



# **SELF STUDY REPORT**

**FOR**

**2<sup>nd</sup> CYCLE OF ACCREDITATION**

**ICFAI UNIVERSITY TRIPURA**

**KAMALGHAT, SADAR, WEST TRIPURA**

**799210**

**[www.iutripura.edu.in](http://www.iutripura.edu.in)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**April 2021**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

The ICAI University, Tripura was established under the provisions of the Institute of Chartered Financial Analysts of India (ICFAI) University, Tripura Act 2004 (Act No.8 of 2004), vide Government of Tripura Notification No. F.2 (529)-DHE/UDCA/2003 dated 15.06.2004. The University Tripura is approved, recognized and listed by the UGC, under Section 2(f) of the UGC Act, 1956.

The University was established by the founder Member Late N.J Yarasway with his vision that led to the creation of string of institutions imparting quality education in India. It is administered and run under the aegis of ICAI Society. The ICAI University Tripura has a humble first step in North-east india towards actualizing its vision through the imparting of life-transforming, character-building education so that the University may be able to send out of its portals men and women possessing not only scientific knowledge, technical skills and work efficiency, but also endowed with higher virtues and imbued with human values like purity, truthfulness and selflessness.

The University is contributing for providing high-quality education with State-of-the-art Campus with necessary hardware and software infrastructure, Facilitating research and publication, Employment generation, Socio-economic development, Improvement in school education through teacher training programs, development of service sector through manpower training , Industry interface etc. For providing quality and skill based education to the students, the University has established various Centers of Excellence to Promote Quality and all round development of the students besides catering to the underprivileged sections and rural/tribal masses. the University is also striving to achieve excellence in research thus trying to fulfill contemporary national needs of Indian cultural and spiritual heritage embodying universal, non-sectarian and higher human values.

The University have numbers of good blends of experienced and young Faculty members having studied at IITs(Kanpur, Kharagpur, Guwahati, Madras),IISC-Bangalore, TIFR, NITs, National Law Universities, IIM's, Central Universities, Viswa Bharati, Faculties from renounced Healthcare organizations etc and also having exposure of working in foreign Universities and Research Labs. The Faculty members are from 17 different states of India. The Faculty members have the right potential to attract research and consultancy projects which need multidisciplinary support.

### **Vision**

The Vision of the University is to be a top-ranking private University of choice for students, staff and corporate, recognized for excellence in Higher Education and Research especially relevant to social needs.

### **Mission**

The mission of the University is to offer world class, innovative, career-oriented professional post graduate and undergraduate programs through inclusive technology-aided pedagogies to equip students with the requisite professional and life skills as well as social sensitivity and high sense of ethics. The University will strive to

create an intellectually stimulating environment for Research, particularly into areas bearing on the socio-economic and cultural development of the state and the nation.

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

### Institutional Strength

- Good blends of Experienced and young faculty members having studied at IITs, NITs, National Law Universities, IIM Ahmadabad, Central Universities etc
- Faculty members have right potential to attract research and consultancy projects which need multidisciplinary support.
- Academic Freedom.
- Academic rigor
- Case Study Method
- Industry Academia Interaction.
- Access to all databases to further research.
- MoUs with several institutions from India & abroad.
- Conducive environment for research
- Excellent infrastructure

### Institutional Weakness

Low level of international exposure

### Institutional Opportunity

- Potential to launch executive and certificate programs.
- Management education is well highly sought-after programs due good job potential.
- Good relation with Govt will help us to get Govt projects.
- Wide scope for placement of students due to imparting high quality education and skill development,

### Institutional Challenge

- Getting research funding.
- Difficulty of attracting good quality faculties from different parts of the country

## 1.3 CRITERIA WISE SUMMARY

### Curricular Aspects

The University offers Bachelor, Master, and Doctoral programs in management, finance, science and technology, information technology, education, law ,Library Science and other areas. The curriculum in all

programs is subjected to periodic review and appraisal. To this end, feedback from all stakeholders, viz, students, recruiters, alumni, faculty members is obtained. Review meetings are held at carefully spaced intervals before incorporating suggestions and carrying modifications. Rich inputs are obtained from Alumni and industry experts who visit the IUT campus on various occasions such as admission, guest lectures, student screening and selection etc. Based on the suggestions advanced by Alumni and Industry experts the curriculum is subjected to review. Faculty members collect valuable feedback from recruiters too before carrying out minor or major modifications to the existing curriculum. It is finally discussed and approved in the Board of Studies and Academic Council before its implementation. The ICFAI University, Tripura is committed to provide up to date and career-oriented educational programs at Bachelor's and Master's level in management, finance, science and technology, education, Library Science and other areas.

### **Teaching-learning and Evaluation**

The student profile reflects high diversity – geographical, gender, educational background and work experience. The University is an equal opportunity institution. It offers admission strictly based on merit. It has its own entrance examinations for admitting Ph.D (Part-Time), UG, PG and Diploma programmes. The admission process includes aptitude test, group discussion and personal interview. In other programs, the admissions are based on marks obtained in 10+2 (or equivalent) examinations followed by personal interviews. It encourages research and development through various measures such as incentivizing publication, funding conference participation, weekly departmental seminar, etc. More number of Faculty Members participated in national and international conferences and more faculty seminars were held across the faculties. Faculty Members have presented a greater number of papers in International and National conferences during the period under review. It has hosted many international conferences and seminars. The University has a well laid annual appraisal system. It is performance based and follows the Academic Performance Indicators (API) of UGC. The performance of each faculty is evaluated on the basis of quality of teaching, innovations in presentation, contribution to research, participation in institution building activities etc.

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

Research is a key area of focus at IUT. To improve the quality of research publications, we have committed time and invested large sums of money over books, journals and other informational resources that are secured through the Web. This has helped us present a healthy picture of how well we have done on this front to Accreditation agencies in the recent past. Over the years, our research focus has, certainly, helped us get the right talent into the campus.

Faculty members have benefited immensely through the University's focus on research. They gained exposure to the latest thinking in a particular discipline. They are able to admirably mix theory with practice while elaborating theoretical concepts and contemporary topics to students. Faculty members are supported by seed money to gain the experience in new fields. Based on the experience we are able to submit proposals to generate fund from Government and Non-government organizations. Our Faculty members are able to meet local requirement through consultancy. Tew University has nineteen centers of excellence. MSME has approved Design Center at Our University. Startup & Incubation-Host Institute /Business Incubation (HI/BI) is approved by MSME. Atal Community Innovation Centre (ACIC) is approved by NITI Aayog, Govt of India. University is also having Institute Innovation Council approved by MHRD, Govt. Of India.

## Infrastructure and Learning Resources

The University campus based at Agartala is a lush green campus spread over 32.2 acres at Kamalghat, Sadar in Tripura. It has over 6 lakhs sq. ft. of built-up area with academic blocks, workshops, laboratories, faculty rooms, auditorium, seminar halls, computer labs with latest computing facilities, well equipped modern library with e-books, canteen, sports and recreation facilities, Gymnasium, Language Lab, Media Lab and other labs related to Engineering, Science, Allied Health Science, Education & Special Education. The University is being widely recognized as an institution devoted to quality research and teaching. The University gives utmost importance to Industry-University interface.

The campus is predominantly residential, Wi-Fi enabled and equipped with state-of-the-art facilities as presented below:

- Smart Classroom, Classrooms, auditorium, seminar halls and lecture theatres are provided with LCD projectors and equipped with ICT facility.
- Laptops / iPad to facilitate improved classroom learning.
- Individual chamber with a desktop and internet facility for all Faculty Members.
- Academic monitoring through Student Information Management System and the Intranet (Local Area Network).

## Student Support and Progression

The students are truly diverse. Students come from all the states, social and cultural backgrounds, and every walk of life. We have a mini-India on the campus. All students get exposure to different cultures, languages, and ways of living. The campus has a designated Student Activities 'Coordinator and Faculty Members as mentors who actively work with students in organizing a variety of programs and activities throughout the year.

Currently, there are six student clubs, organizing various student activities. These clubs provide a platform for students to make management a part of their daily lives and practice leadership. The clubs organize and participate in sports and games, in social and cultural events and through them students are given avenues to hone and exhibit their creative skills in fields. Our recruiters are happy to come back and tell us that the quality of students at IUT is significantly better than other B-Schools in this part of the country.

More than ninety percent students are getting scholarship from the University, Government and Non-government authorities. Students are receiving job offers from various reputed organizations.

Students are quite sensitive to social causes and their participation in events relating to social issues is overwhelming. They have organized a number of blood donation camps during the period under review and extend support to environmental protection programs - every now and then. They also participated successfully in national and international inter-business school competitions. The University provides financial aid in the form of scholarships and fee waivers to the students.

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

The ICFAI University, Tripura is included in the list of universities maintained by the University Grants Commission (UGC) under Section 2(f) of the UGC Act, 1956, vide their letter No. F.9-7/2006 (CPP-I) dated October 30, 2006. The Bar Council of India has accorded its approval for imparting three year and five-year Law Courses at ICFAI University, Tripura and award degrees in law. The University has received the approval of NCTE to offer the Bachelors Program in Education through its constituent college the ICFAI College of Education. The ICFAI University, Tripura is included in the list of approved institutions maintained by NCTE.

University authorities (Vice Chancellor, Pro Vice Chancellor, Registrar, Dean, Principal, Coordinators and accounts officer) will run the university with the approval Board of Governors with the monitoring of Board of Management and with the guidance of Academic Council.

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

The University is built around sound procedures and established practices and ethical values that have stood the test of time admirably. student-centered Teaching & Learning has made the Teaching and learning process robust, Outcome Based and enriched with the usage of various ICT-based teaching methodologies. A student-centered teaching approach recognizes learners of different levels in the classroom and accordingly as per their level, relevant and purposeful learning is imparted. Beside, transforming teaching and learning processes from being teacher-centric to student-centric, nowadays the role of Information and Communication Technology (ICT), especially the internet in the education sector plays an important role. Educational ICT through curriculum integration has a significant and positive impact on student achievement, especially in terms of Knowledge Comprehension, Practical skill and Presentation skill in many subjects. Hence, we choose “Enrichment of teaching methodology through ICT” as one of our best practices.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the University	
Name	ICFAI UNIVERSITY TRIPURA
Address	Kamalghat, Sadar, West Tripura
City	Agartala
State	Tripura
Pin	799210
Website	<a href="http://www.iutripura.edu.in">www.iutripura.edu.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor(in-charge)	Biplab Halder	0381-2865752	9402148557	0381-2865754	vc@iutripura.edu.in
IQAC / CIQA coordinator	Sayantan Thakur	0381-2865753	9093552050	0381-	ranganatha@iutripura.edu.in

Nature of University	
Nature of University	State Private University

Type of University	
Type of University	Unitary

Establishment Details	
Establishment Date of the University	15-06-2004
Status Prior to Establishment,If applicable	

**Recognition Details****Date of Recognition as a University by UGC or Any Other National Agency :**

<b>Under Section</b>	<b>Date</b>	<b>View Document</b>
2f of UGC	01-11-2006	<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

N  
A  
A  
C



<b>Location, Area and Activity of Campus</b>							
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>	<b>Programmes Offered</b>	<b>Date of Establishment</b>	<b>Date of Recognition by UGC/MHRD</b>
Main campus	Kamalg hat, Sadar, West Tripura	Rural	32.53	52392	English, Law, Mathematics, Physics, Chemistry, Management, Science & Technology, Special Education, Physical Education & Yoga, Teacher Education, Clinical Psychology, Library & Information Science, Paramedical science, Nursing and Healthcare Management etc.		

## 2.2 ACADEMIC INFORMATION

**Furnish the Details of Colleges of University**

Type Of Colleges	Numbers
Constituent Colleges	0
Affiliated Colleges	0
Colleges Under 2(f)	0
Colleges Under 2(f) and 12B	0
NAAC Accredited Colleges	0
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	0
Colleges with Postgraduate Departments	0
Colleges with Research Departments	0
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>NCTE</td> <td><a href="#">100702_4347_4_1582607986.pdf</a></td> </tr> <tr> <td>BCI</td> <td><a href="#">100702_4347_8_1580108361.pdf</a></td> </tr> <tr> <td>RCI</td> <td><a href="#">100702_4347_19_1580108380.pdf</a></td> </tr> </tbody> </table>	SRA program	Document	NCTE	<a href="#">100702_4347_4_1582607986.pdf</a>	BCI	<a href="#">100702_4347_8_1580108361.pdf</a>	RCI	<a href="#">100702_4347_19_1580108380.pdf</a>	
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RCI	<a href="#">100702_4347_19_1580108380.pdf</a>								

### Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned	10				14				116			
Recruited	6	1	0	7	4	2	0	6	73	28	0	101
Yet to Recruit	3				8				15			
On Contract	0	0	0	0	0	0	0	0	23	26	0	49

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned				160
Recruited	102	33	0	135
Yet to Recruit				25
On Contract	0	0	0	0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned				25
Recruited	24	1	0	25
Yet to Recruit				0
On Contract	0	0	0	0

### Qualification Details of the Teaching Staff

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	6	1	0	2	2	0	21	4	0	36
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	2	0	0	52	24	0	78
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	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
UG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	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	26	23	0	49
UG	0	0	0	0	0	0	0	0	0	0

**Distinguished Academicians Appointed As**

	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Emeritus Professor	4	0	0	4
Adjunct Professor	0	1	0	1
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	Management	NJY	ICFAI
2	Law	N.R.Madhava Menon	ICFAI
3	Yoga	Dr. Rupoen Bhowmik	ICFAI

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

NAAC

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	1069	0	0	0	1069
	Female	617	0	0	0	617
	Others	0	0	0	0	0
PG	Male	204	0	0	0	204
	Female	167	0	0	0	167
	Others	0	0	0	0	0
PG Diploma recognised by statutory authority including university	Male	17	0	0	0	17
	Female	9	0	0	0	9
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	2	0	0	0	2
	Female	3	0	0	0	3
	Others	0	0	0	0	0
Diploma	Male	22	0	0	0	22
	Female	28	0	0	0	28
	Others	0	0	0	0	0
Certificate / Awareness	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Pre Doctoral (M.Phil)	Male	3	0	0	0	3
	Female	3	0	0	0	3
	Others	0	0	0	0	0

<b>Does the University offer any Integrated Programmes?</b>	Yes
<b>Total Number of Integrated Programme</b>	4

<b>Integrated Programme</b>	<b>From the State where university is located</b>	<b>From other States of India</b>	<b>NRI students</b>	<b>Foreign Students</b>	<b>Total</b>
Male	193	0	0	0	193
Female	156	0	0	0	156
Others	0	0	0	0	0

#### **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

#### **Accreditation Details**

<b>Cycle Info</b>	<b>Accreditation</b>	<b>Grade</b>	<b>CGPA</b>	<b>Upload Peer Team Report</b>
B+	2.62			
Cycle 2	Accreditation			
B	2.43			
Cycle 1	Accreditation	5		<a href="#">View Document</a>

## **2.3 EVALUATIVE REPORT OF THE DEPARTMENTS**

<b>Department Name</b>	<b>Upload Report</b>
Faculty Library Science	<a href="#">View Document</a>
Faculty Of Allied Health Science	<a href="#">View Document</a>
Faculty Of Education	<a href="#">View Document</a>
Faculty Of Libaral Arts	<a href="#">View Document</a>
Faculty Of Management Studies	<a href="#">View Document</a>
Faculty Of Physical Education	<a href="#">View Document</a>
Faculty Of Science And Technology	<a href="#">View Document</a>
Faculty Of Special Education	<a href="#">View Document</a>
Icfai Law School	<a href="#">View Document</a>



## Extended Profile

### 1 Program

#### 1.1

##### Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
33	23	17	16	11
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 1.2

##### Number of departments offering academic programmes

Response: 9

### 2 Students

#### 2.1

##### Number of students year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1987	1324	698	545	645
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 2.2

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

2018-19	2017-18	2016-17	2015-16	2014-15
530	340	315	145	370
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

2018-19	2017-18	2016-17	2015-16	2014-15
2120	1501	879	653	727
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

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

## 3 Teachers

### 3.1

#### Number of courses in all programs year-wise during last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1338	973	879	722	371
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

2018-19	2017-18	2016-17	2015-16	2014-15
135	104	72	50	34
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 3.3

**Number of sanctioned posts year-wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
140	115	88	67	52
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 programs year-wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
2811	2162	1515	974	592
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 last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
656	510	450	261	155
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**4.3****Total number of classrooms and seminar halls****Response: 102****4.4****Total number of computers in the campus for academic purpose****Response: 934**

## 4.5

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

2018-19	2017-18	2016-17	2015-16	2014-15
1536.11	1082.75	447.06	288.99	244.13

NAAC

## 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 Vision of the ICFAI University Tripura is to emerge not only as a Teaching and Research Institute but also as an institute that nurtures merit with ethics. The vision and mission of the University are reflected in the curriculum which aims at preparing the youth for the job market and start their own business. The University designs its own syllabus and courseware, review and upgrade the curriculum regularly, evaluate, and award degrees. It has also introduced new courses to cater to the growing needs of the stakeholders. The University is in the process of introducing online modular and certificate programs in the areas of topical interest. The periodical revision of curriculum by involving industrialists, entrepreneurs, alumni and prominent members of civic society recruiter enables the University to address the developmental needs of the community at the regional and national levels. The programmes offered by the various Departments periodically update its curriculum based on the recent developments and needs of the society and also by consulting with the top national and international educational institution/universities to enhance the quality of education and students' employability.

The focus on learning needs is comprehensively reflected in programme outcomes. Timely revision of syllabi and introduction of new courses enabled IUT to remain in sync with international and national trends. Some initiatives include:

- Many Departments/Centres offer programs with sufficient credits assigned to projects and internship, to encourage students to work on real life solutions/exploring field applications with commercial viability. Centre for Innovation and Entrepreneurship supports this endeavour.
- Postgraduate programs in Management Law, Physics, Chemistry, Mathematics, Education, Special Education, English Civil Engineering and Psychology incorporating emerging areas of studies and research.
- Other professional programmes offered are Cardiac Care Technology, Emergency Medical Technology, Dialysis Technology, Health Information Management, Medical Laboratory Technology, Sports, Yoga, Law, Special Education, Management and Clinical Psychology.
- Social Sciences Programmes include courses on environment-sustainability, public policy, governance, citizenship, democracy, social-exclusion/inclusion, human rights and ethics, comparative religion, women/gender studies besides fundamental courses in languages and teachers' education, political sciences, psychology and economics etc. Humanities and Languages have focus on Indian/foreign languages.
- Besides fundamental courses Engineering & Technology offer programmes in Nanotechnology,

remote sensing, instrumentation, state-of-the-art facilities for cutting-edge research, with strong inter-disciplinary focus.

- Computer Science and Computer Engineering departments offer advanced training to students on technology frameworks, protocol design and IT based applications across emerging verticals like Bioinformatics, Cyber Security, Big Data and Artificial Intelligence.
- Specialized courses are offered in Computational Mathematics, Control and Instrumentation, Electronics & Communication, Environmental Sciences, Machine Design, Thermal Production and Industrial Engineering.
- Management/Executive courses offered in Management, Entrepreneurship and Library/Information Science, Besides, courses on Mathematics and Education and Special Education
- New programmes in priority areas like Health Sciences, Clinical Psychology have been introduced.

File Description	Document
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:** 72.73

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

**Response:** 24

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

**Response:** 33

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>

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

**Response:** 10.77

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

2018-19	2017-18	2016-17	2015-16	2014-15
197	98	76	54	48

File Description	Document
Programme/ Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 1.2 Academic Flexibility

<p><b>1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.</b></p> <p><b>Response:</b> 68.83</p>	
<p><b>1.2.1.1 How many new courses were introduced within the last five years.</b></p> <p>Response: 967</p>	
<p><b>1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.</b></p> <p>Response: 1405</p>	
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>

<p><b>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).</b></p> <p><b>Response:</b> 100</p>	
<p><b>1.2.2.1 Number of Programmes in which CBCS / Elective course system implemented.</b></p> <p>Response: 33</p>	
File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any 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 ICFAI University Tripura strongly believes in the inculcation of human and social values, gender equality, professional ethics, promotion of environmental conservation and sustainable development among the students and research scholars through teaching, research and extra-curricular activities and cultural events organized regularly by various Departments/Centres, NSS, NCC, Scouts and Guides.

Almost in all the Programs at IUT have Environmental related subject/courses to familiarize students with environment and sustainable development related issues. Such courses are offered to students across the university to create awareness and impart basic ability to conceptualize the importance of environmental concerns; they are also sensitized about the ecology through extra-curricular activities like street plays, cultural events etc.

In order to create gender sensitivity among students under the banner of various courses subjects like Women & Criminal Law, Gender Studies, Feminist Theories are taught.

Faculty of Law also offers courses in Family/Labour Law, Women & Children, Family Patriarchy/Gender Justice, Social Transformation, Human Rights and Humanitarian Law. International Humanitarian Law. Besides, the Faculty of Special Education and Faculty of Education offer courses like Human Growth and Development, Educational Psychology, Human Rights in Education Community Studies Project etc.

There are courses dealing with not just gender but other societal issues, including caste, class and race, human values, ethics, environmental issues as well as cultural aspects. Some of these courses are Environment and Human Rights, Science, Technology and Human Rights, Social Movements and Human Rights in India, etc. Under ICFAI Law School courses such as Human Rights: Philosophical and Historical Foundations, International Humanitarian Law, Women's Rights etc. are taught.

Besides, courses on Economic Development, Environmental Law, Law and Disaster Management etc. are also offered. Faculty of Law offers a PG Diploma Program in Air & Space Law.



File Description	Document
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:** 78

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

Response: 78

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Brochure or any other document relating to value added courses	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 44.62

#### 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.

2018-19	2017-18	2016-17	2015-16	2014-15
742	561	261	368	248

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

**Response:** 59.79

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

Response: 1188

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>

## 1.4 Feedback System

<p><b>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</b></p> <p><b>Response:</b> A. All 4 of the above</p>	
File Description	Document
URL for stakeholder feedback report	<a href="#">View Document</a>
Institutional data in prescribed format	<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>

<p><b>1.4.2 Feedback processes of the institution may be classified as follows:</b></p> <p><b>Response:</b> A. Feedback collected, analysed and action taken and feedback available on website</p>	
File Description	Document
URL for feedback report	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

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

**Response:** 2

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

2018-19	2017-18	2016-17	2015-16	2014-15
1446	995	745	520	300

#### 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:** 74.61

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

2018-19	2017-18	2016-17	2015-16	2014-15
500	382	289	218	115

#### File Description

#### Document

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

[View Document](#)

Any additional information

[View Document](#)

### 2.2 Catering to Student Diversity

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

**Response:**

The institution has the Mentor-Mentee system to ensure that the students receive academic, emotional, professional and personal support from the time they join the Institute. The Mentor-Mentee system is available at all levels both for advanced and slow learners. As a part of that, the students are assigned to each faculty member in groups. Preferably, the students of a particular branch are assigned to the faculty members of that department. Apart from that, the University takes the following measures to assess the learning ability of the students-

Both the Advanced learners and the low learners are identified based on their performance outcomes through continuous comprehensive evaluation and interactions in the classroom by the faculty members. Their learning needs are addressed below:

- The university has the Academic Council Committee which has kept the provision for the Advanced Learners to complete their B.Tech programs within 3.5 years by taking one extra course each semester. The said committee has also kept the provision for the slow learners to complete their degree programs within 6 years.
- Remedial classes are organized and individualized specific instructional materials are provided.
- Level-appropriate academic guidance for utilizing library resources is provided.
- Parents are informed of the progress of their wards and the outcome of parent-teacher interaction meetings are implemented in spirit.
- Organizing Extra Classes during the semester
- Giving practice assignments
- Providing extra reading material to improve basic understanding of subject
- Engaging in social activities/class activities/institution activities to develop social skills
- Students are directed to appear for NET, SET, GATE and TET coaching classes for Competitive Examinations
- They are encouraged by endowment awards, proficiency prizes and best outgoing student awards for their outstanding performance in different academic activities.
- They are also motivated to participate in inter-collegiate competitions, quiz programmes and undertake innovative projects.
- The expenses incurred towards the participation of such events are met by the University.
- They are encouraged to write articles in magazines and publish articles in reputed journals.
- They are motivated and encouraged to attend summer training programmes organized by reputed research organizations
- Advanced learners are encouraged to undergo free on-line ICT enabled certificate courses offered by universities abroad
- The department of computer science provides course alternatives for advanced learners who have demonstrated higher competencies.

<b>File Description</b>	<b>Document</b>
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:** 14.72

File Description	Document
Any 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:**

Student-centric teaching-learning pedagogies have been adequately adopted by all departments/centres to cater to the learning aspirations of students. Classrooms are equipped with ICT-enabled facilities to provide an interactive mode of teaching-learning, engaging students in meaningful discussions, both individually and in groups. Pedagogies are adopted also to engage students in problem-solving, extracting practical utility of knowledge

- Lecture cum Demonstration methods (Laboratory experiments)
- Audio-visual method (Power Point presentation and video lessons)
- Group discussion and peer-team teaching
- Problem solving method through assignments
- Seminar presentation
- Experiential learning (Industrial visits, Field visits, study tour and projects)
- Learning by rural visit, with the students visiting the villages, living with the villagers and participating in their day-to-day activities to gain first-hand knowledge of society and building empathy
- Participating in supportive services of the disabled
- Poster presentation
- Preparation and Exhibiting models
- Guided composition and Free composition
- Web-based teaching
- Survey-based field project & Projects
- Case studies

Learning is made student-centric in the following ways also:

- Remedial coaching classes are conducted to the slow learners after working hours.
- Group discussion and case study methods are adopted
- In order to study and understand the psychological perspectives of fresher's admitted in all the courses, experienced faculty members interact with them. The outcome of this interaction helps the faculty members to plan/adapt/modify appropriate curricular and co-curricular activities during the course of the study.

Apart from the above, students of the university are given training in the following major areas

- Professional skill on the subject studying
- Computer skill
- Analytical skill
- Communication skill/ soft skill/ life skill

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

#### Response:

As the mission of the University is to offer world-class, innovative, career-oriented professional post-graduate and undergraduate programs through inclusive technology-aided pedagogies, so almost all the faculties of the university use ICT enabled tools for effective teaching-learning process. They used LCD Projectors, Video Conferencing, Apple Tabs, A-view, Google quiz, MOOCS and e-learning technology. A separate e-learning centre is established where resources like Multimedia Projectors, Public address system, Document cameras, Computers, Mooc's Desktops, laptops, Wifi , LAN-connected system , iPad are also used by the faculty.

IUT has good numbers of ICT-enabled classroom. The laboratories Seminar Halls, Auditorium, Senate Conference Room and other conference Room are well equipped with ICT facilities. In all there are 64 Lab and Seminar Halls. E-Learning centre helps the teachers in developing e-content in different subjects. Around 75% staffs are using ICT techniques in university.

Besides. more than 200 LMS courses have been developed by the faculties to strengthen the e-learning facility of the university. Apart from the above general ICT Tools are used by IUT faculties are Desktop and laptops, Projector, Digital cameras, Printer, Photocopier, tablets, Pen Drive, Ipads, Scanners, Microphones, interactive whiteboard, DVDs and CDs, Flash discs.

To conclude there is hesitation in saying that keeping in mind the rapidly changing world that is dominated by ICTs, the ICFAI University Tripura is determined to improve the quality education imparted in the university.

File Description	Document
Provide link for webpage describing the " LMS/ Academic management system"	<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:** 17.43

#### 2.3.3.1 Number of mentors

Response: 114

File Description	Document
mentor/mentee ratio	<a href="#">View Document</a>
Circulars pertaining to assigning mentors to mentees	<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: 81.74

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: 33.19

#### 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

2018-19	2017-18	2016-17	2015-16	2014-15
52	33	29	13	10

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: 3.57****2.4.3.1 Total experience of full-time teachers**

Response: 482

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>

**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: 0****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**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

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>

**2.5 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: 15.6****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**

2018-19	2017-18	2016-17	2015-16	2014-15
16	15	16	15	16



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

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

### 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:**

During the past few years, the examination section has undergone remarkable changes in terms of automation, and online processing, which has brought efficiency, transparency, is timesaving and guarantees ease to all stakeholders through its dedicated web portal with login facility for faculty, students and concerned officers.

Automation has extended access with equity to the programmes on offer in far flung areas of the country via e-prospectus, e-application forms, entrance test syllabi, admit card, examination date sheets, results and other notifications. As a result, the University has acquired large data of applicants together with academic performance, as input for further planning and development of various academic practices that may be adopted. Besides, diversity and exercise of choice of students is expanded, it; minimizes man-hours requirement and contributes towards the reduction of paper consumption and has thus proven to be eco-friendly.

The initiatives/steps taken by the controller of examinations in this direction include:

- Online hosting of e-brochure, answer keys for entrance exams.
- Online payment facility for admission fee via a secured payment gateway.
- Each Programme/ Course is uniquely identified in the system with credits which are worked out; regularly updated by the office with revision/introduction of new programmes courses based on inputs from concerned departments/centres.

- For regular exams, admit card and e-Forms are verified and approved by HoDs/Principals.
- Each concerned faculty member acquires login/password to enable online submission of marks of theory, practical, dissertation and internal assessment. The entries on the system are cross verified.
- Digital printing of Mark sheets/Degree certificates on non-tearable paper with in-built security features like seal, rainbow printing, watermark, encrypted barcode etc.
- ICT facilities are used by students for presenting seminars, synopsis of dissertation work, project work, activities of various clubs etc.
- Consolidation of Internal assessment and External Assessment marks using ERP software.
- The communicative skills of the students are assessed using the ICT facilities in the English Language Lab.
- Results processing is fully automated.

#### 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>

## 2.6 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:**

The institution has stated the generic and programme specific learning outcomes which are integrated into the assessment process and widely publicized through the website and other documents. The Program Educational Objectives (PEO), Program outcomes (PO) and Course Learning Outcomes (CLO) has been established through a consultative process involving all the stakeholders of the department. The program outcomes are identified as per the regulatory bodies such as NCTE, RCI, AICTE, UGC etc., to meet the global standards as well as the requirements of employers. The course outcomes are identified or assigned as per the content and objectives of the course within the programme framework. In general, the number of hours required for the course including theory and practical components, the weightage of content, the pattern of evaluation to be followed while assigning outcomes, are vital issues to be addressed by the

faculty and members of Board of Studies.

### **Mechanism of Communication:**

The syllabus is prepared based on the course outcomes that include objectives, content, text books and references. All the faculty members who are subject experts responsible for the course concerned will place the syllabus in the BoS meeting. After approval from BoS and Academic Council, the syllabus will be circulated to the respective members of the faculty. Then, all of them are apprised with the content and the expected outcomes. Later, the same syllabus is introduced to the students during the introductory session at the commencement of the course. The expected course outcomes along with assessment and evaluation patterns are also explained to the students. Copies of the syllabus are made available to the students through ERP Management system.

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

#### **Response:**

Students are awarded various degrees/diplomas on the basis of assessment in semester examinations. The objective of Examination is to evaluate the students' pursuit of program outcomes specified for different courses of various programme. Keeping in view the importance of examinations, developing a good examination system is a must. Thus, to have robust, reliable and credible examination/evaluation system and timely declaration of results is the main objective of the ICFAI University Tripura. The institution by conducting examinations in a fair and precise manner ensures the fulfilment of the above objective.

- The University has well-defined rules and procedures for easy and effective implementation.
- In order to have standard, uniform and credible process and to have better transparency, the examination system is computerized with the help of ERP Management System.
- Besides that, Continuous and comprehensive evaluation is implemented to take care of Scholastic and non-Scholastic aspects.
- Also, there is a scope of flexibility in the system, so as to adapt to the changing needs on continuous basis.

#### **Continuous Internal Assessment:**

- Continuous Internal Assessment is applied as a mechanism for monitoring the consistent, sustained learning outcomes of students in all programmes.
- There is complete transparency in internal assessment. In the beginning of the semester, faculty members will inform the students about the various components of internal assessment process form the respective courses.
- Students' learning outcomes are formally analysed using their level of competency in tests, seminars, assignments, presentations, projects, practical activities, field engagement and internship non regular basis.
- The barriers are identified through analysis of student performance in all the above key aspects and steps are taken to overcome these barriers.

- The corrected answer papers of the tests conducted periodically for the students are shown to them for verification and grievances, if any, are redressed immediately. The marks obtained by the students in internal assessment tests are displayed on the department notice board.
- Low achievers are identified on the basis of continuous assessment and corrective measures are taken to help them overcome their difficulties.
- High achievers are also identified and recommended for further enrichment activities in the classroom.

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

**Response:** 90.57

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 480

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

Response: 530

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>

## 2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

**Response:** 3.79

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

## 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 ICFAI University Tripura has a well defined policy framework to create and support research culture for developing and promoting scientific temper and research aptitudes among its teachers, staff and students. This policy helps to realize the vision and missions of the University and for contributing to national development by establishing an institutional fund and plan for facilitating their participation in research and related activities and by providing the required resources and appropriate facilities. It also is ensuring that the research activities of the University conform to all applicable rules and regulation as well as to the established standards and norms relating to safe and ethical conduct of research. The Policy encouraged the faculty members to do research work through **seed money scheme** of the University, to undertake various Government project and to undertake various non-government projects etc. University is providing financial assistances to the faculty members for presenting their research out come in National and International platforms. The policy is encouraging the faculty members by providing incentives to publish their quality research work in world standard journals. The policy is reviewed periodically by the Board of Management of the University and subject to revise accordingly as and when required.

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View Document</a>
Any additional information	<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:** 5.06

**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).**

2018-19	2017-18	2016-17	2015-16	2014-15
13.21	4.25	6.52	1.12	0.22

File Description	Document
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: 2.78

#### 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.

2018-19	2017-18	2016-17	2015-16	2014-15
2	4	3	2	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: 1

#### 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.

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	0	0

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:** A. 4 or more 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:** 11.11

**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.**

**Response:** 1

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

**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).**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0.3	0	0

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

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

**Response:** 35.08

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

2018-19	2017-18	2016-17	2015-16	2014-15
5.24	29.05	0.79	0	0

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

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

**Response:** 0.08

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

Response: 6

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

Response: 395

File Description	Document
Institutional data in prescribed format	<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:

ICFAI University Tripura has established an Innovation and Incubation centre to promote innovation and Entrepreneurship. The main objective of the IUTIIC is to produce successful firms that will leave the program financially viable and free-standing. These incubators “graduates” create job, commercialize new technologies, and strengthen national economies. Incubator tenants not only benefit from business and technical assistance, they also benefit from official affiliation with the incubator, a supportive community with an entrepreneurial environment, direct link to entrepreneurs, and immediate networking and commercial opportunities with other tenant firms.

##### The Ecosystem

IUTIIC aims to coordinate, synergize and leverage the various strands of excellence driving innovation and entrepreneurship in a thriving ecosystem consisting of research at the cutting edge of science and technology, a highly successful body facilitating industrial interactions, and incubation in sectors such as rural technologies, industrial solutions and social impact. IUTIIC supports members of the IUT including staff, students, alumni, faculty, and R&D partners, in creating successful business ventures.

##### Mission

“To motivate, build and promote out of box thinking, development of innovative ideas. To build an environment that will facilitate the creation of social enterprise knowledge through research and empower students to apply their entrepreneurship abilities to develop solutions for greater social impact through academia.”

##### Research

IUTIIC provides an enabling environment for both student and faculty researchers interested in social enterprise research within the IUT campus. Catalysing Innovation: Encouraging young innovators and entrepreneurs by assisting in the development of socially-beneficial products and ideas Collaboration: Creating an ecosystem that extends to other technology institutions. Overview IUTIIC is the umbrella body for nurturing and overseeing innovation and entrepreneurship at IUT, Tripura. The IUTIIC aims to build and share resources including space and infrastructure, access to business support services, mentoring, training programmes to enhance the skills of entrepreneurs and seed funds. The scope of support is broad-based and covers technologies/IP developed wholly at the Institute or partly through collaborations elsewhere, as well as external start-ups with which IUT members are associated as consultants or mentors. IUTIIC is also particularly open to proposals with strong social and strategic impact.

##### Start-up Initiatives:

Start-up & Incubation-Host Institute /Business Incubation (HI/BI) of ICFAI University Tripura is approved by MSME on 20/11/19. The start-up incubator centre is a platform designed to help new start-ups succeed. Incubations help entrepreneurs to solve some of the problems commonly associated with running a start up by providing workspace, seed funding, mentoring and training. The sole purpose of a start-up incubator to the university is to help emerging entrepreneurs grow their business. The most common start up incubator services which are provided by IUT are listed below:

Ø Help with business basics

Ø Networking opportunities

Ø Marketing assistance

Ø High-speed Internet access

Ø Accounting/financial management assistance

Ø Help with presentation skills

Ø Connections to strategic partners

Ø Access to angel investors or venture capital

Ø Comprehensive business training programs

Ø Advisory boards and mentors

Ø Help with business etiquette

Ø Technology commercialization assistance

Ø Help with regulatory compliance

Ø Intellectual property management

File Description	Document
Upload any 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: 25**

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

2018-19	2017-18	2016-17	2015-16	2014-15
10	9	3	1	2

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: 0**

#### 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.

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e- copies of award letters	<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:** E. None of the above

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

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

**Response:** 2

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

2018-19	2017-18	2016-17	2015-16	2014-15
1	0	0	1	0

<b>File Description</b>	<b>Document</b>
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:** 0.03

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

**Response:** 2

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

**Response:** 61

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<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:** 3.32

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

2018-19	2017-18	2016-17	2015-16	2014-15
76	56	46	39	45

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

### 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: 0.71**

**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**

2018-19	2017-18	2016-17	2015-16	2014-15
10	16	12	11	7

**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

[View Document](#)

Any additional information

[View Document](#)

**3.4.8 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed**

**Response: 3.55**

**3.4.9 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution**

**Response: 6.5**

**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:**

The ICFAI University Tripura has a well defined policy framework to create and support research culture for developing and promoting scientific temper and research aptitudes among its teachers, staff and students. This policy helps to realize the vision and missions of the University and for contributing to national development by establishing an institutional fund and plan for facilitating their participation in research and related activities and by providing the required resources and appropriate facilities. It also is ensuring that the research activities of the University conform to all applicable rules and regulation as well as to the established standards and norms relating to safe and ethical conduct of research. The Policy encouraged the faculty members to do research work through **seed money scheme** of the University, to undertake various Government project and to undertake various non-government projects etc. University is providing financial assistances to the faculty members for presenting their research out come in National and International platforms. The policy is encouraging the faculty members by providing incentives to publish their quality research work in world standard journals. The policy is reviewed periodically by the Board of Management of the University and subject to revise accordingly as and when required.

<b>File Description</b>	<b>Document</b>
Upload soft copy of the 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:** 9.1**3.5.2.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).**

2018-19	2017-18	2016-17	2015-16	2014-15
5.35	3.75	0	0	0

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts indicating the revenue generated through consultancy	<a href="#">View Document</a>
Any additional information	<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:**

ICFAI and Rehabilitation Council of India, New Delhi CRE activities for 2017-18, an approved CRE program on Individualized Education programming in Special Education for Special Educators was organized in Auditorium at The ICFAI University, Tripura from 12th to 16th June, 2017. A total of 32 Special Teachers took part, out of which 15 were from SSA, working as IERTs and one Special Teacher was from field of Specific Learning Disabilities Navodaya Vidyalaya. All 32 participants were awarded Certificates of CRE on "Individualized Education programming in Special Education for Intellectual Disabilities."

The programs were organized in collaboration with local panchayat samities Mohanpur and Bamutiya Block offices. Our program started on 3rd November to 1st December 2017 at 6 places from Kalachera Gram Panchayat, Rangacherra and Mohinipur Gram Panchayat, Kamalghat and Paschim Khamalghat Gram Panchayat, Bijoy Nagar Gram Panchayat, Gajaria & Satdubia Gram Panchayat, Mohanpur Block and Lembuchara, Bamutiya Block.

The objective of this program was Awareness and Sensitization among the school going children and their parents, Parents and teachers awareness, community awareness, peer group sensitization in inclusive set up and awareness on Special Education Day. Faculty briefed about the special educational services offered at Special Education Department of ICFAI University. The impact of the programme is Children and young adults with special needs have started to visit our Educational Lab at ICFAI University Campus thrice in a week, whereby they are given educational and rehabilitation training to Child with special needs by our teacher trainees and faculties. Faculty of Special Education has organized International Disability Day on 3rd December 2017. The rally started from BDO, Mohanpur Office and finished at Mohanpur high school covering 3 Kms. The procession started with huge enthusiasm, children with disability and teacher trainee actively participated with promotional slogans related to disabilities, awareness pamphlets were distributed among the local public. Shri Rakesh Acharya, Vice Chairman, Mohanpur Panchayat Samiti and children with disability flagged off the rally, near about 120 persons gave their presence in the program. Besides, Rehabilitation Council of India (RCI), New Delhi approved CRE program on "Individualized Education programming in Special Education for Special Educators" was organized in the Auditorium at The ICFAI University, Tripura from 12th to 16th June, 2017.

ICFAI University Educational lab was established for the purpose of provide services to the children with special needs. The children with special needs required special educational services along with the therapeutic, behaviour modification, so that the child will be able to fulfil his /her basic needs for independent living skills. This lab was established on November 2017, under the supervision of Faculty of Special Education.

### **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.**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

**File Description****Document**

Institutional data in prescribed format

[View Document](#)

e-copy of the award letters

[View Document](#)**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: 42****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**

2018-19	2017-18	2016-17	2015-16	2014-15
23	9	8	1	1

**File Description****Document**

Reports of the event organized

[View Document](#)

Institutional data in prescribed format

[View Document](#)**3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years****Response: 47.07****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.**

2018-19	2017-18	2016-17	2015-16	2014-15
2117	551	553	35	10

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<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: 5.8

##### 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.

2018-19	2017-18	2016-17	2015-16	2014-15
17	8	1	3	0

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

#### 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: 16

##### 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.

2018-19	2017-18	2016-17	2015-16	2014-15
2	6	4	3	1

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the MoUs with institution/ industry	<a href="#">View Document</a>

NAAC

## 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 infrastructure of the University is made to promote a good teaching and learning environment with modern facilities. The University has academic blocks, workshops, laboratories, faculty rooms, auditorium, seminar halls, computer labs, Language Lab with latest computing facility, well equipped library facilities. The campus also provides latest teaching aids and is Wi-Fi enabled. The University has constructed 33 smart class rooms to promote digital learning out of 102 class rooms. The university has modern technological environment to meet the academic needs of the students like LCD, LAN and Wi-Fi facilities in all the class rooms. Adequate numbers of Auditorium, Conference Halls with multimedia facilities have been constructed for organizing Conferences/Workshops/Seminars. The campus-wide LAN is powered by state-of-the-art open source networking software. 64 Laboratories and Central Library are equipped with adequate number of instructional resources catering to the specific research and curricular needs of the students and curricular transaction requirements of the faculty. The laboratories are designed with the safety features to create an excellent ambience and atmosphere for work.

File Description	Document
Upload any 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:**

Adequate numbers of Auditorium, Conference Halls with media facilities have been constructed for organizing various events. Open auditorium space is there for organizing various cultural events with large gathering.

The University has a separate physical education department for offering NCTE & UGC recognized physical education programmes ( BPES, BPED, DPED & PGD Yoga) and providing regular training. The students of physical education department are promoting games and sports among the students of the University. The students of the University have been participating in various the Inter and Intra University sports competitions organized under AIU.

The university has ultra-modern gymnasium for boys and girls. Latest and modern equipments such as Tread Mill, hip flexor, rowing machine, Dumbbell Barbell etc. are available in the Gym. Cricket, Basket ball, Volleyball , Shuttle Badminton, Sepak Takraw ,Tennikoit, Kho-kho, Kabadi, Football, Long & High jump, Athletic playground etc courts are there to promote games & sports. Rupen Bhowmik Yoga centre has been established to promote yoga culture. Table tennis, Carom , Daba, Chinese checkers, Ludo, etc indoor games facilities are there for all the students of the University. The University has the future plan to develop multipurpose indoor stadium , Lawn tennis court and swimming pool in the campus.

File Description	Document
Geotagged pictures	<a href="#">View Document</a>

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

##### Response:

The University campus having 32 acres of own land. It has over 6 lakhs sq. ft. of built-up area with academic blocks, workshops, laboratories, faculty rooms, auditorium, seminar halls and computer labs with latest computing facility, well equipped library, canteen, sports and recreation facilities. Rabbit hutch is there for the recreation of the students. STP, IRP, Childrens Park, Censory Park, 24 hrs, power supply with generator backup ans solar power station, several huts etc facilities are there for Students recreations. All buildings are equipped as per students' needs like water, electricity and ICT. They are supported with accessible and barrier free environment. Wheel chairs are located in every building to help especially abled persons. Facilities have been created to ensure a healthy green and peaceful atmosphere for residential students and faculty members with a cultural and spiritual touch. A separate hostel has been constructed for Research Scholars and bachelor faculty members with necessary facilities. Boys and Girls hostels have been constructed to accommodate maximum numbers of students comfortably with ultra modern furnishing facilities. Type-I, Type-II, Type-II quarters are available for the employees. University medical centre has been established for all students and staff to utilize free medical facility with Ambulance services, 24hrs residential Nurse, and visiting Doctors. Daycare centre has been established for women staff and students as per UGC guidelines. Four numbers of computer labs has been constructed exclusively for the students. Multi stored mess canteen, Dry canteen, Dairy parlor, Nestle parlor, Food corners; Common rooms etc are available in the campus. Bank ATM is there inside the campus. Local Post office and courier services are everyday providing services for the campus. Total infrastructure is made in view the changing scenario in IT sector. Career Counselling centre and Remedial Coaching Centers, Vivekananda study circle etc have been established for the benefit of students. The University has the future plan to construct Academic building with 110 more class rooms and 48 staff quarters.

File Description	Document
Upload any 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:** 26.31**4.1.4.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)**

2018-19	2017-18	2016-17	2015-16	2014-15
1284.83	157.98	87.09	26.79	11.09

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

Full-fledged automation system has been implemented by the University in the central library with computers, network, UPS facility and Server. Libsys-4 Software has been implemented as part of the automation since 2010. Issue, return, fine collection is fully automated through Libsys software. Full-fledged e-content has been developed. Primary access is already in use through OPAC and library gateway. National depository system is adopted through INFLIBNET. E-Sudhganga & e-sudhgongotri data base are using by initiating MOU. The library has a rich collection of print material supplemented by subscribed (DELNET, MANUPATRA, IEL, JSTORE, EBSCO etc.) and open accessed e-resources. It has good collection of derivative books, reference books, newspapers, magazines, journals, CDs, rare books, and Project report etc. It has a well organized library Committee as per guideline of UGC. The library is available with Photocopy Services, Current Awareness Services (New Arrivals Services and Current Content Services) Newspaper Clipping Service, News paper Editorial Services. Students and staff of the University avail themselves of the benefits of free internet access, computerized browsing e-resources. The library has e-zone equipped with 30 computers for browsing information resources. Each floor of library has OPAC terminal to facilitate easy search of information. The library is moving towards creating an institutional repository using D-Space software. From 2018 onwards the University also implemented ERP software for total academic automation including library.

**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:** 1979955**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)**

2018-19	2017-18	2016-17	2015-16	2014-15
2770760	2639245	1765000	1452000	1272770

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<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:** 9.9**4.2.4.1 Number of teachers and students using library per day over last one year**

Response: 210

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:** 32.35

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

Response: 33

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

The University has clear policy regarding Information Technology, The University has been always in the forefront adopting Latest technologies and providing IT enabled service to all its stakeholders. The policy provides a framework a use of IT infrastructure and also lays down policy maintaining the IT infrastructure at campus. The University has appropriate budgetary provision for expansion and updating its IT facilities including Wi-Fi. The University aimed to provide state of the art IT infrastructure and make all University activity and services through IT enabled. The IT policy conforms to legalize use of software systems and applications and to provide fail safe and secure IT infrastructure. The University has IT infrastructure The University has hardware infrastructure with 934 Computers and Latest HP PROLIANT GEN 9 Servers8 Nos for storage and smooth operation. These systems are powered mostly by Linux and/or Microsoft Windows software. The University has 35 Projectors, 41 Printers, 15 numbers online UPS. Networking infrastructure has been created with LAN for 540 nodes. For redundant internet 1.02 GBPS bandwidth are installed with load balancing from 2 ISP in Fiber mode, Wi-Fi network access points are installed throughout the Campus for internet browsing. SOPHOS XG550 Firewall Security for safe and secure internet. The University has campus network and Wi-Fi facility with around 1000 nodes. Fiber optic cables are made available for 1GBPS Intranet and efficient internet into the campus. Old and outdated computers are upgraded periodically with new and latest Hardware. Additional computing facilities are added based on the need arising out of requirements of students, research scholars and faculty. University has also Wi-Fi facility with the speed of 1.02GBPS leased line throughout the campus. All the computers are using for academic and administrative purpose. E-scan Antivirus security has been installed for end to end point Security. Windows 7,Windows 8.1, Windows 10,Office 2007, Office 2013,Office 2016, Ubuntu,Windows 2008 Server,Windows 2012 Server,SQL Server 2005, Visual Studio 2008,Adobe Acrobat Professional(PDF Writer), SPSS, Stadd Pro, Autocad 2017,VM Box,My SQL, Oracle 10g, Cisco Packets,Scilab, Star UML,Code Block, Weka, Netbeans, Python,Xamp, Cryptoo;Modelio,Notepad ++, TC,Java,Textmaker,Textmaker,Dev C++,S Studio,RStudio, ApacheTomcat, Koha,Soul, VSCode, Android, SAP,Anaconda,Textpad etc. softwares are using for the academic purpose.



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

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

**Response:** 2.13

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

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

**Response:** D. 50 MBPS - 250 MBPS

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
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<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:** 100

##### 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)

2018-19	2017-18	2016-17	2015-16	2014-15
1536.11	1082.75	447.06	288.99	244.13

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts	<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 University has a dedicated maintenance department responsible for carrying out the duties of all departments and is responsible for overseeing the maintenance of buildings, classrooms, laboratories, sports facilities, hostels, canteens, lawns, water supply, 33 KVA electric substation etc. The Maintenance Department is headed by a qualified technical expert and has support staff such as plumbers, electricians, carpenters, mechanics, etc. The maintenance of equipment for civil engineering, electrical engineering, water pumping plants, sewage, etc. are undertaken as per their preventive maintenance schedules, guidelines by the equipment supplier. The University sets a budget towards the maintenance and logistics - a portion of which budget is utilized for continuous up gradation of its facilities. The maintenance department also ensures uninterrupted power supply and maintenance of electrical assets. The maintenance of equipment like generator sets, general lighting, power distribution system, electrical substations with 2 transformers, LT Panel, HT Panel, RF improvement units, solar panels etc. are undertaken as per their preventive maintenance schedules, guidelines by the equipment supplier. The campus maintenance is monitored through surveillance cameras. Proper inspection is done and verification of stock takes place at the end of every year. Adequate in-house staff is employed to meticulously maintain hygiene, cleanliness and infrastructure on the campus to provide a congenial learning environment. Classrooms, staff rooms, conference halls and laboratories, etc. are cleaned and maintained regularly by non-teaching staff. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. At the vigorous location of the campus the green cover of the campus is well maintained by the engagement of full-time gardeners. All the departments take care of timely maintenance of the laboratory equipment. Most of the maintenance work is completed during summer break and a close monitoring of maintenance activities is a prime responsibility of heads of the departments. Maintenance of every new computer is covered under warranty for a maximum period of three years. The computers and accessories are tagged by date of purchase and supplier in order to effectively avail timely contractual maintenance support. After the expiry of the warranty period, the user of the equipment reports verbally to the purchase committee in the event of any kind of fault. A member then diagnoses the fault and takes appropriate action which may be one or more of servicing the fault by hired technicians, replacing the defective part, or replacing the entire equipment. The custom-made chairs and other furniture in the classrooms are maintained by the supplier on call basis. Easily serviceable defects in the LCD projectors are solved in house by

trained staff.

NAAC

## 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:** 134.62

**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)**

2018-19	2017-18	2016-17	2015-16	2014-15
2192	1597	1129	870	779

#### File Description

#### Document

Upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information

[View Document](#)

Institutional data in prescribed format

[View Document](#)

**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:** 29.36

**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**

2018-19	2017-18	2016-17	2015-16	2014-15
355	51	161	354	239

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

**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>
Any 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>

## 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:** 43.53

**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**

2018-19	2017-18	2016-17	2015-16	2014-15
15	38	116	2	45

**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**

2018-19	2017-18	2016-17	2015-16	2014-15
67	83	162	31	63

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

### 5.2.2 Average percentage of placement of outgoing students during the last five years

**Response:** 27.04

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

2018-19	2017-18	2016-17	2015-16	2014-15
104	68	176	47	27

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>

### 5.2.3 Percentage of student progression to higher education (previous graduating batch).

**Response:** 12.26

#### 5.2.3.1 Number of outgoing student progressing to higher education.

Response: 65

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Institutional data in prescribed format	<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:** 0

**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.**

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	00

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

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

**Response:**

The University has Student Council. This Council provide a platform for students to make management a part of their daily lives and practice leadership. The students through the platform organizes and participates in sports & games, in social & cultural events, and are given avenues to hone and exhibit their creative skills in fields as diverse as sketching and public speaking. Students also organize and participate in activities, which are borne out of social concern, like blood donation camps and environmental protection programs like Swachh Bharat Abhiyan.

Student Activities in IUT are fully conceived led and executed by the students. The activities of these student bodies are fully funded by the University. The Faculty of Management has an Inter-Club Coordination Committee, which represents all the student clubs, cells and committees in every domain (Marketing, Finance, Economics, Entrepreneurship, Culture, and Sports etc.). Students also participate successfully in state and national inter-business school

competitions. First year students are encouraged to be part of events of their choice and involve in the organization of events. The following events were celebrated: Engineers day celebrations, Fresher's day, Sports meet and Annual techno-cultural.

The Faculty of Law, funds the students for participating in Moot Court competitions. Participation in Moot Court is compulsory to the law students as it offers them experiential learning opportunities to develop effective written and oral communication skills. The preparation for written and oral pleadings also introduces them to research work. Apart from the Moot Court participation, students actively take part in

sports, cultural activities and in academic activities

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

**Response:** 17.2

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

2018-19	2017-18	2016-17	2015-16	2014-15
26	27	17	9	7

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

The ICFAI Tripura has a registered Alumni Association; IUT Alumni since its inception has been a part of different spheres of humanity services. The main motto of this association is to create a lifelong and worldwide community of alumni through increased opportunities for meaningful engagement in order to increase awareness, pride, participation, volunteer involvement, and philanthropic commitment to ICFAI University Tripura. Few objectives behind the formation of IUTAA (ICFAI University Tripura Alumni Association):

- Keep Alumni Conversant with the programs and activities of the University;
- Develop alumni programs that foster fellowship among alumni and encourage the physical, moral, and spiritual growth of the University; and,
- Assist the University in the growth of its academic, administrative, cultural and extracurricular activities.
- Build relationships and a sense of camaraderie among students and alumni.

The association has been conducting social welfare programs such as blood donation camp, free health checks up by the government registered doctors, free medicines distribution, providing adult education in



rural areas and visiting orphanages. The association participates in different rally every year that starts from NetajiSubhas Chandra Vidyaniketan in Agartala on 23rd of January for the last two years in celebration of Netaji's Birthday. The tableaux which have been designed by the association consist of several themes such as The Role of Indian Army in Uttarakhand Disaster in 2015, Yoga Education and the role of Special Education. Every year this association organizes medical or health awareness camps in different locality of the state. Last year the medical camp was held in Charilam, Sipahijala district. Of late, the association has conducted a health Camp at Nalchar Community Hall on December 24. The alumni association of this University conducted the camp with active support from Nalchar block and SeepahijalaZillaParishad.

The IUTAA has been performing different activities by keeping its true nature in its mind to establish a lifelong relationship with its alumni by promoting interaction with and among alumni highlighting its achievements. The association assists and advances the alumni in the pursuit of excellence, continue the friendships formed in the university, build strong and mutually beneficial ties between the university and its diverse alumni, promote goodwill in the community and create a dynamic alumni program that will stimulate interest, build loyalty, increase involvement and generate support for the university. The Alumni of the university conducted get together in Agartala, Gangtok, Aizwal and Imphal. Efforts are made to open IUTAA chapter in various cities across the country like Hydrebad, Bangalore, Guwahati, Gangtok, Itanagar, Shillong, Aizwal, Dimapur, Imphal etc

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

**Response:** E. <5 Lakhs

## 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 governance of the University is reflective of effective leadership and is in tune with the vision and mission of the University. The Vision and Mission statement defines the University's distinctive characteristics in terms of addressing the needs of students and society it seeks to serve.

The leadership at IUT includes the Vice Chancellor, down to the various officers at the Head Office like Pro-Vice Chancellor, Registrar, Controller of Examinations, Finance Officer, etc., all of them are appointed as per UGC Regulations.

The Vice Chancellor, as the Principal Executive and Academic Officer steers the University in fulfilment of its vision, mission and objectives leading the faculty and staff at all levels through developing five years Strategic Plan and setting up Broad Based Goals / Targets, responsibilities and review mechanism.

The faculty and staff members are involved by the University leadership in developing and implementing the management system at various levels. The faculty members are nominated in various statutory bodies and committees of University / Institutions for decision making and managing the various functioning of the University.

The Leadership of the University sets the direction for all the members of University IQACs to work collectively towards the vision and mission set by the University

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

**Response:**

As described in answer the Qualitative Metric 6.1.1, the University practises decentralised and participative management. The University ensures its members are empowered and a collegial and transparent atmosphere prevails in its affairs. It has 32 Committees consisting of teaching and non-teaching staffs who ensures majority of the decisions namely Research, Publication, Library, Sports, Disciplinary and Anti ragging, Social Media Networking & Website Development, Grievance Redressal, PR & Brand Building Print & Electronic Media, Placement, Alumni Affairs, Event Management, Women Harassment Redressal, Student Counselling, Hostel, Project and Consultancy, Academic Monitoring, Examination, Transportation, IUT Mess, Admission, Pantry & Hospitality, IUT Mess of Students. The University also organises government sponsored national and international levels seminars, workshops, conferences where students and faculties are actively participating for intellectual and academic benefit. At the same time different departments of the University also conduct different moral lecture sessions on socially relevant topics to motivate the students and faculties as well. The University also having a separate NCC wing established in the year 2017. Students from different departments have been selected as NCC Cadet and

they actively participate in different camps organised by NCC and represent the University. Besides, the university has NSS, Scouts and Guides units.

## 6.2 Strategy Development and Deployment

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

#### Response:

To ensure the quality education, the University has taken strategic plan with an objective to create a culture in support of teaching across the campus and to develop strategically focused, infrastructure support for research, scholarship and creativity which includes libraries, shared research facilities. It's also objected to progress towards diversity and strongly connect public engagement with IUT area of strength in education and research.

#### Strategic Plan

The University initiatives are directed towards the main priorities of the strategic plan. The strategic initiatives are based on five major areas. They are Education, Research, People, Engagement and partnership and Resources.

#### 1. Education

Through a commitment to the individual education of each student, we will provide a quality of education and experience for the students with values, skills and intellectual ability to enable them to make a positive contribution to society.

**EDUCATION PRIORITIES:** Aim to offer 80 programs by 2025, with a focus on strategically important areas and to reach 8000 students on role in the campus by 2025. Aim to create 480 scholarships by 2025.

#### 2. Research

The University should be world famous for its research excellence and home to some of the most talented scientists and scholars from across the globe.

**RESEARCH PRIORITIES:** Enhance the opportunities and support for early-career researchers. Invest substantially in the research environment, both human and physical by 2025.

#### 3. People

People are the foundation of the University's success and the quality of our academic, research, professional and support staff is critical to our future. To become best University for research and teaching,

the University has to recruit and support talented individuals and provide a diverse, inclusive, fair and open environment that allows staff to grow and flourish.

**PEOPLE PRIORITIES:** To increase the faculty member's strength .To achieve the goal of having 100% Pd.D holder faculty members.

#### 4. Engagement and partnership

By enhancing the public engagement, knowledge exchange and innovation culture of the University, we aim to ensure the research and education benefit wider publics in the north east region of India and globally.

**ENGAGEMENT AND PARTNERSHIP PRIORITIES:** To increase the numbers of MOUs up to 150 by 2025 for academic activities, internships, research collaborations, dual degree programs and teacher and student exchange programs.

#### 5. Resources

Enhancing the efficiency and effectiveness of our support services by simplifying systems and working together more collaboratively will be the key to delivering a sustainable platform to underpin education and research.

**RESOURCES PRIORITIES:** To reach up to the annual turnover of 200 Cores by 2025. To provide capital investment more in estate and IT. To construct new academic block with 200 classrooms as per the master plan by 2025. To construct 50 laboratories and amphitheatre with 1500 capacity as per the master plan by 2025. To construct 300 more hostel rooms and 100 employee quarters as per the master plan by 2025 including health centre.

*Besides the above, the University has also aimed various long-term and short-term strategies for duration of 5 years and 10 years.*

#### 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 ICFAI University is administered through the following tiers:

- The Chancellor is at the helm of affairs of the university as the President.
- The Vice Chancellor is appointed according to University Grants Commission (UGC) guidelines.
- The Registrar is the administrative head of the institution and is the ex-officio Secretary of the Board of Management.

- Deans are appointed to manage the academic activities of each Department. Heads of Departments, faculty members support the Deans in the smooth functioning of the academics.
- The administrative officers are appointed as per the UGC norms.

ICFAI has the following regulatory bodies:

- Board of Governors
- Board of Management
- Academic council etc.
- IQAC
- Board of Studies (BoS)
- Finance Committee
- Grievance Redressal Mechanism

#### **Board of Governors (BoG):**

The Board of Governors shall have the power to appoint Statutory Auditors of the University, To oversee the performance and review the decisions of other authorities of the University in case they are not in conformity with the provisions of the Act, Statutes or the Rules; To approve the budget, the annual report and Accounts of the University; To lay down policies to be followed by the University; To make new or additional Statutes and Rules or amend or repeal the earlier Statutes and Rules; To take decision about the voluntary winding up of the University and To approve proposals for submission to the State Government;

#### **Board of Management (BoM):**

The Board of Management of IUT and is chaired by the Vice Chancellor (VC). The BoM exercises full autonomy over academic and administrative affairs.

#### **Academic Council**

The Academic Council, the highest academic body of the University, is responsible for ensuring the standards of academic programmes. Its members advise the University in framing academic Regulations, Curriculum and Syllabi for its programmes.

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

The IQAC cell initiates, plans and supervises various administrative and academic activities that are necessary to enhance the quality of the education imparted in the Institution. It strives to maintain the quality standards in teaching, learning and evaluation.

**Finance Committee**

The Finance Committee monitors the utilization of funds and approves University's yearly budget. The audited statement of accounts of the University comes under the scrutiny of this committee.

**Board of Studies (BoS)**

BoS frames and revises the syllabi of the various courses whenever necessary and recommends the Academic Council for approval. All the academic related matters such as reforms in teaching learning process, evaluation, setting the panel of examiners are discussed.

**Grievance Redressal Mechanism**

Campus-wise Grievance Redressal Mechanism is in place, in order to address and mitigate the grievances of teachers and other stakeholders, if any.

File Description	Document
Any 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>
ERP (Enterprise Resource Planning) Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View Document</a>
Any 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:

The University has well-formulated mechanism to review periodically the progress and quality of teaching and non-teaching staff. This mechanism is implemented through the submission of Annual Self-Appraisal report reviewed by the Administrative Head of each Department.

The self-appraisal system by the teaching staff is very transparent and includes the following aspects of academic, administrative and research activities.

- Research experience and training
- Research projects carried out
- Participation in seminars, conferences, symposia, workshop etc
- Paper presentation in seminars, conferences, symposia, workshop etc.
- Details of faculty members who were invited as resource person/ guest faculty
- Details of publications
- Teaching experience
- Teaching Assignment
- Participation in corporation life
- Working on Project and consultancies
- Participation & contribution in the institutional building activities

The student evaluation of teachers also becomes a part of Performance Appraisal System of the Faculty. The students assess the performance of the teachers on certain variables such as use of ICT & different teaching strategies, communicative skills, General relationship with students, opportunities for learning experiences, classroom management and completion of syllabus on time by using four-point rating scale. This evaluation is carried out by the students at the end of each semester. Factors contributing to satisfaction in terms of the teacher concerned, teaching methods adopted, communication skills, use of ICT in teaching and ability to complete the syllabi portions are graded by the students.

A transparent and well-planned self-appraisal mechanism is being followed for the non-teaching staff. Reports from immediate authorities are also taken into account for the Annual Performance Appraisals. The following aspects are included in the self-appraisal format:

- Task assignment and execution
- Following institution ethics
- Participation in self-development programmes
- Participation in various activities

- Effective communication
- Effective team work
- Overall participation in the institutional building activities of the university

The collected appraisals from teaching and non-teaching staff are evaluated by the Academic and Administrative Heads of respective departments for further quality improvement and sustenance.

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:** 8.22

#### 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

2018-19	2017-18	2016-17	2015-16	2014-15
10	27	2	1	1

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template)	<a href="#">View Document</a>

#### Other Upload Files

1

[View Document](#)

### 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:** 4.4

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



2018-19	2017-18	2016-17	2015-16	2014-15
10	6	2	3	1

File Description	Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<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:** 1.97

##### **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**

2018-19	2017-18	2016-17	2015-16	2014-15
8	2	0	1	0

File Description	Document
Details of teachers attending professional development Programmes during the last five years (Data Template)	<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:**

The University mobilizes funds through the following internal and external sources:

**Internal Sources:**

- Fee collection from students
- Consultancy services & corporate training
- Borrowing from the Sponsor Society
- Research Project grants
- Participation fee in various conferences, seminars organized by the University.
- Sponsorships for various events, conferences, seminars, etc.
- Loan from financial institution

**External Sources:**

- Donations from philanthropists and alumni
- Endowment funds for establishing Chairs from Government and Non-government bodies
- Grants for Research activities from Government and Non-government Bodies
- Financial supports from collaborating agencies
- Grants from various Government and Non-government bodies for specific programmes/projects, like Yoga Fest, etc.

**Strategies for Mobilizing Resources:**

- Enhancing consultancy and corporate training: Initiatives are undertaken to improve the consultancy services and corporate training at all departments.
- Increasing student strength: Efforts through various means of advertisement are taken to improve the student strength in self-finance wings.
- Leveraging research grants: Faculty members and research scholars are encouraged to apply for research projects from Government and Non-government agencies. The University ensures the dissemination of information to the faculty members about the various funding agencies which provide financial assistance for major and minor research projects and organizing seminars/conferences/workshops.
- Improving Alumni participation: Alumni relationships are being strengthened through alumni meetings and alumni associations. Measures are taken to improve their contribution in the developmental activities of the University.
- Expanding Institution-industry Collaboration: The network with the industries would help immobilizing the resources.
- Conducting competitive examination, online test at the campus using the classroom and computers as resources.

**Optimal Utilization of Resources**

- The University ensures optimal utilization of resources through periodical monitoring, sharing of infrastructural facilities across departments, cross-checking with requirements of funds for each department, etc.
- Economy measures are carefully carried out through efficient recycling and remodelling as well as indigenous design and implementation.

Through these strategies the University plans to strengthen the mobilization of funds and maximum utilization of resources

**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).**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

**File Description****Document**

Details of Funds / Grants received from government bodies during the last five years (Data Template)

[View Document](#)**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:** 3.57**6.4.3.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)**

2018-19	2017-18	2016-17	2015-16	2014-15
1.36	0.65	1.04	0.52	0

**File Description****Document**

Institutional data in prescribed format

[View Document](#)

Annual statements of accounts

[View Document](#)**6.4.4 Institution conducts internal and external financial audits regularly****Response:**

- The Board of Governors shall appoint a qualified firm of Chartered Accountants to undertake the statutory audit of the accounts of the University.

- The first statutory auditors shall be appointed in the first meeting of the Board of Governors, and the subsequent statutory auditors shall be appointed at the meeting of the Board of Governors which is convened to approve the accounts of the previous period.
- The Board of Management may appoint Internal Auditors to conduct periodical and concurrent audit and report the findings to the Board of Management.
- The first accounting period of the University shall end on March 31, 2005. The subsequent accounting periods will be of duration of 12 months commencing on 1st April of that year and ending on 31st March of the following year.
- The accounts of the various divisions, departments, institutions and campuses of the University shall be consolidated by the Finance Officer and he shall make out the final annual accounts, consisting of the Income and Expenditure Account and the Balance Sheet of the University and place the same before the Finance Committee for their comments. The appropriations of excess income over expenditure or the absorption of excess of expenditure over the income shall be decided by the Finance Committee. The accounts will thereafter be adopted by the Board, after which they will be audited by the Auditors appointed by the Board of Governors.
- All the assets of the University shall be maintained in the name of the university and shall be used for the settlement of liabilities at the time of liquidation or closure of university under sections 47 and 48 of the Act.
- The accounts of the University shall be open to examination by the Chancellor, Vice- Chancellor, Registrar, Auditor of the University and any other person authorized by the Board of Governors or the Sponsor for the purpose.
- Every balance sheet and income and expenditure account of the University shall comply with the relevant accounting standards as may be prescribed by the Government of India in consultation with the National Advisory Committee on Accounting Standards.
- The Vice-chancellor shall place such audited financial statements before the Board of Governors,

along with the report of the Auditors for information.

- The Registrar, thereafter along with the annual report of the University, shall submit such financial statements to the Government as provided under section 45 of the Act.

## 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:

- The IQAC at all three levels continuously reviews the teaching-learning processes. The IQACs are supported by a robust system of continuous review of teaching-learning processes through dedicated Departments and Committees.
- The Programme Structure, Course Syllabus, Course Session Plan, Time-table, Master Academic Planning Worksheet are made available to the students before the commencement of the semester. Daily monitoring of conduct of the classes is done by the Academic office established in each department.
- The IQAC Cell ensures the deployment of the following Open Source Softwares by keeping in mind the cost-cutting issue of the university:
  1. Linux networking
  2. Learning Management System (LMS)
  3. Library Management System (LibMS)
- The University follows a strong and transparent Feedback Mechanism. The IQAC cell ensures that Feedback is obtained periodically from all the stakeholders viz teachers, students, parents, alumni and employers to review the curriculum of various programmes. Specific inputs are taken from these stakeholders to strengthen the academic processes.
- The frequency of the IQAC meetings are planned by each Chairperson according to the calendar/Time Table uploaded and approved by the competent authority. Also, all the processes right from admissions to convocation are monitored for compliance (pre, conduct and post) by IQAC.

**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

<b>File Description</b>	<b>Document</b>
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<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:**

**Improving Infrastructure:**

- The administrative and academic buildings of various Departments have been made barrier free.
- Refurbishing the buildings and furniture
- Upgrading Seminar Halls
- Establishing ICT enabled classrooms
- Well planned and maintained garden inside the campus
- Deployment of Open Source Softwares as cost-cutting measures: (i) Linux networking, (ii)
- Learning Management System (LMS) and (iii) Library Management System (LibMS)
- 3 new Auditorium constructed
- Academic buildings constructed and classrooms and faculty offices are added
- Laboratory building constructed
- Faculty quarters constructed

**Establishment of Laboratories:**

- Assistive Technology Lab
- High-speed Braille Printing unit
- Early Intervention Centre
- Vocational Training Centre
- Biotechnology Laboratory
- Sports Science Laboratory
- Adapted Physical Education Lab

- Information and Communications Technology Lab
- Plant Protection Laboratory
- Seed Technology Laboratory
- Soil Science Laboratory
- Design & Fabrication Laboratory
- Big Data Laboratories
- Computer Laboratories

### **Enriching academic and non-academic activities**

- Research Fellowship is introduced to the meritorious scholars
- Scholarship introduced to the meritorious scholars based on higher percentage of marks in 10+2 board exam and JEE/Tripura JEE ranks.
- Attendance norms are developed and followed.
- Regular use of ICT in curriculum transaction
- Standardization of low-cost organic production practices
- Part time works are assigned to needy students in the library and offices to provide them financial assistance.

### **Digitalization of Administrative Activities or (ICT and Automation)**

- Library automation
- Online admission
- Online publication of results
- Reduced liquid cash transactions
- SMS based information dissemination system to staff, students and parents

### **Library Augmentation**

- Addition of good number of books including texts and references.
- Installation of Library Management System software.
- Installation of Screen Reading Softwares for students with visual impairment and print disabilities.

Provision of special cabin for the students with disabilities for easy accessibility.

## 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:

The University organizes special programmes for gender sensitization. Besides, the institution has women grievances cell which looks after the issues pertaining to women in particular. Women Grievances cell is capable of dealing the cases (if any) very confidently with its team of functional head of the cell and a few women faculty members. The cell also conducts different activities to encourage women to fight against any kind of injustice shown towards them. Following facilities are provided by the university to show gender sensitivity

#### 1. Safety and Security

Safety and security measures, which are put into operation by the University to address gender sensitive issues, are mentioned below:

- All employees, students and stakeholders are always treated with utmost respect and dignity.
- Separate staff rooms with basic amenities are provided for women and girl students.
- Surveillance cameras are installed at various locations for safety purposes and to prevent unforeseen incidents.
- A fully functional dispensary a full-time doctor with nursing assistants is in place to offer medical care for minor medical issues and first aid.
- The campus is proved to be very secure due to its well-maintained security system.
- All the campuses of the university established in a secured pollution-free environment.
- Workshops are organised for stress free life in which special lectures are organised on gender sensitivity issues.
- Faculty members who are trained in counselling are made available to offer counselling, if necessary.

#### 2. Counseling

- Counseling services are offered whenever the need arises.
- Women mentors are allotted to counsel girl students based on their needs, thus helping them to overcome their problems.

#### 3. Common room

- Common room facilities are available at academic wings and hostels catering to the needs of both boys and girls. These rooms are sufficiently furnished and maintained with good hygiene and sanitation.



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>

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

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

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

File Description	Document
Geotagged Photographs	<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:**

#### 1.Solid Waste Management

The university has proper facility for solid waste management. The university has placed dustbins throughout at different places of the campus and in different departments. Finally the wastes are collected and store in a vat kept by Agartala Municipal Council in a specified place within the campus. Periodically the wastes are collected by the municipality for its sanitary disposal. In the campus some pits are built, in which biodegradable solid waste are processed in to manure and use in gardens. The canteen food waste is collected by man, who uses it for his cattle farming. The scrapes like wood, iron and plastics etc. are disposed periodically with the help of local scrap dealers.

## 1. Liquid Waste Management and Waste Water Management

The university has well planned drainage system, which protects the campus from stagnation and contamination of surface water and precautionary measures are taken to avoid the water borne disease. The liquid waste management and waste water are done by treating the liquid waste in sewage treatment plant and treated water is utilized properly for watering the plants throughout the campus and also for irrigation purposes.

## 1. Biomedical Waste Management

On an average the university produces 1 Kg/month solid and 1 Litre/month liquid biomedical wastes from academic microbiology, pathology laboratories. To manage these biomedical wastes there are separate dustbins are placed for different kinds of wastes as per the guidelines of biomedical waste management act 2016. For the necessary collection and incineration, we proposed an agreement with Agartala Municipal Corporation as per state law.

## 1.E – Waste Management

Most of the E-waste are repaired and reuse. The wastes which cannot be repaired and reuse, the disposal of these E- wastes are done periodically with the help of local scrap dealers.

## 1. Hazardous Chemicals and Radioactive Waste Management

Presently the chemicals produced in laboratories, are not that much hazardous, but whatever chemical wastes are produced, it goes in to a chemical soak pit. As far as radioactive waste is concerned there is no radioactive waste is produced.

The University promotes an effective system of segregation, collection, storage and eco-friendly disposal of waste. Faculty members and students are sensitized and encouraged regarding different kinds of waste management and environment-friendly practices like judicious use of resources, ban on plastic etc.

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>

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

File Description	Document
Geotagged photographs / videos of the facilities	<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:** 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>
Certification 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 ICFAI University Tripura is located at Kamalghat on the outskirts of Agartala City spreads over 32 acres of lush green campus enveloped with serene beauty and environment. Over 2800 strength of students along with about 140 faculty members come from various cultural backgrounds who carry forward their rich cultural diversities.

The University takes extra efforts in providing an inclusive environment for all the students and employees. Tolerance and Harmony to cultural, regional, linguistic, communal socioeconomic and other diversities is best achieved by the major events like Diwali Fest, Holi Fest, ICTHALON, NOVATOS & ICARIA at University level. Students have formed various clubs at the campus levels which also support and propagate the idea of diverse cultures. Different sports and cultural activities organized inside the

college promote harmony towards each other. Commemorative days like Women's day, Yoga day, International Mother Language Day along with many regional festivals. This establishes positive interaction among people of different racial and cultural backgrounds. There are different grievance redressed cells in the institute like Student grievance redressed cell, Women grievance redressed cell which deal with grievances without considering anyone's racial or cultural background. Institute has code of ethics for students and a separate code of ethics for teachers and other employees which has to be followed by each one of them irrespective of their cultural, regional, linguistic, communal socioeconomic and other diversities.

### **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 waving of the National Flag, which is hoisted every morning and lowered in the evening with utmost respect, at the top of the academic and administrative building is itself an indication of the initiative of the university in sensitizing students and employees of the institution towards their country, society and responsibilities. The IUT takes pride in the fact that apart from preparing a sound academic foundation of the student community; the University constantly works upon to develop them as better citizens of the country. In this regard, IUT, apart from imparting professional legal education, inculcates a feeling of oneness among the student community through various practices and programs. Various faculties have always been in the practice of organizing activities that not only initiate but also motivate the students to adopt various practices that promote the "Unity in Diversity" of our motherland. The University ensures that the students participate very enthusiastically in all such activities. Since the last five years, the ICFAI University has strived forward with great effort to increase the level of awareness and appropriate practices amongst the students with regard to the following areas:

**1. National Identities and Symbols:** The University has always taken various direct and indirect steps which promote the awareness about various National Identities and Symbols. The Indian Tri-colour stands tall at the main entrance of the University and in this way the University spreads the message of nation first policy. The main reception building of the University also houses the Tri-colour. The University celebrates the Independence Day & Republic Day with great pomp and vigour. The Faculty of Law organizes and celebrates the Constitution Day on an annual basis and thus contributes to the spreading of Constitutional values and ideals.

**2. Fundamental Duties and Rights of Indian Citizens:** The Faculty of Law, ICFAI University uses to organize various academic and co-curricular activities for the propagation of the Fundamental Duties and Rights of the Indian citizens. The students of IUT have enthusiastically participated in various programs like:

- Academic programs like Seminar, Conferences, Expert talks, etc which have enriched the awareness about these aspects.
- Various activities like poster making competition, etc.
- Organizing Annual Moot Court Competitions on various contemporary legal issues.

- Organizing various forms of legal aid and legal awareness camps to impart awareness of such issues.

**3. Constitutional Obligations:** On every 26th Nov, Constitution day is celebrated at the campus of IUT by inviting eminent personalities and academicians. In such program speakers often narrate about the fundamental rights, Duties, Values and responsibilities of citizens as stated in Constitution of India. An appeal is also made by them to all to remember the struggle of freedom and respect the National Flag and National Anthem.

Further, apart from the above mentioned activities, the University has also organized student centric activities like paper, poster & essay competition, which have always received huge participation from the students and promoted their awareness about various aspects of Indian citizenship

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

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

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

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

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

**Response:**

National festivals play an important role in planting seed of Nationalism and Patriotism among people of

India. ICFAI University Tripura celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders.

The Faculty, Staff and Students of the University all come together under one Umbrella to celebrate these occasions and spread the message of Unity, Peace, Love and Happiness throughout.

The University celebrates 26th January i.e. Republic day, every year, commemorating the adoption of Indian constitution and spreading the message that India is the largest democratic country in the world. This is a day to remind the students about the constitution of the country and the need to abide by it at all times. The celebration includes the hoisting of national flag and spreading a warm message of nationalism in a short speech by the Vice-Chancellor, Pro-Vice Chancellor and Registrar of the University. The sweets are distributed and sense of unity as Indians prevails in the air.

Independence Day is celebrated every year on 15th of August with same zest & zeal, where parades and flag hoisting is organized and is celebrated to mark freedom of India from British rule.

The ICFAI University encourages students to remember our national leaders and their sacrifices thereby celebrating the birth and death anniversaries of all the great Indian leaders.

Gandhi Jayanti is celebrated every year on 2nd October to understand the ideology of our great leader Mahatma Gandhi. In today's times when there is a violence and aggression all around, we inspire students of our university to follow the Gandhian ideologies of truth and non-violence and inspire them to contribute towards the peace and prosperity of the Nation.

The ICFAI University Tripura celebrates International Yoga day on 21st of June every year. The yoga Instructor organizes the yoga camp and a short speech is conducted to make everyone aware on how Yoga embodies unity of mind and body; thought and action; restraint and fulfillment.

Festivals like Diwali, Holi, are celebrated every year with great pomp and show. All the students of our university come together and celebrate it with great fervor & enthusiasm.

Keeping its Indian values intact, IUT imparts right kind of education based on moral values & ethics which makes our students responsible global citizens.

## 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:

#### Title: Student Centred Teaching & Learning

#### Objectives of the Practice:

- To make Teaching and learning process robust.
- To improve implementation of Outcome Based Education.
- To enrich upon various ICT based teaching methodologies.

#### Context:

- The teaching learning process is made effective through active classroom teaching including online platforms.
- A student-centred teaching approach recognizes learners of different levels in classroom and accordingly as per their level, relevant and purposeful learning is imparted.
- Outcome Based Education provides reflective insights along with the development of various technical skills assuring guaranteed outcome of learning by being employable graduates in the concerned field.
- ICT encourages self-learning among students by actively seeking their interest whereas the teachers support and guide them with their doubts and queries. It also helps in connecting one-to-one with the teachers for personalised learning experience due to limited classroom hours.

#### The Practice:

The student-centred classroom is personalised as per the batch of students insisting on dialogic or interactive session and integrating their past knowledge and experience to the intended outcome. A teacher prepares question paper considering blooms taxonomy and accordingly after assessment marks can be uploaded.

The teachers use various ICT tools and applications like Google Classroom, YouTube videos, Online Quiz, Blogs, etc. to ensure the learning of concepts. All the teachers ensure delivery of outcome-based learning by focussing on learners' knowledge, skills and attitudes of the students. The Institute uses Innovative Teaching & Exuberant Learning idea as a part of Student-Centred Teaching & Learning where the role of teacher is to facilitate and guide the students in their self-learning.

#### Evidence of Success:

- The increase of the pass percentage of students itself is an evident of success of the quality enhancement in the field of teaching learning process
- In comparison with that of the last year's admission, almost 70% more students have taken admission at the university
- Our university gives 100% placement to students
- A good number of final year students have taken admission in higher education
- The said revision has brought an active involvement of the students in the classroom where they not



- only contributed their own thoughts and ideas but involved themselves in self-directed activities.
- Students gained self-confidence and felt motivated which improved the overall students' performance.

### **Title of the practice: Enrichment of teaching methodology through ICT**

#### **Objectives of the Practice:**

- ? To promote chalk and talk method to technological method
- ? To motivate students towards innovative learning.
- ? To have unlimited resource in support of learning.
- ? To accelerate the teaching and learning efficiency
- ? To increase knowledge comprehension, practical skill and presentation skill

#### **The context:**

21st Century is the century of technology. Technology which is used in all aspects of life. Information and communication Technologies is potentially powerful tool for extending educational opportunities. ICT plays very important role in the development of knowledge. ICT has changed the teaching and learning process. Today Education has become student centred due to ICT. ICT has changed the traditional methods in teaching and learning process and introduced new methods which are effective and useful for students. There is a belief that ICT can empower teaching and learning process. Transforming teaching and learning processes from being teacher centric to student centric. Nowadays the role of Information and Communication Technology (ICT), especially internet in the education sector plays an important role. Educational ICT through curriculum integration has a significant and positive impact on student achievement, especially in terms of Knowledge Comprehension, Practical skill and Presentation skill in many subjects. Hence, we choose "Enrichment of teaching methodology through ICT" is one of our best practices.

#### **The practice:**

Information & Communications Technology (ICT) enabled teaching methodologies are being followed by the faculty members in class rooms as a complementary tool for conventional teaching methods. The use of multimedia teaching aids like, LCD projectors, smart classrooms and internet enabled computer systems are usually employed in class room. With the help of internet, anyone can browse e-books, subject matter, research article etc. During lockdown faculties conducted online classes and developed several e-courses in university LMS and MOOC platform.

#### **Evidence of success:**

Information and communication Technology is playing an important role in education. ICT can make teaching and learning process more effective and easier. Teaching-learning has become more student centric due to ICT. Students are performing better using ICT tools rather than traditional teaching method. Followings are areas which can be attributed as the evidence of success in terms of using ICT infrastructure in developing the teaching learning method-

- ICT infrastructure is used during lockdown to conduct online classes
- During lockdown faculties developed several e-courses in university LMS and MOOC platform.
- The faculty members have used multimedia presentation, video lectures etc. during teaching-learning process
- Online Examination was conducted during the lockdown phase
- All departments have conducted a good number of Webinars by inviting Resource Persons from various reputed institutions of the country

#### **Problems encountered and resources required**

- No major problems encountered.

### **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:**

As the mission of the university is to offer world class, innovative, career-oriented professional post graduate and undergraduate programs through inclusive technology-aided pedagogies, so the two primary areas distinctive to their priority and thrust are **Curriculum Development and Examination and Evaluation Patterns.**

##### **1. Curriculum Development-**

In HEI's, activities should start with daily silent prayer to recall the goal of all concerned: faculty and students and even other staff. Special forums like 'Invocation Forum' and initiatives like 'Industrial and/or Societal Domain Knowledge' can be engineered for knowledge development of students. Faculty in their own way should come forward to give counselling to the students for their all-round development.

The institution encourages faculties / departments to contribute to enrich the curriculum during the course of its revision. For the smooth flow of the syllabus, teachers are made to submit the course of their concerned courses in the beginning of every semester. The IQAC ensures quality in Curriculum development through regular meetings among the teaching staff regarding academic affairs and collecting feedback from various stakeholders. The institution captures the data pertaining to curriculum / syllabus by obtaining a well-articulated feedback from the faculty once a year as well as from the students during the final year of their course.

The curriculum, whenever gets developed by the concerned department by keeping Inclusion of field work, industrial visit and educational excursion in both Undergraduate and Post graduate levels.

Complementing traditional written examination with Project work and seminar presentation based evaluation.

### 1. Examination Pattern

Presently Examination department has been conducting two written exam in a semester viz Midterm and End term-

**1. Midterm Examination:** These examinations are being conducted at the middle of the course covering half of the syllabus and to make a preview of the understanding of the students on the subject matters.

**2. End term Examinations:** These are typically conducted by the university at the end of an academic term. The purpose of this examination is to make a final review of the topics covered and assessment of each student's knowledge of the subject at end of the academic term

**3. Continuous internal assessment:** These assessments are also conducted in every course and in every program. These are being conducted with a view to keep the conscious of the students and to keep them in track. These examinations include class room seminar, mock test, presentation, assignments, live projects, field study, practical experience, quiz class participation, case study analysis etc.

**4. Make up test:** These tests are also conducted for those students who remain unable to appear in Mid-term or Comprehensive examinations for some unavoidable circumstances. Separate question papers are set for such students.

### 1. Evaluation Patterns

The evaluation pattern underwent a metamorphosis with greater emphasis on class participation. Students as well as faculty members took time to adjust to this emerging scenario. IUT has been following two types of grading systems viz. Relative grading, where the allocated course instructors suggest or propose grades according to the marks and Absolute grading, where marks are put in to fixed grades. Course instructors check answer copies and show them to the students. If students will have any kind of doubts, they can consult and can make necessary correction by clearing doubts. After it is completed, the instructors send the complete marks to the Grading committee through mail for making final grades. The grading committee looks after the grading of the students according to the marks.

## 5. CONCLUSION

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### Additional Information :

The University has the following Long term strategic plans:

1. To create multistage indoor stadium.
2. Completion of Solar power plant with 200kw capacity.
3. Up gradation and expansion of Civil, Electronics, Mechanical and Electrical laboratories.
4. Continual increase of no. of MOU/ Collaboration through centre of excellence.
5. Carry out gap analysis of the existing department for capacity building in conformity with the requirement of industries and employability.
6. To impart latest knowledge regards various industries under private and public sector by regularly updating the syllabi.
7. To initiate introduction of new academic programme in tune with the changing socio economic scenario.
8. To produce quality PhD and publications with high impact and citation in biotechnology.
9. To have patents and to excel in selected areas of research
10. Teacher-student exchange at international level.
11. To develop modern swimming pool inside the campus.
12. To construct the approach roads inside the campus.
13. .To Encourage consultancy & research to integrate teaching and research.
14. To have funded research projects from various Government and non-government bodies.

### Concluding Remarks :

The University aims to offer World class, Innovative, Career-oriented post graduate and under graduate programmes through inclusive technology aided pedagogies to equip students with the requisite professional and life skills as well as social sensitivity and high sense of ethics. For this, the various professional values education programmes to inculcate moral and social values and create eco-consciousness among the students are integrated into and mainstreamed into the curricula rather than remaining stand-alone. All other educational activities mentioned in the Executive summary and Criteria-wise summary are just by-products flowing from

the above main focus. The University is contributing for providing high-quality education with State-of-the-art Campus with necessary hardware and software infrastructure, Facilitating research and publication, Employment generation, Socio-economic development, Improvement in school education through teacher training programs, development of service sector through manpower training, Industry interface etc. For providing quality and skill based education to the students, the University has established various Centers of Excellence to Promote Quality and all round development of the students. Incentives schemes have been introduced for quality publication by the Faculty members. IUT is also providing seed money to the Faculty members and researchers for enriching Research activity. The University trying is to fulfill a contemporary national need as also to emphasize the fundamentals of the Indian cultural and spiritual heritage embodying universal, non-sectarian and higher human values which need to be urgently incorporated in the present-day education. During last five years, the University has introduced 27 new professional and academic programmes where the student's growth increased up to three times (The numbers of admission reached to 2175 from 727). The University has also produced 1514 graduates, Post-graduates and Ph.D. during the last five years and served the society with best employment skills. Students are getting excellent placements to other countries through World Education Services (WES).

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.2	<p><b>Percentage of Programmes where syllabus revision was carried out during the last five years.</b></p> <p><b>1.1.2.1. How many Programmes were revised out of total number of Programmes offered during the last five years</b>            Answer before DVV Verification : 24            Answer after DVV Verification: 24</p> <p><b>1.1.2.2. Number of all Programmes offered by the institution during the last five years.</b>            Answer before DVV Verification : 29            Answer after DVV Verification: 33</p> <p>Remark : DVV has made the changes as per metric 1.1.</p>																				
1.1.3	<p><b>Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years</b></p> <p><b>1.1.3.1. Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>283</td> <td>129</td> <td>118</td> <td>71</td> <td>59</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>197</td> <td>98</td> <td>76</td> <td>54</td> <td>48</td> </tr> </tbody> </table> <p>Remark : DVV has made the changes as per not considered those courses having not focus on employability/ entrepreneurship/ skill development.</p>	2018-19	2017-18	2016-17	2015-16	2014-15	283	129	118	71	59	2018-19	2017-18	2016-17	2015-16	2014-15	197	98	76	54	48
2018-19	2017-18	2016-17	2015-16	2014-15																	
283	129	118	71	59																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
197	98	76	54	48																	
1.2.2	<p><b>Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).</b></p> <p><b>1.2.2.1. Number of Programmes in which CBCS / Elective course system implemented.</b>            Answer before DVV Verification : 38            Answer after DVV Verification: 33</p> <p>Remark : DVV has made the changes as per IIQA.</p>																				
2.1.1	<p><b>Demand Ratio (Average of last five years)</b></p> <p><b>2.1.1.1. Number of seats available year wise during the last five years</b>            Answer before DVV Verification:</p>																				

2018-19	2017-18	2016-17	2015-16	2014-15
1341	1020	750	522	310

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1446	995	745	520	300

Remark : DVV has not considered D. Ed. And Ph.D. Sanctioned seats.

**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**

**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**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
10	11	12	8	7

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

Remark : DVV has given the input zero by not considered awards received from HEI itself.

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

2.6.3.1. Total number of final year students who passed the examination conducted by Institution.

Answer before DVV Verification : 505

Answer after DVV Verification: 480

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

Answer before DVV Verification : 530

Answer after DVV Verification: 530

Remark : DVV has made the changes by not considered D.Ed. Special Education - Intellectual Disability from the pass percentage.

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

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).**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1321103	424830	652400	112310	22000

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
13.21	4.25	6.52	1.12	0.22

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)**

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.**

Answer before DVV Verification : 4

Answer after DVV Verification: 1

Remark : DVV has only considered that grant whom given to department not individual.

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
10	11	3	1	2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
10	9	3	1	2

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

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.**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
7	4	1	1	1



Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

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**

Answer before DVV Verification : A.. All of the above

Answer After DVV Verification: E. None of the above

Remark : DVV has select None of the above as document not as per SOP.

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
88	62	52	41	59

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
76	56	46	39	45

Remark : DVV has given the input as per verified the ISSN number from UGC Care list.

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**

**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**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
12	17	13	14	9

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
10	16	12	11	7

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
534850	375298	0	0	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
5.35	3.75	0	0	0

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**

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.**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	3	0	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

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**

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**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
31	13	10	2	2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
23	9	8	1	1

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

**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.**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
31	10	9	2	2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
2117	551	553	35	10

**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.**

**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.**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
3	11	7	4	2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
2	6	4	3	1

Remark : DVV has counted one MoUs once for a year.

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

**4.1.4.1. Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
2788.91	2392.89	2009.79	641.34	1014.55

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1284.83	157.98	87.09	26.79	11.09

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

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

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

Answer before DVV Verification : 350

Answer after DVV Verification: 210

Remark : DVV has made the changes as per logbook entries of using library online and offline.

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

**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)**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1459.75	1041.52	418.03	268.35	219.57

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1536.11	1082.75	447.06	288.99	244.13

Remark : DVV has made the changes as per provided report of Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary by HEI.

**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.**

**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.**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
27	18	10	4	1

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	00	00

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p><b>Number of programs offered year-wise for last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>38</td> <td>26</td> <td>24</td> <td>20</td> <td>12</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>33</td> <td>23</td> <td>17</td> <td>16</td> <td>11</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	38	26	24	20	12	2018-19	2017-18	2016-17	2015-16	2014-15	33	23	17	16	11
2018-19	2017-18	2016-17	2015-16	2014-15																	
38	26	24	20	12																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
33	23	17	16	11																	
2.1	<p><b>Number of students year-wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>2175</td> <td>1526</td> <td>879</td> <td>653</td> <td>727</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>1987</td> <td>1324</td> <td>698</td> <td>545</td> <td>645</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	2175	1526	879	653	727	2018-19	2017-18	2016-17	2015-16	2014-15	1987	1324	698	545	645
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2175	1526	879	653	727																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
1987	1324	698	545	645																	
2.2	<p><b>Number of outgoing / final year students year-wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>505</td> <td>302</td> <td>183</td> <td>161</td> <td>363</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>530</td> <td>340</td> <td>315</td> <td>145</td> <td>370</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	505	302	183	161	363	2018-19	2017-18	2016-17	2015-16	2014-15	530	340	315	145	370
2018-19	2017-18	2016-17	2015-16	2014-15																	
505	302	183	161	363																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
530	340	315	145	370																	

2.3 **Number of students appeared in the University examination year-wise during the last five years**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
2175	1526	879	653	727

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
2120	1501	879	653	727

2.4 **Number of revaluation applications year-wise during the last 5 years**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

3.1 **Number of courses in all programs year-wise during last five years**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1369	1010	914	753	402

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1338	973	879	722	371

4.1 **Number of eligible applications received for admissions to all the programs year-wise during last five years**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
2907	2251	1544	1029	592

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
2811	2162	1515	974	592

NAAC