enrolled students of DDE, the university has set up its Study centres in its constituent campuses and affiliated colleges. These study centres provide all type of support to students in terms of academic counselling, infrastructure for attending PCPs successfully, examination related requirements etc. PCPs are conducted at various study centres established by the university and as per the choice of students. In lab subjects, the experiments as per the syllabus are given to the student and PCPs are conducted for the same. Study centres provide full support to the students through their faculty and infrastructure, for performing these experiments. A student is required to implement these experiments and prepare a file of the same. In case, the syllabus does not clearly mention the list of the experiments, then the same is provided to the students by the faculty of study centre. The performance evaluation of the student for practical subjects is based on the file prepared, experiments done and the viva voce based on the practical file. The internal viva is generally held on the last day of the PCPs as per the examination calendar issued by the university along with the end term examinations and it is compulsory for the students to attend the same. Seminars and Projects are also the part of curriculum of DDE programmes and standard format is provided to the students for preparation of the reports. Proper demonstration of the projects is also taken. It is mandatory for the student to submit the project and the project file. The internal assessment is based on the report, viva and demonstration of the project which is done generally at the end of the semester. Recognised study centres of the university provide full support to the students in above mentioned academic and examination related activities.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for schedules of different counselling activities	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

**2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years****Response:** 38.81

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.2 Average percentage of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. year-wise during the last five years****Response:** 79.25**2.4.2.1 Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
77	78	70	64	45

File Description	Document
List of number of full time teachers with Ph D/D M/M Ch/D N B Superspeciality/DSc/D Lit and number of full time teachers for 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)****Response:** 5.5**2.4.3.1 Total experience of full-time teachers**

Response: 451.12



File Description	Document
List of Teachers including their PAN, designation, dept and experience details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

#### 2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the last five years

**Response:** 204.71

##### 2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
2	2	4	3	3

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters (scanned or soft copy)	<a href="#">View Document</a>

#### 2.4.5 Average percentage of the sanctioned posts occupied by full time teachers and other academics respectively at DDE over the last five years

**Response:**

##### 2.4.5.1 Number of the sanctioned posts occupied by full-time teachers and other academics respectively at DDE year wise during the last five years

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

##### 2.4.5.2 Number of sanctioned posts in DDE

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

File Description	Document
List of the faculty members authenticated by the Registrar of the University	<a href="#">View Document</a>
Details of full time teachers and other academics As per Data Template	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

#### **2.4.6 Percentage of empanelled Academic Counsellors at DDE having more than five years of teaching experience for the preceding academic year**

**Response:** 0

##### **2.4.6.1 Number of empanelled Academic Counsellors having more than five years of teaching experience for the preceding academic year.**

##### **2.4.6.2 Number of academic counsellors for the preceding academic year in DDE**

File Description	Document
List of Academic Counsellors with details of total teaching experience for the preceding academic year (As per data template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## **2.5 Evaluation Process and Reforms**

#### **2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years**

**Response:** 30.2

##### **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 last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
21	17	28	44	41

File Description	Document
List of Programmes and date of last semester and date of declaration of results	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

**Response:** 0

#### 2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years

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

File Description	Document
Any additional information	<a href="#">View Document</a>

### 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

**Response:**

The whole process of IT integration and reforms in examination procedures and processes includes the following initiatives:

#### Under Web-based Online Module

1. Creation of Logins of new students and continuation of old Logins
2. Online submission of Examination Forms of regular and reappear students
3. Issuing of online Admit Cards as per University format
4. Creation of Examination Centres
5. Creation of Logins for Superintendents, Observers and Flying Squads
6. Online submission of Daily Report by Superintendents, Observers and Flying Squads
7. Online submission of Absentees, Detained students, and 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 regular & reappear students and printing reports as per

University Format

13. Online Re-evaluation Forms

14. Assignment / work related to the above initiative is done as per requirements of Examination branch

15. Delivery of letters, results and other documents to students, Faculty Members and Institutes through their logins.

### **Offline Module**

**EDP cell requires the following facility in system for compilation and process of results:**

- Master Scheme of Branch, Semester and Subjects
- Creation of Schemes as per Board/University Norms

### **Regular Results**

- Facility of filling of Examination form, from the online data by importing data to excel files
- Importing of Data of Examination forms with excel files
- Uploading of absentees, UMC and Detainees by importing in excel files
- Uploading of external theory awards by importing with excel files
- Facility of pending awards by exporting in excels files
- Facility to control/upheld of UMC results as per UMC regulations of the university
- Auto facility of award of normal and ad-hoc grace marks as per norms of the University
- Dropping facility in the system for ineligible students
- Compilation of final results as per regulation of the University
- Exporting of results for uploading of results on University's website
- Facility of revision of results is required in system for pending and revised results

### **Re-appear Results**

The facility available for filling of Re-appear forms and declaration of re-appear results is as same as for filling of regular examination forms and declaration of regular results.

### **Merit List**

Facility of Merit lists is available after complete declaration of results based upon data of examination forms.

**Student's Ledger**

Facility of student's ledger which includes basic information, result of each semester/examination in which a student appeared.

**Mapping of Subject Code**

Implementation of mapping code of all subjects for the compatibility of web-based Module and offline Module of EDP Cell.

**Awards Bank**

Implementation of declaration of result through Awards bank in offline Module of EDP Cell.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

**Response:** 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	<a href="#">View Document</a>
Current Manual of examination automation system	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual reports of examination including the present status of automation	<a href="#">View Document</a>

**2.5.5 Formative Assessment procedures at DDE Standard Operating Procedures employed for continuous (internal) assessment followed by the DDE****Response:**

The Internal Assessment of Theory subjects of students of Open and Distance Education is based upon assignments submitted by the students from time to time. These assignments are prepared by the faculty of the university. Generally, the assignment is kept as per the format of the End term examination from the preceding years. These assignments are based on the content provided to the students and are submitted by

them in the middle of the semester generally after the conduct of the Personal Contact Program (PCP). Students through these assignments are motivated to go through the self-learning material and other content provided to them. Assignments submitted by the students are evaluated at the study centres. The marks obtained in the assignments are directly considered for internal assessment of the students. Faculty gives feedback to the students regarding their performance in the assignments.

For practical subjects, experiments are given to the students as per the syllabus and PCP is also conducted for the same. PCPs are conducted at various study centres established by the university and as per the choice of students. Study centres provide full support in terms of infrastructure to the students. Student is required to perform these experiments and prepare a file of the same. These experiments are based on the syllabus and in case the syllabus does not clearly mention the same, then a list of experiments is provided to the students by the faculty of study centre. The performance evaluation of the student for practical subjects is based on the file prepared, experiments done and the viva-voce based on the practical file. The internal viva is generally held on the last day of the PCP and it is compulsory for the students to attend the same. External viva-voce is conducted as per the examination calendar issued by the university along with the End term examinations. Seminars, Viva-voce and Projects are also carried out. Standard format is provided to the students for the preparation of reports and proper demonstration of the projects is also taken. These activities are also made an integral part of Personal Contact Programs. It is mandatory for the student to submit the project and the project file. The internal assessment is based on the report, viva-voce and demonstration of the project. The assessment is done generally at the end of the semester.

Formative Assessment procedures at DDE at following link <https://odl.ptu.ac.in/evaluationpolicy.php>

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Policy documents on Evaluation Methodology of DDE	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 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**

### Response:

All of the institution's educational programmes have been redesigned 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 Specific Outcomes (PSOs), and Course Outcomes (COs) of all the courses are prepared through a process of rigorous discussion of all faculty members, BOS experts and stakeholders, in strict accordance with the principle of Outcome Based Education (OBE). Once, an agreement on POs, PSOs and COs has been reached, it is extensively disseminated and publicized via various methods such as display

and/or communication.

- Website
- Curriculum / regulations books
- Class rooms
- Department Notice Boards
- Laboratories
- Student Induction Programs
- Meetings / Interactions with employers
- Faculty meetings
- Alumni meetings
- Professional Body meetings
- Library

The HOD educates the pupils about POs, PSOs, and COs while addressing to them. Faculty members, program coordinators, course coordinators, and mentors also enlighten students about the learning outcomes of various courses and the importance of achieving them.

Programme Specific Outcomes (PSOs) are precise skill requirements and accomplishments that students must meet at the micro level and by the completion of the programme.

Program Outcomes (POs) are broad statements that summarise professional accomplishments that the programme aspires to achieve and that the students must achieve.

Course outcomes (COs) are direct statements that explain the essential and persistent discipline knowledge, talents, and dimensions of learning that students should acquire following course completion. These learning outcomes may be generic or program-specific and address the expected learning as a result of the course.

1. The syllabus is made available in the university library for record-keeping and distribution as well as available in the departments for ready reference.
2. At the start of each course / subject, learning outcomes of the program / subject / discipline are briefed to the students and at the end of the course; these learning outcomes are thoroughly discussed.
3. The program / course curriculum are designed taking into account all POs and CO to satisfy learning outcomes and are made public on the university website, which is accessible to all stakeholders, including students, staff, the university, and alumni.
4. For easy distribution over the network, a soft copy of the curriculum and learning outcomes of the

course/program is made available through various modes.

File Description	Document
Upload COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

### 2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution

#### Response:

As per University guidelines, 40% marks in each course are awarded through internal assessment and 60% marks through external end-semester examination. The University further stipulates that internal assessment be based on attendance (15%), class test (60%) and assignments or presentations (25%). As a result of these rules, faculty members assess students constantly, giving them opportunities to improve their performance. For the attainment of Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs), the departments use several instructional approaches. Industrial Training, Projects, Camps, and other activities are used by the university to assess programme specific results as well as course outcomes. Attainment of course outcomes is evaluated by using direct and indirect methods. Internal assessment, semester examinations, assignments, seminars, laboratory assignments / practicals, projects, and other direct techniques are used to evaluate students' knowledge and abilities. These strategies give significant proof of student learning by providing a sample of what students know and/or can do. Indirect methods such as alumni survey and examiner's feedback are also used to reflect on students' learning. Attainment of each CO through external and internal examination is calculated by multiplying the percentage of questions asked in the respective exam, examination marks weightage, and class average in the same examination. The course outcomes for all courses are mapped with defined POs and PSOs. The project is meant to test students' intellectual and inventive ability. It allows students to synthesize and apply their knowledge and analytical abilities from several courses. For project evaluation, both internal and external evaluation is done to judge the student on the basis of different parameters. Results declared by the University at the end of each semester are thoroughly analyzed in academic audits of departments and Staff Council meetings. The Campus promotes the faculty to update themselves with latest development in computing and their field of research for benefits of the students. Faculty members organize and attend workshops, seminars and conferences etc. to enhance their knowledge. The assignments / tutorial sheets are provided to students and following which they visit the Knowledge Resource Centre and refers text / reference books to find out the answers and understand the expected outcome of the given problem. The online students' feedback system provides information pertaining to the relevance of the course, availability of the course material, and significance of course in terms of employability and so on which are pertinent questions and which help the University measure its learning outcomes. Keeping the nature of different courses in mind, presentations, group-discussions, case-study, experiments, plays, role-plays, simulations, demonstration, laboratory work, seminar, workshop, project, games, debate, quiz, regular assignments and viva-voice, are appropriately used for assessing the qualitative performance and analytical capabilities of learners.



File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

### 2.6.3 Pass Percentage of students(Data for the latest completed academic year)

**Response:** 67.26

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

Response: 263

#### 2.6.3.2 Total number of final year students who appeared for the examination conducted by the Institution.

Response: 391

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for the annual report	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

### 2.7.1 Online student satisfaction survey regarding teaching learning process

**Response:** 3.16

File Description	Document
Upload database of all currently enrolled students	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>

### 2.7.2 Online Learner Satisfaction Survey regarding teaching-learning process .(For Distance learners)

**Response:** 121

## Criterion 3 - Research, Innovations and Extension

### 3.1 Promotion of Research and Facilities

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

**Response:**

The act of the university mandates it to conduct innovative research. So, to foster the ecosystem of innovative research within the faculty and scholars, University has framed Research Policy. The purpose of the research policy is to develop an ecosystem of research within which faculty and scholars carry out their research for the advancement of their knowledge. It also envisages the comprehensive framework for the development and implementation of all research programs at IKGPTU. The research activities at IKGPTU will include the research work of direct relevance to IKGPTU, society, the projects of Government (State & Central), industry and commerce etc. The research would be strengthened through national and international collaborations under the ambit of Government rules. Following are the objectives of our research policy:

- To instil the research culture among students, scholars, faculty for establishing our institution a premiere place of learning and research environment
- To conduct research activities for the development of research infrastructure of the institute, including laboratories and equipment
- To establish research centres as the Centre of Excellence
- To earn patents from the research output

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View Document</a>
URL of Policy document on promotion of research uploaded on website	<a href="#">View Document</a>

**3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)**

**Response: 0**

**3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).**

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

File Description	Document
Minutes of the relevant bodies of the University	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.1.3 Percentage of teachers receiving national / international fellowship / financial support by various agencies for advanced studies / research during the last five years.

Response: 0.95

#### 3.1.3.1 The number of teachers who received national / international fellowship / financial support by various agencies for advanced studies / research year-wise during the last five years.

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

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the award letters of the teachers	<a href="#">View Document</a>

### 3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years.

Response: 77

#### 3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
14	9	15	18	21

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.1.5 Institution has the following facilities to support research

1. Central Instrumentation Centre
2. Animal House/Green House
3. Museum
4. Media laboratory/Studios
5. Business Lab
6. Research/Statistical Databases
7. Mootcourt
8. Theatre
9. Art Gallery
10. Any other facility to support research

**Response:** B. 3 of the above

File Description	Document
Upload the list of facilities provided by the university and their year of establishment	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link of videos and geotagged photographs	<a href="#">View Document</a>

### 3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)

**Response:** 0

#### 3.1.6.1 The Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by national and international agencies.

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-version of departmental recognition award letters	<a href="#">View Document</a>

## 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 last five years (INR in Lakhs).**

**Response: 0**

**3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs).**

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

**File Description**

**Document**

e-copies of the grant award letters for research projects sponsored by non-government

[View Document](#)

**3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs).**

**Response: 125.45**

**3.2.2.1 Total Grants for research projects sponsored by the government agencies year-wise during the last five years (INR in Lakhs).**

2020-21	2019-20	2018-19	2017-18	2016-17
41.32	31.12	18.91	6.75	27.35

**File Description**

**Document**

e-copies of the grant award letters for research projects sponsored by government

[View Document](#)

**3.2.3 Number of research projects per teacher funded by government and non-government agencies during the last five years**

**Response: 0.09**

**3.2.3.1 Number of research projects funded by government and non-government agencies during the last five years.**

Response: 8

**3.2.3.2 Number of full time teachers worked in the institution year-wise during the last five years..**

Response: 423	
File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste Link for the funding agency website	<a href="#">View Document</a>

### 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.

##### Response:

IKGPTU has started a Business Incubation Centre and Institutes Innovation Council under MHRD's Innovation Cell to facilitate start-ups in IT & other sectors by providing relevant ecosystem. It enables its students to have hands on experience in promoting Innovation driven activities at the University and provide a comprehensive and integrated range of support including space, mentoring, entrepreneurship awareness camps, business plan competitions, networking and an array of other benefits. Through the Business Incubation Centre, students gain practical experience in innovation while being nurtured and encouraged by Faculty and Industry experts. The University aims to be the hub of innovative ventures in IT, social, educational, business and other domains.

Further the students and faculty are availing the following facilities within the campus to carry out their innovation activities such as;

- Wi-Fi throughout the campus.
- Internet facility is available to students and staff.
- Tata Innovation lab Computing facility and adequate licensed software are also available.
- Auditorium with state of art infrastructure available to conduct seminars, workshops, Entrepreneurial talks and motivational talks.

##### Innovative Programmes under Incubation Centre

University has created an ecosystem for its students to explore their new ideas and sharing of knowledge with other likeminded stakeholders. University has established Entrepreneurship Cell in all its departments so that the creative ideas of students have an appropriate exposure and support (*Office order attached as Annexure – A*).

**IKGPTU has created a network for Innovation by following programs/activities:**

##### TIE-IKGPTU Industry Academia Collaboration Agreement

IKGPTU inked "Industry Academia Collaboration Agreement" with The Indus Entrepreneurs (TIE Chandigarh) to promote innovation & entrepreneurial culture in the University campus & its affiliated colleges. Under this collaboration University organises Business Plan Competition annually in which

winners are awarded prizes up to 1.25 lakh. Also, Entrepreneurship Awareness Camps are organised. *(Details attached as Annexure – B)*

### Entrepreneurship Week

A one-week event “E-Week” is organised annually at university campus to hone the cognitive skills of students. During this week, two competitions viz “Business Plan Competition” and “Rs.200/Rs. 500 Venture” are conducted. Along with interactive sessions with entrepreneurs and IPR Experts are organized simultaneously *(Details attached as Annexure – D)*

### Intellectual Property Rights (IPR)

IKGPTU regularly organize workshops/ seminars on Intellectual Property Rights (IPR) in collaboration with Punjab State Council for Science and Technology (PSCST), Chandigarh at the University main campus. These workshops aim to make the faculty & students aware about the IPR. *(Details attached as Annexure – E)*

### Short Term Training Programme in Collaboration with NITTTR-Chandigarh

University has organized a one-week short term training programme (STTP) on “**Fostering Creativity and Innovation in Entrepreneurship**” for E cell coordinators and faculty, with an objective to impart knowledge among participants on setting up of creative & innovative management of Entrepreneurship Development Cells so that they are better equipped to further motivate and guide their students on entrepreneurship. *(Details attached as Annexure – F)*

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.

**Response:** 26

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	10	10	3	3

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 3.3.3 Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.

**Response:** 32

#### 3.3.3.1 Total number of awards / recognitions received for *research* / innovations won by institution / teachers / research scholars / students year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
7	8	7	7	3

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e- copies of award letters	<a href="#">View Document</a>

### 3.3.4 Workshops / seminars conducted by DDE on ODL practices

**Response:** 0

#### 3.3.4.1 Total number of workshops / seminars conducted by DDE year - wise over the last five years on:

- *Self learning material development*
- *Learner Support services and academic counseling*
- *Intellectual Property Rights (IPR);*
- *Open Educational Resources (OERs);*
- *Massive Open Online Courses (MOOCs);*
- *Technology-Enabled Learning;*
- *Learning Management System;*
- *Development of e-content and*
- *Other innovative technologies*

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



File Description	Document
List of workshops/seminars over the last five years	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 3.3.5 Innovative content developed at DDE

**Response:** 0

3.3.5.1 Number of innovative content developed at DDE in the form of e-modules / e-SLMs / MOOCs for :

- NMEICT
- NPTEL
- SWAYAM
- e-PG Pathshala
- e-SLMs
- other MOOCs platform
- Institutional LMS

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

File Description	Document
Institutional data in prescribe format	<a href="#">View Document</a>

### 3.4 Research Publications and Awards

**3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee**

**Response:** A. All of the above

File Description	Document
Code of ethics for Research document, Research Advisory committee and ethics committee constitution and list of members on these committees, software used for Plagiarism check, link to Website	<a href="#">View Document</a>

**3.4.2 The institution provides incentives to teachers who receive state, national and international recognitions/awards** 1. Commendation and monetary incentive at a University function  
2. Commendation and medal at a University function 3. Certificate of honor 4. Announcement in the Newsletter / website

**Response:** D. 1 of the above

File Description	Document
e- copies of the letters of awards	<a href="#">View Document</a>

**3.4.3 Number of Patents published / awarded during the last five years.**

**Response:** 6

**3.4.3.1 Total number of Patents published / awarded year-wise during the last five years.**

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

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.4 Number of Ph.D's awarded per teacher during the last five years.**

**Response:** 1.42

**3.4.4.1 How many Ph.D's are awarded within last five years.**

**Response:** 109

**3.4.4.2 Number of teachers recognized as guides during the last five years**

**Response:** 77

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL to the research page on HEI web site	<a href="#">View Document</a>

**3.4.5 Number of research papers per teachers in the Journals notified on UGC website during the**

**last five years**

**Response: 7.74**

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

2020-21	2019-20	2018-19	2017-18	2016-17
235	133	122	97	68

**File Description**

**Document**

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

**3.4.6 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**

**Response: 3.14**

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

2020-21	2019-20	2018-19	2017-18	2016-17
78	41	53	58	36

**File Description**

**Document**

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

**3.4.7 E-content is developed by teachers :**

- 1. For e-PG-Pathshala**
- 2. For CEC (Under Graduate)**
- 3. For SWAYAM**
- 4. For other MOOCs platform**
- 5. Any other Government Initiatives**
- 6. For Institutional LMS**

**Response: D. Any 2 of the above**

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Give links or upload document of e-content developed	<a href="#">View Document</a>

### 3.4.8 Bibliometrics of the publications during the last five years based on average Citation Index in Scopus / Web of Science / PubMed

Response: 6.11

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 3.4.9 Bibliometrics of the publications during the last five years based on Scopus / Web of Science – h-Index of the institution.

Response: 39.5

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 3.4.10 Number of books, chapters in books, articles and research papers in journals in the area of Distance Education published by teachers and other academics of the Institution

Response: 0

#### 3.4.10.1 Number of publications on distance education over the last five years

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

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

## 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.

#### Response:

IKGPTU has framed Research & Industrial Consultancy Policy, which is part of its Regulations. It will cover the following:

1. Research Projects
2. Consultancy projects
3. Sharing of Income and Utilization of DDF

The Research & Industrial Consultancy Policy has been framed with an objective to encourage its scholars, academicians and faculty to undertake sponsored research projects for extending benefit of their research

- towards institutional growth
- to the corporates/institutions/agencies working in their domain of their specialization
- towards the economic growth of State as well as Country

File Description	Document
Upload soft copy of the Consultancy Policy	<a href="#">View Document</a>
Upload minutes of the Governing Council/ Syndicate/Board of Management related to consultancy policy	<a href="#">View Document</a>
Paste URL of the consultancy policy document	<a href="#">View Document</a>

### 3.5.2 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

Response: 0

#### 3.5.2.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).

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

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 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 last five years.

##### Response:

International Resource Centre for Universal Human Values & Ethics (IRC-UHVE) has promoted many extension activities through the IKGPTU students' field work and projects in last five years. Such extension activities included exploring holistic approach of living through natural farming (2 acres model), holistic technologies in a dairy farming, paddy exchange storage system in village economy, manufacturing of low-cost cow dung based eco-friendly insulating coating and yoga based integral health care model and harnessing the flow energy of water using water wheel etc. Some extension activities were also undertaken for evaluation of the techniques of watershed and developing a model for draught prone areas. Another noticeable area covered under this domain was the work done on evolving a holistic mess system for community kitchens.

Further the IRC-UHVE developed a unique model for its campus students under which the students had to undertake physical labour in the campus/ neighborhood area for one hour daily. This included cleaning and upkeep of classroom, library, pantry area and surrounding areas of the university. The conduct of such activities had dual benefits. The selected areas/communities were benefitted with direct physical intervention by university students. Also, our students got properly sensitized for social issues and holistic development.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 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 last five years

Response: 0

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

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

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>

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

**Response:** 20

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

2020-21	2019-20	2018-19	2017-18	2016-17
1	4	6	3	6

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years

**Response:** 24.15

#### 3.6.4.1 Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
50	305	555	265	361

File Description	Document
Report of the event	<a href="#">View Document</a>

## 3.7 Collaboration

**3.7.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year****Response:** 1.8**3.7.1.1 Total number of Collaborative activities with other institutions / research establishment / industry for research and academic development of faculty and students year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
2	3	2	0	2

**File Description****Document**

Institutional data in prescribed format

[View Document](#)

Copies of collaboration

[View Document](#)**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 last five years.****Response:** 50**3.7.2.1 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 year-wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
10	6	10	14	10

**File Description****Document**

Institutional data in prescribed format

[View Document](#)

e-copies of the MoUs with institution/ industry

[View Document](#)



## Criterion 4 - 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.**

**Response:**

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. Likewise the department of Civil Engineering has well-equipped labs with state of art infrastructure having Digital triaxial facilities, Digital consolidation apparatus, Automatic compactor etc., are a few of the specialized equipments which are beneficial for students to carry out research successfully. In today's world, simulation and analysis play a vital role therefore, Computer Lab has updated 25 workstations with Stand Pro and AutoCAD software installed in all the systems. In the Department of Journalism, the Language Lab of the Department has 31 Computers that have specifically dedicated language software, with headphone facilities that serve as a tool for the students to enhance their communication skills in a much advanced technologically conducive environment. The Audio-Video Lab of the Department has fully dedicated 11 computers for the Media students which have the latest configurations and LAN Internet facilities. The media lab of the department is used for providing the practical exposure to hone their skills according to the latest industrial standards.

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. The laboratories are equipped with the latest instruments and updated technologies for enabling budding engineers to practically understand the fundamentals of the theory through numerous experiments. Utilities to facilitate smooth and effective teaching-learning process include safe drinking water, hygienic restrooms, and power generators.

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 (CIIT), 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	Document
Paste link for additional information	<a href="#">View Document</a>

**4.1.2 The institution has adequate facilities for cultural activities, yoga, games and sports (indoor &**

outdoor); (gymnasium, yoga centre, auditorium, etc.,)

**Response:**

IK Gujral Punjab Technical University has State- of- the- Art infrastructure for the successful conduct of activities. Some of the facilities include:

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

The details of these facilities are given below:

**Sri Guru Nanak Dev Ji Auditorium**

The Auditorium namely Sri Guru Nanak Dev Ji Auditorium is the Centre of attraction for the visitors. The auditorium has been named after Sri Guru Nanak Dev Ji to commemorate the 550th Birthday Celebrations of Guru Nanak Dev Ji in the year 2019. This auditorium is having capacity of 800 seats. It is developed with an estimated investment cost of Rs. 20.0 Crore.

**Seminar Halls for Academic and Cultural activities**

The University has also two seminar halls for effective organization of academic and cultural activities. The air-conditioned seating capacity of each seminar hall is 120 and 150 respectively. These seminar halls are fully equipped with state-of-the-art infrastructure to facilitate the smooth conduct of various academic and cultural events.

**Open Air Stages/Theatre**

The university has also the facility of two open air theatres/ stages for cultural and other student related activities. The approximate seating capacity of each open-air theatres is 300.

**Outdoor Sports Facilities Available in Main Campus of IKGPTU**

• **Basketball Ground**

There are three basketball courts- one is normal court and two are synthetic courts. The area of ground is 19mx32m and these grounds were established in 2018-19.

• **Badminton Court**

There are three badminton courts- one is normal court and two are synthetic courts. The area of ground is 20'x44' and these grounds were established in 2018-19.

• **Volleyball Court**

There are two volleyball courts and the area of ground is 18mx9m and these grounds were established in 2018-19.

- **Lawn-Tennis**

There are two Lawn-Tennis Synthetic courts and the area of ground is 9mx18m and these grounds were established in 2018-19.

- **Athletic Ground**

There is one Athletic Normal Ground and the area of ground is 400m and the ground was established in 2018-19. This ground is also used for **Football, Hockey and Cricket**.

- **Open Gym**

There are two Open Gyms which have been established on both sides of Boys' and Girls' Hostels. These gyms were established in 2018-19.

#### **Indoor Sports Facilities Available in Main Campus of IKGPTU**

- **Table-Tennis Halls**

There are two halls for Table-Tennis tournament which are established in Men and Women Hostels. These halls are also used for **Carrom Board** and **Chess Tournaments**.

- **Gym with latest equipment** There is one indoor gym with latest equipment and it is established in 2018-19.

#### **The construction of the following is under process:**

- Multipurpose Sports Complex
- World-class Indoor Stadium
- Indoor Swimming Pool
- Tennis Court

<b>File Description</b>	<b>Document</b>
Geotagged pictures	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### **4.1.3 Availability of general campus facilities and overall ambience**

##### **Response:**

I K Gujral Punjab Technical University (IKGPTU) main campus is at Jalandhar-Kapurthala Road, Kapurthala and is spread in 78 acres area of land. The campus has been developed as a green campus and a large number of trees have been planted all-round the campus. Campus has adequate parking spaces separately for staff and visitors. 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. This building is centrally air-conditioned and all administrative works are being operated from this building.

**Academic Area**

The campus is having three academic blocks which are air-conditioned with covered area of 3.54lacs Sq. ft. All classrooms, laboratories and academic related facilities are available in these buildings.

**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 and two seminar halls with seating capacity of 145seats and 120 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 the following sports facilities:

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

The construction of Indoor stadium and Outdoor stadium is in progress.

**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	Document
Paste link for additional information	<a href="#">View Document</a>

**4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)****Response:** 88.55**4.1.4.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
1309.27	7167.57	4461.11	1681.51	6929.16

File Description	Document
Upload audited utilization statements	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

**4.1.5 Average percentage of expenditure incurred for infrastructure augmentation of DDE (INR in Lakhs)****Response:** 0.92**4.1.5.1 Expenditure incurred for infrastructure augmentation against total expenditure excluding salary year - wise over the last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
0.28	0.079	1.7	0.22	1.97

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Budget allocation for infrastructure of DDE	<a href="#">View Document</a>
Audited utilization statements of DDE	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

**4.1.6 Average percentage of the expenditure incurred on maintenance of physical facilities and academic support facilities of DDE (INR in lakhs)**

**Response:** 67.52

**4.1.6.1 Expenditure incurred on maintenance of physical facilities and academic support facilities of DDE and total expenditure excluding salary, year - wise, over the last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
15.05	48.89	56.51	101.42	95.59

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Budget and Statements of Expenditure of DDE	<a href="#">View Document</a>
Audited statements of accounts of DDE	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

**4.1.7 Academic counselling sessions held at DDE Regular conduct of academic counselling sessions (for theory and practical courses) at DDE during the preceding academic year**

**Response:**

The Regular conduct of academic counseling session (for theory and practical courses) at DDE during the preceding year.

All Academic Sessions are conducted on the basis of SLM which are developed by the CDC (Content development committee) by following the process as under:-

Each stream has a content development committee (CDC) headed by the faculty of IKGPTU and is also member of the concerned BOS. Stream coordinator is the chairman of the concerned stream. Under each stream coordinator there are Subject Coordinators from IKGPTU and further down the line there are subject experts. These subject experts can be either from the university itself or can be from reputed institutes either affiliated to the university or from other universities. Industry experts can also be considered for the position of subject experts. First step in SLM development is approval of the Master plan of SLM development that includes activities like segmentation/ delimitation of syllabus into units and lessons. After that CDC will identify authors for script writing. Authors with experience are preferred. Once the script is submitted by author, CDC identifies reviewers who review the draft script and edit it wherever required and finalize it after due iterations. If needed the content is sent back to the author with reviewer comments and is asked to incorporate the changes wherever required. After the updated content is received back from the author, it is again sent for reviewing. Once the content has been reviewed and locked by the reviewer, it is sent for the approval of the CDC. CDC checks for the technical correctness of the content and also checks if the content is as per the format laid down by the UGC. If

satisfied, it is approved otherwise it can again be sent back for further improvement. The Content approved by the CDC is then placed for approval of the concerned BOS. The content approved from BOS is then approved from the Academic Council. The proceedings of Academic Council are finally approved by the highest governing body of the university, i.e BOG.

Regular conduct of academic counselling session (for theory and practical courses) at DDE is based on internal assessment of theory subjects of students. The internal assessment depends upon the assignments submitted by the students from time to time. These assignments are prepared by the faculty of the university. The assignment in general is kept as per the format of the end term examination from the preceding years. These assignments are based on the material provided to the student and are submitted by them in the middle of the session generally after the conduct of the personal contact program. The Students through these assignments are motivated to go through the Self learning material and other material provided to them. The marks obtained in the assignments are directly considered for the internal assessment of the student. Feedback is also given to the students regarding their performance in the assignments. Assignment submitted by the students is evaluated at the study centres.

File Description	Document
Any additional information	<a href="#">View Document</a>
Records of Counselling sessions at DDE	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>
Expenditure incurred on counselling sessions at DDE	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

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

#### Response:

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. This integrated library management software package is designed and developed by LIBSYS Ltd., a New Delhi based Software Company. 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. The implementation and other requirement are described in detail as follow:

**Name of the ILMS software:** LIBSYS (Web Centric LSEase EJB Software)

**Nature of automation** (fully or partially): Fully

**Version:** 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. In addition to this, circulation modules for issue and return of books to the readers have been initiated with this software.
- OPAC/ Web OPAC offers variety of search facility to the user's to know about library collection and its availability. User can get online bibliographic information about the Books, Journals etc without physically visiting to the Knowledge resource Centre through the Web OPAC.
- The Knowledge Resource Centre has enhanced the security features and is using the Radio-Frequency Identification System LSMART (RFID). This RFID technology has improved circulation and inventory control, best tracking for misplaced books and security/ issues.
- 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 has Mobile Application facility for accessing e- Resources.
- Knowledge Resource Centre also has the Open Athens Remote Access Facility.
- Knowledge Resource Centre also has the CCTV surveillance mechanisms.
- Knowledge Resource Centre also has Kindle devices for eBooks reading.

File Description	Document
Paste link for additional information	<a href="#">View Document</a>

**4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources**

**Response:** A. Any 4 or more of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

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

**Response:** 168.27

**4.2.3.1 Annual expenditure for the purchase of books and journals including e-journals year-wise during last five years (INR in Lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
22.92	237.84	189.87	317.83	72.89



File Description	Document
Audited statements of accounts	<a href="#">View Document</a>

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

**Response:** 1.16

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

Response: 27

File Description	Document
Details of library usage by teachers and students (Library accession register, online accession details to be provided as supporting documents)	<a href="#">View Document</a>

### 4.3 IT Infrastructure

#### 4.3.1 Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic year)

**Response:** 52.94

##### 4.3.1.1 Number of classrooms and seminar halls with ICT facilities

Response: 54

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:**

Salient features of the IT Policy and its process of implementation and adherence to the policy, budgetary provisions made and utilized along with the expansion plan are as follows:

**The IT policy includes 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 softwares
- Green Computing Practices (e-office)
- Disposal of obsolete or unusable IT Infrastructure
- Access control and usage of IT Infrastructure
- Risk Management of IT Infrastructure
- Computer Centre Committee
- e-Content development and Management
- Violations of IT Policy

### **Budgetary Provision:**

Budgetary provision of Rs. 6.40 crores has been provided for Networking, Internet and Wi-Fi facility for the Main campus and its constituent campuses.

### **IT facilities including Wi-Fi facility:**

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

- A desktop, Printer, Scanner, Laptop (as per the requirement)
- All administrative works are carried out using Wi-Fi
- LAN connection to all Academics as well as Administration Departments.
- Teaching departments have well established Computer Labs with all required softwares as per their syllabi.
- There are approximately 700 computers in various Labs in all the departments.

University has also a well-equipped Computer Centre with 130 computers (being expanded up to 300 computers) with Internet facilities.

<b>File Description</b>	<b>Document</b>
Paste link for additional information	<a href="#">View Document</a>

### **4.3.3 Student - Computer ratio (Data for the latest completed academic year)**

**Response:** 1:1

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Student – computer ratio	<a href="#">View Document</a>

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

**Response:** A. ?1 GBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

#### 4.3.5 Institution has the following Facilities for e-content development

1. Media centre
2. Audio visual centre
3. Lecture Capturing System(LCS)
4. Mixing equipments and softwares for editing

**Response:** C. 2 of the above

File Description	Document
Links of photographs	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

#### 4.3.6 Percentage of the rooms and seminar halls of the DDE with ICT enabled facilities (data as on date)

**Response:** 100

##### 4.3.6.1 Number of rooms and seminar halls of the DDE (cumulative) with ICT enabled facilities (data as on date)

Response: 16

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

## 4.4 Maintenance of Campus Infrastructure

#### 4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

**Response:** 52.14

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

2020-21	2019-20	2018-19	2017-18	2016-17
1339.53	2757.61	2362.49	2326.07	2795.85

File Description	Document
Link for additional information	<a href="#">View Document</a>

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

##### **Response:**

The campus of the University has an excellent academic environment with buildings constructed with construction technologies which are energy efficient, water conserving and sustainable. Maintenance and management of various physical, academic and support facilities is done through different departments and support staff including technical staff, plumbers, electricians, carpenters, mechanics etc. There are different departments for maintaining and utilizing the overall support mechanisms. The academic facilities are primary requirements of the students of the University. The University ensures optimal allocation and utilization of the available financial resources for maintenance and up keep of different facilities. System of procedures are well laid down for ensuring healthy practices both academic and administrative in the University with well-defined hierarchy of faculty, officers and staff.

##### **Procedures for maintaining and utilizing physical, academic and support facilities**

The **Department of Planning and External Program is functioning** to manage the International and Outreach and other collaborative programs. It is managing coordination of the University with various institutions/ Universities of national and international repute for Student Exchange programmes, Faculty Exchange programmes and for sharing of academic and research infrastructure. Academic and research collaborations are signed between IKGPTU and Universities around the globe for covering all the above said aspects.

##### **Knowledge Resource Centre**

The procurement of all learning resources, which are conducive to academics and research is coordinated by Knowledge Resource Centre. The Knowledge Resource Centre performs the tasks including procuring of new books as and when requirements are raised by academic departments, maintenance of records and addressing and redressing of issues and grievances, if any. It is mandatory to get 'no dues' from the library for students before exams based on the return of issued books. Experienced supporting staff looks after the efficient working of Knowledge Resource Centre at university main campus. They focus on the availability and utilization of instructional material in teaching and learning process. The library is open from 9.00 am to 5.00 pm for students and for staff on all working days.

##### **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. Every department maintains a stock register for the available equipment. Proper inspection and verification of stock is done annually by the audit team of the university. Proper maintenance and performance monitoring is carried out in all the departments that have start-of-art labs as per the course curriculum approved by IKGPTU Kapurthala.

### **Maintenance of laboratories**

The calibration, repairing and maintenance of all sophisticated lab equipment are done by the technicians of related owner enterprises. Experimental approximations carried out by engineering students to help them prepare for real-world applications and industry-based skills. Various departmental works are assigned to Technical Assistants. Research related software's are available in labs to perform research related work. Internet facility is available in the labs for the convenience and utility of students

### **Sports**

The Sports wing of IKGPTU looks after the sports facilities and the allied activities. It organizes sports competitions and athletic meet from time to time for the students and encourages them to participate in the various inter-college/university sports events. The equipments are purchased according to the requirement of the teams that practice for the Inter- College, State, National and other open tournaments.

### **Classrooms and Conference Halls**

Well-equipped Classrooms are allocated and utilized as per the respective timetable of the department. The classrooms are cleaned on daily basis. Moreover, the Conference halls are well equipped and have sufficient capacity for accommodation/ seating. It also has LCD projectors. Cleanliness of Conference hall is maintained on regular basis. Working condition of audio system, LCD projectors, etc. is done on regular basis. Security staff under a security supervisor has been employed to safeguard the whole premises and Fire extinguishers are installed on the University. There is a provision of clean drinking water. Water coolers are installed which are regularly cleaned.

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.

Office staff is responsible for maintenance of all the students' records such as admissions, examinations and results. Office staff works in harmony with university administration to provide help to the students with their issues if any.

### **Maintenance of Computers and IT related Infrastructure**

There is ITS Cell in the university to deal with the various matters related to technological implementation, updating and to look into matters related to sharing and uploading on University's website. It is a responsibility of ITS cell to upkeep and maintain all IT infrastructure including computers and surveillance cameras. The cell is functioning through a dedicated team of system administrators, technicians and instructors who are assigned with responsibility of repair and maintenance of equipments and computers.

### **Maintenance of Physical Infrastructure**

The maintenance department works under the guidance of Executive Engineer (Xen). It maintains the physical infrastructure of the University which includes both breakdown and preventive maintenance of facilities. All maintenance activities are tracked by a Log record which follows maintenance request-service-satisfaction and feedback cycle for all repairs and services undertaken. Periodical maintenance of utilities is carried out and the same is entered in the log book.

<b>File Description</b>	<b>Document</b>
Policy details of systems and procedures for maintenance and utilization of physical, academic and support facilities – laboratory, library, sports complex, computers, classrooms, etc.	<a href="#">View Document</a>

NVAAC

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

**5.1.1 Average percentage of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).**

**Response:** 18.54

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

2020-21	2019-20	2018-19	2017-18	2016-17
671	390	193	161	112

File Description	Document
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.2 Average percentage of students benefited by career counseling and guidance for competitive examinations as offered by the Institution during the last five years.**

**Response:** 31.09

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

2020-21	2019-20	2018-19	2017-18	2016-17
1238	698	708	0	45

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology**

**Response:** A. All of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.4 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies 2. Organisation wide awareness and undertakings on policies with zero tolerance 3. Mechanisms for submission of online/offline students' grievances 4. Timely redressal of the grievances through appropriate committees**

**Response:** A. All of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.5 Activities undertaken by DDE for providing pre-admission counseling services to prospective learners and induction of newly enrolled learners at DDE**

**Response:**

Logistic Support Centres have been set up by the University at selected affiliated colleges of the University across its territorial jurisdiction. These logistic support centres have been set up as per the guidelines of



UGC(DEB) and MoU has also been signed with them highlighting the support to be provided by them to the prospective learners. These logistic support centres have designated and qualified staff headed by the Centre Head who is responsible to provide all information and counselling regarding the pre-admission queries of the students. During the pre-admission counselling, a student gets a chance to see the study centre and also is guided about the curriculum and employability of each program that helps the student to select the right program for itself. Other than that, all relevant information including prospectus, admission procedure, fee structure etc., is also provided to the students on the website. Furthermore, helpline numbers for support have also been given on the website from where the student can get desired information. After admission, each logistic support centre guides the students of various academic activities related to the distance education program like conduct of PCP, submission of assignments & practical files, conduct of practical and end semester examination.

File Description	Document
Relevant information on activities undertaken at DDE	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### **5.1.6 The status and process of online admission including payment of fees at DDE**

##### **Response:**

The complete process of admission in DDE is done online through its website. University does not provide any mechanism for admission in offline mode directly at the university or at any of its logistic support centres. A student can either logon to that portal and take admission by uploading the relevant documents, or it can also take support of any of the designated logistic support centre of the university. All information about available programmes, eligibility and other details are available on the webportal and student can access all details by himself / herself or can take help of logistic support centre in the nearby area. Once the documents are uploaded, the student is required to submit the documents in original at the logistic support centre of his/her choice. The requisite fees is paid by the student at the University website. No direct fee in form of cash or DD is accepted from the student. Confirmation of the registration for admission and fee is provided immediately to the student. At the end of the admission process, the verification of the original documents is done by the university at all logistic support centres and eventually roll number is issued to the student.

File Description	Document
Online Admission and related activities at DDE	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### **5.1.7 Strategy followed by DDE for dispatch of study material to learners**

##### **Response:**

The University follows a well-designed Standard Operating Procedure (SOP) for development of its Self-Learning Material (SLM). This SOP is duly approved by the governing body of the university and is followed to develop high quality self-learning material. University provides self-learning material to the students via its online portal. It follows a quick delivery mechanism of the SLM by which its e-copy is delivered to the students immediately after the admission. Self-Learning Material of the university is available on its official web portal that can be accessed by any one free of cost. University believes that public should have access to the academic resources of the university.

An email is also sent to all the students at the time of admission/ re-admission containing all the SLMs of the university. SLMs are also available with the approved study centres of the university. In case of any difficulty, the student may visit the study centre of their choice and get the SLMs. University ensures that the distance education learners get direct access to the self-learning material at the earliest so as to enable them to start with the learning process before the PCP are held during which they can clear their doubts.

File Description	Document
Material dispatch related activities at DDE	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**5.1.8 Modes employed by DDE to attend to learners' queries Enlist the approaches given below, used by the DDE to attend to learners' queries:**

1. Automated interactive voice response system
2. Call centre
3. Online Help Desk
4. Social media
5. App based support
6. Chat Box
7. E-mail Support
8. Interactive radio counselling
9. Teleconferencing
10. Web-conferencing
11. Student Services Centre/ Inquiry Counter
12. Postal communication

**Response:** D. Any 1-3 of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Web-link to Online Help Desk, App based support, Chat Box, Interactive radio counselling, Web-conferencing, Student Services Centre, any other at DDE	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.9 Average percentage of grievances received at DDE and redressed over the last five years****Response:** 100**5.1.9.1 Number of grievances redressed at DDE year-wise over the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
2	7	1	6	12

**5.1.9.2 Number of grievances received at DDE year-wise over the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
2	7	1	6	12

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Web link to Grievance Redressal Mechanism Committee for learners at DDE	<a href="#">View Document</a>

**5.2 Student Progression****5.2.1 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)****Response:** 36.03**5.2.1.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	0	0	4

**5.2.1.2 Number of students appearing in state/ national/ international level examinations (eg:**

**IIT/JAM/ NET / SLET/ GATE/ GMAT/CAT,GRE/ TOEFL/ Civil Services/ State government examinations) year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
13	12	10	0	4

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.2.2 Average percentage of placement of outgoing students during the last five years****Response:** 8.54**5.2.2.1 Number of outgoing students placed year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
38	48	17	4	7

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Self attested list of students placed	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.2.3 Percentage of student progression to higher education (previous graduating batch).****Response:** 3.19**5.2.3.1 Number of outgoing student progressing to higher education.**

Response: 9

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.2.4 Percentage of learners enrolled at DDE in the preceding academic year (only newly enrolled) have submitted assignments as per the academic calendar**

**Response:** 0.55

**5.2.4.1 Number of newly enrolled learners submitted assignments at DDE in the preceding academic year**

Response: 55

**5.2.4.2 Total number of newly enrolled learners at DDE in the preceding academic year**

Response: 100

File Description	Document
List of programmes on offer at DDE	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Web-link to academic calendar of the DDE	<a href="#">View Document</a>
Web-link of assignments of programmes on offer at DDE	<a href="#">View Document</a>

**5.2.5 Percentage of learners enrolled at DDE in the preceding academic year (only freshly enrolled) and have appeared and have passed in the term end examination**

**Response:** 38.55

**5.2.5.1 Number of freshly enrolled learners passed of DDE in the preceding year**

Response: 32

**5.2.5.2 Total number of freshly enrolled learners in term end examination of DDE in the preceding year**

Response: 83

File Description	Document
List of programmes on offered by DDE	<a href="#">View Document</a>
List of learners (only freshly enrolled)who have passed term end examination of DDE	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Web-link of examination schedule of DDE	<a href="#">View Document</a>

### 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 last five years.**

**Response:** 19

**5.3.1.1 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) year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
4	6	2	4	3

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

**Response:**

The students at IKGPTU Campuses participate actively in different decisions making, academic and administrative committees. This helps them in better academic environment. Students' opinions and suggestions are given due impetus in taking quality measures at both the level of university and departments. IKGPTU makes consistent efforts for the holistic growth of students. Also, the representation of students is ensured through their active participation in various university and department level

committees. These are mentioned below:

### **Internal Quality Assurance Cell (IQAC)**

Student representatives are nominated for this cell, who participate in the decisions regarding the quality initiatives of the institute. (Office order issued by office of the Registrar vide reference No. IKGPTU/REG/OO/4412-4414 dated 01.11.2021 as **Annexure 'A'**)

### **Anti-ragging Committee**

Students' representatives of this committee actively participate in developing and maintaining a congenial environment so that there are no incidents of ragging at the campuses/hostels. They voluntarily monitor day to day activities and bring to the notice of the warden immediately. (Departmental office Order issued by office of the Director (Main Campus) vide reference No. IKGPTU/AR/MC/2021/277 dated 08.06.2021 as **Annexure 'B'**).

### **Anti-Sexual Harassment Committee**

This committee actively participates in providing a congenial environment so that there are no instances of harassment against any gender (Departmental office Order issued by office of the Director (Main Campus) vide reference No. IKGPTU/AR/MC/2021/277 dated 08.06.2021 as **Annexure 'B'**).

### **The National Cadet Corps (NCC)**

NCC is encouraged in the university aiming at the development of leadership, character, comradeship, spirit of sportsmanship and the ideal of service, among the youth.

### **National Service Scheme (NSS)**

Efforts are made at the university main and constituent campuses to promote students' participation in NSS activities like conducting blood donation camps, rural health & sanitation, education awareness campaigns, and environmental awareness camps in the nearby areas. This contributes towards making them the responsible citizens of the nation.

Apart from above, the pupils are engaged in organizing Technical Fest, Cultural Fest and National Level Sports Fest etc. Student members of all professional societies and Student Clubs in the departments, actively take part in hosting their respective events.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### **5.3.3 Average number of sports and cultural events / competitions organised by the institution per year**

**Response: 25.2**

**5.3.3.1 Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
7	30	30	30	29

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 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.**

**Response:**

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 in the last 25 years. We at IKGPTU believe that alumni are the brand ambassador of the university. The present position that IKGPTU enjoys is the 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 the MNCs like Tata Consultancy Services (TCS), Wipro Technologies, IBM India Pvt. Ltd., Pentair, Infosys, Accenture, Jaro Education, Decathlon Sports Pvt. Ltd., HCL Technologies etc. Also, our alumni are working in Defence services, Government departments & educational institutes. In order to stay connected and make this bond even stronger and with our vision to continuously contribute in the success of our alumni, we have launched Alumni portal, which allows our alumni to share career opportunities with one another and at the same time become mentors to current students. **(Document attached as Annexure – A)**

To develop a strong alumni network, Corporate Relations & Alumni Cell organised an Online Alumni Meet during COVID pandemic. **(Documents attached as Annexure – B)** Also, Alumni Talks are organized to offer career guidance & to make the present students aware about corporate culture. **(Documents attached as Annexure – C)**. During these talks, Alumni also share experience of qualifying



their online tests & interviews during Campus Placement Drives.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

**Response:** E. <5 Lakhs

File Description	Document
Any additional information	<a href="#">View Document</a>

## Criterion 6 - 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.**

**Response:**

The I.K. Gujral Punjab Technical University (IKGPTU), formerly known as Punjab Technical University (PTU), has following vision and mission statement.

**Vision** To 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.

**Mission** To 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.

Until 2011-12, IKGPTU functioned as an affiliating University with its activities being confined to: (i) the imparting of technical education programmes encompassing the subjects of Engineering & Technology, Science, Management, Humanities, Pharmacy, Social Science and Architecture through affiliated colleges located within its area of jurisdiction (ii) offering of Distance Learning Programmes in a variety of knowledge areas as a network of franchisee centres located across the state. IKGPTU launched academic programmes in its constituent campuses in the year 2011-12 and at its main campus in 2016. At present, there are more than 1.5 lakh students enrolled in 220 colleges affiliated to the University for AICTE and Non-AICTE courses. At present University is at nascent stage of its development and has established 13 teaching Departments, a Centre for Invention, Innovation, Incubation & Training (CIIT) and an International Resource Centre for Universal for Human Values (IRCUHV) functional in the University Campus with more than 1500 students.

University aims at the holistic development of the students and was one of first few Universities in the county to include a course on Human Values & Professional Ethics (HPVE) for all Engineering & Management students, in collaboration with NRCVEE, IIT, Delhi and IIIT, Hyderabad. All the Student welfare schemes of the state govt./ UGC are implemented time to time by the University. In addition, University also offers free Schemes for needy and meritorious students.

To acquaint students with the actual industrial needs internships at industries are provided to students during the last semester of programme. The University organizes job fairs regularly for placement of students. Faculty Development Programs are regularly held in the University for providing training to faculty from renowned resource persons from IITs, IIMs, NITs and other institutes of high repute. The University has a mission to provide excellent education to the students at its campus and make sincere effort to improve the quality of the education in affiliated colleges. University has signed MOUs & other collaborations with various national & international Universities / institutions for promoting faculty and

student exchange, research exchange and collaborative academic programs.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

#### **Response:**

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

All these committees are formed as per their prescribed structure with internal and external members and works towards holistic development of the University for achieving academic excellence. The proceedings of their meetings are uploaded on the University website to ensure transparency in the process of decision making.

The Board of Governors (BOG) is the supreme authority of the University for taking both academic and administrative decisions and is responsible to maintain the smooth working of University as per the University Act.

The Academic Council performs the task of formulating academic rules, introduction of new courses, evaluation criteria and Board of Studies. The members of Academic Council comprise of experienced resource persons from within the University and other Universities of high repute.

The Finance Committee and HR committee looks after the financial matters and employee related matters of the University. IQAC cell of the University works towards ensuring the introduction of quality parameters in the working of University. The Cultural and Sports executive committee plans the extra-curricular activities for holistic development of students of university campus and affiliated colleges.

File Description	Document
Any additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 The institutional Strategic plan is effectively deployed.

#### Response:

One successfully implemented activity based on the strategic plan is as follows:

The University reviewed its academic, infrastructure, human resource and financial plans to upgrade itself from an affiliating University to a teaching-cum-affiliating University. The strategic plan was prepared and executed for establishing it successfully as a teaching-cum-affiliating University. To initiate various undergraduate and postgraduate courses in the campus, the University upgraded its infrastructure extensively for providing built-up space for classrooms, laboratories and faculty offices. The *state-of-the-art* laboratories and lecture rooms were developed in due course of time. Highly qualified faculty was recruited for imparting quality education and to perform research in various disciplines. The University came up with five hostel buildings, auditorium, seminar hall, knowledge resource centre, and open air theatre and sports facilities to cater various student related activities.

The Board of Studies (BOS) of various disciplines are updated time to time and regular meetings are conducted for continuous refinement of curriculum. The curriculum has been 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 undergraduate degree with Honours or additional Minor Engineering by completing additional 20 credits. These could be acquired through MOOCs. University has framed the policy of minor degree and MOOCs policy accordingly. The provision is also provided to the students to opt elective from different branch.

**Link of DPR prepared by**  
**EdCIL:** <https://ptu.ac.in/wp-content/uploads/2021/10/DPR-IKGPTU-EdCIL.pdf>

File Description	Document
Strategic Plan and deployment documents on the website	<a href="#">View Document</a>

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

#### Response:

The University works through institutional authorities formed as per University Act, UGC norms and BOG

guidelines. The institutional development plan, rules & regulations and procedure have been formulated for effective and efficient working.

Various governing bodies form an effective organizational structure to monitor and improve the working of university. The governing bodies and their domain of functioning are as below:

<b>Board of Governors</b>	<ol style="list-style-type: none"> <li>1. Strategic plan for academic strengthening</li> <li>2. Recruitment norms for teaching staff</li> <li>3. Recruitment norms for technical staff</li> <li>4. Promotion norms for teaching staff</li> </ol>
<b>Academic Council</b>	<ol style="list-style-type: none"> <li>1. Course regulations</li> <li>2. Affiliation norms</li> <li>3. Migration rules</li> <li>4. Continuation of affiliation</li> <li>5. Ph.D. regulations</li> </ol>
<b>Board of Studies</b>	<ol style="list-style-type: none"> <li>1. Scheme and syllabus of all courses under jurisdiction</li> </ol>
<b>Human Resource</b>	<ol style="list-style-type: none"> <li>1. Teaching and non-teaching staff promotion policies</li> </ol>
<b>Finance committee</b>	<ol style="list-style-type: none"> <li>1. Purchase rules</li> <li>2. SOP</li> <li>3. Library book purchase SOP</li> </ol>

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/Criterion-6/6.2.2/Organisational-Structure.pdf>
- Link to finance committee: <https://ptu.ac.in/wp-content/uploads/2021/10/Constitution-of-Finance-Committee-IKGPTU-10-10-2018.pdf>
- Link to Academic Council: <https://ptu.ac.in/wp-content/uploads/2021/10/Notification-Composition-of-Academic-Council-IKG-PTU-REG-N-3715-dt.-10-10-2018.pdf>
- Link to 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>

- Link to BOG: <https://ptu.ac.in/wp-content/uploads/2021/10/Notification-of-7th-Board-of-Governors-by-DTE-Punjab.pdf>
- Link High power Resource committee: <https://ptu.ac.in/wp-content/uploads/2021/10/High-Power-Resource-Committee-office-order.pdf>

- Link to Internal Resource Committee: <https://ptu.ac.in/wp-content/uploads/2021/10/Internal-Human-Resource-Committee.pdf>

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>
Link to Organogram of the University webpage	<a href="#">View Document</a>

### 6.2.3 Institution Implements e-governance covering following areas of operation

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

**Response:** A. All of the above

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
ERP (Enterprise Resource Planning) Document	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 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 .

**Response:**

It has been made mandatory in the University for the employees to fill up their Annual Performance Appraisal Report (APAR) through online mode at iHRMS Punjab Portal. University has created user accounts of all of its employees/officers and faculty on iHRMS Punjab portal. Login ID and password of the employees is sent via SMS at their registered mobile number directly.

University has promoted its employees (teaching and non-teaching) as per the promotional criteria approved by Board of Governors of IKG PTU from time to time. It is submitted that the University has quite big list of welfare measures for teaching and non-teaching staff. The university ensures that the teaching and non-teaching staff gets the best of the working environment on the campus as part of hygiene factors for keeping their motivational level high. All officers/faculty and staff members are provided with the best of the necessary facilities, such as cabins, work stations with centralised air conditioning, and good

quality office furniture. All Officers/Faculty of the University have been provided with laptop, internet dongle, Sim card facility etc. Canteen, Cafeteria and Crèche facilities are also available in the University for its employees.

Since it is State- University conventional benefits such leave encashment is at par with the government's employees. University has provided concession to the Officers/faculty/staff in the admission fee to their children studying in IKGPTU and its constituent campuses. University provides re-imbursment of medical bills of its employees and their dependants as per policy of Govt. of Punjab.

University provides conveyance allowance of Rs. 1000/- per month to specially abled employees of University. University has adopted a policy of appointment on compassionate grounds as per Govt. of Punjab. The University provides the payment of ex-gratia grant as per Punjab Government Rules. The University extends the facility of interest free loan upto Rs. 50,000 to its group IV employees for marriage of their daughters.

The University has established open GYM and indoor GYM in the University for the Staff and students (separately for male/female). Besides this, University has provided facility of Basket Ball Courts, Lawn Tennis, Volley Ball, Table Tennis, Track for Athletes etc.

Besides this, University has a Centrally Air-Conditioned auditorium of the seating capacity of 800 people. A Central library named "Knowledge Resource Centre" provides facility of books, ebooks, journals, newspaper, internet surfing with good quality seating space and furniture.

File Description	Document
Any additional information	<a href="#">View Document</a>

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

**Response:** 20.25

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

2020-21	2019-20	2018-19	2017-18	2016-17
26	27	13	6	13

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.****Response:** 2.6**6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
1	9	2	0	1

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).****Response:** 41.71**6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
52	59	28	15	21

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**6.4 Financial Management and Resource Mobilization****6.4.1 Institutional strategies for mobilisation of funds and the optimal utilisation of resources****Response:**



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

### Mobilization of Funds

- The main internal resource generation are academic receipts such as college affiliation fee, admission processing fee, application & inspection fee, tuition fee and examination related fee.
- Various project grants are received from government agencies through faculty and research scholars. The grants received by the University are also audited. For enhancing fund generation, the University promotes research and consultancy activities by involving the faculty at various levels. The University encourages its faculty to initiate and receive substantial grants for research and consultancy works.

### Optimal Utilization of Funds

- A Finance Committee is constituted to monitor the optimum utilization of funds for various recurring and non-recurring expenses through budget. Budget is prepared every year taking into consideration both recurring and non-recurring expenditures. Accordingly, all the University departments are requested to submit their budget requirements for the subsequent financial year. Budget is approved by Finance Committee and subsequently by BOG. Finance and Accounts department is responsible to monitor whether expenses are exceeding the budget provisions.
- After final approval of budget, the purchase committee carries out the process of purchase with the approval of the competent authorities. Purchase is done by inviting quotations or tenders as per the procedures laid down by the University.
- The purchase committees in consultation with the Finance and Accounts department ensure that the expenditure is in conformity within the allotted budget. After the delivery of respective goods, the payments are processed only after inspection & specification verification of items by the inspection committee. Payments are done as per the terms and conditions mentioned in Purchase order. All transactions are done in a transparent manner through bills and vouchers.
- Travel grants are sanctioned to faculty for attending the National or International Conferences in India or abroad, depending on availability of funds.
- Optimal and effective utilization of infrastructure is ensured through the appointment of adequate and well-qualified lab technicians and system administrators.

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

#### 6.4.2 Funds / Grants received from government bodies during the last five years for development and maintenance of infrastructure (not covered under Criteria III and V ) (INR in Lakhs).

**Response:** 0

##### 6.4.2.1 Total Funds / Grants received from government bodies for development and maintenance of

*infrastructure (not covered under Criteria III and V) year wise during the last five years (INR in Lakhs).*

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

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

#### **6.4.3 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)**

**Response:** 0

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

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

#### **6.4.4 Institution conducts internal and external financial audits regularly**

**Response:**

The conduct of financial audits (internal and external) is a regular feature of University's administrative working. It has a full-time Finance and Accounts Department since its inception to ensure 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 University's officials to carry out a scrutiny of all transactions and related vouchers for each financial year. The statutory audit is conducted through the CAG empanelled Chartered Accountants duly appointed by the BOG of the University.

#### **Process of the Internal Audit**

The work of Internal Audit of the University is entrusted to the internal auditor of the University and all vouchers are audited on quarterly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers of receipts and payments. Minor errors of omissions and commissions when pointed out by the audit team are immediately rectified and preventative steps are taken to avoid recurrence of such errors in future. All observations/objections of internal auditor are communicated through the report and the same are forwarded to the dealing officer and HODs as per the requirement for the compliance.

## Process of the Statutory Audit

The accounts of the University are audited annually as per University rule by Chartered Accountant duly appointed by BOG. The auditor ensures that all payments made are duly authorized. Any queries, in the process of audit are attended with immediate effect along with the supporting documents. All these mechanisms exhibit the transparency being maintained in financial matters and adherence to financial discipline to avoid defalcation of funds or properties of the University. The audited statement is duly signed by the Competent authority and Chartered Accountant.

Statutory audit covers all financial and accounting activities of the University and certify that the books of accounts are properly maintained, and all receipts and payments are properly supported by relevant vouchers. All Statement of Expenditures and Utilization Certificates regarding grants received from various external funding agencies are issued by Finance and Accounts Department of the University countersigned by the Chartered Accountant.

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

## 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.**

### Response:

Internal Quality Assurance Cell has taken various initiatives to be followed by respective departments of the University for improving 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. A student can get undergraduate degree with Honours or additional Minor Engineering, if he/she completes an additional 20 credits. These could be acquired through MOOCS. University has accordingly implemented the policy of minor degree and MOOCS policy. The framework/structure provided by AICTE for undergraduate engineering courses has been followed which encompasses the choices in elective courses offered to students. The provision permits the interdisciplinary approach and students may opt elective from different branch.
- Corporate Relations & Alumni (CR&A) department has started working to reach out to the corporate world for facilitating the best placements for IKGPTU students in reputed government, multinationals, NGOs and private organisations etc. Students registered with CR&A are provided with placement assistance (HR Talk), counselling for employment (Pre-Placement Assessment), and self/social Entrepreneurship. The department is conducting career-related seminars, workshops to enable the students to become successful professionals, has organised State-level job fairs in collaboration with the Punjab Government. For promoting Entrepreneurship programmes and

Innovation, the following activities are being performed:

- TiE-IKGPTU Industry Academia Collaboration
  - Short term Training Programme in collaboration with NITTTR, Chandigarh
  - CIIT (Center for Invention, Innovation, Incubation, and Training) a joint initiative by IKGPTU and Tata Technologies
- 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. The product brings together the independent functions and systems under a single framework. Various benefits realised through successful implementation of e-Office include enhancement of transparency; increase in accountability; maintenance of data integrity and security; optimum utilization of resources; increase in productivity; nurturing of a healthy work culture & professional ethics, and effective knowledge management.
  - The Knowledge Resource Centre has been equipped with the latest technological facilities in form of e resources. At present, library has access to number of e-resources/ databases. The facility is being provided through in house Library Access and simultaneously through Remote Access facility also. 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)
    - Indiastat

Following digital facilities has been provided for the users:

- Library Software
- Library Membership Card
- Library Automation
- National Digital Library
- Mobile Application
- Plagiarism Checking
- Document Delivery Service
- Mobile application for the access of e resources
- Remote access facility for access of KRC collection remotely
- Bio Metric Circulation System
- RFID system

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**6.5.2 Institution has adopted the following for Quality assurance 1. Academic Administrative Audit (AAA) and follow up action taken 2.Confernces, Seminars, Workshops on quality conducted 3. Collaborative quality initiatives with other institution(s) 4.Orientation programme on quality issues for teachers and students 5. Participation in NIRF 6.Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA).**

**Response:** B. 4 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**6.5.3 Incremental improvements made for the preceding five years with regard to quality (in case of first cycle), Post accreditation quality initiatives (second and subsequent cycles).**

**Response:**

The University successfully implemented the initiatives suggested by IQAC for the enhancement of quality in the academics and administration. Some of the improvement is listed:

- The University elevated itself to a teaching-cum-affiliating University by uplifting its infrastructure for academic activities and by recruiting qualified faculty. A significant quantitative and qualitative improvements were done in the faculty resources and laboratory facilities in the main campus as well as in the constituent campuses.
- The Board of Studies (BOS) meetings were scheduled regularly for continuous refinement of curriculum. The curriculum has been continuously updated as per structure provided by AICTE/UGC. Choice Based Credit System (CBCS) has been inculcated in the present system following the model curriculum of AICTE for engineering courses. A student can get undergraduate degree with Honours or additional Minor Engineering, if he/she completes an additional 20 credits. These could be acquired through MOOCs. University has accordingly framed the policy of minor degree and MOOCS policy. The provision is also applicable to the students to opt elective from different branch e.g. student of Mechanical Engineering may opt elective from list of courses offered by Computer Science Branch.
- To help the economically weaker section of society, student welfare department has been assigned the work to look after Post-Matric Scholarship schemes.
- For promotion of academic programmes (Under Graduate and Post Graduate), University has opted for different modes of advertisement and publicity *i.e* through Print Media, Electronic Media,

Hoardings on National / State highways and by utilising Social Networks like Whatsapp, Facebook, Google effectively.

- A query system is inbuilt in login of students and a call centre has in Examination department to resolve the grievances related to examination is working successfully which helps in resolving queries more efficiently from time to time.
- University has signed different MOUs with organisations for the promotion of student internships, placements, start-ups and pre-placement preparation.
- University has signed different MOUs with various International / National Organisations / Institutes for joint student exchange programmes, faculty exchange programs 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.
- Green Audit of IKGPTU has been conducted.
- Facilities required for differently abled have been provided which includes ramps for entrance in the buildings, elevators.

File Description	Document
Link for Additional Information	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

##### Response:

IKGPTU has a strong ethical work culture and equal opportunities are provided to all individuals irrespective of gender, race, color, language, religion, or any other status. The curriculum of all the programmes lays impetus on the concerns related to the promotion of gender equity. The courses on Gender, Culture, Religion, Technology, Human Values & professional Ethics are being taught to the students to address the issues related to gender and equality.

IKGPTU focuses on the core values of gender equality and women empowerment to uplift the social, economic, and educational status of women which is reflected in various activities of the University. Female students are encouraged to participate in various Academic, Sports, and Cultural activities like Youth festivals, Commemoration of national days, Entrepreneurship Week, Alumni Meet, etc. Further, for women International Women's Day is an occasion to celebrate, moment to respect, cherish and appreciate. It is a regular practice of our University to celebrate Women's Day.

The university has developed a Women Grievances Cell for female staff, employees, and students in order to address women's concerns if any and ensure to make the institution a safe and secure work environment for them. Some of the specific measures initiated by the institution to encourage female students participate in all academic, co-curricular, and extra-curricular activities are:

- Adequate and safe hostel space for female students.
- Special security and transportation, during night hours, for female students to engage in various activities like studying in the library, attending group activities, and extracurricular & co-curricular activities.
- In night hours, women security guards accompany female students during their transit 24x7.
- Gender sensitization programs for all students, faculty, and staff members.
- 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	Document
Specific facilities provided for women in terms of: a.Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="#">View Document</a>
Annual gender sensitization action plan	<a href="#">View Document</a>

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

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

**Response:** A. 4 or All of the above

File Description	Document
Geotagged Photographs	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

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

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

**Response:**

#### Solid Waste Management

University has provided dust bins to collect solid waste materials across the campus. The waste gathered from these dustbins is collected at one place and then disposed of outside the campus. For the disposal of waste food products, dead plants & dry leaves, a decomposition machine of capacity 500 Kg per day has been installed in the campus. Waste food products, dead plants & dry leaves are processed through this machine and converted into manure which is used for horticulture purposes.

#### Liquid Waste Management

To ensure effective and efficient Liquid Waste Management, IKGPTU has got installed three Sewage Treatment Plants (STPs). Out of the three STPs, two are of 30 KLD capacity and one of 50 KLD capacity. The construction of one more STP of capacity 90 KLD is in progress. All these STPs are being operated as per Punjab Pollution Control Board norms. For carrying liquid waste from various buildings to the Sewage Treatment Plants, a proper underground drainage system has been developed in the campus. Consents for the operation of these STPs issued by Punjab Pollution Control are enclosed. 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 environment concerns. Hence, the university has adopted well framed chemical waste management policy. The objectives of this chemical waste management plan are to ensure the health and safety of employees, students, and protect environment while complying with applicable Hazardous Waste Management rules of Government of India.

File Description	Document
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View Document</a>
Geotagged photographs of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.4 Water conservation facilities available in the Institution:

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

Response: B. 3 of the above

File Description	Document
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.5 Green campus initiatives include:

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

Response: A. Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	<a href="#">View Document</a>
Geotagged photos / videos of the facilities	<a href="#">View Document</a>

**7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:**

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

**Response:** C. 2 of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**7.1.7 The Institution has disabled-friendly, barrier free environment**

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

**Response:** A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	<a href="#">View Document</a>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Details of the Software procured for providing the assistance	<a href="#">View Document</a>

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

**Response:**

The University has a well-established department 'International Resource Centre for Universal Human Values & Ethics (IRC-UHVE)' that has been running a course on Universal Human Values for all of its undergraduate students. This course has been run in the University/ its affiliated colleges since 2011.

**(Course scheme attached as Annexure)**

- The Foundation Course in Human Values and Professional Ethics has been introduced and is consistently running as an essential credit course for all students at IKGPTU constituent and affiliated colleges since 2011. Presently, this course is a part of Model Curriculum recommended by AICTE.
- Through the efforts of IRC-UHVE, more than 8,000 teachers, across North-west region, have undergone faculty development program on Universal Human Values. Out of these about 3000 students have been trained in Punjab itself.
- Consistent efforts are going on for preparation of Resource Persons. Currently, five Resource Persons are there who can share Universal Human Values through Faculty Development Program 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 has directly resulted in universities from SAARC nations getting familiarized with this topic and approach. In particular, the Royal University of Bhutan introduced universal human values in their curriculum in 2012. In 2014, three universities from Pakistan have started planning for universal human values and the responsibility of their teacher training is being taken by the IRC-UHVE.
- The text-book, teacher's manual and other material has been translated into Punjabi in 2012. The idea is to make this course so simple and comprehensible so that students from the region may be able to grasp it effectively.
- The subjects like Essence of Indian Knowledge Tradition, Mentoring and Professional Development, Constitution of India and Environmental Sciences are made mandatory to all engineering undergraduate courses. The course Research Publication and Ethics is also added to Ph.D. course work.
- The University undertakes various initiatives in the form of celebration of days of eminent personalities, national days, NSS, NCC and other such activities to provide an inclusive environment by bringing students and teachers with diverse background on single platform. **(List of Events attached).**

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>

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

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 a 3-weeks Student Induction Program (SIP) since 2018. The objectives of Student Induction Program are as mentioned below:

- To provide an exposure to a holistic vision of life
- Develop awareness, sensitivity and understanding of the

Self---family---Society---Nation---International---Entire Nature

- 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
- To overcome weaknesses (if any) in professional skills for the readiness for higher studies

The schedules of SIPs conducted are attached at Annexure-1

Faculty Development Programs (FDP) on Universal Human Values are organized from time to time by IKGPTU in collaboration with AICTE for the faculty members & officers of the University Main campus, Constituent campuses and its affiliated colleges. About 62 staff members (faculty members & officers) of IKGPTU have participated in FDP on Universal Human Values in last 05 years. These 8-days FDPs with 4 sessions of 90 minutes each are well-planned 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. It should not depend on sex, creed, nationality, race, religion, etc.

- **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 within our own self as well as with others (human being and rest of nature).

- **Holistic**

Covers all dimensions of being, as an Individual:

1. Thought
2. Behaviour
3. Work

## 4. Understanding/Realization

- **Covers all levels of living**

1. Individual (human being)
2. Family
3. Society
4. Nature/Existence

In response to the above the University has included the subjects like Essence of Indian Knowledge Tradition, Mentoring and Professional Development, Constitution of India and Environmental Sciences in its Curriculum. These subjects have been made mandatory for all Engineering undergraduate courses on the lines of AICTE guidelines. Moreover, a course Research Publication and Ethics has also been added to Ph.D. course work.

University is running online portal very successfully. It provides ease of work for university department as well as affiliated college. To serve the stakeholder/ college in best manner, the university is continuously refining the process.

File Description	Document
Details of activities that inculcate values necessary to render students in to responsible citizens	<a href="#">View Document</a>

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

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

**Response:** B. 3 of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View Document</a>
Code of ethics policy document	<a href="#">View Document</a>

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

**Response:**

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
7. Women's Day celebrations
8. 550th Birthday Celebrations of Guru Nanak Dev Ji
9. 400th Birthday Celebrations of Guru Teg Bahadur Ji
10. World Environment Day

Teachers' Day & Engineers' Day are the annual integral activities of the university being celebrated every year by the Youth Affairs Department. Apart from cultural activities, various activities pertaining to the teachers, innovative engineering, minor projects/models by the students are exhibited during these celebrations. International Yoga Day is also celebrated in the university on 21st June. The objective of this event is to make assure the students get synchronize in mind & body. An expert of Yoga delivers the lecture and demonstrates the basic Yoga postures during the event.

Annual Zonal and Inter-Zonal Youth Festival is another major feature of the student related activities festivals. They also remain connected with their rich cultural heritage. International Women's Day is celebrated to mark the women empowerment in nation building.

File Description	Document
Geotagged photographs of some of the events	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Annual report of the celebrations and commemorative events for the last five years	<a href="#">View Document</a>

**7.2 Best Practices**

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

**Response:**

## 1. Title of the Practice

Digitalization of Approval Process of New College/ New Programme/ Increase in Intake/ Restoration/ Break in Continuation/ Continuation

### Objectives of the Practice

The main objectives of this practice are as follows:

- a) Digitalization of approval process regarding opening up of New College/ New Programme/ Increase in Intake/ Restoration/ Break in Continuation/ Continuation to facilitate all the stakeholders.
- b) To introduce a paradigmatic shift from manual to online mode in implementation of Govt. policies/ guidelines.
- c) To facilitate the colleges to deposit the affiliation/continuation fee through online mode.
- d) To develop a fast,user-friendly and transparent web portal of approval process.
- e) To make the communication process easy, convenient and paperless for all the stakeholders.
- f) To facilitate smooth record keeping of requisite documents.

### The context:

The IKGPTU is an affiliating university in the area of technical education in the state of Punjab. More than 200 colleges including both AICTE and UGC colleges are affiliated with this university. More than 175 programmes are being run in affiliated institutions. University issues affiliation and continuation of all institutions and programmes respectively on yearly basis. The total quantum of work is very large, which involves all the stake holders, experts and physical verification of infrastructure and facilities at different locations.

University renders two types of services to the institutions. One is continuation of programs already being run in the affiliated institutions and second is affiliation of new institution, new programmes in existing institution and increase in sanctioned seats.

The department has developed online web portal to handle all the activities smoothly and in transparent manner. The work of affiliation and communication with the institutions is done through this portal and queries raised if any are handled through the portal only. The whole process is paper less and user-friendly. The record maintenance and tracking of the same are easy and quick.

### The Practice:

Previously, the Department of College Development had been inviting the application for affiliation and continuation from colleges/ trust/educational societies through offline/manual mode. The colleges and university were facing huge problems regarding communication of information, handling bulky documents to be submitted for the process of affiliation through offline mode. Department of College Development has taken an initiative to develop an online web portal to facilitate the stakeholders / colleges by bringing

all the facilities at single window. The following steps are followed

1. The institutions register with login ID and password on the web portal.
2. The institutions (Society or Trust) fill all the details of their credentials.
3. The institutions fill the details of Head of the Institution.
4. The institutions provide the details of infrastructure and common facilities.
5. The institutions furnish the details of laboratory and equipment.
6. The institutions submit the details of faculty and library staff.
7. The institutions fill the details of books and journals.
8. The institutions provide the details of land and financial grants if any.
9. The institutions submit the details of programs applied and programs already being run.
10. All the required documents are uploaded on the portal.
11. The web portal automatically calculates the fee to be deposited according to the programs and sanctioned seats.
12. All the details have auto check in regarding to the facilities required as per university norms/regulations.
13. Based on the presentation and reports of physical inspection, affiliation order is issued with the approval of competent authority.
- 14 The challan for fee is generated and deposited by the concerned institutions.

### **Evidence of success**

The Department of College Development is responsible for the process of granting affiliation to New College / New Course / Increase in Intake / Restoration / Break in Continuation/ Continuation. For the last few years, the department is utilizing this web portal successfully ensuring transparency. This practice is very much in-line with the approval process of AICTE. All the stake holders are availing these services in a very user-friendly manner. The uploading of information and documents by the institution is very easy and swift. The repetition of work is avoided and communication is better. The process of affiliation is completely online and paperless. All the stakeholders are very much satisfied with the services rendered by the university. The university is able to get the work done as per schedule ensuring optimum utilization of resources.

The data required by the different government departments and other regulatory bodies from time to time can be generated by click of button. The necessary updation in the entire process is also ensured through feedback of the stakeholders.



## 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. The problems faced by the university in terms of technological, manpower and infrastructural requirements were adequately dealt with to make this practice successful. In the initial stage, the resistance to change by the stakeholders was experienced but with the success of project, all the users are satisfied at the end. All queries, as and when aroused (technical /process related etc.) are resolved with the help of ITS department of the University in accordance with feedback received from all the stakeholders. The challenge of secured payment gateway was a big challenge. All the issues are examined and related feedback is considered for incorporation/updation in accordance with the rules/ guidelines.

### Notes (Optional)

University is running online portal very successfully. It ensures ease of work for the university as well as the affiliated college. To serve the stakeholder/ college in the best manner, the university is continuously refining the process.

**Link** – The link of College Development portal is <https://cd.ptu.ac.in/>

## 2. Title of the Practice: E-Counselling and Admission Services through Online Portal

### Objectives of the Practice:

The e-Counselling system is a one stop solution for all the counselling needs right from application form, on-line fee payment, selection of courses/institutes, document verification, seat allocation, reports/dashboards. The solution caters to all the stakeholders namely Aspirants, Counselling Board, and Participating Institutions with end-to-end support towards a hassle-free, transparent admission processes in the Technical and Academic Institutions in Punjab State. NIC counselling solutions have been widely accepted by a number of professional institutes and universities in the last 15 years. The system has evolved with the change of technology over the period of time to stay relevant.

**The Context:** The university was established in the year 1997 under the Punjab Technical University Act, 1996 (Punjab Act No. 1 of 1997) to provide for the establishment and incorporation of a university for the advancement of technical education and development thereof in the State of Punjab and for matters connected therewith. In pursuance of this Act, the University started its journey with 09 engineering colleges and few management colleges affiliated to it. Since then, the University has come a long way and during the current academic session 2021-22, the University has 68 Engineering Colleges, 103 Management and Computer Application Colleges, 37 colleges imparting Pharmacy education, 05 colleges imparting hotel management education and 06 colleges providing Architecture Education affiliated to it. The Centralized Counselling is a convenient platform for the students to apply for all courses including B. Tech. programmes, based on their score or marks in qualifying examination in all institutions of participating universities. This centralized system has replaced the older system, wherein students had to apply individually to various institutes and visit every institute for appearing in interview/counselling. The current system facilitates students to fill single online application form and apply to all programmes in all the participating institutions to which they are eligible. The overall convenience of students has increased enormously due to this centralized counselling.

**The Practice:** This system covered e-counselling services to the participating Universities i.e., I. K. Gujral

Punjab Technical University, MRS Punjab Technical University and Punjab Agriculture University by performing following activities:

- a) Customise/Configure IKGPTU website <https://ptuadmissions.nic.in> for IKGPTU-2021.
- b) Customise/configure online e-Counselling system as per the Business Rules finalized by Technical Committee of IKGPTU-2021.
- c) Conduct training and handholding sessions to officials of organizing University and participating institutes at a central location.
- d) Hand-over entire database to organizing university after closing of admission process for further reports, queries if any and usages.
- e) Integrate SMS/Email services for sending alert to applicants.
- f) Integration of ICICI payment gateway services.
- g) Storage of candidate's mobile number and email ID in encrypted format and would be utilized only for sending alerts to the candidates during registration & result publication process.
- h) Following diagram describes how all the entities are interrelated:

**Evidence of Success:** The centralised counselling has been successfully organised for IKGPTU since 2009 for centralized admission in programmes offered by institutions of participating Universities. All stakeholder from students, colleges, participating universities have been benefited from the e-Counselling and Admission Services in recent years. These services have proved extremely successful even during corona pandemic period.

**Problems Encountered and Resources Required:** Following work is done manually for which more updated resources would be required in future:

- a) Reconciliation of Fee with ICICI for adjustment/refund would be done by IKGPTU and is not in the scope of work of NIC.
- b) IKGPTU would reconcile with the bank the double/multiple payment made by a candidate.

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

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Best practices in the Institutional web site	<a href="#">View Document</a>

### 7.3 Institutional Distinctiveness

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

##### Response:

##### Title of the Practice:

Improving quality of research work by enhancing quality benchmarks and automation of the PhD admission/evaluation process.

##### Objectives of the Practice:

The objective of the best practice is to improve the quality of the research papers by PhD students and set high standards for faculty to become eligible as PhD supervisor. University has introduced mandatory condition of the publishing two research papers in refereed SCI journals out of which one should have impact parameter of more than 1 since 2010. University has also introduced a mandatory condition of publishing minimum of 05 research papers for the faculty, to be approved as Supervisor in IKGPTU.

##### The Context:

Implementation of the stringent quality parameters by the University was challenging due to lack awareness amongst the PhD students and faculty about the quality of the research journals. Series of steps were taken by University create awareness the quality of research papers and access of research papers were provided by the University to all PhD students/supervisor. To eliminate the practice of plagiarism by the PhD students and post graduate, anti -plagiarism software Turinit has been provided by the University to all registered supervisors of University. To bring transparency and expediate the evaluation process for PhD program, university has developed and implemented online platform for all PhD students.

The entire process from admission, research advisory meetings, abstract & thesis evaluation and payment of fees has been automated. Every student and supervisor have been allotted login account for submission of required information and see the current status of their thesis evaluation.

##### The Practice

IKGPTU has introduced quality parameter in PhD program in 2010 and was one of first few Universities to make such quality parameters for students and supervisors mandatory. It is important to mention that UGC has introduced such practice in 2016 and 2018.

IKGPTU is one of first universities to use digital solution for management of its research program. The entire admission process of PhD program, track research advisory meetings, submission of PhD abstract,

submission of thesis, thesis evaluation and payment of fees has been automated. Every student and supervisor have been allotted login account for submission of required information and see the current status of their thesis evaluation.

It is imperative that all Ph.D. evaluation, there should be atleast one examiner from foreign universities so that research should get peer review. The practice of appointing the one examiner from foreign universities have become a boon for it as such its h- Index has increased to 76 in 2021 which is amongst top 6 universities in Punjab.

### **Evidence of Success**

Impact of introducing higher quality benchmarks over the years, despite limited research infrastructure in University campus and its affiliated colleges, IKGPTU has been able to improve its research contribution and quality of the research papers over the years. In 2021, IKGPTU has achieved a Scopus h-index of 76, which is 6th in the state of Punjab despite IKGPTU being affiliating university till 2016. The initiatives taken by the IKGPTU were appreciated and recognized, IKGPTU's research program. University had bagged an award in the "Best University Promoting High Quality Research at Master's and Doctoral Thesis Work" category in the CCI Technology Education Excellence Awards 2013. This award was instituted by a Consortium of Co- Chairpersons-Industry (CCI) of Gujarat Technological University (GTU), jointly with the Communication Multimedia and Infrastructure Association of India (CMAI).

### **h-index (Scopus) of different Universities/Institutions of Punjab**

### **Total publication as per SCOPUS data base of different Universities 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.

Major problem which University is facing now is the lack of central instrumental facility for its PhD students and faculty in the Campus. University has approved in principle and allocated full financial support to promote these initiatives to further improve the quality of research work.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Appropriate web in the Institutional website	<a href="#">View Document</a>

NAAC

## 5. CONCLUSION

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### Additional Information :

- Ranked 120 in Engineering Category-NIRF India Rankings 2021
- Overall ranked 3rd in State, 33rd in research and 54th among top 100 Universities of India in NIRF ranking (National Institutional Ranking Framework) by All-India Ranking 2016 conducted by Ministry of HRD.
- IKGPTU has been awarded as the “Best University Promoting High Quality Research at Master’s and Doctoral Thesis Work” category in the CCI Technology Education Excellence Awards 2013. This award was instituted by a Consortium of Co-Chairpersons-Industry (CCI) of Gujarat Technological University (GTU), jointly with the Communication Multimedia and Infrastructure Association of India (CMAI).
- e INDIA 2010 Award of the Year as “ICT Enabled University of the Year” and “Open and Distance Learning Initiative of the Year Award” by the Ministry of Information and Communication Technology, Govt. of India.
- The University has various academic and research collaborations with prestigious national and international institutes/universities including Thompson Rivers University – Canada, Indian Institute of Travel and Tourism Management-Gwalior, Sardar Swaran Singh National Institute of Renewable Energy-Kapurthala, Punjab Agricultural University – Ludhiana, Baba Farid University of Health Sciences–Faridkot.
- Best Technical University Award for the year 2013 by Indian Society for Technical Education (ISTE).

### Concluding Remarks :

While summing up, it is worthwhile to mention that IKGPTU through his objective and fair governance; diverse and holistic education system; avant-garde academic and research infrastructure, high quality yardsticks of academics & research, national and international tie-ups, Innovation & Entrepreneurship Cell, Corporate Relations & Alumni is contributing significantly towards the growth and development of higher technical education in the state of Punjab as well as across the nation.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
2.1.1	<p><b>Demand Ratio (Average of last five years)</b></p> <p>2.1.1.1. <b>Number of seats available year wise during the last five years</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>2208</td> <td>1873</td> <td>1548</td> <td>874</td> <td>892</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>2056</td> <td>1804</td> <td>1420</td> <td>775</td> <td>855</td> </tr> </tbody> </table> <p>Remark : DVV has made the changes as per shared report of seats by HEI.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	2208	1873	1548	874	892	2020-21	2019-20	2018-19	2017-18	2016-17	2056	1804	1420	775	855
2020-21	2019-20	2018-19	2017-18	2016-17																	
2208	1873	1548	874	892																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
2056	1804	1420	775	855																	
2.3.3	<p><b>Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year )</b></p> <p>2.3.3.1. <b>Number of mentors</b>            Answer before DVV Verification : 75            Answer after DVV Verification: 56</p> <p>Remark : DVV has excluded those teachers are left the college from shared report by HEI.</p>																				
2.4.3	<p><b>Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)</b></p> <p>2.4.3.1. <b>Total experience of full-time teachers</b>            Answer before DVV Verification : 551.42            Answer after DVV Verification: 451.12</p> <p>Remark : DVV has excluded experience of those teachers are left the college from shared report by HEI.</p>																				
7.1.4	<p><b>Water conservation facilities available in the Institution:</b></p> <ol style="list-style-type: none"> <li>1. Rain water harvesting</li> <li>2. Borewell /Open well recharge</li> <li>3. Construction of tanks and bunds</li> <li>4. Waste water recycling</li> <li>5. Maintenance of water bodies and distribution system in the campus</li> </ol> <p>Answer before DVV Verification : A. Any 4 or all of the above</p>																				

Answer After DVV Verification: B. 3 of the above  
Remark : DVV has considered B. 3 of the above as per shared report by HEI.

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

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

Answer before DVV Verification : A. All of the above  
Answer After DVV Verification: B. 3 of the above  
Remark : DVV has considered B. 3 of the above as per shared report by HEI.

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p><b><i>Number of Programmes offered year wise for last five years (face-to-face only)</i></b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>52</td> <td>48</td> <td>38</td> <td>33</td> <td>31</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>34</td> <td>30</td> <td>24</td> <td>20</td> <td>19</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	52	48	38	33	31	2020-21	2019-20	2018-19	2017-18	2016-17	34	30	24	20	19
2020-21	2019-20	2018-19	2017-18	2016-17																	
52	48	38	33	31																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
34	30	24	20	19																	
2.2	<p><b><i>Number of seats earmarked for reserved category as per GOI/State Govt rule year - wise during the last five years (face-to-face only)</i></b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>1022</td> <td>842</td> <td>719</td> <td>410</td> <td>415</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>661</td> <td>548</td> <td>466</td> <td>262</td> <td>268</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	1022	842	719	410	415	2020-21	2019-20	2018-19	2017-18	2016-17	661	548	466	262	268
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1022	842	719	410	415																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
661	548	466	262	268																	
2.5	<p><b><i>Total Expenditure excluding salary year - wise during the last five years (INR in Lakhs) (face-to-face only)</i></b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17															
2020-21	2019-20	2018-19	2017-18	2016-17																	



9122.02	23007.1	14604.33	11695.46	15973.3
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Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2022.00	6504.42	4686.94	5148.11	4950.01

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