



# **SELF STUDY REPORT**

**FOR**

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

**UNITED INSTITUTE OF TECHNOLOGY**

**GUDULAR, KOVUNDAMPLAYAM, PERIYANAIKANPALAYAM, COIMBATORE**

**- 641020**

**641020**

**<http://uit.ac.in>**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**January 2023**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

United Institute of Technology is established during the year 2009 and it is founded by Thiru.Shanmugam S, who is Civil Engineering graduate completed from Government College of Technology, Coimbatore. He is pioneer in this region who is pioneer in IT Education. The College was approved by AICTE, New Delhi and affiliated to Anna University, Chennai. The Institute was accredited by NAAC (Validity up to 15-09-2021), Certified by ISO 9001:2015 and running with UG Engineering programs in AIDS/CSE/CSE(CS)/ECE/IT/R&A departments. UIT collaborated with many Industries and academic Institution to promote students for experiential learning, placement, exchange programs, research and developments. Faculty members of UIT published 53 papers in peer reviewed journal for the past five years. The institution consistently encourages students to conduct various programs/events in association with Innovation/Statup's/Incubation and Design Thinking. Every department offers at least two value added course with the support of internal and industrial experts in latest technologies in the field of interest. Four of our faculty members filed patents in their respective field of interest.

### Vision

- Empowering students with competitive aspects of Engineering and Technology through innovative teaching-learning, applied research, nurturing their career with entrepreneurial prospects and thereby molding them to become good citizens with human values.

### Mission

- 1. To inculcate students with knowledge in cutting edge technologies through innovative teaching-learning processes.
- 2. To impart skills focusing on applied research-oriented learning.
- 3. To build engineers specialized in technical skills and entrepreneurial skills.
- 4. To develop great citizens with moral values confronting worldwide challenges

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

### Institutional Strength

- Qualified and Experience Faculty Members.
- Good Training and Placement record.
- Established Incubation Centres for training and product developments.
- Collaborated with Industries and academic Institutions to perform many activities such as Internship, placement, training and product development services
- Average academic pass percentage and is relatively good comparing with similar Institutions
- Promoting events under IIC, MIC, Self-driven and Celebration activities
- Organized appreciable extension activities with collaboration with third parties.

- Policies and maintenance
- Conducted many seminars/workshops for the benefit students and faculty members.
- Minimum two value added courses are conducted per academic year for all the departments as per the current Industrial scenario.
- Preparing Institute towards the implementation of National Educational Policies.
- Promoting faculty and students to participate and to receive Certificate NPTEL Programs.
- Management Scholarship to the eligible students.
- SC/ST Committee help the respective students to avail appropriate scholarships.
- Established an echo system to promote students for Entrepreneurship, Innovation, Start-up's, IPR, Design Thinking and so on. Our Institute has EDII Cell associated with EDII, Chennai and Institution Innovation Cell registered with MOI-IIC. Two of our team participated in SIH2022 grand finale.
- Very good physical sports complex with adequate facilities to prepare students to outperform in sports and games.
- IQAC Contribution towards Institutional Developments

### **Institutional Weakness**

- Faculty contribution towards publication is poor as par with the faculty strength
- Not received any Government grants for the last five years.
- Retention of skilled, qualified and experienced faculty member is not appreciable

### **Institutional Opportunity**

- The past five years of academic and additional credibility of the Institution will drive to become Autonomy against good grade from assessment and accreditation result of NAAC for the 2nd Cycle.
- Through EDII and Institute Innovation Council will promote students and faculty members to establish start-up companies.
- The Institute can attract faculty members with higher qualification, good academic records, technical skill set, research experience, product development exposure and so on.
- Retention rate of Faculty members can be improved.
- Establishment of Atal Incubation Centre.
- 100 % Admission for all the courses.
- Implementation of New Educational Policy.
- Filling of seat under reserved category.

### **Institutional Challenge**

- Receiving grant from the Government under several schemes.
- Recruiting many faculty members with Ph.D's per department especially Computer Science and Engineering related courses.
- Language barriers for the tamil medium students especially students coming from rural areas.
- Promoting students to persue higher education in abroad.
- Promoting students to register and clear Governmenet Examination for Job opportunities.

## 1.3 CRITERIA WISE SUMMARY

### Curricular Aspects

At the beginning of the academic year, the Anna University proposes the academic schedule and the Institution scrupulously follows it and the same is reflected in the academic calendar. Courses are allocated to faculty members based on their expertise. Subject handling faculty members prepare their lecture plan which contains the Course outcomes, planned and dates, mode of delivery, topics covered and the teaching methodologies employed.

During each semester internal assessment examinations are conducted and the exam time-table is prepared and disseminated to students in advance by displaying in the notice board. The students are informed regarding the syllabus coverage for each internal examination. Examinations are conducted at the end of each semester by the affiliating University. The Institute plans for curricular and co-curricular activities based on the available working/teaching days as per university norms.

College informs students about the university notices and circulars related to the examinations from time to time through student notice board, class notice board, departmental notice boards.

Every department planned to organize value added courses and 45 such courses were conducted for the last five years on various topics as per the current Industrial and placement requirements. Approximately 99% of students registered for the value-added courses and received certificate after scoring marks in the respective assessments. Few of the value added courses are endorsed by the Centre of Academic Courses, Anna University, Chennai and the assessment result is reflected in their academic grade sheet,

United Institute of Technology (UIT) focus on the cross-cutting issues like gender through the WEC Cell, Environment Sustainability through various tree plantation and outreach programs, Human values through the Induction program for Induction Program and Professional ethics through various courses in the curriculum.

Our Institution promotes students to undergo project work/filed work and Industrial visit. 115 students of current batch undertaken project work, 258 students went for Industrial visit and 42 students performed field work. The feedback is obtained from various stake holders and action taken report on the feedback is disseminated in Institutional website.

### Teaching-learning and Evaluation

The management publish the advertisement for admission during the beginning of every academic year. The students are admitted through Anna University Counselling and Management quota with the percentage of 60 % and 40% respectively. The Management admit students as per the community wise quota such as SC/ST/BC/MBC/OC category. Institution takes initiatives to admit students from other states too to cover widespread geographical area. The enrolment percentage for the past five academic year from 2017-18 to 2021-2022 is around 43% which is not an expectable admission data due to overall engineering admission crisis. Eligible students receive scholarship from the management.

Every academic year the management sanction the number of faculty members (Teaching/Non-Teaching and Other) to be maintained as per the Intake and the number of departments. Also, appropriate faculty cadre ratio is maintained. 1:10 is the teachers' students ratio maintaining by average as per the admission. Faculty

members are promoted to undergo technical training programmes through Seminars, Workshops and Industrial training associated with their field of academic expertise. Teaching faculty enrich their knowledge by attending workshops, FDPs, conferences and seminars. Faculty members availed financial assistance to attend the same. The average number of faculty members who had Ph.D. for the past five years is approximately 15%.

UIT adheres to the rules and regulations formulated by the affiliating Anna University for Internal and External Assessments.

The split up of marks for different regulation is given below

<b>Curriculum Regulation</b>	<b>Internal Marks (%)</b>	<b>External Marks (%)</b>
R2017	20	80
R2021	40	60

United Institute of Technology follows Outcome Based Education (OBE) through IQAC. POs are standard and COs are defined by the affiliating university. The faculty constructs COs based on course content and map corresponding PO using articulation matrix value as Low (1), Moderate (2) or High (3) and calculating weighted average for each PO, as threshold value. COs gives resultant knowledge and skills which the students acquire at the end of each course.

Students' satisfaction survey and appropriate feedback is taken during the end of the course and is analysed, appropriate action is taken and the same is depicted in our Host website.

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

United Institute of Technology support faculty and students in terms of financial support, resources required for research and developments. Every academic year faculty members in association with the students submit project proposals and the R&D Committee will approve and permit them to seek financial assistance from the management. About 215 lakhs of funds received from the management and as well us under Endowment funds which is greatly utilized for the faculty, students and overall Institution developments. Rs.7500 fund amount is received form the Tamil Nadu State Council of Science and Technology (TNSCST, Govt. of Tamilnadu). Twenty-six projects are completed and received the financial assistance to execute the same.

United Institute of Technology has created an ecosystem to impart innovations among students and faculty members through several ways such as participating in seminars/workshops outlined by the Ministry of Education's Innovation Cell, facilitating through Incubation centres, R&D Projects, filing patents, Innovation ambassador certification program, participating in smart India hackathons (SIH), ARIIA(Atal Ranking for Institutions on Innovation Achievements), KAPILA programs to promote patent publications, Implementation of national innovation and start-up policy. Four incubation centres were established.

To improve the capabilities of faculty and students on technologies/skills, fifty-four seminars/workshops were organized for the past five academic years from 2017-2018 onwards. Faculty members are encouraged to publish research papers in the journals prescribed in the UGC Care list and so for 53 papers are published in leading peer reviewed journals. Five books were published by our faculty members and fifty-three faculty members published papers in National/International conferences.

Extension activities are carried out in the neighbourhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years since 2017-18 and number of such activities carried out are 54. The institution receives recognition from numerous NGOs and government-recognized entities. Over the past five years, the institution received nearly 21 accolades.

Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., For the past five years the IIPC signed twenty-five MoUs and utilized for various activities such as Internship, Placement, Field Visit, Guest Lectures and so on.

## **Infrastructure and Learning Resources**

The United Institute of Technology (UIT) campus spreads over an area of 10 acres with a plinth area of 10093.75 sq. m. UIT has 18 airy, ICT-enabled classrooms with a seating capacity of 72, ranging from 83.02 sq. m. to 84.89 sq. m. each, 5 tutorial rooms ranging from 33 sq. m. to 66.88 sq. m., a Seminar Hall (297 sq. m.), a Drawing Hall (135 sq. m.), and a Studio Hall (150 sq. m.). The seminar hall and studio hall are available with a seating capacity of 350 and 150 respectively. IT has 33 well-equipped laboratories ranging from 66.6 to 70.81 sq. m., a Computer Centre (160.6 sq.m.), and a Language Laboratory (81 sq. m.).

UIT accommodates incubation centers namely ABDULKALAM RESEARCH CENTRE (33 sq. m.), ATMEL (33 sq. m.), FULLSTACK (83.63 sq. m.), VSCRIPT (83.63 sq. m.) and ARDUINO PROGRAMMING DEVELOPMENT CENTRE (33 sq. m.).

UIT playfield is about 12140.6 sq. m. The Institution has 3 qualified Physical Directors to train the students to participate in sports activities at different levels.

UIT strongly believes that Yoga keeps students and faculty healthy and fit. The Institution has separate areas of 500 sq. m. and 531 sq. m respectively for girls and boys to practice yoga.

The Central Library has a built-up area of 460 sq. m. The library contains 11500 titles and 53700 volumes and can accommodate 150 students at a time.

The library is partially automated and MODERN LIB (Version 2.0) is the software used for Circulation, The holdings include books, journals, syllabi, question papers, e-magazines, NPTEL and project reports. The user rate is 100-130 per day.

Around 25 % of expenditure excluding salary for Infrastructure augmentation during the last five years. Our Institution frequently updates the IT facilities as per the requirements and student's computer ration maintain is 1:18. Percentage of expenditure incurred on maintenance of infrastructure excluding salary component during the last five years is 35.76. 50 Mbps of internet connectivity is shared across the campus. The entire campus is powered with 24x7 50 Mbps internet connectivity and 26 Wi-Fi access points.

## **Student Support and Progression**

United Institute of Technology has various cells/committee such as placement cell, institute innovation council, grievance redressal cell, NSS, YRC etc. which aid the institution to promote students on various dimensions such as placement, internship, training, social responsibilities, culture, co-curricular and extracurricular

activities and so on. Management provides scholarship to the eligible students and the administration helps the students to seek scholarships from government and non-government funding agencies. Around 94% percentage of students benefited by scholarships and free ships provided by the Government and Non-Government agencies during last five years. Capacity building and skills enhancement programs are organised by the institution which includes in the area of soft skills, Language and communication skills, Life skills and ICT/computing skills. Every academic department organized value added courses to the students as per the latest Industrial requirements. Few of the value-added courses conducted are endorsed by Centre for Academic Courses, Anna University, Chennai and the evaluation result of such course are reflected in the University marks sheets.

Every faculty serve as a mentor for a bunch of students and they help, guide and counsel the students for their developments. Ninety-four percentage of students were benefitted through guidance from our training and placement and few cleared competitive examination. 74% of students placed in various Industries and Institution.

The students and faculty members can submit the grievance through class committed meeting, complaint box, online grievance form. The head of the Grievance redressal committee will review grievance and provide remedial measures within fifteen days. Provisions are given in the Institution website for grievance to submission. Two students appeared in national level examination and working in Government sectors. United Institute of Technology promote students in sports and cultural activities. Nearly 55 students received awards/medals for outstanding performance in sports/ cultural activities at university / state/ national level.

United Institute of Technology has registered an alumni association under Section 10 of the Tamil Nadu Societies Registration act 1975, Sl.no. 140 / 2014. The alumni meetings are conducted on a regular basis. Selected alumni participated in the ongoing academic activities such as teaching, workshops, conference events, personality development, and placements.

## **Governance, Leadership and Management**

Vision of our Institution is “Empowering students with competitive aspects of Engineering and Technology through innovative teaching-learning, applied research, nurturing their career with entrepreneurial prospects and thereby moulding them to become good citizens with human values.”

The institution delegates powers to the Principal and the Department heads to perform their duties meticulously to meet the vision of the institution. Various committees and cells are formed to actively perform associate activities with appropriate power.

The institutional perspective plan aligns with the vision and mission of the institution which are the constant driving factors for improving academic quality policies and strategies. One such broad area in which the Institutional Perspective and Strategic Plan has been successfully implemented is that of Teaching, Learning and Research and is effectively deployed to focus on bringing quality improvements. e-governance is implemented for admission, finance and accounts, students’ admission and support and Examination.

Approximately 52% of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years. Nearly 85% of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years.

The institution receives funds from various sources and utilizes for various activities. The important sources are students' fees collection, sponsorships and donations from non-government organizations and United Educational Trust contribution.

The IQAC of our Institution effectively work towards quality developments. The IQAC conducts regular meeting and at least four per academic year with committee members of IQAC. The IQAC initiate to collect Feedback, analysed and used for quality improvements and the same is published in our website. The cell initiates collaborating with other academic institution to organize programs under mutual consent of Interest. The institution participated and submitted under NIRF. ISO 9001:2005 certificate is received against appropriate audit.

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

United Institute of Technology provides quality education ensuring employment opportunities for our graduates. The Women's empowerment Cell will take care of any act or misconduct by a person in authority and belonging to one gender which denies equal opportunity in pursuit of career development or making the environment at workplace hostile or intimidating to a person belonging to fairer sex. To improve safety and security further within the Institution, vantage IRD 541 varifocal model IR CCTV Cameras are installed with desired storage space and IoT Facility.

United Institute of Technology makes merry different events with great interest to memorialize the thought of nationalism and to pay honour to our great National Leaders. Our Institution takes initiatives to organize programs/events National Handloom Day, Independence Day, International Photography Day, Teacher's Day, Onam, Engineer's Day, Voter's Day, Republic Day, National Science Day, International Women's Day, World Forest Day, World Water Day, World Earth Day, International Dance Day, World Environmental and International Yoga Day.

United Institution has facilities and initiatives for Alternate sources of energy and energy conservation measures such as Management of the various types of degradable and nondegradable waste, Water conservation, green campus initiatives and Disabled-friendly, barrier free environment. Quality audits on environment and energy regularly undertaken by the Institution and ISO 14001:2015 and ISO 50001:2018 standard certification is obtained. The institutional environment and energy initiatives are confirmed through the Green audit / Environment audit, Energy audit, Clean and green campus initiatives and beyond the campus environmental promotion activities. United Institute of Technology has wide diversity in the student community and maintains a harmonious atmosphere through various proactive measures. Initiatives are taken in providing an inclusive environment among students and faculty members.

The two best practices our Institution is maintaining are Enhancing Employability skills through effective placement cell and Go Green/Eco-friendly initiatives. The performance of the Institution in one of the distinctive area to its priority and thrust is our Industry Institution Partnership cell. The cell played great role to support various other cells/committees such as Placement & Training, Collaboration, Internship, Industrial visit and so on.



## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	UNITED INSTITUTE OF TECHNOLOGY
Address	Gudular, Kovundamplayam, Periyanaikanpalayam, Coimbatore - 641020
City	Coimbatore
State	Tamil Nadu
Pin	641020
Website	<a href="http://uit.ac.in">http://uit.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	S.ramkumar	0422-2692020	9688655599	0422-2697070	principal@uit.ac.in
IQAC / CIQA coordinator	M.kannan	0422-2988080	9025792828	-	kannan@uit.ac.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Tamil Nadu	Anna University	<a href="#">View Document</a>

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	29-12-2017	<a href="#">View Document</a>
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	03-07-2022	12	Approved by AICTE and Validity for one Academic Year
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AICTE	<a href="#">View Document</a>	03-07-2022	12	Approved by AICTE and Validity for one Academic Year

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

<b>Location and Area 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>
Main campus area	Gudular, Kovundamplayam, Periyanaikanpalayam, Coimbatore - 641020	Semi-urban	8.34	14294

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Computer Science And Engineering	48	Pass in Higher Secondary	English	60	49
UG	BE,Computer Science And Engineering	48	Pass in Higher Secondary	English	60	57
UG	BTech,Computer Science And Engineering	48	Pass in Higher Secondary	English	30	29
UG	BE,Electronics And Communication Engineering	48	Pass in Higher Secondary	English	60	49
UG	BTech,Artificial Intelligence And Data Science	48	Pass in Higher Secondary	English	60	60
UG	BE,Robotics And Automation	48	Pass in Higher Secondary	English	30	19

### Position Details of Faculty & Staff in the College

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	5				10				41			
Recruited	5	0	0	5	3	7	0	10	16	25	0	41
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				33
Recruited	20	13	0	33
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				14
Recruited	11	3	0	14
Yet to Recruit				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>
	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.	5	0	0	2	7	0	3	1	0	18
M.Phil.	0	0	0	0	0	0	2	6	0	8
PG	0	0	0	1	0	0	11	18	0	30
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	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	0	0	0	0	0

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	157	28	0	0	185
	Female	73	5	0	0	78
	Others	0	0	0	0	0

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

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	26	11	17	22
	Female	6	2	14	24
	Others	0	0	0	0
ST	Male	1	0	0	1
	Female	0	0	0	2
	Others	0	0	0	0
OBC	Male	83	49	15	46
	Female	42	19	12	17
	Others	0	0	0	0
General	Male	7	5	9	0
	Female	3	1	1	2
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		168	87	68	114

**Institutional preparedness for NEP**

1. Multidisciplinary/interdisciplinary:	The focus on making Engineering Students with learning of Multidisciplinary subjects are in place which largely benefit the students. As per the norms of AICTE, New Delhi and Anna University, Chennai,
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	<p>an echo system is established within the Institution to offer Multidisciplinary subjects through open elective courses. The students were given flexibility to select cross discipline subjects from the list of subjects given under open elective courses.</p>
2. Academic bank of credits (ABC):	<p>The Institution is under the process of registration on Academic Bank of Credits (ABC) via National Academic Depository (NAD). UIT welcome's the amendment of National Education Policy form the subsequent academic years as per the direction given by the State Government and affiliating Anna University, Chennai.</p>
3. Skill development:	<p>United Institute of Technology has separate committee to plan and execute programs under skill developments. Every department is directed by the Management and Higher Authorities to conduct the Value-Added Course which will be taught to the students without affecting the normal academic plan. Prior approval is received from the affiliating University and the value-added course contents are endorsed by the affiliating University. Faculty members are permitted to undergo technical training programs from Industries, and they will take care of handling the value-added courses. An assessment is conducted during the end of the value-added course and Certificates will the issued to the eligible students. The marks scored in the assessment are entered in Examination Management System of Anna University, Chennai and the same will be reflected in the Grade Sheets of the students.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>Teaching in Indian Language: The medium of Instruction in United Institute of Technology is English, all the courses were taught in English. But the faculty members will taught students in regional language for them to have a better understanding.  Culture: UIT has a fine arts club, a team constiuted by student members and faculty coordinator. This club is functioning to prmote cultural programs too. Students from different states studying here showcase their cultural activities through fine arts club. Using Online Course: Faculty Members and students are encouraged to undergo online courses offered by various online platforms such as Swayam and Ebox. Those who completed the online courses are rewarded commercially along with appreciation Corticates. UIT SPOC of Swayam conducts</p>



	<p>awareness programs to promote faculty and students to register the online courses under Swayam NPTEL. Faculty members and students are given appropriate training to make use of ICT tools effectively. Faculty conducts courses/special classes through ICT tools and also use the platforms for communication and assessment.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>United Institute of Technology follows Outcome Based Education (OBE). POs are standard and COs are defined by the affiliating university. However course handling faculty has the liberty to add /modify the COs based on the requirements. The faculty constructs COs based on course content and maps corresponding PO using articulation matrix value Low(1),Moderate(2) or High(3) and calculating weighted average for each PO, as threshold value. COs give resultant knowledge and skills which the students acquire at the end of each course. COs specify the cognitive processes offered by the course. The details (POs, PEOs and PSOs) are disseminated through the website, in department offices, faculty cabins, laboratory and department notice boards. The same will be printed and circulated among students as well. The students are aware of the COs during the introduction class and the Lecture plan will be disseminated among students for all the courses. Program Outcomes (POs) represents the knowledge, skills and attitude of the students gained at the end of their course completion. Program Specific Outcomes (PSOs) define the program outcomes which make the students realize knowledge and techniques that have direct implication for betterment in the society and its sustainability. During lecture hour and class committee meetings POs and PSOs are reviewed among the students and workforce. Program Educational Objectives (PEOs) outlines the professional achievements that graduates are prepared for, and the effectiveness of the program in making the students face the world wide challenges.</p>
<p>6. Distance education/online education:</p>	<p>United Institute is affiliated to Anna University and the governance on academic promotion based on the guidelines given by AICTE, New Delhi and Anna University, Chennai. No initiatives taken so far to promote students to register and progress distance education programs. Faculty Members and students are encouraged to undergo online courses offered by various online platforms such as Swayam and Ebox.</p>

Those who completed the online courses are rewarded commercially along with appreciation Corticates. UIT SPOC of Swayam conducts awareness programs to promote faculty and students to register the online courses under Swayam NPTEL. Faculty members and students are given appropriate training to make use of ICT tools effectively. Faculty conducts courses/special classes through ICT tools and also use the platforms for communication and assessment.

### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	But the NSS Wing of our intuition will conduct service-oriented programs to disseminate information's on electoral policy and constitutions.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	NSS cell of United Institute of Technolgy will promote students to organize functional events associated with Electoral literacy among students and neighboring community. Faculty and student's coordinator of this cell with organize these events.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	The NSS unit of our Institution conducts awareness camp on voters' day and organizes campaign on voters' facilitation.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	The Institue will formalize and take appropriate Initiatives through our NSS unit to carry our survey, awareness drives etc.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	NSS Unit of our Institution taken initiatives to promote eligible students for the enrollment in ELC. Internal awareness camp to sensitize electoral rights and registration as a voter.



## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
391	426	749	1158	1543

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

### 2 Teachers

#### 2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 161

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

#### 2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
61	70	78	95	107

### 3 Institution

#### 3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
158.67	273.34	371.34	296.15	483.82



## 4. Quality Indicator Framework(QIF)

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### Criterion 1 - Curricular Aspects

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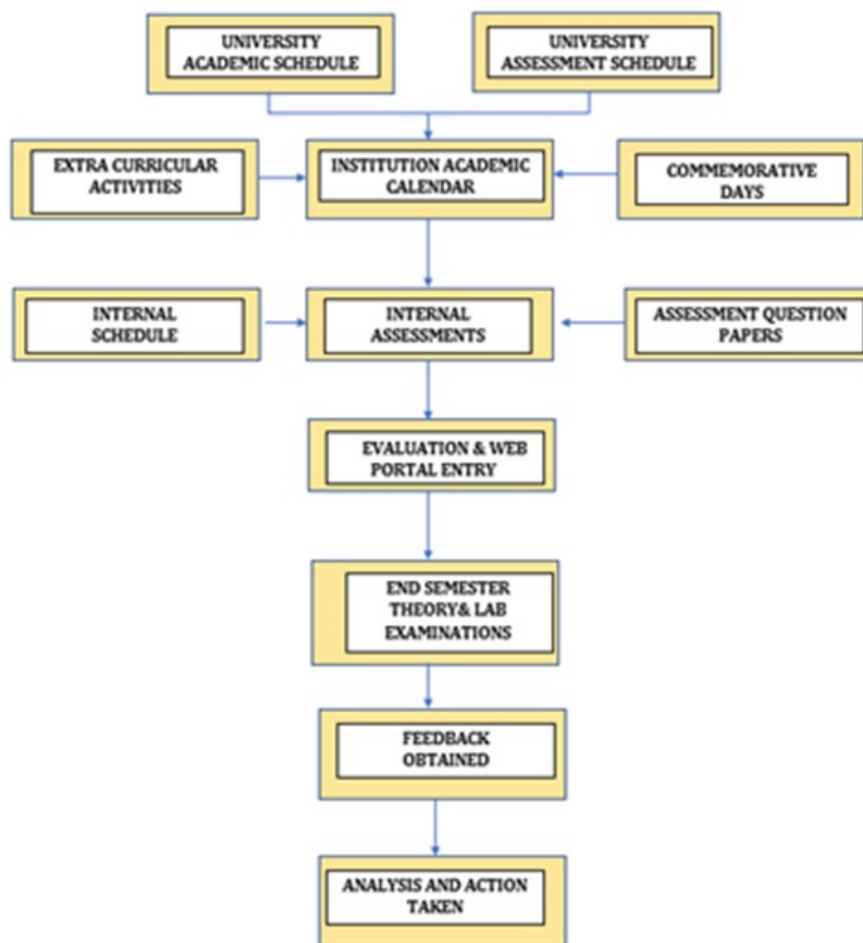
#### 1.1 Curricular Planning and Implementation

**1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment**

**Response:**

United Institute of Technology is affiliated to Anna University and approved by AICTE, New Delhi. At the beginning of the academic year, the University proposes the academic schedule and the Institution scrupulously follows it and the same is reflected in the academic calendar.

Courses are allocated to faculty members based on their expertise . The allocation of courses for both theory and lab is an unbiased process headed by HOD and approved by the Principal. Subject handling faculty members prepare their lecture plan which contains the Course outcomes, planned and dates, mode of delivery, topics covered and the teaching methodologies employed. Log books maintained by faculty members give a clear view on the completion status of course delivery at any time during and after the semester.

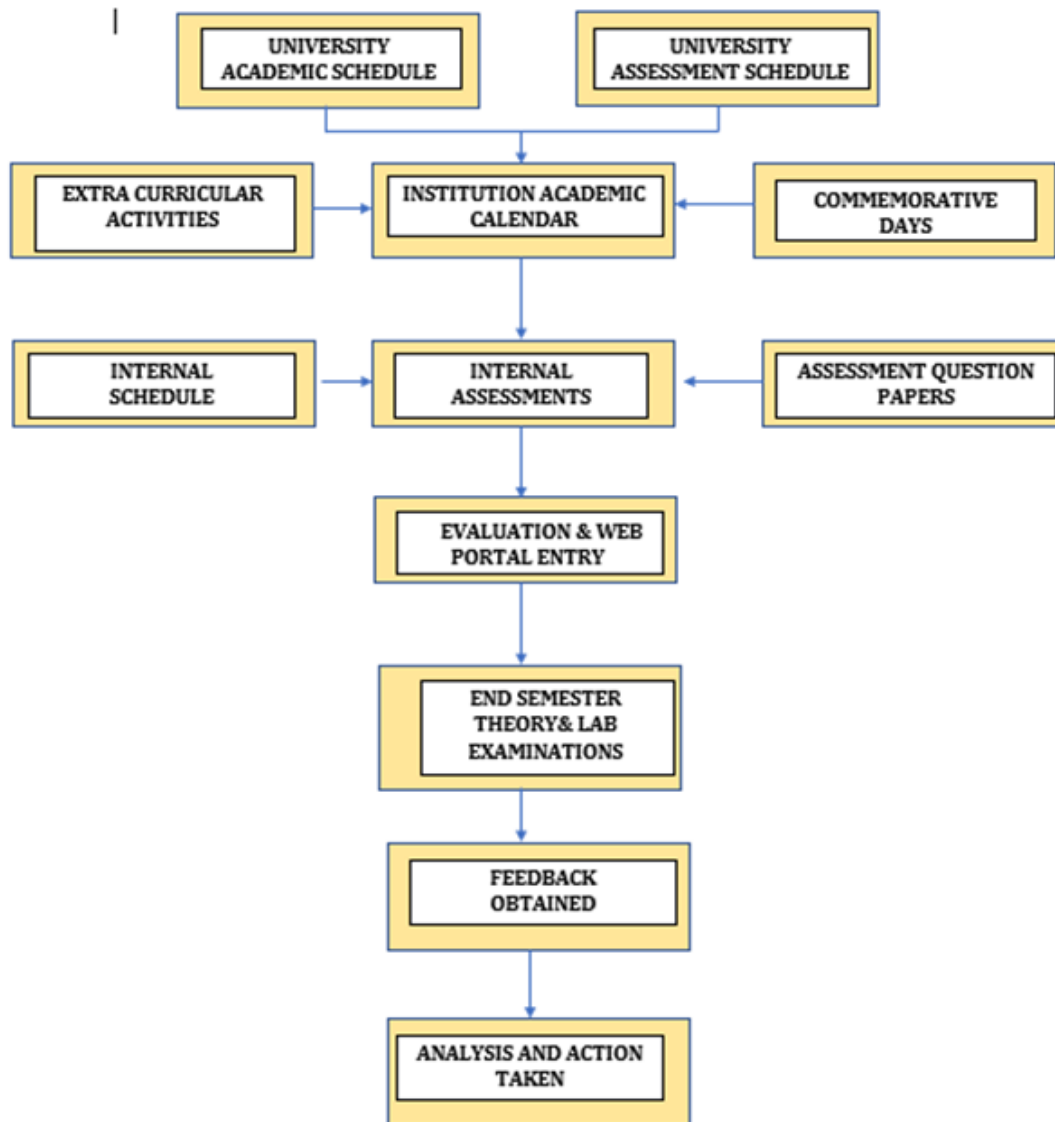


Class committee meetings are held periodically to review the academic progress and feedback from the students are obtained to take necessary actions. Based on feedback and the faculty expertise, various open elective and value-added programs are provided so as to fill the gap between the expectation and reality pertaining to the industry. Periodical reviews are conducted by the HODs and any grievances are addressed and the completion of syllabus is strictly monitored.

UIT provides technologically enabled infrastructure to all students. The UIT library offers access to a vast number of books and also e-resources to strengthen the teaching learning process. In order to enhance experiential learning, students are encouraged to attend internships and industrial visits are organized.

Faculty members are promoted to undergo technical training programmes through Seminars, Workshops and Industrial training associated with their field of academic expertise. The students are motivated to take up online Certification Courses to enhance their knowledge. Teaching faculty enrich their knowledge by attending workshops, FDPs, conferences and seminars .

The University publishes the academic schedule well in advance so that the Institution is well prepared for the forthcoming semester examinations and Internal examinations. The academic year starts on the date as prescribed by Anna University.



During each semester internal assessment examinations are conducted and the exam time-table is prepared and disseminated to students in advance by displaying in the notice board. The students are informed regarding the syllabus coverage for each internal examination. Examinations are conducted at the end of each semester by the affiliating University. The Institute plans for curricular and co-curricular activities based on the available working/teaching days as per university norms.

College informs students about the university notices and circulars related to the examinations from time to time through student notice board, class notice board, departmental notice boards and also verbally by the faculty members of the department. Internal assessment dates are also provided by the affiliating University to be conducted within that period.

Each continuous internal exam is well planned by the exam cell of the institution. The Syllabus for each internal exam is clearly defined at the beginning of the semester. The internal marks are entered in the Anna University web portal as declared by the university.



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

## 1.2 Academic Flexibility

1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years	
<b>Response:</b> 45	
File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

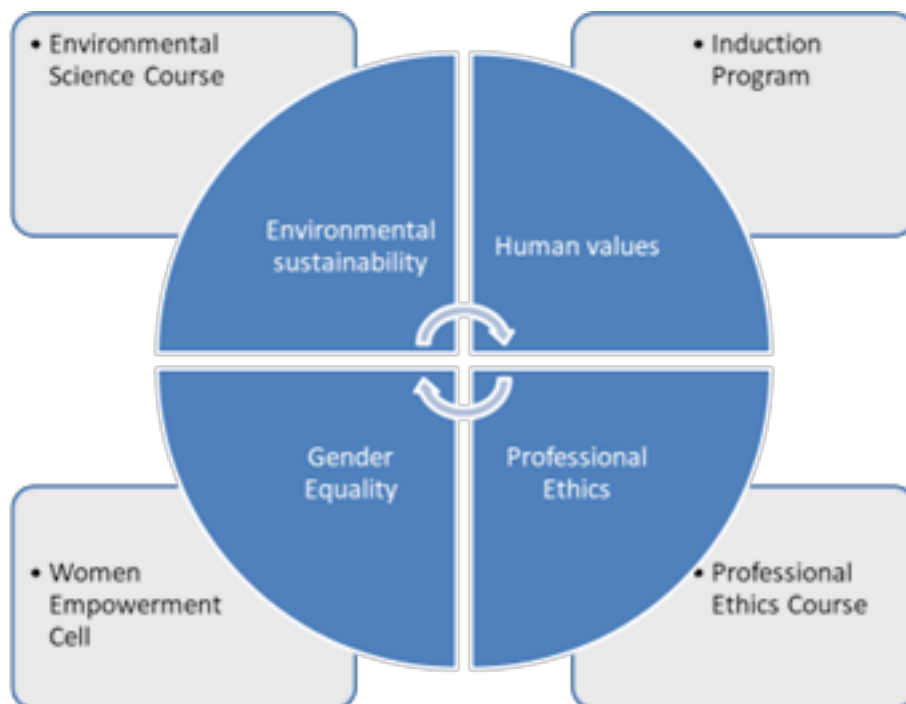
1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years				
<b>Response:</b> 90.7				
1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years				
2021-22	2020-21	2019-20	2018-19	2017-18
341	265	605	1117	1542
File Description	Document			
Upload supporting document	<a href="#">View Document</a>			
Institutional data in the prescribed format	<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
<b>Response:</b>
United Institute of Technology (UIT) focus on the cross-cutting issues like gender through the WEC Cell, Environment Sustainability through various tree plantation and outreach programs, Human values through the Induction program for Induction Program and Professional ethics through various courses in the

curriculum.

## CROSS CUTTING ISSUES



### Professional Ethics

Professional ethics are taught as part of their curriculum “GE8076-Professional Ethics in Engineering” which is studied by all the final year students. It educates students about Engineering ethics in the second unit and it also explains the environmental issues, ethics and social responsibility of a human being. It also inculcates the leadership quality to students. The Curriculum also teaches the moral and ethical values and develops the knowledge on the international aspect of management by celebrating the national and international level important days such as Independence Day, Republic Day, International yoga day, Engineer’s Day, International student’s day etc. Every year the Institution celebrates the Engineers Day in order to make the students realize their responsibility and duty towards our nation as a citizen.

### Human Values

Our institution enforces that no violation of human rights takes place. It has been taught into the curriculum by the course Professional Ethics in Engineering through which Moral and Human values has been educated to the students. Human values and rights are clearly explained in the course “GE8074 Human Rights” especially in the fifth unit like the value of Women, child, Disabled persons and Social Movements of them. Human value sessions are included in the first-year induction program. Institute educates the human value to all discipline students through soft skills training and Interpersonal skill training.

### Environmental Sustainability

As a part of the core curriculum “GE8291-Environmental Science and Engineering” is included for the first-year students of all disciplines. The course inculcates the students about the natural facts, interrelationship between living organisms and environment, integrated themes of biodiversity, natural

resources, pollution control and waste management. These issues have been addressed in various other courses in the curriculum namely CE8005-Airpollution and control engineering, it is concentrated on the basic concept of air quality management in terms of the environment. "EN8591-Municipal solid waste management" the course makes the students understands about the nature, characteristics of solid waste and design storage. "GE6083-Disaster Management" course specifies the types of disasters, causes and their impact on environment and society. The civil engineering students learn additional environmental courses are Environmental Engineering I and II, courses dealing with environment, water quality and public health.

### Gender Equality

Our Institution strongly upholds gender equivalence. Each activity conducted by the institute gives equal importance to men and women. Gender equality is achieved when women and men have equal rights, conditions and opportunities and the power to shape their own lives and contribute to the development of society. Our Institution has a Women Empowerment Cell (WEC) through which various programs and activities such as self-awareness, personal hygiene, and self-defence are organized to empower women. Counselling has been given to students on both personal and academic related issues.

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

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

Response: 95.4

#### 1.3.2.1 Number of students undertaking project work/field work / internships

Response: 373

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

## 1.4 Feedback System

**1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)**

**Response:** Yes

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Enrolment percentage

**Response:** 43.6

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

2021-22	2020-21	2019-20	2018-19	2017-18
168	87	68	114	302

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
240	240	307	397	511

#### File Description

#### Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

#### 2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

**Response:** 59.36

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

2021-22	2020-21	2019-20	2018-19	2017-18
157	81	59	112	292

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

2021-22	2020-21	2019-20	2018-19	2017-18
168	168	214	275	356

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

## 2.2 Student Teacher Ratio

### 2.2.1 Student – Full time Teacher Ratio (Data for the latest completed academic year)

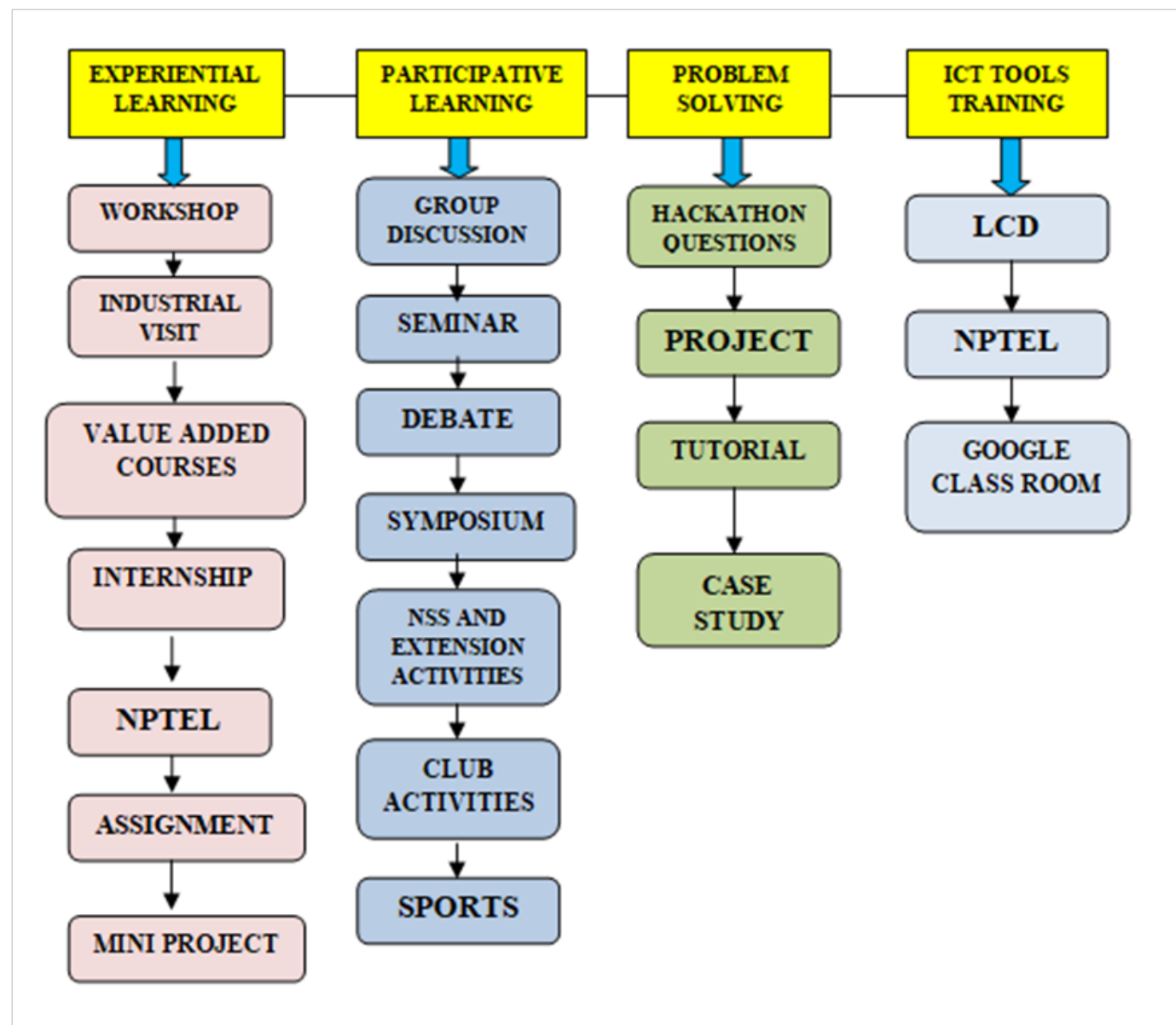
**Response:** 6.41

## 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 using ICT tools

**Response:**

United Institute of Technology focuses on learning outcomes as well as teaching methods and accordingly the teachers are sensitized and encouraged to use student's centric method in the teaching –learning process.



### Experiential learning, Participative learning, Problem Solving and usage of ICT Tools

#### EXPERIENTIAL LEARNING:

Following experiential learning practices are incorporated to enhance creativity and cognitive levels of the students.

- Workshop Sessions are conducted with content beyond syllabus experiments.
- Industrial Visits to engage them in experiential learning while visiting the organization.
- Value added courses.
- Internship Opportunity.
- Add-on Courses on latest technologies with NPTEL, Coursera etc.

- Project development on latest technologies by students where they show case their working mode in the technical fest.

**PARTICIPATIVE LEARNING:** Students participate in various activities such as seminar and group discussion. They are encouraged to participate in activities where they can use their specialized technical management skills, such as

- Group Discussion, Debate, Seminar – This is organized every year for the students of the college to provide students the opportunity to work in a collaborative and cooperative group setting.
- Symposium – The purpose is to conduct students to meet, discuss papers/topics in question, and examine the issues and trends associated with the topics.
- NSS and Extension activities- These activities develop students into ideal citizens with high moral values and society responsibility.
- Club activities – This will help students to develop sense of unity and teamwork, learning how to work with others in reaching the same goal.
- Sports – Sports teaches students to develop Team spirit, Leadership skills.

**PROBLEM SOLVING METHODS:** Encourage students to acquire and develop problem-solving skills. Following methods used to enhance problem solving techniques.

- Hackathon questions- It is an opportunity for students to learn new technical skills.
- Project development- Students to explore their curiosities, and form a new interest for learning.
- Tutorial – Enhance the student's technical skills.
- Case studies Discussion- provides students with scenarios to think about their understanding and solutions to problems found in real-world situation.

**ICT TOOLS:** Various teaching methods are implemented to improve the quality of teaching and learning experience. Institution facilitates students with digital libraries, to explore related courses through MOOC platform.

- **ICT INFRASTRUCTURE:** Every class room is provided with appropriate ICT Facilities such as LCD Projector, Internet Connectivity with Good Bandwidth of 75 Mbps, Audio facility with storage and cloud capabilities.
- Faculty members are well trained to make use of MOOC platforms such as Swayam NPTEL, Ebox etc. to access and to deliver online/offline lectures by eminent persons during lecture hours. Students and faculty members are trained and encouraged to make use of digital platforms such as Google Classrooms, Ebox, whatsapp for handling online classes, posting information, submission of



assignments, recording lectures etc.

- Faculty members and students access the Wi-fi throughout the campus. Our institution has Rovam Educational Management System, E-boxe-learning platform, IT infrastructure.

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

## 2.4 Teacher Profile and Quality

### 2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

**Response:** 100

#### 2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
61	70	78	95	107

File Description	Document
Upload supporting document	<a href="#">View Document</a>

### 2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

**Response:** 14.84

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

2021-22	2020-21	2019-20	2018-19	2017-18
18	18	10	10	5

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

## 2.5 Evaluation Process and Reforms

### 2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

#### Response:

United Institute of Technology adheres to the rules and regulations formulated by the affiliating Anna University. The University releases academic and the assessment schedule in advance enabling proper planning for the smooth conduct of Internal Examinations. The assessment schedules followed as per the academic calendar and any changes in it notified in advance. Total of three or two internal tests conducted as per the regulations with uniform syllabus coverage in all subjects.

The split up of marks for the different regulation is given below

Regulation	Internal Marks (%)	External Marks (%)
R2017	20	80
R2021	40	60

For effective conduction of internal Exams, coordinator is identified from each department. This team is responsible for hall and seating arrangement of students. A proper invigilation schedule and rules for invigilators are laid for hassle free conduct of Examinations.

The faculty in charge of the subject prepares a question bank covering all the important topics and references to previous year question papers. Faculty members set the question papers following revised blooms taxonomy and it is verified by the HOD and approved by Principal. The date of submission of Question paper is circulated ahead.

After the Examinations, evaluated answer scripts are submitted to the HOD within two working days. It is cross checked to ensure fairness of evaluation process. The absentees for the internal exam (for genuine reasons) may be permitted for re-test at HODs discretion. Every department disseminate the Internal examination results and as well as share galley sheet for the current semester containing results of end

semester examinations in the respective department noticeboard.

The Attendance and the internal test marks are uploaded in the University web portal as per the assessment schedule. After the completion of internals, University publishes the consolidated internal mark for each theory and practical subjects.

The institute has Internal examination grievance redressal committee constituted by EMS Coordinator, Principal, HOD's and department exam cell coordinators. Students are permitted to submit the letter of grievance in person or through web portal of UIT. The grievance redressal committee will address the internal examination issues too to resolve the same within three days from the date of submission.

Before the commencement of the external examinations, class advisors inform students on the code of ethics to be followed during examinations. The Chief Superintendent, University representative, Internal and External Invigilators jointly carry out the smooth functioning of university examinations. Student involved in malpractice will be booked seriously and have to face appropriate consequences as laid by the university.

The results published by Anna University can be viewed by the student using their login credentials. If the student is unhappy with results obtained then they can apply for revaluation. The student will get a copy of the answer script after paying the revaluation fee. The Subject expert in the college will again re-evaluate the answer script and award marks. The student based on the marks obtained may again apply for re-evaluation by paying the processing fee.

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

## 2.6 Student Performance and Learning Outcomes

### 2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

#### Response:

United Institute of Technology follows Outcome Based Education (OBE). POs are standard and COs are defined by affiliating university. The course handling faculty has liberty to add/modify the COs based on requirements. The faculty constructs COs based on course content and map corresponding PO using articulation matrix value Low(1), Moderate(2) or High(3) and calculating weighted average for each PO, as threshold value. COs gives resultant knowledge and skills which the students acquire at the end of each course. COs specifies the cognitive processes offered by course.

The details (POs, PEOs and PSOs) are disseminated through website, department office, faculty cabins,

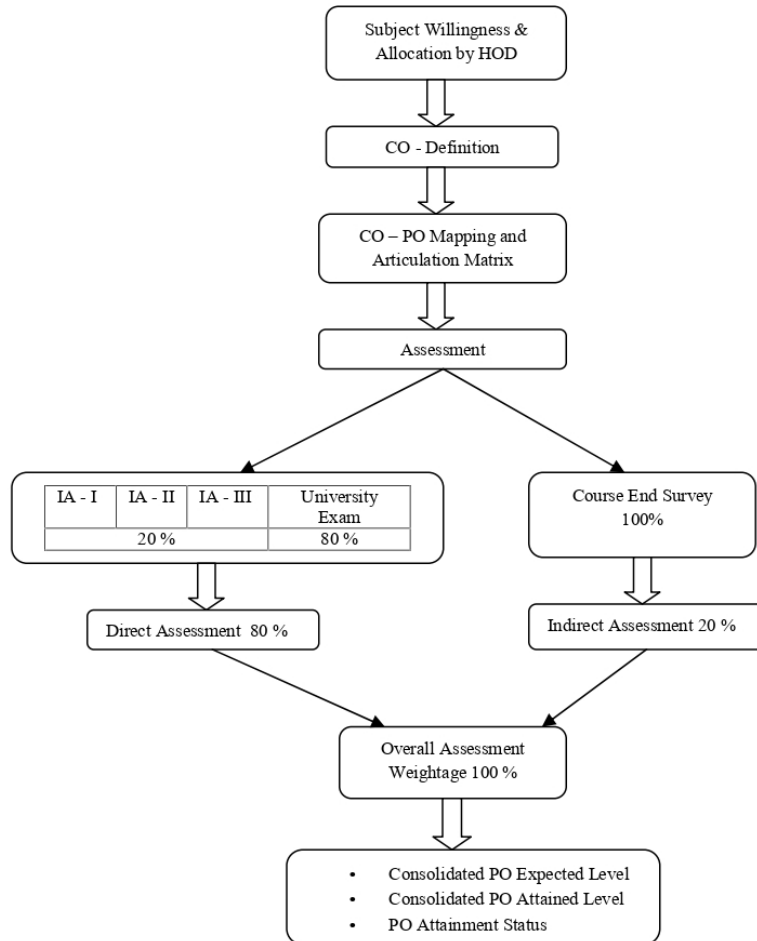
laboratory and department notice board. The same is printed and circulated among students. The students are aware of COs during introduction class and Lecture plan is disseminated among students for all courses.

Program Outcomes (POs) represents knowledge, skills and attitude of students gained at end of their course completion. Program Specific Outcomes defines program outcomes that make students to realize that knowledge and techniques have direct implication for betterment in society and its sustainability. During lecture hour and class committee meetings POs and PSOs are reviewed among students and workforce. Program Educational Objectives (PEOs) outlines the professional achievements that graduates are prepared for, and effectiveness of the program in making the students to face worldwide challenges.

**SCHEMATIC DIAGRAM FOR CO PO ATTAINMENT**

**BACHELOR OF ENGINEERING**

**REGULATION – 2017**



The CO attainment is calculated using direct and indirect assessment. The direct assessment is comprised

of Continuous Internal and University Examination with distributive weightage of 20 % and 80 % respectively and finally accountable for 80 % weightage for CO attainment calculations. The remaining 20 % of CO attainment is derived via indirect assessment based on the attainment of course end survey. If the course attained value is greater than or equal to threshold value, it results CO attainment has been met; if not then the faculty has to submit action plan for removing the gap during later semester. At last, the attainment of PO is calculated when students graduated.

The program attainment calculation is based on weighted average of CO attainment for the particular course. The CO-PO mapping contains four to six COs that is correlated with relevant program outcomes with any one of the level (1-Low, 2-Moderate, 3-High) or unmapped. The PO Attainment is calculated as

$$\text{POx attainment} = (\text{Weighted Average CO} \times \text{Expected Value of POx})/3$$

where 'x' will takes the value between 1 and 12 to point PO1 to PO12.

After the course completion, relevant POx attainment is derived. When the particular program gets completed and the graduates passed, average PO attainment is calculated for specific program accounting the entire course PO attainment and finally the value should be equal to or greater than weighted average of all the POs of all courses. If any of the PO is not attained for a program, then the gap is analyzed and appropriate action will be taken to be executed during subsequent years.

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

## 2.6.2 Pass percentage of Students during last five years

**Response:** 74.06

### 2.6.2.1 Number of final year students who passed the university examination year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
85	228	308	262	273

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

2021-22	2020-21	2019-20	2018-19	2017-18
90	233	370	451	417

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

## 2.7 Student Satisfaction Survey

<b>2.7.1 Online student satisfaction survey regarding teaching learning process</b>	
<b>Response: 3.93</b>	
<b>File Description</b>	<b>Document</b>
Upload database of all students on roll	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

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

**Response:** 215.03

**3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
49.71	69.65	22.05	71.995	1.62

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

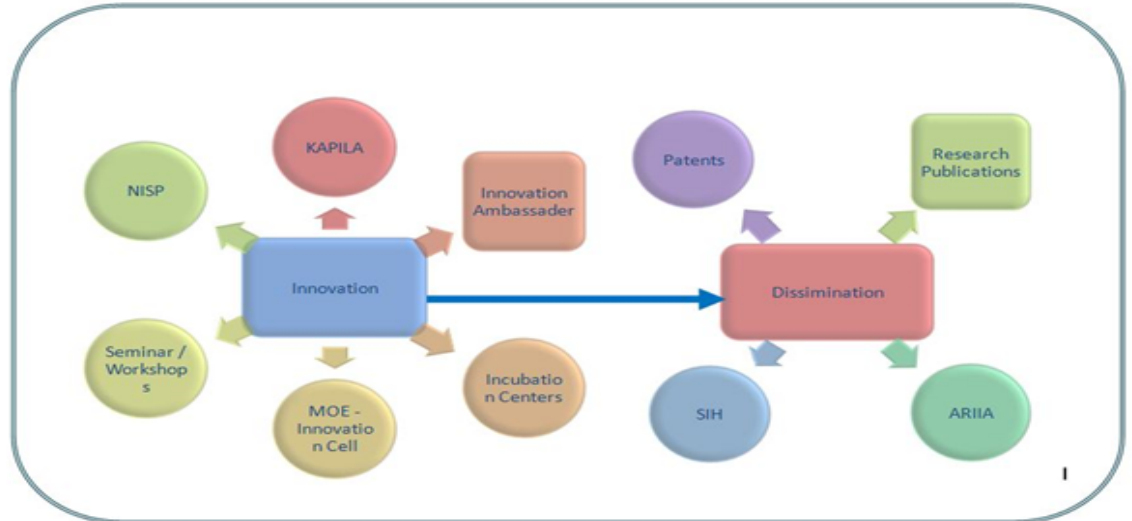
### 3.2 Innovation Ecosystem

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

**Response:**

The United Institute of Technology has created an ecosystem to impart innovations among students and faculty members through several ways such as participating in seminars/workshops outlined by the Ministry of Education's Innovation Cell, facilitating through Incubation centres, R&D Projects, filing patents, Innovation ambassador certification program, participating in smart India hackathons (SIH), ARIIA (Atal Ranking for Institutions on Innovation Achievements), KAPILA programs to promote patent publications, Implementation of national innovation and start-up policy.



**ECO SYSTEM IN UNITED INSTITUTE OF TECHNOLOGY TO PROMOTE INNOVATION**

Four incubation centres are established to develop an ecosystem to enhance and transfer knowledge as per the vision of the Institution. An exclusive Research and Development (R&D) Cell has been initialized to motivate the faculty members and students to do research projects from various funding agencies as well as with the financial support of the management. The Incubation Centre gives hands-on training to students to excel in various verticals and provides an opportunity for the students to enhance their knowledge.

**RESEARCH AND DEVELOPMENT (R&D) CELL**

The R&D cell conducts various seminars and workshops on various methodological approaches in research, patent drafting, awareness of IPR and Entrepreneurship development activities benefiting faculty and Students to register their works. Four faculty from UIT have patented their research work. The

Research and Development cell has the following incubation centres

### **FULL STACK DEVELOPMENT CENTRE**

A space of 83.3 sq. m. is allocated along with 15 computers (2.9 GHz i5 processor with 8 GB RAM and 1 TB Hard Disc Drive) with an active internet facility of speed 75 Mbps. This incubation centre was established in the year of 2020.

### **ABDUL KALAM RESEARCH CENTRE (ARC)**

The ARC has an area of 33 sq. m. with 2 desktops (2.9 GHz i7 processor with 8 GB RAM and 1 TB Hard Disc Drive). The centre was started in the year 2016 to provide the students with a space to create new product development as per the industrial need.

### **ATMEL INCUBATION CENTRE**

This centre was established in the year 2017 with a space of 55 sq. m. The centre facilitated 5 desktops (2.9 GHz i3 processor with 4 GB RAM and 500 GB Hard Disc Drive). ATMEL is a leading semiconductor manufacturer in the world, manufacturing various active and passive electronic devices.

### **V-SCRIPT SOLUTIONS**

Established in the year 2018 with a space of 83.3 sq. m. along with 5 desktops (2.9 GHz i3 processor with 8 GB RAM and 1 TB Hard Disc Drive). “V-Script Solutions” which supports the idea borne from students to create application reporting for Agile methodology.

### **ARDUINO PROGRAMMING DEVELOPMENT CENTRE**

Arduino programming development centre is an open-source hardware/software development community established in the year 2021 with a facility of 15 desktops (2.9 GHz i7 processor with 8 GB RAM and 1 TB Hard Disc Drive) accommodated with a space of 55 sq. m.

Every department promotes students and faculty members to visit industries to understand their operations and to know the existing problems faced by them.

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

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

**Response: 53**

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

2021-22	2020-21	2019-20	2018-19	2017-18
22	5	9	8	9

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

### 3.3 Research Publications and Awards

**3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

**Response: 0.33**

**3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
5	15	11	9	13

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

**3.3.2 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: 0.37**

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

2021-22	2020-21	2019-20	2018-19	2017-18
27	13	10	4	6

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

### 3.4 Extension Activities

**3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.**

#### Response:

Response:

The United Institute of Technology has conducted various events of social interest through which students learn extension activities that focus on the welfare of the neighboring community. It is planned year-wise on an average of twelve extension events and the institution is collaborating with various organizations to carry out the activities.

#### Clean Environment

The NSS wing organized Swachhata in association with Rotary Coimbatore Elite and it enlightened the importance of cleanliness. Other activities like Clean and Plastic free environments were conducted in the nearby communities. The students were educated through eminent speakers and awareness was spread to the public.

#### Accident Awareness Program.

UIT conducted road safety, helmet, and accidental awareness programs in collaboration with NGOs and local panchayat. The students enlightened the public about safety and it makes them follow traffic rules appropriately.

#### Tree plantation program

UIT joined with Sri Annai Karangal for a 5000-tree plantation event. The events emphasized the importance of tree plantation to the students and further led toward the reforestation journey. Other extension activities such as Save Tree & Soil and Standathon were organized in collaboration with Government HSS and Isha Yoga center.

### Awareness of various diseases

The Dengue awareness camp was jointly organized by UIT and the primary health care center. In order to create awareness, on the cause and effect of dengue was disseminated by experts. As a result, the students started to educate the public which led them to take steps to clean stagnant water.

A diabetes awareness camp was organized by NSS in collaboration with Rotary. Major issues related to chronic diseases & remedial measures by regularizing walking habits in day-to-day life. The camp on chikungunya, chickenpox, and HIV-AIDS awareness was also organized by UIT with collaborators.

Various programs such as Covid 19 awareness and Immunity boosting were conducted in association with a medical expert through online mode for students and their families. The students and public were acquainted with the effects of covid and the necessity to take utmost care to get away from this disease.

### Awareness program on social concern and service activities

UIT conducted various programs such as power consumption, women's mini walkathon, promoting reading habits, eye camp, motivational program, cyberbullying, gender equity, and anti-drug awareness program in association with NGOs and government bodies. It emphasizes improving their political, social, economic, and health status and received good attention from the public.

One of the service activities of blood donation and grouping camps was conducted by UIT in collaboration with NGOs and hospitals. It promotes sensitizing the student in medical emergencies and donating blood to the public. The food sponsor program was conducted at Varahi Ashram. The importance of taking care of the indigent was experienced by the students. Events like Svantantrah and Pongal celebrations were conducted by UIT along with ashram trust and the unprivileged children benefited through this program. The students also volunteered for various service activities in the temple like counting coins, supervising, and food distribution.



File Description	Document
Upload Additional information	<a href="#">View Document</a>
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**3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies**

**Response:**

The institution holds a number of socially relevant events and receives praise from numerous NGOs and government-recognized entities. Over the past five years, the institution has received nearly 23 accolades.

On account of world blood donation day, NACO in association with the Government blood bank, Mettupalayam recognized UIT for voluntary blood donation during the year 2022.

The following recognitions were received from the Government recognized bodies:

The social awareness programs organized are tree plantation, swachhata (cleaning awareness), and standathon (save soil) were recognized by Sri Annai Karangal Association, Rotary Elite Coimbatore, and Isha Yoga Centre respectively.

The food sponsor programs were recognized with certificates from Jeeva Karunya Ashram and Varahi Ashram.

The following laurels were received from Government bodies through NSS activities.

The Primary Health Care Centre, G koundampalayam certified the voluntary services rendered by the UIT students for the dengue awareness program. The events such as Power Consumption and Cyber Bullying were appreciated by the G kovandampalayam panchayat and appropriately received recognition certificates.

UIT in association with the Government hospital, Mettupalayam organized a blood nation camp and received a recognition certificate from the Government hospital.

The Government Higher Secondary school, Narasimanaickenpalayam appreciated the students of UIT for hosting a motivational program for school students.

File Description	Document
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**3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years**

**Response:** 54

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

2021-22	2020-21	2019-20	2018-19	2017-18
13	4	12	13	12

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

### 3.5 Collaboration

**3.5.1 Number of functional MoUs/linkages 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:** 25

<b>File Description</b>	<b>Document</b>
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## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

##### Response:

##### Physical Facilities:

The United Institute of Technology (UIT) campus spreads over an area of 10 acres with a plinth area of 10093.75 sq. m.

##### Classrooms:

- UIT has 18 airy, ICT-enabled classrooms with a seating capacity of 72, ranging from 83.02 sq. m. to 84.89 sq. m. each, 5 tutorial rooms ranging from 33 sq. m. to 66.88 sq. m., a Seminar Hall (297 sq. m.), a Drawing Hall (135 sq. m.), and a Studio Hall (150 sq. m.).
- The seminar hall and studio hall are available with a seating capacity of 350 and 150 respectively.

##### Laboratories:

- UIT has 33 well-equipped laboratories ranging from 66.6 to 70.81 sq. m., a Computer Center (160.6 sq.m.), and a Language Laboratory (81 sq. m.).

##### Computing Equipment

All the Departments are provided with adequate computers and accessories to carry out projects and research activities for the students and faculty. The entire campus is powered with 24x7 50 Mbps internet connectivity and 26 Wi-Fi access points.

##### Academic and Support Facilities

The Institute has adequate equipment like scanners, printers, microphones, speakers, and projectors to support the teaching-learning process. The institution has a dedicated Language Laboratory for students to enhance their communication skills.

##### Library

The central library of 460 sq. m. is automated with "MODERN LIB", the Library Management Software. adequate open-access journals (DELNET), e-books, thesis (Inflibnet), and e-magazines are available for reference.

##### Other Physical facilities

UIT accommodates incubation centers namely ABDULKALAM RESEARCH CENTRE (33 sq. m.), ATMEL (33 sq. m.), FULLSTACK (83.63 sq. m.), VSCRIPT (83.63 sq. m.) and ARDUINO PROGRAMMING DEVELOPMENT CENTRE (33 sq. m.) to initiate technical training and product developments within the campus. The institute has an additional open laboratory (200 sq. m.) equipped with Wi-Fi for students' use.

### **Cultural Activities**

The Institution stimulates students to participate in various cultural activities through cultural clubs benefiting them and appropriate resources are provided for practice.

### **Facilities for Sports and Games**

UIT playfield is about 12140.6 sq. m. The Institution has 3 qualified Physical Directors to train the students to participate in sports activities at different levels. The students are trained strenuously after working hours to participate in sports activities.

### **Games**

The Institution has the following sports facilities for the students to keep them mentally and physically fit.

#### **Outdoor Games Facilities**

- Volleyball Court
- Football Court
- Cricket Court
- Kho-Kho Courts
- Kabaddi court
- Handball Courts
- Tennis Courts
- Hockey Court
- Ball badminton Courts
- Throwball Courts and Athletics

### **Indoor Games**

Apart from outdoor games, the institute has a provision for indoor games such as

- Badminton Courts
- Carrom
- Snooker
- Chess

### Gymnasium Facilities

The Institution is equipped with a modern Unisex Gymnasium which consists of

- Treadmill
- Abdominal Bench
- Medicine Ball
- Weight Lifting.

### Yoga Center

UIT strongly believes that Yoga keeps students and faculty healthy and fit. The Institution has separate areas of 500 sq. m. and 531 sq. m respectively for girls and boys to practice yoga.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
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#### 4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

**Response:** 25.56

##### 4.1.2.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
60.44	63.25	80.18	62.61	138.29

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the 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), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

#### Response:

The Central Library has a built-up area of 460 sq. m. The library contains 11500 titles and 53700 volumes and can accommodate 150 students at a time. The department libraries were maintained well by the faculty-in-charge which include 2342 books.

- The library is partially automated in the year 2009 and MODERN LIB (Version 2.0) is the software used for Circulation, Procurement, Online Public Access Catalogue and Project Reports.
- All the library documents are bar-coded for easy access to the users
- MODERN LIB is very versatile and is extensively used for generating all the reports on day-to-day requirements.
- Since the Library is partially automated, the holdings of the library could be searched using Online Public Access Catalogue (OPAC).
- The holdings include books, journals, syllabi, question papers, e-magazines, NPTEL and project reports.
- The user rate is 100-130 per day.

In the modern world of automation, the library should be revamped with an automated information system. The library starts functioning systematically and it is easy to find the books in a short period. We can also check under whose possession, return the due date and everything in a minute. During the installation of the new information system, the library committee, library staff and the core group is present in the library.

The books are properly catalogued and arranged subject-wise. The library plays an important role in promoting information and knowledge and provides access to the students with a wide collection of books, e-resources like DELNET, CiiT E-Journals, DLINE E-Journals, i-Manager's-Journal, INDIAN GEOTECHNICAL JOURNAL NPTEL Web, and Video lectures.

- The faculty innovations in teaching and learning are implemented effectively through the Learning Management System (LMS Modules).

- LMS of UIT is a student-centric learning facility for the students to refer to the study materials anytime. It is a centralized source for notes and slide-based presentations for all the branches.
- The Institution has a local chapter of NPTEL through the library which enables students to go through the NPTEL materials available on the NPTEL website by using library resources.
- The NPTEL materials enthrall the students to attend the various technical exams conducted by the NPTEL by eminent professors.
- LMS and NPTEL encourage self-learning among the students.

### **BENEFITS OF THE AUTOMATION SOFTWARE**

- Easy access - The system offers easy access to the books by checking the availability and searching the location for the user.
- Reduces operational cost - The system automates several processes and so there is a reduction of faculty members.
- Safe Data Storage - The system contains a large amount of data stored on a cloud platform with a safety backup.
- Efficient - Increases work efficiency of the staff.
- Online updating - Allows search, addition and update of the library materials online.
- Reduced Time - Saves time and reduces the workload of the staff.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
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## **4.3 IT Infrastructure**

### **4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection**

**Response:**

The Institution uses IT services to maintain certain functionalities of the college such as student attendance

maintenance, continuous mark assessment, and academic record maintenance. Faculty have unlimited access to the internet facilities for their research and the students can go through the lecture notes and question banks available on e-learning platforms.

### **Server Configurations**

- The IT facility of the Institution is supported by two secured data servers namely DELL POWERVAULT NX3200 with the following specifications
- Intel E5-2630 2.5 GHz, 15 GB RAM, and 15 TB storage and IBM X3350 M3 1U CORE
- Intel E5-Xeon 2.6 GHz, 32 GB RAM, and 5 TB storage.

### **Work Station:**

- A total of 326 desktops with LAN/Wi-Fi connectivity are provided to the Department Laboratories namely CC1 & CC2 (100 computers),
- Network Laboratory (40 computers),
- Advanced Computer Laboratory (40 computers),
- Programming Laboratory-I (56 computers),
- Programming Laboratory-II (40 computers),
- Language Laboratory (40 computers) and
- Library (10 computers).

### **Software:**

- As per AICTE guidelines, open-source software and Open-source operating systems such as Fedora, Ubuntu, and red hat Linux are used in various departments.
- All systems are protected with antivirus software.

### **Accessories:**

- 40 LaserJet printers, a Scanner, 2 copier machines, and 1 reprography center are provided across the campus for academic and administrative purposes.

### **LAN & Wi-Fi:**

- There are 16 data network switches (Gigabyte) installed for the unpaused usage
- Security of the systems is managed by the FortiGate 200B firewall.
- 50 Mbps of internet connectivity is shared across the campus.
- 26 Extendable Wi-Fi access points are placed in various places on the campus.

### **Updates in IT Facilities**

- 56 computers for Programming Lab - I are procured with an i5 configuration in the year 2021.
- A Wi-Fi router is installed in the cafeteria.
- In the ECE Department R&D lab, all the computer's 4 GB RAM are upgraded to 8 GB RAM which is to improve the performance of the system to support virtual simulation software.
- Almost sixty numbers of keyboards and five motherboards are replaced by new ones.
- New headphones are attached in the communication lab.
- Seven numbers of LCD Projectors are replaced by new model projectors which support audio and build based on the Android operating system.
- The fingerprint-based biometric attendance system is replaced by a Face recognition system.
- A new color printer is added to the IT Infrastructure which has a good duty and high resolution.
- Procured and utilized CAT-6 copper cable.
- Motorized LCD Screen is implemented in the seminar hall
- The 12-core fiber optic cable is replaced and upgraded using a 24-core cable to improve the number of channels as well as the bandwidth.
- Rs.768000 is spent to replace the router using Huawei 910 C model switch which supports multi-service access on the edge and has 12x10GE ports.
- The old model Cisco switch is replaced by the new 8 nos. of the SG350 series.
- 3000 m of fiber optic cable is laid down for connectivity and HDPE pipes are used as an enclosure.

### **CCTV Cameras**

- 36 CCTV cameras are installed at various strategic positions in and around the Institution.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
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#### 4.3.2 Student – Computer ratio (Data for the latest completed academic year)

**Response:** 6.98

##### 4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 56

File Description	Document
Upload supporting document	<a href="#">View Document</a>

#### 4.4 Maintenance of Campus Infrastructure

##### 4.4.1 Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)

**Response:** 36.27

##### 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)

2021-22	2020-21	2019-20	2018-19	2017-18
70.75	151.12	103.50	108.58	140.35

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



## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

**Response:** 94.23

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
333	420	724	1090	1454

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

#### 5.1.2 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

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

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

#### 5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

**Response:** 93.58

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

2021-22	2020-21	2019-20	2018-19	2017-18
330	356	719	1117	1471

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

#### 5.1.4 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

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

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## 5.2 Student Progression

#### 5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

**Response:** 74.06

##### 5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
83	144	278	367	284

##### 5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
90	233	370	451	417

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

**5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)**

**Response:** 100

**5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
0	1	0	1	0

**5.2.2.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
0	1	0	1	0

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

### 5.3 Student Participation and Activities

**5.3.1 Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years**

**Response:** 54

**5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at**

*national/international level (award for a team event should be counted as one) year wise during the last five years*

2021-22	2020-21	2019-20	2018-19	2017-18
2	1	10	35	6

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

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

**Response:** 27.4

#### 5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
32	18	32	32	23

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

## 5.4 Alumni Engagement

### 5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

**Response:**

United Institute of Technology has registered an alumni association under Section 10 of the Tamilnadu Societies Registration act 1975, Sl.no. 140 / 2014. The institution is proud to say that it has a long history of students' success and achievements. It has also built a wide network of alumni to restore memories of the college. The alumni meetings are conducted on a regular basis to communicate with them and brief the

developments in the institution after their graduation. In addition, the alumni association offers selected alumni with opportunities to participate in the ongoing academic activities such as teaching, workshops, conference events, personality development, and placements.

The guest lectures and special lectures on selected topics are arranged by the association to enhance the knowledge of the students in recent trends. The institution invites and accommodate alumni members to improve the employability skills of the students and improve the placement scenario. Interaction with alumni guides the students in choosing the preferred companies and encourages them to develop entrepreneurial spirits.

Alumni meetings are organised at local, regional, and international level to provide financial assistance to the students and the institute and transfer knowledge to students through Abdul kalam research centre of excellence.

### **Other activities and support services by Alumni**

The alumni association helps the alumnus to promote personnel and cordial relations among alumni through meetings, get-togethers, excursions, and travels, among other things.

1. UIT alumnus has assisted the students for developing a well-rounded personality and set of technological abilities by conducting personality development programme.
2. From time to time the alumnus have contributed, to conduct symposium, seminars, meetings, conferences, cultural activity, encourage literacy and other appropriate events.
3. The alumni association has conducted job oriented basic training and other fields so as to develop self employment and entrepreneurship at free of cost.
4. The association has established a platform for the exchange of ideas and experiences with current students.
5. The alumni association helps the alumnus to be in touch with one another with a view to establish relations and goodwill towards one another.

Advantages of Students of Alumni Association:

- It helps students to develop interaction between industry and academia
- Assistance for industrial visits and placement
- Assistance for mini and major projects

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## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

**6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance**

**Response:**

**VISION:**

Empowering students with competitive aspects of Engineering and Technology through innovative teaching-learning, applied research, nurturing their career with entrepreneurial prospects and thereby moulding them to become good citizens with human values.

**MISSION:**

1. To inculcate students with knowledge in cutting edge technologies through innovative teaching-learning process.
2. To impart skills focusing on applied research-oriented learning.
3. To build engineers specialized in technical skills and entrepreneurial skills.
4. To develop great citizens with moral values confronting worldwide challenges

**NATURE OF GOVERNANCE:**

The vision and mission statements of the Institution replicate an effective leadership established through its governance system and define distinctive characteristics in addressing the requirements of stakeholders.

The management executes the vision and mission by entrusting the Governing council, Principal, IQAC, Academic heads and other committee heads with the responsibilities of implementing the policies, nurturing the stakeholders' relationship, faculty recruitment to suit designated posts, improving infrastructural facilities, welfare schemes and introducing new courses to meet the requirements of the vision and mission statements.

The perspective plans of the institution is illustrated as follows.

**PERSPECTIVE PLANS:**

Enhancing the quality of Teaching – Learning process

Encouraging of research activities

Creating a platform for entrepreneurial activities

Developing Industry-Institute-Interaction

Promoting extension and outreach activities

Improving and optimal utilization of the resource availability

Bringing in companies to fetch employment opportunities

#### **DECENTRALIZATION AND PARTICIPATIVE MANAGEMENT:**

The institution delegates powers to the Principal and the Department heads to perform their duties meticulously to meet the vision of the institution. Online examination system is one of the best practices implemented during pandemic.

#### **ONLINE EXAMINATION SYSTEM (OES)**

The Institution has a detailed plan for the Online Examination System (OES). It is governed by Chief Superintendent based on the academic schedule which is released by the University.

The Principal/Senior faculty member of the institution will be acting as the Chief Superintendent of the examination system. The faculty members are involved in various levels of OES including question paper setters, invigilators and evaluators as per University guidelines. The examination schedule, commencements of dates, sessions are shared via social media like Google drive. The students can download their question paper from their respective places. Students write and upload the answer papers in the same drive as per schedule. Faculty members check and enter the details of the answer scripts in the University web portal. After evaluation the university will publish the examination results.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
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## **6.2 Strategy Development and Deployment**

**6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies,**



## **administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc**

### **Response:**

The institutional perspective plan aligns with the vision and mission of the institution which are the constant driving factors for improving academic quality policies and strategies.

At the beginning of the academic year, various bodies and committees that constitute the Organogram of the institution, chalk out the strategic plan of events and activities which will support the growth and development in these key areas and at the end of the year, a review is taken about implementation and the outcomes of the perspective plans.

One such broad area in which the Institutional Perspective and Strategic Plan has been successfully implemented is that of Teaching, Learning and Research. This has been achieved through the deployment of Action Plan for the following initiatives It is effectively deployed to focus on bringing quality improvements in the areas of

1. Introduction of new subjects at the under-graduate level.
2. Number of academic department to be increased as per the trend.
3. The institution should be provided with appropriate ICT facility to improve teaching learning process.
4. To conduct add-on courses relevant to Industry.
5. Linking with Industries through appropriate MoU's for Internship, Placement, and Industrial visit and so on.
6. Academic excellence by achieving by 100% passes in examinations.
7. Achieving good placement record among eligible students.
8. Encouraging students' participation in co-curricular and extracurricular activities.
9. Promote faculty members for Publications and patents.
10. Ensuring student and faculty development and participation.
11. Promote faculty and students to register and certify NPTEL Programs at large.
12. Ensuring Social engagement and Community service at large.
13. Extending Physical infrastructure, laboratories and other facilities.
14. Promote more extension activities with neighborhood community through NSS and collaborators.
15. Maintaining green environment with audit certification
16. Performing Energy audit with audit certification

### **Strategic Plan mplementation details**

The Institute has implemented two new courses namely B.Tech-Information Technology (IT) and B.E-Computer Science Engineering – Cyber Security (CSE-CS) for the academic year 2021-2022.

The Institute qualities is developed and examined by the Internal Quality Assurance Cell. The Principal is the head of the institute who looks after all the administrative and academic activities. He is responsible for academic planning, its implementation, monitoring and stream lining of the academic processes with the help of IQAC and HoDs suggestions.

He also proposed academic planning in governing council meeting. The Governing council provides

approval and implements the process through proper procedure. The Principal ensures that regular day-to-day operations are properly conducted through various monitoring mechanisms.

The Institution ensures effective implementation of governance, administrative functions, policy guidelines, service rules for employment at all functional level.

The administrative setup includes the Governing Council headed by Chairman in line with the vision and mission of the institution by practicing decentralization and participative management involving Principal, Heads of various Departments, Programme Coordinators and Faculty in-charges with specific roles and responsibilities. Procedures, recruitment, promotional policies are framed as per the rules and regulations of AICTE and the Anna University.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
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## 6.2.2 Implementation of e-governance in areas of operation

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

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

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

### 6.3.1 The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff

**Response:**

The institution has effective welfare measures and a performance appraisal system for teaching and non teaching staff. Some of the welfare schemes for Teaching and Non-Teaching staff are listed below.

#### Financial Support

- The management supports the faculty by providing financial assistance to attend and conduct training sessions, FDPs, Projects and Conferences/Seminars/Workshops.
- Fee concession for the wards of the faculty in the Group School.

- Subsidized transport facilities.
- Incentives for Faculty members contributing towards Institutional Developments.
- Boarding and Lodging for Deputy Warden and faculty in the hostel.
- Provision of EPF, ESI and Group Insurance.

### **Career Development and Progression**

- Career up gradation opportunities.
- Provision of on-duty for higher studies and to attend training sessions, FDPs, Conferences/Seminars/Workshops, and to deliver guest lectures.
- Skill development courses for non- teaching staff.

### **Leave and Vacation**

**Vacation:** 7 days of winter vacation and 14 days of summer vacation are available.

**Casual Leave:** Faculty are eligible for 12 days of casual leave in a year.

**Maternity Leave:** Faculty members are eligible for Maternity Leave (MTL) up to maximum of 90 days

**Sabbatical Leave:** Faculty members are eligible for sabbatical leave to upgrade their career development

### **General Welfare Measures**

- Canteen facilities are available during the working and extended hours.
- Women Empowerment Cell takes care of the well-being of women faculty.
- Child Care Centre facility is available.
- Wi-Fi facility is available.

### **Performance appraisal system:**

The institution has a structured performance evaluation system to assess the performance and suggest suitable measures for career progression.

### **Performance appraisal system for teaching staff**

The faculty submits the self-appraisal form based on the academic results, curricular activities, administrative /college level activities, programmes attended/organized, details of membership in professional bodies, certification courses and research activities. The appraisal to be reviewed and rewards to be decided based on the facts.

### **Performance appraisal system for non-teaching staff**

The performance of non-teaching staff is evaluated based on the contributions to the department, laboratories, skill development courses attended and work discipline.

Head of the Department and the Head of the Institution will review the strengths and weaknesses of the faculty based on the appraisal and feedback from the students and recommends to the management.

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

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

Response: 52.07

#### 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

2021-22	2020-21	2019-20	2018-19	2017-18
37	27	48	44	58

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

### 6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

Response: 87.06

#### 6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
81	85	89	118	125

#### 6.3.3.2 Number of non-teaching staff year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
31	27	31	35	37

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

## 6.4 Financial Management and Resource Mobilization

**6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)**

**Response:**

The institution receives funds from various sources and utilizes for various activities. The important sources are students' fees collection, sponsorships and donations from non-government organizations and United Educational Trust contribution.

**The institution has the following practices to control/monitor the flow of financial resources:**

1. The institution's annual budget is prepared at the start of every academic year.
2. The Heads of the Departments proposes the annual budget.
3. The Head of the Institution scrutinizes the requirements submitted by the HoDs and the same is forwarded to the chairman for approval.
4. The institutions requirements is processed and purchased through the Accounts Manager.
5. The Institution's financial resources are managed by computerized accounts department through ERP transactions and some transactions are made by vouchers.
6. All collections are deposited in bank and all the expenditures are incurred through bank statements.
7. The Accounts Manager checks every bill before passing it.
8. Bill payments are passed only after confirming the goods in good condition. Bank transactions have been made through duly authorized persons.
9. Lead auditors prepare Income and Expenditure Account statements.

**The Institution utilizes the funds in the following ways:**

- The salary paid for employees.
- Infrastructural development of the institution.
- Purchasing laboratory equipment for the department needs.
- Conducting Faculty Development Programme (FDP), seminar, conference, workshop etc., for the staff and students.
- Organizing activities like Blood donation camp, medical camp, Awareness camp, NSS camp etc.,
- Procurement of journals, magazines, text books for Central library and department library.
- Celebrate festivals and co-curricular activities.
- Welfare to teaching and non-teaching staff.
- Transport facilities for both teaching and non-teaching.
- Procurement of sports equipment to improve the fitness of the students.
- To implement latest technologies like smart class rooms, advanced computers, Laboratory equipment, furniture and Internet facility etc., for the betterment of the students.
- The remaining funds of every academic year will be carried over the next academic year as per management directions.

**Internal Audit:**

The Accounts Manager is liable for Internal Audit and Internal Control. The internal review involves Vouching, Monitoring the everyday activity, affirmation equilibrium of assets and Liabilities, statutory installment like PF, ESI, TDS and other local taxes and prompt installment of bank repayment. Surveys with the Institutional records group, for the perception of the review inquiries and ensures proper audit inquiries.

**External Audit:**

The institution has delegated Chartered Accountant M/S B.V & CO assigned as finance officer. In the wake of dissecting the books of accounts they will present the questions to the Finance regulator. After the clarification from the institution's financial department, the financial assertions will be ready. The financial statements of the Institute give a practical assertion through the audit report that the books of records reflect a valid and fair perspective on the functional exercises and the monetary place of the Institute for the relevant financial year.

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

**6.5 Internal Quality Assurance System**

**6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the**

**quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

**Response:**

Yes our college established an Internal Quality Assurance Cell (IQAC) in consistence with guideline of UGC / NAAC in 2010 to increase quality in the academic process and as a pre-accreditation activity, The IQAC cell's mission is to develop a mechanism for regularly, continuously, and kinetically improving the institution's total effectiveness, quality and productivity.

**1. Preparation/ Planning:** The faculty members will prepare and submit the lecture plan in advance before the commencement of classes which contains information such as plan date, delivery date, Course outcomes, delivery tools used, text books used and so. This lecture plan will be initially verified and approved by the department head and the IQAC Coordinator. All the faculty members will be asked to submit the filled in lecture plan to HOD every weekend for verification. Any deviation will be reported immediately to the concern faculty for corrective measures.

2. The IQAC cell will constitute a team comprising of experienced faculty members for conducting Internal Academic audit. The members of the academic audit team will visit the departments to verify the various academic and allied documents such as course files, log book, academic calendar, lecture plan, result analysis and so on. The team will submit the audit report to the IQAC cell and to the head of the Institution as well as to the dept. too. This audit process greatly helps the department and the Institution to maintain the documents in time as well as it aid for further improvements. The surprise audit will also be planned and executed for verification purpose.

**Practice 1. CO - PO Attainment Process:**

The outcome of each course is after studying the particular subject to know what students can do. The course outcomes for each course are defined based on the programme outcome it is available in syllabus. The course outcomes for each course for all semester to be filled by the faculty members carefully. Then the correlation is framed in between the course outcome and programme outcome. The mapping matrix has been framed for all semester courses including the elective subjects. The attainment can be divided by two method one is direct another one indirect. By direct method we can get the attainment by their assessment like internal assessment, quiz, assignments and final examinations.

**Practice 2. Industry Institute linked Services:**

The IQAC committee encouraged faculty members to work with companies for mutual benefit with the help of various cell. The significant activities of the various cells are follows

**Industry Institute Partnership Cell**

- Collaborate with Industries.
- Promote Internship, Industrial Training, placement and field visit.
- Improve experiential learning through Industrial connect.

**Institute Innovation Council**

- To promote innovation; start up, Entrepreneurship activities among students and faculty community.
- Establishing functional eco system for scouting and pre-incubating ideas.

### Training and Placement Cell

The objective of the Internship policy for the students is to guide and support them to avail Internship opportunities in Industries. This will help them to learn technologies and training associated with current industrial scenario.

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

### 6.5.2 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)/ membership of international networks
3. Participation in NIRF
4. any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc

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

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



## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Measures initiated by the Institution for the promotion of gender equity and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

##### Response:

United Institute of Technology provides quality education ensuring employment opportunities for our graduates. The Women's empowerment Cell will take care of any act or misconduct by a person in authority and belonging to one gender which denies equal opportunity in pursuit of career development or making the environment at workplace hostile or intimidating to a person belonging to fairer sex. To improve safety and security further within the Institution, vantage IRD 541 varifocal model IR CCTV Cameras are installed with desired storage space and IoT Facility.

United Institute of Technology makes merry different events with great interest to memorialize the thought of nationalism and to pay honour to our great National Leaders.

**National Handloom Day** is being on 7th August in our college for creating awareness about the importance of handloom industries and its involvement in the socio-economic development of our country.

**Independence Day** program was celebrated on 15th August in our college. We all salute our national flag and our chief guest gave speech on duties and responsibilities of citizen.

**International Photography Day** was celebrated on 19th August by conducting photography contest.

**Teacher's Day** is celebrated on 5th September by our students by honouring faculties with gifts.

**Onam** is celebrated every year September month to pay honour to king Mahabali and was celebrated with fun events and Onam Sadhya.

**Engineer's Day** is celebrated on 15th September to commemorate the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya. The day is celebrated by conducting technical events.

**Voter's Day** is celebrated on 4th January 2021. It is celebrated to create awareness on individual rights to vote. A lecture was given on rights of voting.

**Republic Day** program was celebrated in our college on 26th January by hoisting National flag and we all took oath to make our country proud.

**National Science Day** is celebrated on 28th February by conducting Technical events to commemorate Sir C.V. Raman.

**International Women's Day** is celebrated on 8th March, the goal of this event is to create gender-equality to the nation.

**World Forest Day** is celebrated on 21st March with the aim to increase awareness about role of forests play in sustaining lives on planet. Tree saplings were planted to grace the day.

**World Water Day** is celebrated on 22nd March to create awareness on importance of fresh water. The day is used to advocate for the sustainable management of freshwater resources.

**World Earth Day** is celebrated on 22nd April by NSS team to create awareness about importance of keeping earth clean to the public.

**International Dance day** is celebrated on 29th April by conducting dance competition.

**World Environmental Day** is celebrated on 5th June to create awareness on importance tree on planet. The day was graced by planting trees.

**International Yoga Day** is celebrated on 21st June to spread awareness on the importance and holistic health benefits of Yoga.

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

#### 7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

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

File Description	Document
Upload supporting document	<a href="#">View Document</a>

#### 7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

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

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

File Description	Document
Upload supporting document	<a href="#">View Document</a>

**7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)**

**Response:**

United Institute of Technology has wide diversity in the student community and maintains a harmonious atmosphere through various proactive measures. Initiatives are taken in providing an inclusive environment among students and faculty members.

**INCLUSIVE ENVIRONMENT :**

- United Institute of Technology maintains harmony among the students. The institution organized cultural events for students.
- The institution celebrates onam festival in a grand manner.
- To promote communal harmony among the citizens, the institution celebrated Pongal Vizha and traditional dishes were distributed to all.
- Bharathi Uzha has been organized by our college jointly with Uratha Sinthanai Matha Ithal to provoke Subramania Bharathi's ideas to the younger generation.
- As a part of social welfare, the unit of NSS organized a food sponsor programme in Sri Varahi Manthralayam. This program helps the students to understand and serve on maintaining humanity.
- The AntiRagging committee monitors the discipline of students. The committee works towards maintaining peace and harmony in the campus.
- Programs on human values were conducted in order to make the students understand integrity, respectfulness, truthfulness, caring, kindness etc. The institution conducted many programs to emphasize an inclusive environment through yoga and meditation which helps students to have better strength, health, balanced life and flexibility.

**CONSTITUTIONAL OBLIGATIONS:**

- The institution hoists the national flag on Independence Day and Republic Day with distinguished chief guests unfurling the national flag and delivering motivational talks on patriotism.
- Constitution day is celebrated every year. The purpose of the celebration is to instill constitutional obligations in students, enhance knowledge on constitutional setup, and teach students about the importance of the evolution of the constitutional document.
- Every year the Department of Science and Humanities organizes competitions such as poster designs and slogan contests on Constitutional Day and awards prizes to the outstanding designs. All the students were oriented on the importance of being familiar with the constitutional requirements and their significance in day-to-day life.
- Students engage in a variety of activities like awareness campaigns, seminars, training programs, conferences, expert speeches, workshops and webinars on current legal issues to promote Indian

citizens' fundamental duties and rights.

- The institution encourages students to conduct awareness activities with the NSS unit such as voter facilitation, covid-19, blood donation campaign, plastic free awareness campaign and voter's day campaign. The institution organizes tree plantation programs and provides free saplings.
- The institution conducts several ethical programs for students and faculty members in order to disseminate ethics and human values. Professional ethics is an elective course for final-year students. Environmental science is a portion of the curriculum that teaches students about the environment as well as how to maintain natural resources and different energy sources.

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

## 7.2 Best Practices

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

**Response:**

#### **BEST PRACTICE – I**

**TITLE OF THE PRACTICE: ENHANCING EMPLOYABILITY SKILLS THROUGH EFFECTIVE PLACEMENT CELL ACTIVITIES**

#### **OBJECTIVES:**

- To equip the students to face the interviews.
- To improve effective communication skills for students.
- To act as an intermediary between recruiting multinationals and candidates applying for the companies by providing a means of contact between them.

#### **CONTEXT**

Proper guidance is needed for every student to choose the right career. With a focus on this, our institution works in every possible way to train them to be placed in reputed companies right at the campus itself.

#### **THE PRACTICE**

The Training and Placement department of the institution provides practical employability skills and relevant knowledge to the students. For career guidance, counseling coordinators are appointed to provide guidelines to the final-year graduates. Students are motivated by the placement committee to meet the needs of the recruiting companies.

#### **Communication Skill Training**

The Literary Club helps students with different communication techniques and feeds confidence to face the interview. Interview skills like Leadership, Problem Solving, Body Language, LSRW Skills, and mock is taught. In order to meet the workplace needs and create a positive response to the hiring individuals, the club facilitates to improve the means of communication by conducting mock interviews.

### **Mock Interview**

Mock Interview is conducted by the faculty members who are responsible towards estimating the best candidates from the group. Mock interview includes different level selection process like mock aptitude tests written, verbal proficiency tests, ways to prepare a resume, Group Discussion, and providing logical questions and answers of an interview

### **Resume writing**

Students are lectured about the importance of a resume that are entitled to draft it after listening to the instructions provided. Resume samples and templates to students of their choice are provided. The T&P cell helps students by collecting their prepared resumes and redrafting them if there are any corrections.

### **GROUP DISCUSSION**

Discussion on various topics along with a timer kept to calculate the time of discussion allotted to an individual.

### **PROBLEMS ENCOUNTERED**

- Additional financial assistance was needed from the management to conduct more placement activities.
- Students seem to be exhausted when extra training was provided in addition to the regular working hours.
- On days of additional placement training, a separate transport facility needs to be arranged to drop the students in their respective homes.

### **SUCCESS STORY**

- After the various initiatives taken by the Training and Placement Department, placement percentage from 50% in previous years has increased to 90% where students get placed in renowned companies with good packages
- Students are well-trained to meet the needs of the MNCs along with the association of the institution
- As a result of the initiatives from the T&P Department, students especially those from academic poor backgrounds benefited.

### **BEST PRACTICES - II**

**TITLE OF THE PRACTICE:** Go green and Eco-friendly initiatives

**OBJECTIVES:**

- To raise natural awareness among the students.
- To promote a green environment by minimizing the usage of plastics
- To conserve our natural resources with regard to the future.
- To maintain plants and trees present in the campus.
- To encourage an eco-friendly atmosphere along with sustainable development.

### **CONTEXT:**

To save the ecosystem on earth the only possible way is to stop cutting trees and plant trees more. The institution aims for a balancing environment that improves education along with the awareness of our natural resources.

Another major issue in the world is pollution. In consideration of this, the institution has taken initiatives to free the college campus from pollution. The ultimate purpose of the institution is to initiate natural conservation and maintain a go-green environment.

### **THE PRACTICE:**

The institution has undertaken a lot of activities to maintain an environment-friendly atmosphere. The NSS unit of the Institution actively engages to encourage students in order to save and create a green environment and plastic-free world.

- Our institution conducted World environment day and Forest day to promote awareness among the students. During the program, students were encouraged to plant trees in their respective houses and surroundings.
- Especially, students are asked to replace plastics by applying the three R's Reduce, Reuse, and Recycle.
- Students were given a place and time to plant trees inside the campus. The NSS unit of the institution headed the initiative
- Students are encouraged to take care of the plants planted till their journey in the institution and hand over the responsibility to the juniors when they leave the campus.

### **Use of Bicycle**

Students and staff are instructed to use bicycles inside the campus. Students are strictly prohibited to use bikes or car inside the college premises. The bikes and cars of students and staff are stopped near the main entrance and are not allowed to use inside the campus at any cause.

### **Solar-powered green campus**

To go green our institution has installed 250-watt solar panels to generate electricity that can be used in classrooms, offices, and even hostels. The institution has installed solar streetlights on campus and lamps in hostels. LED bulbs are used inside college buildings.

### **Paperless Practices:**

- The institution uses social media platforms for circulating messages.
- E-mails for circulation and communication of information.

**SUCCESS STORY**

- Our campus is free from plastics and a green environment consciousness is spread
- The fieldwork offered by the college provided students with extra knowledge to work in a societal network. The students gained awareness about cutting trees and a plastic-free environment.
- As a result of the awareness created by the institution, students started to actively participate in tree plantations both inside and outside the college premises.
- The practice has developed a sense of social responsibility towards nature.

**PROBLEMS ENCOUNTERED**

In the initial stage, the students were not much involved in the environmental issues later on when they were into practical experience awareness was created among them. As a result, they voluntarily started to plant trees and reduced using plastics inside the campus and their home.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Best practices as hosted on the Institutional website	<a href="#">View Document</a>

**7.3 Institutional Distinctiveness****7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words****Response:****7.3.1. Institutional Distinctiveness**

The main objective of the Industry Institute Partnership Cell of United Institute of Technology is to fulfill the mission statement and serve as an intermediate to the Industries and college. It tries to satisfy the demands of industrial working needs by conducting workshops and seminars, internship opportunities, placement drives, value-added courses, and MOU'S with Industries

The objectives of the Industry Institute Partnership cell of our Institution are

- Collaborate with Industries.
- Promote Internship, Industrial Training, placement, and field visits.
- Improve experiential learning through Industrial connect.
- Faculty proficiency in subject matters to be increased through Industrial training.

**ESTABLISHING LINK BETWEEN THE INSTITUTION AND INDUSTRY**

The college has several tie-ups with corporates and provides continuous updates related to job opportunities. It has the prime responsibility to develop the potential of the students and thus equip their progress in industrial training to face the interview as well.

### **1. PLACEMENT TRAINING**

The main motto of our institution is to uplift every student especially academic poor students. To achieve this aim we provide individual training to every student and train them in all possible standards for the betterment of their future. The training program for the students includes a placement cell that offers pre-placement training sessions, mock interviews, and group discussions. In order to meet the workplace needs and create a positive response to the hiring individuals, the cell facilitates to improve the means of communication by conducting mock interviews. Our placement cell prepares students to utilize the placement opportunities effectively. The Placement Activity Cell of the Institution promises to provide practical employability skills and relevant knowledge.

### **2. VALUE-ADDED COURSES**

The value-Added Training Programme of our institution helps students to learn Engineering techniques and application-related concepts which include protocols and results. In due course, teachers engage the students by providing enough material for referential purposes. This involves conducting workshops, seminars, and practical and group discussions. Projects are also assigned to students to bring out their creativity thereby improving skills like Teamwork, leadership, time management, and problem-solving skills. Many Value Added Programme/Courses have been introduced with respect to the core departments and based on students' interest to choose their own stream of study which covers the following topics such as: AWS and Cloud Management, Stadd Pro V8i, Embedded Systems Design using Pic Controller, Sensor Applications using Arduino & Raspberry PI and, CAM/CNC.

### **3. MOU WITH INDUSTRIES**

Our Institution bridges the gap between Industry and students for upgrading their knowledge of students. The purpose of the collaboration helps students in appearing for corporate companies in assistance with the college profile. MOUs are signed with various Industries where a wide range of choices from the companies pop up so that the students get to know about opportunities in the companies and field Work.

### **4. INTERNSHIP**

The Institution also offers Internship Programs to facilitate experiential learning that equip students with various practicum opportunities and help them to fulfill their career objectives to determine the best workplace fit for the student individuals. It is an ideal fit for students with intentional professional goals to discover further projects and works in their placing companies. This especially arranged for the engineering students to take up a project and works to prove their ability and potential through group and as well individual assignments.

Our Institution offers a wide range of professional learning experiences to the students' individuals. Every year, the final year students are advised to complete the internship of at least 3 months. During the internship, they gain practical skills and face the consequences of working under a company. They also learn Teamwork, improve individuality and try to prepare themselves for the future career that they are going to opt for.



Self-evaluation is done and rewards are given according to the performance. Based on their performance they will be rewarded. Before getting into the corporate world they get to know the ethics of working under a leader. In due time, they also learn and cooperate with the other colleagues.

## 5. WORKSHOPS AND SEMINARS

Students belonging to our college get benefits by listening to various orientation and presentation programs in the form of workshops and seminars at national and international levels. The main purpose of conducting workshops and seminars is to orient and create awareness of various domains which are related to core subjects and programming skills.

As a result of conducting workshops and seminars, our students learn to interact and practice new techniques. The educational importance of Seminars includes skills like Managerial and boosts up the responsibility for students. Some of the workshops and seminars include topics such as Programming skills, Faculty development programs, awareness programs, training programs, Guest lectures, and seminars on different topics related to technical education.

The outcome of the IIPC of our Institution has achieved bringing the best possible outcomes from the available possibilities to enrich the professional career of the students. Each and every cell of the college is directly connected to improving the quality of education for students, especially those of rural backgrounds. It also helps in developing overall development in social and economic aspects.

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

## 5. CONCLUSION

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### **Additional Information :**

1. The placement and training cell of our Institution is strong enough to support students for better placement and associated training.
2. The IQAC cell of our Institution is Instrumental to for the quality developments.
3. The IIPC Cell take development initiatives to connect to the Industries to seek opportunities under placement, internship, field project, industrial visit.
4. Our Institution is implementing all the schemes proposed by AICTE and Ministry of Education such as KAPILA, ISP, MOI-IIC, NISP.
5. Students of our Institution participated in the finals of SIH2022
6. New Incubation center on Cyber Security is established during the current academic year.
7. Anna University approved Value added courses are conducted by various departments.
8. The campus is greenish and conducted green audit.
9. Our Institution submitted Informaiton for AISHE, NIRF and ARIIA.
10. Capacity building programs were organized to equip teaching and non teaching faculty members.

### **Concluding Remarks :**

United Instiute of Technology constructing all initives for the successful completion of NAAC accreditation process to attain bettern grade which will help us to apply for autonomus

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
3.3.2	<p><b>Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years</b></p> <p><b>3.3.2.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>13</td> <td>10</td> <td>4</td> <td>6</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>27</td> <td>13</td> <td>10</td> <td>4</td> <td>6</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	30	13	10	4	6	2021-22	2020-21	2019-20	2018-19	2017-18	27	13	10	4	6
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30	13	10	4	6																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
27	13	10	4	6																	
3.4.3	<p><b>Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years</b></p> <p><b>3.4.3.1. Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>4</td> <td>12</td> <td>13</td> <td>12</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>13</td> <td>4</td> <td>12</td> <td>13</td> <td>12</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	14	4	12	13	12	2021-22	2020-21	2019-20	2018-19	2017-18	13	4	12	13	12
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2021-22	2020-21	2019-20	2018-19	2017-18																	
13	4	12	13	12																	
4.3.2	<p><b>Student – Computer ratio (Data for the latest completed academic year)</b></p> <p><b>4.3.2.1. Number of computers available for students usage during the latest completed academic year:</b></p> <p>Answer before DVV Verification : 326 Answer after DVV Verification: 56</p> <p>Remark : DVV has made the changes as per shared bill of academic year.</p>																				

## 2.Extended Profile Deviations

<b>Extended Profile Deviations</b>
No Deviations