



# **SELF STUDY REPORT**

**FOR**

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

## **HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY**

**VALLEY CAMPUS, POLLACHI HIGHWAY**

**641032**

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

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

**Hindusthan College of Engineering and Technology** (HiCET – [www.hicet.ac.in](http://www.hicet.ac.in)) was founded in the year **2000-2001** by **Hindusthan Educational and Charitable Trust** ([www.hindusthan.net](http://www.hindusthan.net)). Surrounded with nature's pristine beauty and an excellent infrastructure combined with dedicated and experienced faculty has made the campus a much sought-after abode of learning. HiCET is one of the premier technological institutions inculcating quality and value-based education through innovative teaching learning process for holistic development of the students. The institution is recognized under Section 2(f) and 12B of University Grants Commission (UGC), an **Autonomous Institution from 2016**, approved by the **All India Council for Technical Education (AICTE)** and affiliated to **Anna University, Chennai**.

At present, the college is offering **15 UG Programmes** (BE / BTech), **7 PG Programmes** (ME, MBA & MCA) and **4 Research Programmes**. Currently (2022-2023), there are **5488 students** pursuing various programmes in the institution and are mentored by **386** well qualified and experienced faculty members.

**Industry-Integrated programmes** and the **Innovation Centres** of the institution encourages creativity, innovation and identifying business thereby encouraging entrepreneurship and start-ups.

Under the trust, **10** other institutions are functioning, out of which **6** are higher-educational that are highly rated by the society as well as accreditation and ranking bodies. One of the Hindusthan Educational Institutions, **Hindusthan College of Arts and Science (Autonomous)** has been **accredited by NAAC with A++ and 3.66/4 score, which is the TOP score among the Private Autonomous Institutions in Tamilnadu**.

**With the very strong industrial background of more than 40 years** in the engineering domain such as **transformers, control panels, switch gears, pipes etc.**, HiCET nurtures future global leaders by imparting right knowledge, skills and building attitudes among students to face the world in a fresh, energetic and unrestrictive work environment, considering the **integration of UN-SDGs into the curriculum and adopting National Education Policy 2020 (NEP 2020)**.

**The trust also has 2 multi-speciality hospitals with 350 beds in Coimbatore.**

### Vision

**To become a premier institution by producing professionals with strong technical knowledge, innovative research skills and high ethical values.**

### Educational Philosophy

The educational philosophy of Hindusthan College of Engineering and Technology typically emphasizes **hands-on, practical learning experiences** that help students apply theoretical concepts to real-world problems. This includes a strong emphasis on project-based learning, internships, and value addition, as well as a focus on developing critical thinking, problem-solving, and teamwork skills.

The programmes offered lay emphasis on promoting ethical and responsible practices, including sustainability, equity, empathy and professionalism.

The overall goal is to produce well-rounded engineers who are equipped to solve complex challenges and make a positive impact in the world.

**Hindusthan College of Engineering and Technology march towards greatness by following the educational doctrines of the beloved leader, Dr APJ Abdul Kalam in transforming the youth of today to become leaders of tomorrow.**

According to the great visionary leader and noble personality, Dr APJ Abdul Kalam, the aims of Education is

- To create good human beings with skill and expertise
- To create enlightened citizens
- To inculcate creativity minds of the students
- To make learning more effective by the use of technology
- To build self confidence among the students
- To develop moral leadership in different fields
- To create entrepreneurs rather than job seekers
- To facilitate innovation, invention and discovery

**Hindusthan College of Engineering and Technology fully endorse the words of the visionary leader and adopts in its growth along with National Education Policy 2020 (NEP 2020).**

### **Mission**

- **To provide academic excellence in technical education through novel teaching methods**
- **To empower students with creative skills and leadership qualities**
- **To produce dedicated professionals with social responsibility**

### **Quality Policy**

Hindusthan College of Engineering and Technology (HiCET) aims at providing the best education which will mould the students as the right characters, who will cater to the needs of the society. While providing various inputs for the best education, HiCET constantly thrives upon continual improvement with the utmost commitment for the complete satisfaction of the stakeholders.

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

### **Institutional Strength**

- The institution strives for academic excellence through a **challenging curriculum, skilled teachers, and modern facilities**
- The **management with four decades of industrial and educational experience**, is proactive, supportive and creating a positive learning environment
- The institution has a **diverse student population**, promoting a rich and inclusive campus

- **Well-defined policies** guide academic processes to ensure a high-quality system
- **Fifteen strong USPs** to make it unique from the rest of the institutions
- Programs and curriculum are designed with a **focus on industry needs** and aligned with **NEP 2020** and **UN-SDGs**
- Centralized **Digital Library** to access the wealth of information and resources
- Effective **Digital Learning** and **ICT-enabled facility** to Equipping the students for success in the digital era
- Strong emphasis on **experiential, project-based, and participatory learning** provides students with better opportunities
- **8 Centres of Excellence, 22 Competency Development Centres** and **10 Industry-Partnered Centres** to develop vital skills necessary for success in their selected profession.
- **Incubation Centre** supported by **MSME**, and **EDC** activities provides resources and support to development of **Entrepreneurs and Start-ups**
- **Centre for Skill Development** focuses on providing students with the opportunity to develop and enhance their skills
- **DSIR-SIRO recognition** ascertains the institution's dedication to exceptional research and innovation
- **Institution and Government Scholarship schemes** offer financial support to students
- A registered **Alumni Association** extends its support to the institution in advancing its academic objectives
- **109 Functional MoUs** with various industries and organisations bridge the gap between stakeholders and the institution
- **Green Campus** showcases its dedication to environmental responsibility and sustainability
- **Hindusthan Product Development Centre, Innovation Centre** and **AICTE-IDEA Lab** focus on developing new products and technologies with an aim of promoting innovation and competitiveness
- **IIC- 4-STAR Rating** and **ARIIA-Band-Performer** Ranking confirm the institution's devotion to innovation
- **31 Dynamic Student Clubs** and **17 Professional Societies** provide **social, community and technical engagement** by enhancing their leadership skills, team work, networking and professional skills.
- Robust **Sports Facility, Extra-curricular and Co-curricular activities** promote physical well being and skill development of the students
- A mandatory **Internship Program** imparts real-world experience to the students and groom them for successful careers
- Anna University recognized **4 Research Centres** promote research and development in the campus
- **Campus Management System (E-campus)** helps the institution in improving administrative and academic efficiency
- An encouraging **ecosystem** promotes student participation in various national and international level events and competitions
- A **consistent placement record** attracts **top talent** from the country there by **improving the institution's reputation**

### Institutional Weakness

- Low exposure to **global institutional partnerships**
- Limited **funded research projects**
- Low enrolment in **full-time PhD programme**
- Less number of faculty with **industrial experience**

## Institutional Opportunity

- **Collaborate with domestic and international** institutions
- Offer **minor** and **honours degrees**
- Collaborate to offer **joint degree or twinning** programme
- Strengthen Alumni engagements and generate **endowment funds**
- Explore the **industry relevant projects** and training to students through Centres of Excellence
- Establish inter-institute research groups among sister institutions
- Establish a **smart campus** with advanced technology and features to enhance the academic and overall experience of students and faculty
- Collaborate with industry for **skilling, re-skilling and up-skilling the faculty and students**
- Provide **foreign language courses** to students in order to expand their language skills and prepare them for **global opportunities**
- Establish itself as a **University** with a focus on quality education and cutting-edge research, and expanding its academic offerings to meet the evolving needs of the society

## Institutional Challenge

- **Core companies** placements.
- **Attracting a diverse cohort of students and faculty** from different countries.
- Ensuring seamless integration of **lateral entry students into the mainstream curriculum.**
- Commercialising Patent through **Transfer of Technology (ToT).**

## 1.3 CRITERIA WISE SUMMARY

### Curricular Aspects

The curriculum of Hindusthan College of Engineering and Technology is designed to meet the demands of industry, society and life skills. The **Choice Based Credit System (CBCS)** and **Outcome Based Education (OBE)** followed from 2016 guarantees opportunities for students to learn courses of their interest that are relevant to **global, national, regional and local** needs.

The curriculum and the courses of all the programmes are designed to be in line with the standards set by the **AICTE, UGC and Anna University** and also following the frameworks of **National Education Policy 2020, Washington Accord** and **UN-SDGs**.

The structure of the curriculum emphasizes on the students' overall development in terms of **knowledge, technical skill development, employability, life skills and entrepreneurship.**

The institution offers **15 UG and 7 PG** programmes. The syllabus is framed by Board of Studies and approved by Academic Council.

The salient features of the curriculum are

- Flexible **Choice Based Credit System (CBCS)** with **Outcome Based Education (OBE)**
- Emphasis on **Skill Development, Employability and Entrepreneurship**
- Inclusion of **Honours and Minor Degree** along with a Major programme.
- Different verticals for the **Professional and Open electives**
- **Credit Transfer System** and **Extra Credits** from approved MOOCs
- **Internship, Mini Project and Project** as mandatory part
- **Fast Track Courses** for advanced learners
- **Research and Innovation** are parallel components
- Inclusion of **Soft Skills, Entrepreneurship, Innovation and Intellectual Property Rights** courses as a part of **Employability Enhancement Courses**
- Inclusion of **Project-based Learning** to improve skill and practical knowledge
- Inclusion of **Life Skills like Yoga**
- To foster a greater sense of responsibility for **Environmental Sustainability and Environmental Studies** courses is made common to UG Programmes
- In the three-week **Student Induction Program (SIP)** session for first-year students
- **Universal Human Values** and Ethics are compulsory courses
- **239 Value-Added Courses** are offered beyond the Curriculum

### Teaching-learning and Evaluation

The admission of the students is through **single window counseling** system conducted by **Tamil Nadu Engineering Admissions** following the **reservation policy of Government of Tamil Nadu**. The institution attracts students from Coimbatore, surrounding districts and other states. The average annual **admissions are 90%**.

The **teacher student ratio is 1:13** and the average **experience of faculty is 11.72 years** across all the departments.

The pedagogy of teaching assess the learning levels of the students and ensures the **best learning outcome** for both advanced learners and slow learners.

The teaching-learning is **student centric and participative** with ICT enabled in both learning and assessment. Online resources are effectively utilized for a paced learning and self-learning.

The institution follows rigorous mentoring system with a **Mentor-Mentee ratio of 1:14**.

The espousal of information technology has led to a number of improvements in examination practices and evaluation methods, such as Continuous Internal Assessments (CIA) which have improved the **effectiveness and accuracy of the institution's Examination Management System**.

A few distinct practices of teaching-learning and evaluation are

- **Outcome Based Education** with target attainments
- Complete **adherence of academic calendar**
- Faculty prepare the **lesson plan as per the calendar**

- Student-centric **Experiential, Participating and Problem Solving methodologies**
- Practice of **flipped classroom**
- **Digital Self-Learning** through MOOCs, Swayam, NPTEL, etc.,
- Good collection of Books and E-Journals in the **library with Digital content**
- Ideation, Product Development and Start-ups **through IIC, Incubation Centers, IDEA Lab and Entrepreneurship Development Cell**
- **Information Technology integrated Office of Controller of Examinations**
- **Examination audit** on question papers and evaluation transparency
- **Academic and Administrative Audits** and scrutiny by IQAC on course files

**Learning outcomes (COs)** are formulated for all courses. The COs helps faculty and students to learn the objectives and outcomes of each course and the programme. **Students are assessed for COs through assignments, continuous internal assessments, quizzes and end semester examinations.** The knowledge level of the questions are indicated in the question papers. The attainment levels of COs are calculated, analysed and actions are taken for further improvement. **Course Outcomes are mapped with POs and PSOs.**

Course outcomes of all courses are assessed with the help of **assessment tools and attainment level is evaluated** based on set attainment **rubrics.**

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

**The research policy** is formulated and the necessary state-of-the-art research facilities are established to promote research, which agrees with the institution's vision. Special drives are initiated to promote undergraduate research.

**Research facilities** are updated according to the needs of the respective departments. The institution encourages research and innovation through well-equipped **research labs, AICTE-IDEA Lab, MSME supported Incubation Centre and Centres of Excellence,** guiding research scholars and students, facilitating project proposals and collaborating with partner institutions and industries in areas of mutual interest.

A **Digital Library** is available for scholars and faculty with E-resources like N-List, DELNET, IEEE, ProQuest, etc. To check plagiarism, URKUND software is available in the library.

### **Significant Achievements:**

- **Research Seed Money** is awarded to promote Interdisciplinary Research in thrust areas. The institution has sanctioned a seed money which amounts to **Rs.16.71 Lakhs for 33 research projects**
- The faculty members are encouraged with incentives for their research activities which paved the way for **799 research paper publications in UGC-CARE, Scopus, Web of Science journals and 446 patent publications**
- **Grants** received from Government and Non-Governmental agencies for research projects amounting to **Rs. 2.91 Cr**
- **Awarded 64 PhDs** and currently **104 scholars** pursuing their PhD under **24 recognized research supervisors**
- The Institute has a **Research Fellowship** with various professional bodies like IASS, INSQ, NASI, Yessenov University, Republic of Kazakhstan and SAEISS
- In **101 consultancy projects,** the faculty benefits with 40% of the revenue generated

- The Institution has signed **109 MoUs** with various International Universities such as Dambi Dollo University, Ethiopia, Taylor's University, Malaysia, Sunway College(KL), Malaysia, The New Gen Infotech Private Limited, Singapore and the National Level Institutions such as International Institute for Certification and Training, Kerala, ICT Academy, Elcot, Tamilnadu, Imarticus Learning Private Limited Mumbai and Industries.
- **Five villages** are adopted under **Unnat Bharat Abhiyan** to implement extension activities.
- **568 Programmes** were organized pertaining to Research Methodology, Intellectual Property Rights, Entrepreneurship and Skill Development, workshop on IPR, Conferences and Seminar

The research contributions are recognized by various **awards and honours**.

### **Infrastructure and Learning Resources**

The institution is located in a sprawling environment friendly campus of **30.14 acres**. There are **120 ventilated classrooms** (equipped with **ICT facilities** and LCD projectors / smart boards) with **elevator facility** for the physically challenged and water doctors in every floor.

The institution has well equipped laboratories, computer labs, library, administrative office, principal office, **9 seminar halls**, two auditoriums, an open auditorium and faculty rooms. The institution has **26 computer labs** and **1759 computers**. Leased Line Bandwidth of **512 Mbps** is made available. All the faculty rooms, classrooms, seminar halls, hostels and office are Wi-Fi enabled.

**Centres of Excellence and Competency Development Centres** supported by leading industries are established to enhance the technical skills of the students. **Innovation Centre, AICTE-IDEA lab and MSME supported Incubation Centre** are established in a space of 2300 sq.m.

The institute has **separate hostels for boys and girls** with reading and recreation rooms to a capacity of 2500 and 600 members, respectively.

The library has **81577 volumes of books, 216 Journals** and **10,727 e-Journals**, CD-ROMs, on-line databases, audio video cassettes, and project reports. Reprographic and networking facilities are available in the **Digital library**. The library resource centre is fully automated using a user-friendly library software. The college subscribes to online resources like **IEEE, DELNET, ProQuest, National Digital Library and Swayam Prabha**.

The college has **10 acres of playground** with **200 m track for athletic** events to house the sports and games.

**Gymnasium** with wide spread of equipment is available in a space of 181.16 sq.m.

**Exclusive yoga halls** are available for the benefit of students and faculty members.

The institute operates **12 buses** to support the requirements of day scholar students and faculty members.

**The institution has well established policies, procedures with monitoring system for the maintenance of all physical, academic and support facilities.**



## Student Support and Progression

The institution provides the necessary help to students, to gain significant experiences for learning at the campus and to facilitate their **holistic development and progression**. It additionally appears in student's overall performance, alumni profiles and the progression of students to higher education and gainful employment. Guidance cells, placement cell, grievance redressal cell and welfare measures are provided to assist students. Specially designed inputs are furnished to needy students with learning difficulties. Provision is made for bridge and value-added courses in relevant areas.

The institution has a well-structured, organized guidance and **counselling system** in place. A very excellent mentoring help is provided with a common **mentor-mentee ratio of 1:14** throughout all the departments. Extensive help is furnished to avail scholarships from Government and different channels. The Institution's concern for students' progression to higher studies and/or to employment is dealt with under this key aspect. Identify the motives for terrible attainment and plan and enforce remedial measures. Sustainable good practices which efficiently support the students facilitate optimal progression. The **Innovation Center, Laboratories, Library and Sports facility** are accessible after the semester and during vacations to help students continue their studies, engage in new experiments, innovative ideas and develop proofs of concept.

The institutional provisions facilitate the vertical movement of students from one stage of education to the greater stage or in the direction of gainful employment. Parent-teacher meetings help students set career development goals toward **employment, higher education, or entrepreneurship**. The **Career Development and Placement Division** offer additional training hours to get students ready for campus placements that result in successful offers.

The Institution promotes **inclusive practices for social justice and better stakeholder relationships**. The institution promotes value-based education for inculcating social accountability and excellent citizenry amongst its student community. The club activities are supported to enhance the extra activities of the students. The support for sporting activities includes daily intensive training as well as scholarships for top athletes. **Alumni support students with scholarships through donations, internship opportunities, mock interviews, internships, and mentoring support**.

The Institution has the required infrastructure and **promotes lively participation** of the students in social, cultural and amusement activities. Encouraging students' participation in activities enables creating a range of abilities, skills and competencies and **fosters holistic development**.

## Governance, Leadership and Management

**Decentralized participative management** has been adopted by the college in its academic, administrative and strategic operations. Statutory and non-statutory committees administer the overall functioning and execution of academic, administrative, co-curricular and extra-curricular activities. **Policy Decisions are approved by Governing Body, Academic Council**, and executed by Heads of the Departments and Faculty. Budget Allocation, mobilisation and management of resources are pedantically carried out by the financial administrator and finance committee. **E-governance** is implemented in administration, finance, accounts, student admission, student support and examinations.

The college offers number of **welfare measures** for the benefit of teaching and non-teaching faculty members. **Career development** is encouraged through financial support to attend conferences, workshops and seminars,

and towards membership fee in professional bodies. Professional development/administrative training programmes have been organised by the institution for the faculty members. Around 70% of our faculty members have undergone face-to-face / online faculty development programmes and refresher courses.

**IQAC stimulates the academic environment for promotion of quality of teaching-learning process through a structured feedback and audit mechanism. It encourages the faculty members to adopt new and innovative approaches using ICT tools.**

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

Hindusthan College of Engineering and Technology (HiCET) facilitates various **gender equity** cells such as **Women Empowerment, Prevention of Sexual Harassment Cell**. To address the grievances of student's **Internal Complaint Cell, and Anti-Ragging Cell** were established. CCTV's were installed at various locations of campus to ensure the safety and security of students. MoU is signed with waste management companies to manage solid, liquid and e-waste. HiCET installs solar panels, use of LEDs and implements rain water harvesting technique to attain UN-SDGs. More than half of the HiCET was covered with **greenery and a Miyawaki forest** was created at the centre of the campus.

HiCET implements various policies and provide equal opportunity by creating **disabled friendly campus** though ramps, rest rooms, lifts, scribe, braille display boards, digital materials. An audit was conducted every year by a private consultant to improve **green and environmental** data's and energy dependency. **Commemorative Days** like World Environment Day, Teacher's Day, World Students Day, International Yoga Day, World Aids Day, Women's Day, Human Rights Day etc., are celebrated every year.

HiCET regularly undertakes numerous initiatives to conduct various activities in order to **facilitate intellectual, mental, physical, emotional, social and cultural activities for the students to provide holistic environment**. A mandatory subject's related to environmental, Indian constitution was incorporated into syllabus to develop aware students.

HiCET focuses on improving the **creativity and knowledge** of students through various **innovation competitions**. Faculty are recuperating their knowledge through faculty development programs.

**HiCET distinctively develops the skills of the graduates through various industry integration and professional bodies. This has been mainly achieved through IBM, Royal Enfield, Eicher, Ford, INTEL, IDEA Lab, RCPSDC, RPTO, ICT Academy, SAE and EDII-TN.**

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	Valley Campus, Pollachi Highway
City	Coimbatore
State	Tamil Nadu
Pin	641032
Website	<a href="http://www.hicet.ac.in">www.hicet.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Jaya J	0422-4242424	9176662859	-	hicetprincipal@hindusthan.net
IQAC / CIQA coordinator	Anand B	-	9843048080	-	iqac@hicet.ac.in

Status of the Institution	
Institution Status	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	
Date of Establishment, Prior to the Grant of 'Autonomy'	04-05-2000

Date of grant of 'Autonomy' to the College by UGC	16-06-2016			
<b>University to which the college is affiliated</b>				
<b>State</b>	<b>University name</b>		<b>Document</b>	
Tamil Nadu	Anna University		<a href="#">View Document</a>	
<b>Details of UGC recognition</b>				
<b>Under Section</b>	<b>Date</b>		<b>View Document</b>	
2f of UGC	25-04-2014		<a href="#">View Document</a>	
12B of UGC	04-03-2015		<a href="#">View Document</a>	
<b>Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)</b>				
<b>Statutory Regulatory Authority</b>	<b>Recognition/Approval details Institution/Department programme</b>	<b>Day,Month and year(dd-mm-yyyy)</b>	<b>Validity in months</b>	<b>Remarks</b>
AICTE	<a href="#">View Document</a>	15-07-2021	12	Approval is Given every year

<b>Recognitions</b>	
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?	Yes
If yes, name of the agency	Department of Scientific and Industrial Research Ministry of Science and Technology Government of India
Date of recognition	23-07-2021

<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	Valley Campus, Pollachi Highway	Semi-urban	30.14	95056

## 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	180	204
UG	BE,Electronics And Communication Engineering	48	Pass in Higher Secondary	English	120	163
UG	BE,Mechanical Engineering	48	Pass in Higher Secondary	English	120	210
UG	BTech,Information Technology	48	Pass in Higher Secondary	English	120	135
UG	BE,Electrical And Electronics Engineering	48	Pass in Higher Secondary	English	60	69
UG	BE,Aeronautical Engineering	48	Pass in Higher Secondary	English	60	75
UG	BE,Civil Engineering	48	Pass in Higher Secondary	English	60	78
UG	BE,Electronics And Instrumentation	48	Pass in Higher Secondary	English	30	48

	Engineering					
UG	BE,Mechatronics Engineering	48	Pass in Higher Secondary	English	120	141
UG	BE,Automobile Engineering	48	Pass in Higher Secondary	English	60	69
UG	BTech,Agricultural Engineering	48	Pass in Higher Secondary	English	60	55
UG	BE,Biomedical Engineering	48	Pass in Higher Secondary	English	60	49
UG	BTech,Food Technology	48	Pass in Higher Secondary	English	60	48
UG	BTech,Chemical Engineering	48	Pass in Higher Secondary	English	60	63
UG	BTech,Artificial Intelligence And Machine Learning	48	Pass in Higher Secondary	English	60	66
PG	ME,Computer Science And Engineering	24	Degree Pass	English	18	18
PG	ME,Electronics And Communication Engineering	24	Degree Pass	English	18	16
PG	ME,Electronics And Communication Engineering	24	Degree Pass	English	18	9
PG	ME,Mechanical Engineering	24	Degree Pass	English	9	8

PG	ME,Electrical And Electronics Engineering	24	Degree Pass	English	18	14
PG	MCA,Computer Applications	24	Degree Pass	English	60	62
PG	MBA,Business Administration	24	Degree Pass	English	60	60
Doctoral (Ph.D)	PhD or DPhil,Computer Science And Engineering	24	Master's Degree Pass	English	20	20
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	24	Master's Degree Pass	English	30	30
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	24	Master's Degree Pass	English	23	23
Doctoral (Ph.D)	PhD or DPhil,Electrical And Electronics Engineering	24	Master's Degree Pass	English	19	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	48				80				271			
Recruited	29	19	0	48	47	33	0	80	160	111	0	271
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						176
Recruited	85		91		0	176
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				35
Recruited	25	10	0	35
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.	29	19	0	38	24	0	2	8	0	120
M.Phil.	0	0	0	0	3	0	21	22	0	46
PG	0	0	0	9	6	0	137	81	0	233
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	2988	734	0	0	3722
	Female	1140	112	0	0	1252
	Others	0	0	0	0	0
PG	Male	153	54	0	0	207
	Female	74	55	0	0	129
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	26	0	0	0	26
	Female	70	0	0	0	70
	Others	0	0	0	0	0

<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Category</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	92	80	64	81
	Female	23	11	16	11
	Others	0	0	0	0
ST	Male	1	2	1	1
	Female	1	0	0	1
	Others	0	0	0	0
OBC	Male	973	608	640	709
	Female	294	284	253	289
	Others	0	0	0	0
General	Male	210	361	272	164
	Female	66	86	64	59
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		1660	1432	1310	1315

## 2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Aeronautical Engineering	<a href="#">View Document</a>
Agricultural Engineering	<a href="#">View Document</a>
Artificial Intelligence And Machine Learning	<a href="#">View Document</a>
Automobile Engineering	<a href="#">View Document</a>
Biomedical Engineering	<a href="#">View Document</a>
Business Administration	<a href="#">View Document</a>
Chemical Engineering	<a href="#">View Document</a>
Civil Engineering	<a href="#">View Document</a>
Computer Applications	<a href="#">View Document</a>
Computer Science And Engineering	<a href="#">View Document</a>
Electrical And Electronics Engineering	<a href="#">View Document</a>
Electronics And Communication Engineering	<a href="#">View Document</a>
Electronics And Instrumentation Engineering	<a href="#">View Document</a>
Food Technology	<a href="#">View Document</a>
Information Technology	<a href="#">View Document</a>
Mechanical Engineering	<a href="#">View Document</a>
Mechatronics Engineering	<a href="#">View Document</a>

### Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>The institution has started implementing National Education Policy 2020 in Undergraduate and Postgraduate Programmes. Through the new Regulations 2022 of the institution, Minor Degrees with a Multidisciplinary / Interdisciplinary nature, Honors Degrees with Specialization, and Interdisciplinary Courses have been introduced to suit the level of students from one discipline who are eager to have a taste of other disciplines. This is done by creating horizontal and vertical movements of courses. Also, a group of interdisciplinary courses is available as electives known as Open Electives. In Open Electives, two new-era Technology Courses are made mandatory and the other Courses cover Life Skills. Value-Added Courses that cover the aspects</p>
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	<p>that are not in the curriculum prescribed by the disciplines but add value by way of seeding the concepts of Soft Skills, Communication, Entrepreneurship, Design Thinking, etc., to make them better professionals. In addition, multi-disciplinary courses that hone managerial skills such as Financial Management, Digital Marketing, etc., related to the handling of finance are offered. Choices are given to the students to study Foreign Language Courses such as Japanese and French.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>The institution is a registered member of National Academic Depository (NAD) to validate the authenticity and safe storage of academic awards viz. certificates, diplomas, degrees, mark-sheets etc. The institution NAD ID is NAD007029. The institution is getting ready towards digitalizing the certificates of students for uploading in the ABC portal. As suggested in the National Education Policy 2020 (NEP 2020), the students will be given freedom to study in any institution across the country of their choice. To enable credit transfer and joint degrees through collaborations and internationalization of its education, the institution has signed MOUs with 5 Foreign Universities. For the effective implementation of the above, the institution has a flexible Choice Based Credit System (CBCS) and Outcome Based Education (OBE) in its regulations. As a prelude to the implementation of the Academic Bank of Credits prescribed in the NEP, the institution has formulated a well-defined credit system in which the following features are either incorporated already or planned to be included in the Regulations 2022. • Exchange of credits for courses and internships done in collaboration with industry partners / foreign universities. • Credits earned through online courses such as SWAYAM are already being considered for the award of the degree. • Credits can also be earned by publishing papers or patent. • Extra credit courses are also incorporated to help advanced learners. • Redesigning of the curriculum is being planned to suit the Multiple Entry-Multiple Exit scheme, so that suitable certification, diploma, graduate degree, post-graduate degree, and doctorate can be awarded at the appropriate time based on an extension of the same course of study. A total of 28 students got benefited through multiple entry and exit system during 2017-2022. A few are; 1. Bharathi Pandiyan B, Reg.</p>

	No. 171021012 got entry from Mahendra Engineering College (Autonomous) transferred to HiCET. 2. Sathyanarayanan U, Reg. No.: 19112053, HiCET transferred to Jerusalem College of Engineering, Chennai.
3. Skill development:	<p>In order to enhance the skill and employability of the students, three Employability Enhancement Courses (EEC) are added to the curriculum in semesters I &amp; II. In the III and IV semesters, more Employability Enhancement Courses (EEC) are added to the curriculum as mandatory courses with zero credit. In the VI and VII semester, one Employability Enhancement Course (EEC) was added as a mandatory course with one credit. As per NEP, entrepreneurial skills are important to the students studying in the technical Institution, so as to contribute to the economy of the country. Toward achieving this, the institution started an Entrepreneurship Development Cell (EDC) and organizes many programs in this regard. To focus on providing more employability skills, the institution offers a minimum of 6 Value-Added Courses (VAC) per programme. In other words, 239 Value-Added Courses (VAC) and Vocational Courses are conducted for the UG and PG students. Industry experts from IBM, Microsoft, Volvo Eicher and Royal Enfield are engaged in providing various skill courses for the students. Mandatory Internship/Industrial Training gives opportunities for the student to get exposure in the industrial arena. AICTE sponsored IDEA Lab is opened for all the students for 24/7 (all the time). This helps the students to experiment their ideas and making products in the institution itself. Apart from this, the Industry Institution Partnership (IIP) initiated to help the students to develop the skills. The available Industry-Partnered Centers, Competency Development Centers and Professional Societies focuses on skill development for all the students in both technical and soft skills. The institution also, through Corporate Relations Team (CRT), conducts placement training throughout the course.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The integration of Indian Knowledge System in the curriculum has been done with suitable syllabus. The students are learning the Indian Knowledge System with emphasis on teaching Indian Languages, Culture, Indian Heritage Knowledge and Medicinal

Values of Indian Echo System has also been taught to all the students of the institution. The faculty members clearly explain the value system that exist in Indian tradition and social life. The students are also given exposure about the Indian knowledge system through participation in culturally important places of India. The institution is having 31 Clubs which organizes many events regularly in order to inculcate cultural and social values in the minds of students. Yoga classes are conducted in the institution campus regularly and this has been made as mandatory for 3 Week Induction Program for I year students. Multicultural functions are organized to showcase the culture of Tamil, Kerala and other Parts of India.

5. Focus on Outcome based education (OBE):

Outcomes based education (OBE) is the highlighted trend these days in education area to the students in their professional career and lead them too greater informed and creative. OBE is very well implemented in the institution. To acquire the attributes detailed for outcome based totally right overview techniques are required, due to the fact assessment of the graduate attributes plays a key position in coaching gaining knowledge of system to enhance the device and to improve the overall performance of the students. Five programmes are accredited by NBA thereby the Graduate Attributes (POs) as highlighted in 'Washington Accord' are taken care in the formation of curriculum. The Outcome Based Education (OBE) within the framework of Choice Based Credit System (CBCS) also renders all the flexibility in devising the curriculum and syllabus. The institution is practicing Outcome Based Education by defining appropriate Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) and for all the programmes and courses offered. At the end of the course, mapping of the laid-out COs to POs/ PSOs are carried out and attainment of the POs/PSOs meticulously evaluated through attainment of COs. Employability Enhancement Courses, Internship, Mini Project, Project Work, Industrial Training, Value-Added Courses through which student understands industrial requirements and emerging technologies and can enhance their skills for industrial employability. These courses are part of the syllabus to make the education outcome based.



	Further, students' assessment is made through continuous internal assessments like periodical tests, assignments, seminars, peer team teaching, group discussions, and quizzes.
6. Distance education/online education:	The institution desires to impart both distance education and online education in view of NEP 2020 to upskill the knowledge for global competency with the approval of Distance Education Bureau of UGC. The institution has all the necessary infrastructure and necessary tools to offer both distance education and online education. The institution was highly successful in offering online classes through online platforms such as Zoom, Google Meet, Microsoft teams, etc. The faculty members have created 600+ e-content. In order to utilize the online resources, the pedagogy process is carried out through google classroom for each course offered. Faculty members and students also use online resources like SWAYAM, NPTEL, Coursera, edX, ICT Academy's Learnathon, NASSCOM's Future Skill Prime, etc. The online platforms like Kahoot, Hot Potatoes, Testmoz, QUIZIZZ and Mentimeter are used to assess the understanding level of students while delivering the lecture itself. The Campus Management System (E-campus) facilitates teachers to maintain a complete profile of students including personal and academic details, attendance, CIA marks and fee payment details. It also acts as a Faculty Record Book that carries the complete details of the course. Every semester, feedback on teaching methodologies adopted by faculty members from the students is collected through E-campus.

### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Electoral Literacy Club (ELC) has been set up in the institution in 2018 and is functioning along with National Service Scheme (NSS). The Principal is the Chairperson of the Club with NSS Program Officer as the Faculty Coordinator. Two students are also appointed as student coordinators. 100 students are members in it. The primary objective of the club is sensitizing the student community about democratic rights which includes casting votes in elections.
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<p>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?</p>	<p>Yes. The ELC has both faculty coordinator and student coordinators, appointed by the Head of the Institution. The ELC is functioning with the following Objectives. • To create awareness and interest among faculty and students through awareness activities and camps. • To educate the targeted populations about voter registration, electoral process and related matters. • To familiarize the targeted populations with EVM and to educate them about robustness of EVM and integrity of the electoral process using EVMs. • To help the target audience understand the value of their vote to ensure that they exercise their suffrage right in a confident, comfortable and ethical manner. • To facilitate voter registration for its eligible members who are not yet registered. • To develop a culture of electoral participation and maximize the informed and ethical voting and follow the principle 'Every Vote Counts' and 'No Voter to be Left Behind'. The activities report is available in the following link and in the website. <a href="https://hicet.ac.in/electoral-literacy-club-etc">https://hicet.ac.in/electoral-literacy-club-etc</a> The ELC Club imbibe the commitment and character in every member of the institution.</p>
<p>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.</p>	<p>The following are the initiatives undertaken by the ELC of the institution. - Right to Vote – Pledge - Right to Vote – Awareness in the institution and in nearby villages - Right to Vote – Drawing Competition to School students - Right to Vote – Poster Competition to College students - Special Camp for Voters inclusion and correction - Special Camp for EVM and integrity of the electoral process - Participation in Parliamentary Election Duty - Promotion of Ethical Voting - Promotion of Voting among Senior Citizens The student, Ms Mathushree has received an award from the Coimbatore District Collector for Voters Day Awareness Drawing Competition.</p>
<p>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.</p>	<p>- The institution has arranged facilities in the premises to conduct training programs to the School Teachers by the District Election Officer. - Students of the institution actively participate the Government programs in Electoral process. The student, Ms Mathushree has received an award from the Coimbatore District Collector for Voters Day Awareness Drawing Competition.</p>
<p>5. Extent of students above 18 years who are yet to be</p>	<p>The students above 18 years age are cultured to be</p>

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.

the registered voter by way of awareness camps and pledge. The ELC conducts year-wise camps for the same.

## Extended Profile

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### 1 Program

#### 1.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
22	21	20	19	16
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 1.2

##### Number of departments offering academic programmes

Response: 17

### 2 Students

#### 2.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
5310	4895	4732	4889	5002
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 2.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
1337	1217	1248	1286	1394
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**2.3****Number of students appeared in the examination conducted by the Institution, year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
5291	4880	4711	4735	4978
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

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

2021-22	2020-21	2019-20	2018-19	2017-18
21	0	15	19	7

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

2021-22	2020-21	2019-20	2018-19	2017-18
1262	1163	1056	744	477
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**3.2****Number of full time teachers year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
373	320	264	252	241
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**3.3**

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

2021-22	2020-21	2019-20	2018-19	2017-18
399	406	332	320	333
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

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

2021-22	2020-21	2019-20	2018-19	2017-18
4361	3895	3649	3404	2960
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**4.2****Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
621	709	745	718	637
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**4.3****Total number of classrooms and seminar halls****Response: 129****4.4****Total number of computers in the campus for academic purpose****Response: 1759**

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

2021-22	2020-21	2019-20	2018-19	2017-18
1927.18	1221.23	1004.66	834.88	1892.75

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curriculum Design and Development

##### 1.1.1

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

##### **Response:**

The curriculum for the programmes offered in the institution is designed with societal needs in mind, instilling finest and inclusionary education relevant to the local, regional, national and global needs. **The framework abides by the guidelines of UN-SDGs, MoE, UGC, AICTE, TANSCHI, NEP 2020, Washington Accord and Anna University** to emphasize the importance of Engineering and Technology advancements with Entrepreneurial skills.

The curriculum is revised based on the following criteria to prove holistic education for current and futuristic industry demands:

- *Norms and standards of relevant **Statutory, Regulatory and Accreditation** bodies*
- ***Inputs** from members of Premier Institutions / QS Rated Institutions*
- ***Suggestions** by Curriculum Development Cell, Pre-Board of Studies / Department Advisory Committee, Board of Studies, Standing Committee, Academic Council and Governing Body*
- ***Feedback** from various stakeholders like Industry Experts, Parents, Teachers, Employers, Alumni and Students to meet the current industry demands*

Course Outcomes are framed to produce industry-ready graduates. The following course categories foster skills pertinent to the industrial and socio-environmental spectrum:

- **Employability Enhancement Courses** to improve domain-related skills
- **Skill-Development Courses** to explore various employment opportunities
- **Mandatory Courses** to impart **Human Values, Life Skills, Design Thinking, Leadership, Management and Entrepreneurial Skills** among students
- **Internship, Mini Projects and Projects** to enhance industry perspective learning
- **Elective Courses** to enrich professional portfolio
- **Self-Learning Courses** through MOOCs to augment with recent advancements
- **Value-Added Courses** to meet Industry 4.0 requirements
- The Institution collaborates with
  - Government linked **ICT Academy** to offer courses like Learnathon, **NASSCOM Future Skills Prime**, etc.
  - **IBM, Volvo Eicher, Royal Enfield**, etc., to offer Industry-Integrated courses and have a significant impact on the career of young and vibrant minds
- Academic Collaborations with **Foreign Universities** and **Industry-Institute Partnership** have evolved **Centres of Excellence / Competency Development Centres / Industry-Partnered**



**Centres** inside the campus creating opportunities for internships, industrial /field visits and campus placement

- The **Innovative Product Development Centre** and **AICTE-IDEA Lab** provides hands-on experience, promotes research activities, encouraging start-up initiatives by young entrepreneurs to convert their novel and innovative ideas into commercially viable products
- **Hindusthan Personality, Aptitude and Career Enhancement Courses (HiPAC)** improves personality, aptitude skills and career focus
- **Extension, Co-curricular, Extra-curricular and Outreach activities** that extend beyond the classroom to encourage students inculcate social responsibilities

Considering the new-era technology development worldwide, **BTech Artificial Intelligence & Machine Learning** program was introduced during academic year 2020-2021.

To satisfy the local needs **BTech Agricultural Engineering** was introduced during the academic year 2018-2019.

Courses such as **Foreign Language, Artificial Intelligence in Health Care, Data Analytics, IoT, Cyber security, Strategic Management, International Business, Corporate Finance, etc.** that provide diverse leading-edge platforms have been introduced to confront local, regional, national and global challenges.

The curriculum satisfies the institution's Vision, Mission, Quality Policy, Graduate Attributes and stakeholders' needs. With the implementation of **Outcome Based Education (OBE)** and the **Choice Based Credit System (CBCS)**, **Student-Centric Teaching and Learning** methodology is reflected in the Programme Specific Outcomes (**PSOs**), Programme Outcomes (**POs**), and Course Outcomes (**COs**) that enhances students' competency **to meet the local, regional, national and global needs.**

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

### 1.1.2

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

**Response:**

**1.1.2.1 Number of all Programmes offered by the institution during the last five years.**

Response: 22

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

Response: 20

File Description	Document
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Details of program syllabus revision in last 5 years(Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**1.1.3****Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years****Response:****1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years..**

2021-22	2020-21	2019-20	2018-19	2017-18
962	967	933	612	446

File Description	Document
Programme / Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View Document</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View Document</a>
Average percentage of courses having focus on employability/ entrepreneurship(Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1

**Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.**

**Response:**

1.2.1.1 How many new courses are introduced within the last five years

Response: 1937

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

Response: 4702

File Description	Document
Minutes of relevant Academic Council/BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 1.2.2

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

**Response:**

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

Response: 22

File Description	Document
Minutes of relevant Academic Council/BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

### 1.3.1

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

#### **Response:**

HiCET firmly believes that students can be enriched with knowledge from value-based courses with credits in the curriculum to sink moral values, professional responsibility and social commitment. For this, the curriculum integrates cross-cutting issues and sustainability studies. More than 6000 students got benefited during past 5 years.

#### **Areas identified to integrate crosscutting issues**

- *Awareness on Environmental Issues*
- *IPR knowledge and Innovation ability*
- *Awareness on Indian Constitution*
- *Human Rights*

#### **Integration in the Curriculum**

Compulsory courses such as **Environmental Studies, Intellectual Property Rights, Indian Constitution, Research Methodology and Human Rights** are incorporated into the curriculum. Students are well-nourished with cross cutting related multi-disciplinary courses.

#### **Professional Ethics**

Courses such as **Professional Ethics, Indian Constitution, Intellectual Property Rights and Essence of Indian Traditional Knowledge** are included into the UG curriculum, while **Research Methodology, Indian Ethos and Values** are offered in the PG curriculum. In addition various professional ethics programmes are organized by different Associations / Clubs.

#### **Gender Issues**

Elective courses such as **Human Rights, Women Rights, and Gender Equity** are offered to inculcate gender awareness and equality among the students. These courses address issues related to **Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013, Protection of Women from Domestic Violence Act, 2005, Status of Women and Empowerment and Gender Bias in Workplace.**

#### **Human Values**

The course on **Human Values** covering topics such as **Human Values, Human Rights, Women Rights and Gender Equity** is offered to help students understand the values and reflect the same in their behaviour. More than **6000 students got benefited during the past five years.**

#### **Environment and Sustainability**

Environmental courses are offered to equip learners with the knowledge, skills and motivation to address complex environmental challenges. It also inculcates a sense of responsibility among the learners in protecting the environment and natural resources from anthropogenic activities. Environment related activities such as **Rain water harvesting, Temple cleaning, Vermi composting, Tree planting**, etc. are conducted by different Clubs / NSS / NCC.

### Women Empowerment

Events on **Gender Equity and Gender Sensitization** are regularly conducted by the **Women Empowerment Cell**.

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

### 1.3.2

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

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
38	46	35	29	40

File Description	Document
List of value added courses (Data Template)	<a href="#">View Document</a>
Brochure or any other document relating to value added courses	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**1.3.3**

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

**Response:**

**1.3.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
4564	4405	4467	4337	4593

**File Description****Document**

List of students enrolled

[View Document](#)

Any additional information

[View Document](#)

Link for Additional Information

[View Document](#)**1.3.4**

**Percentage of students undertaking field projects/ internships / student projects (Data for the latest completed academic year)**

**Response:**

**1.3.4.1 Number of students undertaking field projects / internships / student projects**

Response: 4549

**File Description****Document**

List of programs and number of students undertaking field projects / internships / student projects (Data Template)

[View Document](#)

Any additional information

[View Document](#)

Link for Additional Information

[View Document](#)**1.4 Feedback System****1.4.1**

**Structured feedback for design and review of syllabus – semester-wise / year-wise is received from**

**1) Students, 2) Teachers, 3) Employers,**

**4) Alumni**

**Response:**

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Action taken report of the Institution on feedback report as minuted by the Governing Council, Syndicate, Board of Management	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

**1.4.2**

**The feedback system of the Institution comprises of the following :**

**Response:**

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1

**Average Enrolment percentage (Average of last five years)**

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
1431	1326	1195	1227	890

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

2021-22	2020-21	2019-20	2018-19	2017-18
1836	1623	1710	1650	1470

#### File Description

#### Document

Institutional data in prescribed format (Data Template)

[View Document](#)

Any additional information

[View Document](#)

Link for Additional Information

[View Document](#)

#### 2.1.2

**Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy ) during the last five years ( exclusive of supernumerary seats)**

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
567	607	621	615	566



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

## 2.2 Catering to Student Diversity

### 2.2.1

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

#### Response:

**The institution assesses the learning ability of the students in the beginning and at various stages after their admission.** The institution conducts **Student Induction Program (SIP)** and **Orientation Program** for all the students. **Bridge Courses** are also conducted for the needy students.

The department identifies the **Slow Learners (I Shall)** and **Advanced Learners (I Shine)** based on the performance of students in their continuous internal assessment, classroom interaction and participation in other activities.

#### Identification of I Shall and I Shine

“**I Shall, I Shine**”, is an activity which majorly supports the **slow and advanced learners** respectively. The department identifies the “**I Shall, I Shine**”, based on the student’s performance from continuous internal assessments, end semester examinations, classroom interactions and other activities with the support of class advisor and subject faculty.

#### I Shall – Slow Learners

“**I Shall**” is designed for slow learners to improve their performance in academics. The slow learners are identified based on the marks they obtain in the internal assessment. The subject faculty assesses the difficulty of the students in learning process, based on the analysis and remedial classes conducted for them. The faculty help the slow learners to learn through assignments, seminars, quiz and classroom tests.

#### Remedial Classes

Remedial classes are conducted for the slow learners to improve the academic performance. Remedial classes are conducted after the class hours in which the doubts are clarified and the students are given better understanding of the subjects.

#### Mentor - Mentee

Mentor Mentee is a vital module for holistic development of students to bring out the inner potential of the Mentees and make them participate in various Co-Curricular and Extra-Curricular activities.

### **I Shine - Advanced Learners**

The advanced learners are encouraged with **fast track system** that gives the benefit of early joining in industry for projects / internships. They are motivated to submit their ideas as projects, present papers, attending seminars, workshops, symposiums, etc. and to appear for Civil Service and Competitive Examinations.

### **Initiatives for I Shall and I Shine**

As a regular practice, co-curricular, extra-curricular and club activities are arranged for all the students. They are fully encouraged to participate in symposium, seminar, webinar, workshop, yoga, sports, NCC, NSS, extension and societal activities. Facilities are provided for them to enroll and study MOOCs through various platforms like NPTEL, edX, etc.

These activities prepare the students to meet the educational, industry and societal requirements.

### **Outcomes**

- *Graduate percentage has improved over the years*
- *Pass percentage of students has improved in higher semesters*
- *Students actively participate in innovation contests / online programs*
- *Placement percentage has improved over the years*
- *Students could able to file Patent*

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

### **2.2.2**

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

#### **Response:**

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

## 2.3 Teaching- Learning Process

### 2.3.1

**Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences**

#### **Response:**

The institution fosters value-based holistic higher education by imparting appropriate skills through experiential learning, participative learning and problem-solving techniques. The Choice Based Credit System (CBCS) with Outcome Based Education (OBE) model facilitates student-centric learning.

#### **EXPERIENTIAL LEARNING**

**Internships** provide the opportunities the students to gain **hands-on training** from the industries and bridge the gap between the Institution and Industries. **Mock Interviews, Panel Discussions and Group Discussions** are conducted to develop the students to excel in their communication and interpersonal skills.

The curricular and co-curricular activities impart greater learning opportunities through,

- **Practical Learning Exposure** that gives exposure to hands-on laboratory experiments make learning easier
- **Internships** that provide on the job learning experience
- **Field / Industry visits** that assists to interlink the facts with the practical field
- **Industry Collaborative Programs** with IBM, LabVIEW, Intel, etc. that provide in-depth practical training
- **Competency Development Centers** like Volvo Eicher, Royal Enfield, etc. that provides industrial on-field experience
- **Market Expos and Exhibitions** by management students provide platform to understand event planning, product promotion and business skills
- **Clubs, Centers, Professional Societies and Cells** that create an engaging environment to develop new competencies

Experiential learning has been found to be an effective way of developing critical thinking, problem-solving, communication, and leadership skills. It can also promote personal growth and development to explore the interests and passions. In many educational contexts, experiential learning is seen as a valuable complement to traditional classroom-based learning, as it allows students to apply what they have learned in a more practical, hands-on setting.

#### **PARTICIPATIVE LEARNING**

Students are given wide opportunities to enrich their knowledge through,

- **Group-Learning** that involves Brainstorming, Peer Teaching, Skits, Story Narration, Seminars and Group Discussion
- **Guided Library Hour and Technical Seminar** that cultivate reading culture and develop

research ideas sharing with peers

- **Flipped Classrooms** that cultivate blended learning in which students steer class discussions
- **Webinars, Guest Lectures, Presentations and Training sessions** by corporate entities and prospective recruiters that inculcate participatory learning experience
- **Self-Study and Extra-Credit Courses** from MOOCs that encourage participative and digital self-learning

## PROBLEM SOLVING METHODOLOGY

The design work assigned to the students involve problem identification and developing solutions for necessary course of action by means of strategic approach.

- **Project-Based learning** to acquire knowledge and skills through active exploration of real world challenges and problems. Hackathons, Mapathon and Toycathon create opportunities to work in small groups towards solving real world challenges
- **Aptitude Training** helps students to acquire problem-centric learning experience
- **Case Study Analysis and Discussion** to improve analytical thinking and in-depth exploration of complex issues
- **Debugging and Trouble Shooting** are regular curricular activities
- **Institution's Innovation Council (IIC) Activities** creates ideation and problem solving skills
- **AICTE-IDEA Lab** provides opportunity to design, fabricate and test the products
- **Incubation Center** nurtures product development and start-ups

These concepts together form a powerful framework for effective teaching and learning. The students are engaged to collaborate and solve problems together to foster their critical thinking, creativity, and innovation.

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

### 2.3.2

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

**Response:**

The institution has encouraged faculty members **to adopt ICT for effective Teaching and Learning process**. Faculty have access to SWAYAM-NPTEL, the National Digital Library, N-LIST, INFLIBNET, ProQuest, Shodhganga, electronic books and E-Journals. The digital library at the institution provides access to a wide variety of e-resources such as IEEE, DELNET Online Access, NPTEL Videos. The institution has a **Learning Management System (LMS)** to increase the efficiency of teaching and

learning. The institution has also installed the **Swayam Prabha DTH** to telecast high-quality educational programmes provided by NPTEL, IITs, UGC, CEC and IGNOU. **Digital copies of video lectures of Swayam, NPTEL etc. are available for learning and reference.**

Faculty prepare digital content (PPT, videos, animations etc) using **Media Centre** for handling classes and prepare supplementary materials. These digital content and extra learning materials are posted on **Google Classroom** as well as on the **Learning Management System**. Students can access the materials from any where any time. For the advantage of the students, **e-content has been created and uploaded on institutions YouTube Channel**. Projectors, either fixed or portable, have been made available for use in classrooms and seminar rooms. **Google Classroom, Kahoot, Hot Potato, Canva, Jamboard, Poll everywhere, Google Forms, are some of the available tools.** The institution uses Google Forms to collect questionnaires for evaluation, feedback and gathering information on any topic. **Online Virtual lab** is provided for learning the laboratory exercises.

The institution provides a platform called **A-View** specifically designed for national skill development programmes, higher education programmes and digital literacy programmes offered by IIT Bombay for faculty development.

**Learning Management System** in E-campus facilitates faculty to maintain a complete profile of students including personal and academic details, attendance, CIA marks and fee payment details. It also acts as a Faculty record book that carries the complete details of the course. The course materials and lecture content are available in LMS for future reviews and enrichment of subject knowledge.

#### **ICT facilities in the Institution are**

- *Projectors / Smart boards / Interactive boards with Wi-Fi are available in classrooms and seminar halls*
- *Desktop and Laptops available in computer lab and faculty cabins*
- *Printers are available at Labs, HoD cabins and all prominent places*
- *Auditorium Digitally well equipped with mic, projectors, cameras and computer system*
- *Smart and Interactive Boards: Faculty to project and connect with their content, videos, Interactive lessons, presentations and other digital media*
- *E-Platforms: Webinar Jam, Zoom, Google Meet, Google Classroom are used to conduct online classes*
- *MOOC Platforms: NPTEL, Swayam, Udemy, Coursera, edX, FutureSkills Prime, etc.,*
- *Digital Library Resources: ProQuest, DELNET, IEEE, NDLI, N-LIST*
- *Swayam Prabha: DTH to telecast high-quality educational programmes provided by NPTEL, IITs, UGC, CEC and IGNOU*
- *Electronic Databases: E-Journals, E-Books, E-Contents*
- *Online Compiler: GDB*
- *Virtual Lab: MoE's vlab*
- *E-Learning System: A-VIEW*

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="#">View Document</a>

### 2.3.3

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

**Response:**

2.3.3.1 **Number of mentors** ?????????????? ???????

Response: 383

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

### 2.3.4

**Preparation and adherence of Academic Calendar and Teaching plans by the institution**

**Response:**

The first and foremost step to be followed for the improvement of quality in teaching and learning is training the students to accomplish the given task in a stipulated time. **The academic calendar includes commencement of class work, last working day, dates for internal tests, list of holidays etc.** The list of activities with their scheduled dates are given in the beginning of each semester. This information is disseminated through calendar, institution website, notice board etc.

**Academic Calendar**

**Academic Calendar is prepared to plan, organize, guide, monitor, coordinate and control all the academic process of the institution, before every semester.** Academic process provides the detailed

timeline chart of the activities such as **Faculty Requirement, Work Load & Time-Table Preparation, IQAC Meeting, Course File Audit, Logbook Verification, Feedback from students, Peer Group Meeting, Class Committee Meeting, Remedial Classes, Online Test, Examination Schedule, Submission of Internal marks, Internal Audit, External Audit and reopening date for next semester.**

### **Academic Handbook**

Academic Handbook is prepared by the constituted committee comprising the Principal, Dean, Controller of Examinations, IQAC Coordinator and senior faculty members. The handbook contains the Vision, Mission, Tamil Thai Vazhthu, National Anthem, Board of Trustees & Governing Body, Programmes offered, list of departments and faculty members, rules and regulations of the institution, library rules, hostels and general rules, periodical test, tutorial system, examination related information, financial support to poor students, online courses, industry integrated programmes, tie-ups and collaborations, Research Committee, Incubation centers, EDC, IIC, Physical education, Placement Cell, NCC, NSS, Clubs and Associations, Anti-Ragging Committee, Discipline Committee, Women Welfare and Empowerment Committee, Internal Complaints Committee, Student Grievance-Redressal Committee, Alumni Association, etc.

The academic handbook also contains the details regarding the working days of the college, schedule of the Continuous Internal Assessments, Model Examinations, End Semester Examinations, Festival days, Club & Association activities, Events schedule, Dates for Payment of Fees, Holidays, etc.

### **Teaching Plan**

The course coordinator prepare unit-wise teaching plan of the course content which includes lecture hours, learning outcomes, teaching mode which is duly approved by HoD. This schedule is placed in the course file at the beginning of the semester. Course coverage is monitored by the concerned HoD once in a fortnight and deviations if any, are clarified with the concerned faculty and special class work is planned.

### **Adherence to Academic Calendar**

**Calendar Adherence Committee** monitors the academic schedule, conduct of CIA & ESE, publication of results and co-curricular events. The identified deviations and recommendations are submitted to the Principal. The necessary directions are given to **Calendar Committee** for implementation in the ensuing academic year calendar.

### **Outcomes**

- *Academic Activities planned for 2021-2022 are followed without deviation*
- *End Semester Examinations are planned and completed within the scheduled time*
- *Calendar of Events are planned well in advance by all the departments*

File Description	Document
Upload Academic Calendar and Teaching plans for five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1

**Average percentage of full time teachers against sanctioned posts during the last five years**

**Response:**

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

### 2.4.2

**Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)**

**Response:**

**2.4.2.1 Number of full time teachers with *Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit.* year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
120	100	71	57	54



File Description	Document
Institutional data in prescribed format (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**2.4.3**

**Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)**

**Response:**

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

Response: 4633.76

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

**2.5 Evaluation Process and Reforms****2.5.1**

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

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
15	12	6	15	8

File Description	Document
Institutional data in prescribed format (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 2.5.2

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

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
21	0	15	19	7

File Description	Document
Number of complaints and total number of students appeared year wise	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 2.5.3

**IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in Examination Management System (EMS) of the Institution**

**Response:**

Customized Examination Management Systems namely **COXCO** and **Examly** are used by the institution to automate the Continuous Internal Assessment (CIA) and End Semester Examination (ESE) process.

The examinations for BE / BTech / ME / MBA / MCA programmes are conducted **in accordance with the curriculum structure, autonomy rules and regulations as approved by Academic Council**. Students are evaluated for their academic performance through Continuous Internal Assessments (CIA) and End Semester Examinations (ESE).

**Principal / Chief Controller of Examinations as Chairman and Controller of Examinations (COE) as Member Secretary** including Dean Academics and Five Senior Heads of Department form the **Examination Committee** to support the smooth conduct of CIA and ESE. All the examination reforms and COE activities are carried out with the initiation of **IQAC** and **approval of Academic Council**.

### **Process of integrating IT**

The examination system of the institution is fair, efficient, reliable and transparent. The **Office of COE is IT integrated** for the smooth conduct of examinations. The integration has Enabled Easier and paperless examination process.

Course wise student data entry and examination application generation are carried out through examination software. Once the candidates are registered, the examination software automatically prepares the following

- *Examination application*
- *Examination fee generation*
- *Online payment of examination fee*
- *Hall ticket with photo identity*
- *Examination time table*
- *Seating plan*
- *Schedule of distribution of question paper*
- *Attendance and absentees statement*
- *Assigning of dummy numbers*

Entry of theory and practical marks in the examination software will be done by the faculty concerned using their individual id and password. The examination software compiles both the Internal & External marks and compute the grade point calculations automatically.

OCOE communications are through mail and the student related services are made available on the institution website. URL of OCOE : <https://hicet.ac.in/about-office-of-coe>

**This reform is introduced in the examination system to speed up the process and make it fully error free.**

### **Continuous Internal Assessment**

As per the regulations, OCOE conducts two CIA and one Mid-Semester examination in each semester. Internal examinations are conducted centrally by OCOE on the dates mentioned in the academic calendar.

For CIA, the questions papers are set by the course coordinator following Blooms Taxonomy levels and scrutinized by a senior Faculty / HoD of the concerned department for ensuring the quality of the question papers.

Theory, Practical, Theory with Practical and Project are the different kind of courses made part of the

curriculum. **All the courses are evaluated throughout the program of study.**

**Theory Course:** Each theory course is assessed for 100 marks with a weightage of 25% for CIA and 75% for ESE for UG courses under regulation 2016 and 2019. For PG courses, 40% CIA and 60% ESE is followed.

**Laboratory Course:** Each Laboratory course is assessed for 100 marks with a weightage of 50% for CIA and 50% for ESE for both UG & PG courses.

**Internship / In-plant Training:** The evaluation is based on the performance of the student for the work assigned by the supervisor and evaluated in the departmental committee with 100% CIA.

**Project Work:** The evaluation of the project work is based on progress of the student in the work assigned by the project supervisor, periodically evaluated by the supervisor together with the departmental committee constituted for this purpose with weightage of 50% for CIA and 50% for ESE.

### **End Semester Examinations**

During COVID-19 pandemic period, the Government has ordered for total lock down for the educational institutions and hence all CIA and ESE were conducted, online CIA and ESE were conducted. The **Examly Software** was used to conduct the online examinations. MCQs based and proctored examinations were conducted successfully based on the guidelines of the affiliated University. The online CIA and ESE have been conducted successfully for May-2020 and Nov-2020 sessions.

After COVID-19 pandemic period, three hour written mode of ESE is conducted with individual hall invigilators.

**Invigilators and flying squad** are constituted by the Chief COE to monitor smooth conduct of examinations and prevent malpractices.

### **Evaluation**

The institution follows central evaluation system for evaluating answer papers of ESE. The passing minimum is fixed as 50% (CIA and ESE put together). The relevant subject experts are the evaluators. Minimum 50% evaluators are from other institutions.

### **Revaluation, Retotalling, and Photocopying**

The opportunity for **revaluation, retotalling, and photocopying of answer scripts** on request of the students are provided to make the evaluation process transparent.

### **Scribe Support**

**If any candidate is seeking assistance of scribe facility, it can be availed by submitting medical certificate from the medical officer** not lower than an assistant civil surgeon showing the physical disability of atleast 40%. The scribe will be arranged by the COE. For such candidates and additional time is granted for completing the examination.

**Mark Statements**

The parchment papers are used for printing mark statements with 11 high security features.

Improvements made in the recent years through IT Integration are

- *Online Examination*
- *Online selection of Open Elective Courses under CBCS*
- *Automated Internal mark calculation*
- *Online Examination fee collection*
- *Result publication in student login*
- *Generation of reports*
- *Programme-wise Ranking of meritorious students*
- *Revision of Panel of Examiners once in three years*
- *Supplementary Examination for outgoing students*
- *Examination Grievance Committee to address the examination related Grievances*
- *Disciplinary Action Committee to address the malpractices of the students*
- *Examination Reforms Committee to suggest and implement the examination reforms*
- *Online verification of Genuineness of Qualification of students*

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

**2.6 Student Performance and Learning Outcomes****2.6.1**

**Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.**

**Response:**

**The institution website displays the curriculum and syllabi for each programme, as well as the Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs), and effectively disseminates this information to faculty and students.**

**The Department Advisory Committee frames the COs for each course, which are then reviewed and approved by the Board of Studies and Academic Council.**

**The Program Outcomes broadly demonstrate academic competency, social relevance, development of skill sets for sustainable growth, employability skills and value-based education provided by the institution.**

**The COs are derived to achieve POs which help in attaining the vision and mission of the institution.** PSOs and POs are designed to reflect the information and abilities that students are expected to acquire during the course of study.

The **institution website (<http://hicet.ac.in>)** contains comprehensive information about POs, PSOs, and COs for all the programmes that the institution offers.

Course Outcomes are clear declarations of the fundamental and enduring disciplinary knowledge and skills that students should have as well as the level of learning that is anticipated following course completion.

The students are informed of the POs and PSOs. The Faculty of the appropriate courses inform the students of the COs at the beginning of each semester. The faculty members receive training to understand contemporary ideas and their expanding applications, which enables them to change the COs of their own discipline.

**Course Outcomes are mapped with POs and PSOs.**

**The PSOs, POs, and COs are disseminated through**

1. *Institution website : [www.hicet.ac.in](http://www.hicet.ac.in)*
2. *Curriculum and Syllabi book (**Handbook**)*
3. *Test notes and assignment notes*
4. *Notice boards in Departments and Laboratories*
5. *Laboratory manuals*
6. *Classroom display boards*
7. *Department Newsletters*
8. *Event Brochures*
9. *Class Committee meetings*
10. *Mentor Mentee meetings*
11. *Induction programs*

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

## 2.6.2

**Attainment of programme outcomes and course outcomes are evaluated by the institution.**

**Response:**

HiCET offers various courses and also conducts **curriculum review** of its programme on a regular basis (**twice in a year**) as per the need and requirement. In this process, all the stakeholders (**Parents, Faculty, Students, Alumni and Recruiters**) are involved in designing the curriculum.

The **OBE Implementation and Monitoring Committee** headed by the Principal along with its members conducts internal meetings with every department to ascertain the content and pedagogical approach to meet the objectives of the COs and POs.

**Based on the recommendations of the committee, the attainment levels are fixed.**

Based on the COs drawn up, a teaching methodology involving traditional methods, ICT tools, seminars, internships, projects, workshops and a host of other activities are being carried out.

The CIAs are conducted periodically. 25% weightage is allotted for internals, the components of which are assignments, seminars and test marks. As per the calendar, ESE are conducted for all courses. The COs are assessed from the marks obtained in the examinations.

**The result of CO attainment is used to evaluate the attainment of Programme Outcome.** The CO marks for each student scored against each CO is tabulated and CO/PO matrix is developed to map the outcome.

#### **Direct Assessment for CO**

The direct assessment of CO includes CIA-I, CIA-II, mid-semester examination and assignments which are assessed by internal faculty members and end-semester examination by external examiners for both theory and practical examinations.

#### **Indirect Assessment for CO**

The indirect assessment of CO includes the **Course Exit Survey**.

#### **Direct Assessment for PO**

The direct assessment of PO includes CO attainment mapped with the attainment level.

#### **Indirect Assessment for PO**

The indirect assessment of PO includes stakeholders survey such as **Employer Survey, Parent Survey, Alumni Survey and Graduate Exit Survey**.

#### **Attainment Levels**

Course outcomes of all courses are assessed with the help of above mentioned assessment tools and attainment level is evaluated based on set attainment rubrics. **The target attainment levels are fixed by the Course Coordinator based on the previous year results and quality of current batch students.**

#### **Outcomes**

*Through OBE implementation, it has been observed that the student enrolment and pass percentage are increasing progressively. There is an improvement in students' progression to higher studies and also in placement.*

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

### 2.6.3

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

**Response:**

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

Response: 1274

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

Response: 1328

File Description	Document
Upload List of Programmes and number of students passed and appeared in the final year examination(Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>
Link for the annual report	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

### 2.7.1

**Online student satisfaction survey regarding teaching learning process**

**Response:**



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

## Criterion 3 - Research, Innovations and Extension

### 3.1 Promotion of Research and Facilities

#### 3.1.1

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

#### Response:

HiCET is committed to inculcate Research and Development culture among faculty and students in emerging and frontier areas. The **Research Committee** is constituted to promote innovative and industry relevant research. HiCET has a well-established **Research Promotion Policy**. **Research Seed Money** is awarded to promote **Interdisciplinary Research** in thrust areas. Separate budget is allocated every year to strengthen the promotion of Research and facilities.

Year of Research Policy : **2016** (Version 1)

Year of Research Policy : **2020** (Version 2)

#### Research Ecosystem

- **Research Centre:** 4 Recognized research centres by Anna University are available with **24 research supervisors** to promote research in thrust areas. **64 PhDs awarded** and **104 PhDs** are pursuing as on August 2022.
- **DSIR Recognized the Institution with SIRO** as research based institution.
- **Research Laboratories:** Separate Research Labs are established in Engineering Departments.
- **Innovation Centre**
  - **AICTE-IDEA Lab:** HiCET is one among **49 institutions in India** for obtaining Rs **1 Cr** for the establishment of IDEA Lab to promote innovation.
  - **Hindusthan Product Development Centre:** Incubation centre approved by **MSME**.
  - **MoE's Institution's Innovation Council (IIC)** facilitates Ideation, Innovation and Product Development.
- **Centres of Excellence** in emerging technologies.
- **IPR Cell** creates awareness and IP generation/transfer.
- **Research Seed Money** is awarded to encourage inspired brains to innovate.
- **Digital Library** supports E-Resources required for Research.

#### Centres of Excellence / Competency Development Centres

HiCET provides students with research opportunities to prepare them for careers in that field. **8 Centres of Excellence** and **22 Competency Development Centres** are established with the support of Industry-Partners and are functioning effectively.

1. Centre of Excellence in Virtual Instrumentation by LabVIEW Academy School
2. AICTE-IDEA Lab

3. Centre of Excellence in Drone Technology supported by Planet-X Aerospace
4. Centre of Excellence in Robotics
5. Centre of Excellence in Embedded Systems and IoT by Intel
6. Centre of Excellence in Electric Vehicles
7. Centre of Excellence in Programmable Logic Controllers (PLC) powered by SIEMENS
8. HONEYWELL Centre of Excellence for Youth Empowerment

URL of the Centres of Excellences : <http://www.hicet.ac.in/explore-more#centres-of-Excellence>

URL of the Competency Development Centres : <https://www.hicet.ac.in/explore-more#competency-development-centres>

### Outcomes

- *Dr M Mohanraj - Ranked in Standford University Global Top 2% Scientist*
- *Dr M Mohanraj - Visiting Faculty to Yessenov University*
- *Dr R Lakshmanakumar - IEEE Brand Ambassador for Research*
- *Dr R Lakshmanakumar - Post-Doctoral Programme*
- *Ms T Vijayalakshmi - Research Fellowship program*
- *IIC has achieved the 4 STAR Rating in the country in 2022*
- *Fifteen Teachers are Innovation Ambassadors*
- *ARIIA Ranking: Band - Performer in 2022*
- *The faculty members are encouraged with incentives for research activities which paved the way for 799 research papers in UGC-CARE, Scopus & Web of Science indexed journals and 446 patent*
- *Faculty are benefited with 40% on the revenue in 101 Consultancy projects*
- *160 Students were trained through INTEL Intelligent Systems Lab*
- *Volvo Eicher trained 49 teachers and 1089 students*
- *More than 300 students were trained in LabVIEW*
- *Eight incubatees have been benefited through incubation*
- *138 students have become entrepreneurs*
- *SAE activities resulted in 38 awards*

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

**3.1.2**

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

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
8.97	6	1.24	0	0.50

File Description	Document
Minutes of the relevant bodies of the Institution	<a href="#">View Document</a>
List of teachers receiving grant and details of grant received	<a href="#">View Document</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.1.3**

**Percentage of teachers awarded national / international fellowship for advanced studies/research during the last five years**

**Response:**

**3.1.3.1 The number of teachers awarded national / international fellowship for advanced studies / research year wise during last five years**

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

File Description	Document
List of teachers and their international fellowship details	<a href="#">View Document</a>
e-copies of the award letters of the teachers	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.2 Resource Mobilization for Research

### 3.2.1

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

**Response:**

**3.2.1.1 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
0	0	0	0	0

File Description	Document
List of project and grant details	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by government and non-government	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.2.2

**Percentage of teachers having research projects during the last five years**

**Response:**

**3.2.2.1 Number of teachers having research projects during the last five years**

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

File Description	Document
Names of teachers having research projects	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**3.2.3****Percentage of teachers recognised as research guides****Response:****3.2.3.1 Number of teachers recognized as research guides**

Response: 24

File Description	Document
Upload copies of the letter of the university recognizing faculty as research guides	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**3.2.4****Average percentage of departments having Research projects funded by government and non-government agencies during the last five years****Response:****3.2.4.1 Number of departments having Research projects funded by government and non-government agencies during the last five years**

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

## 3.2.4.2 Number of departments offering academic programmes

2021-22	2020-21	2019-20	2018-19	2017-18
17	17	16	15	12

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
List of research projects and funding details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste link to funding agency website	<a href="#">View Document</a>

## 3.3 Innovation Ecosystem

## 3.3.1

**Institution has created an eco system for innovations, creation and transfer of knowledge supported by dedicated centers for research, entrepreneurship, community orientation, Incubation etc.**

**Response:**

HiCET has created an **ecosystem to nurture research interest, innovation, skill enhancement, IPR generation/transfer and start-up/entrepreneurial ventures**. The institution has **8 Centres of Excellence, MSME Incubation Centre and IBM Career Education** for the promotion of innovation in Teaching, Research and innovative ideas into viable business propositions. HiCET promotes research through well-equipped **AICTE-IDEA Lab, research labs, guiding research scholars, facilitating projects, collaborating with partner institutions and industries** in areas of mutual interest.

**INNOVATION ECOSYSTEM**

- **DSIR - SIRO** recognition to promote the innovation ecosystem in the institution
- **Hindusthan Innovative Product Development Centre (HIPDC)** is approved by MSME implements the scheme of **Entrepreneurial and Managerial Development of SMEs through Incubators**
- **Centres of Excellence / Competency Development Centres** promotes innovative research projects.
- **IPR Cell** creates awareness and IP generation/transfer
- **EDC** serves as a platform to explore the entrepreneurial potential
- **IIC** engages and encourages students in their formative years to become entrepreneurs
- **Centre for Research**, coordinates departments to enhance research activities through policy formulation and implementation. HiCET offers **4 Research Programmes** in Mechanical,

CSE, ECE and EEE

- **Digital Library** supports with E-Resources required for research activities
- **Research Seed Money** is awarded to encourage inspired brains to innovate through research and to boost the application of technological advancement for the benefit of society
- There are **24 faculty** recognized as **Research Supervisors** and **104 Candidates** are pursuing PhD
- HiCET is recognized as a authorised **RPTO nodal centre for Drone Training** by **DGCA**
- **AICTE sponsored Skill and Personality Development Program Centre (SPDC)** imparts soft and domain-specific skills to make students industry ready through various skill development activities such as Learnathon, Hackathon, Toycathon, Mapathon, Techgium, NASSCOM FutureSkills, Google Certification, Internship programmes, FACE Prep, AICTE NEAT Terv
- **AICTE PRERANA Scheme** for motivating SC/ST students to pursue Higher Education
- HiCET is approved Nodal-Centre for conducting **National-Level Smart India Hackathon Competition** by MHRD
- HiCET is recognized Nodal centre for conducting **National-Level Toycathon** competitions by **AICTE Innovation Cell**
- **Virtual Lab Nodal centre** approved by MoE in collaboration with NIT, Suratkal-Karnataka
- **SAE-INDIA** recognized the institution for the formation of SAE-INDIA collegiate club

## OUTCOMES

- **66 Funded Research Projects**
- **ARIIA recognizes** under the category of **Band-Performer** in overall India
- **Received 1st Prize** in **IITB-AICTE Mapathon Competition**
- **17 teams** were finalist in **TECHgium Contest**
- Acquired **First place** in completing the maximum number of **Learnathon courses** in **National and State-level**
- Students received **11071 badges** in completing the **NASSCOM FutureSkills** courses
- Four students received the **best innovator award** from the Hon'ble CM of TamilNadu Thiru M.K.Stalin in the **National-Level Techknow-2022 competition**
- **Dr M Mohanraj** has been listed consecutively by **Stanford University** in **Top 2% Scientists in the World**
- **Dr R Poornima** is bestowed with **Women Researcher Award**
- **Dr K Sekar** has been honoured with **Best Emerging Technology Performer Award**
- **Winner in the Hardware Edition** in **SIH 2019**
- **First Prize** in **TECHTRYDAN 2019**
- **Two incubation projects** are awarded by **MSME**

## IIC RATING

- **4 STAR** out of 4 in 2021-2022
- **4 STAR** out of 5 in 2020-2021

## PATENT

- **Granted** – 58
- **Published** – 388

## ENTREPRENEUR



- *138 Entrepreneurs*

### **RESEARCH PUBLICATIONS**

- *799 in UGC-CARE, Scopus and Web of Science Journals*

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

### **3.3.2**

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

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
279	163	54	39	33

<b>File Description</b>	<b>Document</b>
Report of the event	<a href="#">View Document</a>
List of workshops/seminars during last 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## **3.4 Research Publications and Awards**

### **3.4.1**

**The Institution ensures implementation of its stated Code of Ethics for research through the following:**

- 1. Inclusion of research ethics in the research methodology course work**

**2. Presence of Ethics committee****3. Plagiarism check through software****4. Research Advisory Committee****Response:**

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

**3.4.2**

**Number of Ph.D's registered per teacher (as per the data given w.r.t recognized Ph.D guides/supervisors provided at 3.2.3 metric) during the last five years**

**Response:**

3.4.2.1 How many Ph.Ds are registered within last 5 years

Response: 73

3.4.2.2 Number of teachers recognized as guides during the last five years

Response: 24

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>
URL to the research page on HEI web site	<a href="#">View Document</a>

**3.4.3**

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

**Response:**

3.4.3.1 Number of research papers in the Journals notified on UGC website during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
211	160	93	91	48

<b>File Description</b>	<b>Document</b>
List of research papers by title, author, department, name and year of publication	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.4**

**Number of books and chapters in edited volumes / books published per teacher during the last five years**

**Response:**

**3.4.4.1 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
121	139	70	68	45

<b>File Description</b>	<b>Document</b>
List books and chapters in edited volumes / books published	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.5**

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

**Response:**

<b>File Description</b>	<b>Document</b>
Bibliometrics of the publications during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.6**

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

**Response:**

<b>File Description</b>	<b>Document</b>
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.5 Consultancy****3.5.1**

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

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
47.72	8.20	19.36	2.23	4.47

**File Description****Document**

List of consultants and revenue generated by them

[View Document](#)

Audited statements of accounts indicating the revenue generated through consultancy and corporate training

[View Document](#)

Any additional information

[View Document](#)

**3.5.2**

**Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs).**

**Response:**

**3.5.2.1 Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
112.69	29.71	33.7	16.0	30.38

File Description	Document
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View Document</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View Document</a>
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.6 Extension Activities

#### 3.6.1

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

**Response:**

#### **INSTITUTIONAL SOCIAL RESPONSIBILITIES (ISR)**

**Extension Activity** is a parallel mode of Teaching-Learning process which **promotes meaningful, continuous and strong connection between the college and the community** that ensures a **intellectual, mental, physical, social skill and emotional development** among students and in the community. Sensitizing the students about social issues is an integral part of the vision and mission of the institution which is carried out through **NSS, NCC** and various **Clubs**.

#### **SCHEME**

**Unnat Bharat Abhiyan (UBA):** Five villages (Arasampalayam, Arisipalayam, Vadasithur, Ettimadai, Ettimadai Extn) are adopted under this scheme.

**National Service Scheme (NSS)** conducts residential camps every year and serves the community regularly. Events like Blood Donation Camp, Tree Plantation, Eye camps, Awareness programs on HIV/AIDS, Health, Drug Addiction, Hygiene and Sanitation, Swachh Bharat, Plastic & Solid Waste Management, Jal Shakti Abhiyan, etc are conducted.

The 3 units of **National Cadet Corps (NCC)** comprising of 120 students involve in major activities like

Awareness and Vaccination Drive for Covid 19, **Swachh Bharat Abhiyan**, Plastic Awareness Rally, **Swachh Pakhwada**, etc.

In addition to NSS and NCC, various clubs like **Nature club**, **Yoga club**, **Rotaract club**, **Women Empowerment Cell** etc. organise extension activities like **Environmental Awareness program and rally**, **Empowering women**, **Gender Equity**, etc.

**Uyir Club** involves in road safety. **Rotaract club** has made notable contribution and received citation.

School students are educated with scientific facts through **EDUCAT** program in the campus, every year.

### Impact on Students

The institution, through extension activities, has moulded the students as agents of social change to provide lasting solutions to social problems. Engaging the students in extension activities has created a sense of service-mindedness among the student community.

### Impact on the Society

The extension activities have resulted in improving literacy rate, online usage, knowing Government schemes, reducing drug abuse, hygienic surrounding and improved health and cleanliness in the neighbourhood communities.

### Impact of Extension Activities

#### Notable Awards

- *Recognition for Active status of Rotaract Club from Rotaract District for 2021-2022*
- *Bhumi Campus Award 2022 for Eco-Friendly campus*
- *Best NSS Officer Award during 2020-2021*
- *Best NSS Volunteer Award during 2020-2021*
- *Best Green Campus Award for maintaining the campus as per the Green and Energy Conservation Building Code during 2019-2020.*

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

### 3.6.2

**Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government recognised bodies during last five years**

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

2021-22	2020-21	2019-20	2018-19	2017-18
10	10	15	21	20

File Description	Document
Number of awards for extension activities in last 5 year	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.6.3****Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years****Response:****3.6.3.1 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
110	65	37	36	36

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**last five years****Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
5310	4895	4732	4889	5002

<b>File Description</b>	<b>Document</b>
Reports of the event	<a href="#">View Document</a>
Average percentage of students participating in extension activities with Govt or NGO etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.7 Collaboration****3.7.1**

**Number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work**

**Response:**

**3.7.1.1 Total number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work**

2021-22	2020-21	2019-20	2018-19	2017-18
1434	618	547	507	326

<b>File Description</b>	<b>Document</b>
Number of Collaborative activities for research, faculty etc	<a href="#">View Document</a>
Copies of collaboration	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>



**3.7.2**

**Number of functional MoUs with institutions of national, international importance, other institutions, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)**

**Response:**

**3.7.2.1 Number of functional MoUs with institutions of national, international importance, other Institutions, industries, corporate houses etc. year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
46	31	17	8	5

<b>File Description</b>	<b>Document</b>
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View Document</a>
Details of functional MoUs with institutions of national, international importance, other Institutions etc during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1

**The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.**

#### Response:

Hindusthan College of Engineering and Technology (HiCET) is situated on Coimbatore-Pollachi highway (15 km from Coimbatore Railway Station and 25 km from Coimbatore International Airport). **HiCET is a sprawling environment friendly campus of 30.14 acres.**

The institution has **seven academic blocks with elevators**. It includes **120 ventilated classrooms** with total area of 11021 sq.m. (**equipped with ICT facilities and LCD projectors/smart boards**). The classrooms are fitted with large windows, LED lights, ceiling fans and boards with natural lighting. Additionally, the academic blocks have halls for administrative purposes, alumni affairs, accounts section, central stores, student affairs, controller of examinations, internal quality assurance cell, board room, training and placement cell, research and development laboratories, studio for recording lecture videos, space for clubs, etc. Two drawing halls with a capacity of 65 each (area: 334 sq.m.) are used for engineering drawing courses.

Besides, **9 seminar halls (3 air-conditioned)** with ICT and audio-visual facilities in an area of 1500 sq.m. are available for conducting seminars, workshops, symposiums, faculty development programs, co-curricular, extracurricular programs, etc. Two auditoriums namely, **Kalam Auditorium** and **Tagore Auditorium** with a total area of 669 sq.m. is used for knowledge sharing, placement trainings, orientation programs, alumni interactions and skill development activities. Thirty **Centres of Excellence** and **Competency Development Centers** with the total area of 1725 sq.m are available. An **AICTE-IDEA Lab** with a total area of 366 sq.m. is available for improving innovation. The institute has separate hostels for boys and girls with reading and recreation rooms with a capacity of 2500 and 600 members, respectively.

To impart practical skills, the departments are equipped with modern equipment. About **50 laboratories** are available in various engineering and science departments. Moreover, 1759 computers with advanced configurations and high speed internet are provided in 26 labs of different departments. Spacious and furnished cabins are provided to all the faculty members. All the floors in academic blocks are provided with **RO drinking water** facility with enough wash rooms. The institute has four boys hostel and two girls hostel, ATM, canteens, guest house, staff quarters, sports and games facility, etc.

A well equipped library with **81577 volumes of books, 216 Journals** (National and International) and **10,727 e-Journals**, CD-ROMs, on-line databases, audio video cassettes and project reports are available. Reprographic and networking facilities are available in the **Digital library**. The library resource centre is fully automated using **user-friendly library software**. The institution has subscribed to online resources like **IEEE, DELNET, ProQuest, National Digital Library and Swayam Prabha**.

Other physical infrastructure including solar photovoltaic power generation with a capacity of 65 kW,

rain water harvesting, vehicle parking for faculty and students, indoor stadium, guest house, open-air theatre, halls for cultural activities, digital surveillance, etc. are available. The institution operates 12 buses for commuting dayscholar students and faculty members in 50 km radius from the institution.

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

#### 4.1.2

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

##### Response:

The institution has **10 acres of playground** with **200 m track for athletic** events to house the sports and games. The **Department of Physical Education** is headed by a **Physical Director** assisted by **Assistant Physical Directors**. The Department has enough facilities to support both indoor and outdoor games for the students to practice and to conduct intra-collegiate and inter-collegiate tournaments. The students organize tournaments, which give them good opportunity to enhance their leadership and managerial skills. The sports activities are held throughout the year between **7.30 am and 7.30 pm**. A well spaced indoor stadium of 690 sq.m is available for indoor sports like Table Tennis, Carrom, Chess, etc. In addition, the institution has outdoor playgrounds, play-courts for cricket, basketball, football, tennis, shuttle, volleyball, kabaddi and ball badminton. The intramural tournaments are organized to enhance the talent of the students.

The students have showcased their achievements in sports and games.

##### Specifications of Outdoor and Indoor Games

- *Cricket Ground with 60 m radius spread over an area of 6.42 acres*
- *Volleyball court of size 300 sq.m*
- *4 shuttle badminton courts of 880 sq.m in the indoor sports complex*
- *2 Standard concrete basketball court of size 608 sq.m*
- *Football ground of size 26000 sq.m*
- *Throw Ball court of size 1500 sq.m*
- *Kabaddi courts for boys and girls of 1500 sq.m*
- *Carrom boards 10 are available*
- *3 Table Tennis Table are available*
- *10 Chess boards are available*
- *Tennis Court of 668.9 sq.m*

Modern sport equipment are made available to the students and faculty members. The Department of Physical Education is frequently organizing Zonal, State and National level sports in the institution

premises.

### Gymnasium

Gymnasium centre has widespread air-conditioned space of 181.16 sq.m. It is fitted with equipment like adjustable bench, barbell stand, dumbbells with stand, exercise ball, treadmill, gym plates, 10 multi station. A separate timing is available for men and women. Facilities such as parallel bars and one pull-ups bar are also available for the students to develop their physique.

### Clubs

The institution has **31 clubs** to involve the students and faculty in extra-curricular activities and making social awareness.

### Yoga

Exclusive yoga halls are available for the benefit of students and faculty members.

### Auditorium

Annual Day, Graduation Day, First year orientation and Inter-collegiate competitions are conducted in auditorium. The technical events of the departments and cultural events of the Fine Arts club are also conducted in auditorium. The event namely EDUCAT for school students is organized every year to improve their scientific and engineering temper.

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

#### 4.1.3

**Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)**

**Response:**

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

Response: 101

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

#### 4.1.4

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

**Response:**

**4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
1501.6	715.09	269.38	342.69	1503.66

File Description	Document
Upload Details of Expenditure , excluding salary during the last five years	<a href="#">View Document</a>
Upload audited utilization statements	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1

**Library is automated using Integrated Library Management System (ILMS)**

**Response:**

HiCET Library to nurture young minds was established in 2000 with a capacity of 350 is spread over carpet area of 2020 sq.m.It is well-stacked with **81557 volumes, 216 journals, 29 magazines, 5041 theses, 2773 back volumes, and 4192 compact discs.** Library houses a digital library that enhances Teaching and Learning by enabling the users to access a wide range of resources. Access to e-resources such as **IEEE (ASPP), NDLI, N-LIST, ProQuest and DELNET** is available. **Swayam Prabha DTH is installed** for telecasting IGNOU, IITs, UGC and NPTEL education. CCTV cameras are

installed for safety purposes. The **reprographic facility** provides copying and printing. Academic databases like **Vidwan, ORCID, Scopus and Google Scholar** provide faculty profiles. **Scholarly networks and academic identities are facilitated by IRINS.**

### **Integrated Library Management System (ILMS)**

ILMS was installed in 2004 to simplify and improve the use of the library and other institution resources. This system uses **Lips iNet software.**

Name of the ILMS software : **Lips iNet**  
Nature of automation : **Fully Automated**  
Version : **5.0/7.0**  
Year of automation : **2004/ 2022**

The Library Automation software contains the following modules:

#### **(i) E-Gate**

Bar coded ID cards are used by students, faculty and visitors to register entry and exit.

#### **(ii) OPAC**

OPAC offers Quick Search, Basic Search and Advanced Search for book cataloguing by Accession Number, Title, Author, Publisher, Department, Subject and Keyword.

#### **(iii) Circulation**

Process of counter transactions such as issue, return and renewal of books are made easier.

#### **(iv) Acquisition Control**

Acquisition control module provides access to budget allocation and distribution for library acquisitions.

#### **(v) No due report**

No due report for the members can be done by this module at the end of every academic year.

#### **(vi) Transactions**

Everyday transaction of book issue and return are perfectly recorded and transaction report can be generated at any point of time. History of transaction report of the students and faculty members can also be generated.

#### **(vii) Reports**

Reports can be generated that include the total number of books, title and new arrivals for each department. The report also facilitates the extraction of title, volume and price for each year.

**(viii) Cataloguing**

Cataloguing through Accession Number, Title and Author is available, following the Anglo-American Format.

**(ix) Reservation Control**

OPAC displays the availability status of the books and provides reservation facility.

**Digital Library**

The Digital Library contains encyclopedias, dictionaries, competitive examination books and videos that support the syllabus and content beyond it. Digital content is available on 30 computers, including NPTEL Video Lectures, E-Journals, E-Books, Projects, PDF Notes and PPTs.

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

**4.2.2**

**Institution has access to the following:**

- 1. e-journals**
- 2. e-ShodhSindhu**
- 3. Shodhganga Membership**
- 4. e-books**
- 5. Databases**
- 6. Remote access to e-resources**

**Response:**

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Details of subscriptions like e-journals, e-books , e-ShodhSindhu, Shodhganga Membership etc	<a href="#">View Document</a>

#### 4.2.3

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

**Response:**

**4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
56.92	3.28	87.08	66.45	68.82

File Description	Document
Details of annual expenditure for purchase of and subscription to journals/e-journals during the last five years	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 4.2.4

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

**Response:**

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

Response: 1492



File Description	Document
Details of library usage by teachers and students	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 4.3 IT Infrastructure

### 4.3.1

*Institution has an IT policy covering wi-fi, cyber security, etc., and allocated budget for updating its IT facilities*

#### Response:

Standards of IT Service Management, Information Security, Network Security, Risk Management and Software Management are addressed in the **IT policy of the institution**.

**Computer Maintenance Department** (CMD) takes care of the process of planning, procurement, installation, configuration of IT equipment in the campus. On the basis of authority entrusted, it administers and decides the type and version of OS, IP addresses allocation, proxies and e-Mail management.

#### Budget Allocation for IT Infrastructure

#### Updation of IT facilities

Year wise IT facilities updated in the institution are as follows.

##### a. System updation

Number of Computers available for academic purpose are **1759**. Configuration details are given in the below link.

[https://hicet.ac.in/ssr/Criterion\\_IV/4-3-1/Add-info/4-3-1-1.pdf](https://hicet.ac.in/ssr/Criterion_IV/4-3-1/Add-info/4-3-1-1.pdf)

##### b. Firewall Updation

##### c. Internet Updation

#### Network details

Entire campus is connected using fiber optic cables and all the systems are connected to the network through Local Area Network (LAN).

**Internet details**

Leased Line Bandwidth of **512 Mbps** is made available in the campus.

**Wi-Fi details**

All the faculty rooms, classrooms, seminar halls, hostels and office are Wi-Fi enabled.

**Cyber Security**

As the first step towards cyber security, the institution is using only licensed software. Local Area Network (Wired and Wi-Fi network) is protected by Firewall with Intrusion Detection and Prevention system to block harmful traffic from and to the Internet and at the local intranet level. The access to the Wi-Fi network and Internet for all users are based on either user or device authentication. The users can login to the system or network using a central authentication mechanism. All the computers are installed with a licensed Antivirus system, which is regularly updated. Each computer is Administrator password protected. The user shall have only usage privileges and cannot install any software. The installation of the licensed software shall be carried out only by the technical staff of the CMD.

**Software**

The computers are installed with necessary software (Open Course, MS Office, AutoCAD, Solidworks etc..) as per the curricular requirement. In addition to this, the systems are installed with the required firewall.

***CMD is responsible for the software installation, trouble shooting, upgradation and maintenance of IT facilities.***

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

**4.3.2**

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

**Response:**

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

**4.3.3****Bandwidth of internet connection in the Institution.****Response:**

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

**4.3.4****Institution has the following Facilities for e-content development**

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

**Response:**

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

**4.4 Maintenance of Campus Infrastructure****4.4.1****Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years****Response:****4.4.1.1 Expenditure incurred on maintenance of 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
17.26	19.53	22.20	49.54	13.03

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details about assigned budget and expenditure on physical facilities and academic facilities	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

#### 4.4.2

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

#### **Response:**

**The institution has well established policies, procedures with monitoring system for the maintenance of all physical, academic and support facilities approved by the Head of the Institution.** The institution has technical and non-technical teams to look after the maintenance of the campus.

The Campus Manager takes care of the entire campus maintenance activities. Under him, there are supervisors for Civil, Electrical, Housekeeping, Transport, Security, Computers and general maintenance. The supervisor with skilled employees takes care of the campus maintenance. The institution has a policy for reviewing the maintenance activities of the facility twice in a year and the report is presented to the Principal. Further actions are taken based on the discussion with campus manager and his team. This helps to keep all the amenities in good working condition. Sufficient funds are allotted for the development of infrastructure, maintenance and equipment upgradation.

#### **General maintenance**

The Institution has Seven well-furnished blocks (M, N, T, F, L, I and E) containing **120 classrooms, 9 seminar halls, two auditoriums and one amphitheater** amidst sprawling lawns and trees. The Institution ensures the maintenance of the physical infrastructure through the general maintenance team. Before the commencement of the academic year, maintenance audit is conducted and a report on the requirement of new equipment, replacement of the old equipment and modernization of machines is prepared. Maintenance is planned and carried out to upkeep the facilities of the Institution. The Institution is friendly to the differently abled with ramps, lifts, special toilets, etc. The campus is plastic and litter free.

#### **Electrical maintenance**

The electrical maintenance section of the institution is headed by the **electrical supervisor** who ensures uninterrupted power supply and maintenance of electrical appliances. Before the commencement of every semester, review is conducted and a report on the requirement of maintenance and new installation are submitted to the Principal. On the approval, further maintenance is planned and implemented

accordingly.

### **Library maintenance**

Library maintenance is to ensure a welcoming and functional space for its users to access materials and services. Regular maintenance is carried out by the Library Committee to preserve the library's physical and digital resources. It involves keeping the library clean, organized, and in good condition by shelving books, repairing damages and updating software.

### **Computer maintenance**

The Institution has **26 Computer Labs** monitored by the CMD with a team of qualified lab technicians for maintenance and troubleshooting activities. They also take care of the LAN system, Wi-fi facilities in the campus. The computers in the laboratories are given uninterrupted power supply through UPS system. Systems audit is done at the beginning of every semester and a report on the requirement of new machines, replacement of worn out parts / out dated machines and upgrading of the machines is planned and executed.

### **Laboratory maintenance**

Apart from the computer centres, the general maintenance supervisor supports the laboratories of all the departments namely Automobile Engineering, Agricultural Engineering, Aeronautical Engineering, AI&ML, Biomedical Engineering, Civil Engineering, Chemical Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Instrumentation Engineering, Electronics and Communication Engineering, Food Technology, Information Technology, Mechanical Engineering, Mechatronics Engineering, MCA, MBA and Science & Humanities. The laboratories are maintained by the respective laboratory staff under the supervision of Heads of the Department. Before the commencement of the academic year, a lab audit is conducted and a report on the requirement of new equipment, replacement of the old equipment and modernization of machines/software is prepared. **Annual Maintenance** is functional in the campus which monitors the stock and functioning of the equipment and other instruments.

### **Sports facility maintenance**

The Institution provides a well furnished Sports infrastructure to the students for Kabadi, Hand Ball, Cricket, Basket Ball, Carrom, Table Tennis, Tennis, Badminton, KhoKho, Athletics Track, Chess, Throw Ball, etc. The Civil maintenance team helps the physical education department for the maintenance of their facilities.

### **Transport maintenance**

The transport supervisor and the transport in-charge take care of the transport vehicles, renewal of insurance, routine and scheduled maintenance of vehicles. The institution has a service centre catering to the requirements of the transport department.

### **Security department maintenance**

The security officer manages all the security personnel employed in the institution and maintains all the

records relevant to their functions.

### **Canteens and food court maintenance**

The Institution has canteens and food courts which serve hygienic food (South Indian and North Indian Foods) to the students and faculty members at affordable price.

### **Boys and Girls hostels maintenance**

The Boys hostel and Girls hostel are administered by separate warden, deputy wardens and the residential wardens who take care of the administrative and disciplinary issues related to their hostels under the direct supervision of the Principal, who is the chief warden for all the Hostels. However, the maintenance part is taken care of by the general maintenance department of the institution and the same is updated to the principal on a daily basis.

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

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1

**Average percentage of students benefited by scholarships and freeships provided by the Government during last five years**

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
2481	2729	2666	2917	3141

#### File Description

#### Document

upload self attested letter with the list of students sanctioned scholarships

[View Document](#)

Upload any additional information

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

[View Document](#)

#### 5.1.2

**Average percentage of students benefited by scholarships, freeships, etc. provided by the institution and non-government agencies during the last five years**

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
1544	1441	1306	216	253

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 5.1.3

**Following Capacity development and skills enhancement activities are organised for improving students capability**

- 1. Soft skills**
- 2. Language and communication skills**
- 3. Life skills (Yoga, physical fitness, health and hygiene)**
- 4. Awareness of trends in technology**

**Response:**

File Description	Document
Details of capability enhancement and development schemes	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>

### 5.1.4

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

**Response:**

**5.1.4.1 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
5185	4839	4729	3425	2343



<b>File Description</b>	<b>Document</b>
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 5.1.5

**The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases**

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

**Response:**

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

## 5.2 Student Progression

### 5.2.1

**Average percentage of placement of outgoing students during the last five years**

**Response:**

**5.2.1.1 Number of outgoing students placed year - wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
923	598	304	968	501

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Self attested list of students placed	<a href="#">View Document</a>
Details of student placement during the last five years	<a href="#">View Document</a>

**5.2.2**

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

**Response:**

**5.2.2.1 Number of outgoing student progressing to higher education.**

Response: 112

<b>File Description</b>	<b>Document</b>
Upload supporting data for student/alumni	<a href="#">View Document</a>
Details of student progression to higher education	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**5.2.3**

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

**Response:**

**5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
70	65	534	837	791

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

2021-22	2020-21	2019-20	2018-19	2017-18
75	69	536	840	792

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Number of students qualifying in state/ national/ international level examinations during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 5.3 Student Participation and Activities

#### 5.3.1

**Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.**

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
110	40	47	08	143

File Description	Document
Number of awards/medals for outstanding performance in sports/ cultural activities at inter-university / state / national / international level during the last five years	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 5.3.2

## **Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution**

### **Response:**

**The institution has a student council, which comprises up of representatives from each class in the UG and PG programmes.** The student council gives the students opportunities to improve their knowledge and leadership skills. In addition, **student council members are part of various committees to provide feedback on the curriculum, syllabus, evaluation methods and teaching methodology.** The institution believes in students' overall development by enhancing their skills, personality and attitude, all of which are necessary for employability and entrepreneurial ventures. This is accomplished by involving student members in various academic bodies, committees, sports, cultural etc.,

### **Objectives and Functions of Student Council**

- 1.To encourage students to participate in various events in order to develop their talents and skills.*
- 2.To motivate students to participate in activities that promote institutional development.*
- 3.To promote civic responsibility, leadership, and human relations.*
- 4.To facilitate the students to participate in various club and committee activities.*
- 5.To enable the students to share their grievances for remedial action.*

### **Student representation in Academic Bodies**

- 1.Board of Studies** - To provide feedback and inputs for curriculum and syllabi.
- 2.Department Advisory Committee** - To decide the course structure, detailed syllabus, value-added course, professional and open electives, mandatory courses offered by the department.
- 3.Class Committee** - To provide feedback regarding the teaching learning process, internal assessment, co-curricular and extra-curricular activities, student support services, mentoring , etc.

### **Student representation in Administrative Bodies**

- 1.Anti-Ragging Committee** - To keep order and execution of anti-ragging measures for ragging-free campus.
- 2.Prevention of Sexual Harassment / Internal Compliance Committee** - To take care of protection of the basic privileges of women.
- 3.Students Grievance Redressal Committee** - To express their suggestions for addressing student grievances and taking prompt action to maintain a conflict-free environment.
- 4.Sports Committee** - To support in organizing inter-institution tournaments, University and various sports meet in the campus.
- 5.Entrepreneurship Development Cell** - To develop entrepreneurship skills among students and to assist students in channelling their goals toward becoming a versatile entrepreneur.
- 6.Library Committee** - To give feedback and plan for improvement and enrichment of the library.

### **Student representation in Clubs / Cells**

- 1.Rotaract Club*
- 2.Fine Arts Club*
- 3.Women Empowerment Cell*

4. *Programming / IOT / Data Analytics / AI&ML Clubs*
5. *Tamil Mandram*
6. *Energy Club*
7. *Yoga Club*
8. *NSS / NCC*
9. *ELOC Club*
10. *Uyir Club, etc.*

and **Professional Forums** like *CSI, ISTE, IE(I), SAE, CII, CMA, IEEE, ICT Academy, etc.*

Students organise and celebrate **National** and **International Days** like **Independence Day, Republic Day, Teachers' Day, World Environment Day, World Earth Day, Women's Day, etc.** and take part in various social and outreach activities. Exposure to social environment is gained through participate in various committee and club activities.

*Participation in various committee/club activities help students to enhance their leadership, time-management and decision making skills. It also helps them to improve self-discipline and team spirit.*

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

### 5.3.3

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

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
77	35	25	15	21

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>
Number of sports and cultural events / competitions organised per year	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1

**The Alumni Association / Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.**

**Response:**

#### **About Alumni Association**

- **Hindusthan College of Engineering and Technology Alumni Association (HICETAA)** is registered under the **Tamil Nadu Registration of Societies Act 27 of 1975 with Registration no. 276 of 2016 dated 30th November 2016.**
- The Institution **believes in building and nurturing relationship with alumni** from different parts of the country. It acts as a bridge between alumni and current students. HiCET graduates are dynamic, holding various high-level positions around the world and demonstrating their skills in a various of fields such as Technology, Science and Management. **Presently, they are 16746 registered alumni members in India and other countries.**
- HICETAA supports and ensures a lifelong nexus with the institute. There are three national level alumni chapters actively functioning in Bangalore, Chennai and Cochin.

The Alumni association supports the institution in the following ways:

- Provides a vibrant forum that **promotes interaction and networking among alumni** of the institute and their alma mater.
- Promotes **best practices** in different areas of Science, Technology, and Humanities for the benefit of society.
- Assists the deserving students of the **weaker sections of the society financially and otherwise.**
- Creates and establishes **alumni endowments for granting scholarships and awards** to the students showing high proficiency in their academics, co-curricular and extra-curricular activities.
- Facilitates the **exchange of experience** and dissemination of knowledge amongst its members and for the furtherance of fellowship and advancement of scientific knowledge in general.

HiCET Alumni act as a **member in statutory and non-statutory bodies** like the **Board of Studies** and the **Internal Quality Assurance Cell (IQAC)**. Many alumni are involved in the **student development activities** of the institution.

#### **HICETAA Programs**

Through alumni programs students get an opportunity to interact with renowned alumni from reputed organizations across the globe. Alumni expertise on **Career Guidance, Higher Studies and Competitive Examinations** are tapped through such programs.

#### **Career Guidance**

HICETAA arranges such relationships between alumni and current students. The alumni network is one of the greatest sources of internship and placement opportunities for students.

### Alumni Scholarship

HICETAA awards alumni scholarships to economically downtrodden students based on their merits.

### Curriculum Development

Alumni are working in various corporates around the world in Cutting-Edge Technologies. Alumni give valuable suggestions for Curriculum Revision to meet the present and future industry demands.

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

### 5.4.2

Alumni financial contribution during the last five years (in INR).

Response:

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

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1

**The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution**

**Response:**

#### **Nature of Governance**

Hindusthan College of Engineering and Technology (HiCET) is committed to impart state-of-the-art engineering education with impeccable quality through effective teaching-learning process. **The Institute encourages participatory management by involving the stakeholders at all levels.**

HiCET is managed by **Hindusthan Educational and Charitable Trust, a non-profit organization** lead by Chairman, Managing Trustee, Trustee and Executive Trustee & Secretary.

**The governance of the institution is participatory, transformational, transparent, and decentralized.** The main focus of the institution is on the areas of academics, research, innovation, extension activities and infrastructure development which enable the students to unfold their innate capacities and experience world class education on par with global standards.

The administration is helmed by CEO, Principal, Dean and HoDs with effective participation of faculty members. The effective leadership is realized on the campus by the administrative and leadership skills of CEO and the Principal. The **CEO** has been selected and trained by MoE, GoI under **Leadership for Academicians Programme (LEAP)** at TISS, Mumbai and University of Pennsylvania. The **Principal** has completed **Senior Management program** at **IIM Kozhikode** and also has received the **Executive Alumnus status** from IIM Kozhikode.

The HiCET governance adheres to the vision and mission of the institution by striving for academic excellence and development of socially responsible individual leading the community.

The **Governing Body** (GB) is headed by Managing Trustee with Principal as its Member Secretary and takes decisions on budgeting, establishments and R&D. **Academic Council** (AC) is chaired by the Principal encompassing academic experts, industry experts, alumni and chairman of all **Board of Studies** (BoS). It meets twice in year to enrich regulations, curriculum and teaching-learning process. Students, Parents, Alumni and Employer are also members of bodies to provide valuable suggestions for achieving wholesome growth.

The **Curriculum Development Cell** (CDC) headed by Dean (Academics) takes initiatives in restructuring the curriculum periodically. CDC accomplishes the objectives of the institution in equipping the students with multi-disciplinary and multi-tasking skills. CDC identifies the needs of stakeholders and based on their feedback, the curriculum is updated. The institution is in the verge of implementing **NEP 2020**, providing more flexibility to the learning community.



**Internal Quality Assurance Cell (IQAC)** is responsible to ensure quality sustenance in all academic activities through systematic planning. **Student Quality Assurance Cell (SQAC), Finance Committee, Planning and Evaluation Committee, Academic Audit Committee** and **40 other committees and clubs** in the institution create a participatory ecosystem in order to support the vision and mission of the institution.

The governance of the institution emphasize on the provisions manifested through its Vision and Mission and reflected by implementing the following perspective plans.

- *NEP 2020 aligned Regulations focusing UN-SDGs*
- *Curriculum Enhancement with OBE*
- *Most effective Teaching-Learning methods*
- *ICT enabled Learning Management Systems (LMS)*
- *Students involvement in Outreach programs*
- *Establishment of Centres of Excellence / Competency Development Centres*
- *Inculcating Employability and Entrepreneurship skills*
- *Promoting Social Consciousness and preparing socially responsible future leaders*

### Outcomes of Effective Leadership and Governance

*Effective leadership and participative decision-making process is evident from the global reputation of HiCET.*

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

#### 6.1.2

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

#### Response:

Quality sustenance process in the institution is envisaged through the effective implementation of strategic plans with complete support from the management. **The strategic plan proposes various ideas which reflect institutional practices encouraging leadership development through decentralization and participative management to support the Vision and Mission of the institution.**

**Centres of Excellence / Industry-Partnered Centers** in various thrust areas with industry support is

one among the effective practices in the institution symbolizing decentralization and promoting participative culture. It is an entity providing opportunities for the learning community to enhance their skills, job opportunities or to become an entrepreneur.

### **Centres of Excellence (COE)**

#### **COE in Drone Technology (2022)**

- Established DGCA and IGRUA approved RPTO
- One among 31 in India
- 17 Drone Pilots were produced

#### **AICTE-IDEA Lab (2021)**

- Funded by AICTE
- Innovative ideas are transformed into products
- Students Training

#### **HONEYWELL COE for Youth Empowerment (2020)**

- 100 hours of activity-based and hands-on training
- Skill enhancement in advanced technologies as per industry standards.

#### **COE in Programmable Logic Controllers powered by SIEMENS (2018)**

- 300 Students were trained
- Encouraged to develop automation solutions for industries

#### **COE in Virtual Instrumentation by LabVIEW Academy School (2016)**

- 10 Teachers and 300+ students were trained
- Certified CLAD Engineers got selected in core sector

#### **COE in Embedded Systems and IoT by Intel (2015)**

- MoU Signed with Intel-FICE
- 63 Teachers and 160 students were trained in Embedded processors and various IoT modules

#### **COE in Robotics (2014)**

- Developed 3 in-house Robots
- Winners in national events

#### **COE in Electric Vehicles (2014)**

- Focuses on the design of Solar-Powered All-Terrain Vehicles (ATVs)
- 38 Awards were received in National events

## **Industry-Partnered Centers**

### **AWS Academy (2022)**

- Students trained in Cloud technologies
- 65 students were benefitted

### **NASSCOM (2021)**

- Trained in emerging technologies through NASSCOM Future Skills Prime
- 4000+ students were trained, acquired 11071 badges

### **TERV (2021)**

- AICTE approved NEAT partner
- Trained 757 students in Soft Skills and Coding

### **IBM Software Lab (2020)**

- First of its kind in Coimbatore region
- Offers IBM integrated courses
- 370 students were benefitted

### **Red Hat Academy (2019)**

- Teachers and students trained as Red Hat Certified System administrators

### **Examly (2018)**

- Online assessments are carried out for academic and placement activities.

### **Skill Rack (2018)**

- 300+ students were benefitted in Coding skills

### **ORACLE Academy (2017)**

- Trained 300 students
- Certified students have offered placements in MNCs

### **VMware IT Academy (2016)**

- Offers training in VMware tools
- 250 students were benefitted

### **ICT Academy (2014)**

- 54489 certifications through Learnathon

- Bagged academic partner excellence award in 2016 & 2022

**The decentralization and participatory management through Centers of Excellence/Industry-Partnered Centers in the institution has resulted in**

- *Involvement of Teachers and Students in Innovation and Skilling*
- *88 Industrial Collaborations*
- *Industry support for Consultancy projects*
- *799 Journal Publications*
- *388 Published Patent and 58 Granted Patent*
- *75% Placement*
- *Leadership Quality among Students*

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for strategic plan and deployment documents on the website	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1

**The institutional Strategic / Perspective plan is effectively deployed**

**Response:**

**Strategic planning is a continuous process with a specific focus on accomplishing institutional goals in this competitive world.** The institutional strategic planning mainly focuses on Academics, Research, Innovation, Placements, Entrepreneurship, Outreach Activities and Infrastructure Development.

**Strategic Planning is effectively formulated by collecting inputs from internal & external stakeholders and implementing the same through IQAC towards achieving holistic academic excellence.**

Among the several strategic plans implemented in the institution, **implementation of Entrepreneurship**

and Innovation set during 2017-2018 is given as an example.

### **Entrepreneurship and Innovation Development**

In 2017-2018, the institution has established **Entrepreneurship Development Cell (EDC)**. The main objective of starting EDC is to nurture entrepreneurial mind set among students through curriculum framework.

In the first year, students will be learning a one credit course namely **Entrepreneurship and Innovation**. The syllabus covers fundamental aspects of Entrepreneurship. In addition to this, students learn **Entrepreneurship and Development** in their higher semesters. The institution is associated with **Entrepreneurship Development Institute of India (EDII), Tamil Nadu**.

EDC regularly conducts various activities and about 5000+ students got benefitted in the last 5 years.

In 2017-2018, the institution established **Ministry of Small and Medium Scale Enterprises (MSME)** approved **incubation centre**.

In 2018-2019, **Hindusthan Innovative Product Development Centre (HIPDC)** was established for new entrepreneurs and young minds to transform their innovative ideas into viable business opportunities.

In 2020-2021, the institution obtained **MoE's IIC** to encourage new ideas, innovate and transform them into prototypes.

In 2021-2022, **AICTE-IDEA Lab** and Tamilnadu Government approved **IPR centre** were established.

### **OUTCOMES**

- *The students have ventured **6 start-ups***
- *The institution **ED-Cell** conducts various awareness and motivational programme for the students and encourages them to participate in various programs outside the institution*
- *138 students have become **entrepreneurs**.*
- *AICTE has granted Rs.1 Cr fund for the establishment of the **IDEA Lab** in the institution*
- *The institution has got **FOUR STAR** rating in IIC activities*
- *The students Mr. Mohitsabhareesh and Mr. Balamurugan, of Aeronautical Engineering received an award from Honorable Chief Minister of Tamilnadu for their innovative idea during **TECHKNOW 2022** event*
- *Students are consistently participating in **Toycathon, Hackathon, etc.***
- ***Aspiring Entrepreneurs Program** – a CSR activity of HDFC bank Parivartan implemented by ICT Academy is an initiative to nurture aspiring students towards starting and running a successful business enterprise on their own. Around 340 students of the institution registered for this programme in which 139 students completed self-learning module and 87 students successfully completed*
- ***446 Patent are Published, in which 58 are Granted***
- *MSME supported Business Incubation Centre has received **2 incubation projects with a funding of Rs.26.5 L***

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

### 6.2.2

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

#### Response:

**The institution has a well-defined organizational structure and governance that focuses on achieving the vision and mission of the institution.** The institution strives to provide quality education by involving all stakeholders through statutory bodies and non-statutory bodies.

The **Organogram** depicts the hierarchical structure of the administrative system and the place and rank of various positions.

**Governing Body** is the authority of planning and monitoring the functioning of the institution towards progression. It examines the institutional strategic plan, which specifies the financial, recruitment strategies as well as the institution's academic goals and objectives. Members of several committees formed by the institution include various stakeholders. At the right levels of the organizational structure, decisions are taken. Through independent flexibility for departments/committees and a participatory decision-making process, an optimal amount of decentralization is achieved.

**Academic Council** is the sole authority for approval of courses, syllabi and regulations. The Council approves the recommendations proposed by Board of Studies and offers suggestions on the context.

**Board of Studies** is responsible for framing the curriculum that helps to attain the graduate attributes. Reviewing and updating the syllabi at regular intervals and setting the examination patterns are the significant role of Board of Studies.

**Finance Committee** is responsible for all matters relating to the financial affairs of the institution encompassing the areas of strategic financial planning, resource management, financial monitoring and policy related issues and provide timely advice.

#### Academic and Administrative Setup

**The Principal is entrusted with the day-to-day administration of the institution.** The Dean, CoE, Heads of the Departments, IQAC coordinator and Administrative Department assist the Principal in discharging of duties smoothly and efficiently. The 34 non-statutory bodies also support the principal to take care of the overall planning and execution of the academic, non-academic, co-curricular and extra-

curricular activities.

**The institution practices delegation of the decision-making powers to various levels in the organizational hierarchy fostering decentralization.**

### **Policies and Procedures**

*A well-defined 34 quality policies on wide areas like Examination, Admission, Curriculum Development, Promotion of Research, E-Content, Gender Equity, E-Governance, Human Resource, etc. guides and lead academic processes to accomplish continual progress.*

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

### **6.2.3**

#### **Implementation of e-governance in areas of operation**

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

#### **Response:**

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

### **6.3 Faculty Empowerment Strategies**

### 6.3.1

**The institution has effective welfare measures for teaching and non-teaching staff and avenues for career development/ progression**

**Response:**

The Institution has a strong conviction that the physical and psychological well-being of all teaching and non-teaching staff contribute to the sustainable growth of the institution.

#### **AVENUES FOR CAREER DEVELOPMENT**

- **Faculty Development Programmes and Orientation Programmes** are organized to enhance the career progression of faculty members on regular basis
- **Training Programmes** are arranged to teaching, technical and non-teaching staff through various centres of excellence available in the campus to upgrade their technical excellence
- **Professional Development Programmes** are organized for non-teaching staff
- **Training** for administrative staff in office management, communication skills, documentation, etc.
- Encouraged to apply for **Research / Seminar / Conference Funding**
- Promoting **Industry-Institute Interaction**

#### **MONETARY BENEFITS**

- **Employee Provident Fund** for teaching and non-teaching staff
- **ESI Benefits** are catered for all non-teaching staff
- **Group Insurance** facility to teaching and non-teaching staff
- **Seed Money** for faculty to promote the research activities
- **Financial support** to attend conferences, workshops, filing patent, etc.
- **Financial support** for memberships in professional bodies
- **Incentives for PhD supervisors** to encourage research
- **Incentives** for research paper publications, patent, books authoring, consultancy, etc.
- **Salary advance** for the faculty / staff to meet out special constraint
- **Admission and tuition fees concession** for the wards of faculty and staff.
- **Medical Concession** at Hindusthan Hospital, Coimbatore
- **Sabbatical leave** for exchange, collaborative programs, research activities and teaching-learning practice
- **Paid leave** to avail fellowships funded by agencies
- **Awards and Recognition** on the eve of Teachers' day to enhance their performance
- **Festival Advance** for administrative and supporting staff
- **Diwali Bonus** for non-teaching staff

#### **WORK-LIFE BALANCE**

- **Casual leave** for teaching, non-teaching and staff members
- **Vacation leave** during summer and winter
- **On Duty** for attending Conferences, Seminars, FDP, STTP, NPTEL Examination, etc.



- **Special On Duty** for faculty improvements programs (FIP)
- **Special On Duty** for industrial training and consultancy work
- **Maternity leave** for women faculty with salary

## GENERAL WELFARE MEASURES

The institution has general welfare measures for the faculty and staff where financial support is not involved.

- **City Union Bank and Canara Bank ATMs** available in the campus
- **Yoga, Sports and Gymnasium** facilities have been created for the physical and emotional well-being of faculty and staff
- **Wi-Fi facility** is available in campus
- **Women Empowerment Cell** to empower skill-sets of women faculty and staff
- **Transport Facility** for teaching, non teaching and staff members
- **Noon meal and Refreshments** for non-teaching staff
- **Staff Quarters** for needy teaching and non-teaching staff
- **Career Promotion** based on Annual Performance Appraisal (APA)

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

### 6.3.2

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

**Response:**

**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
223	141	149	126	120

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

**6.3.3**

**Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.**

**Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
81	76	28	18	16

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	<a href="#">View Document</a>
Reports of Academic Staff College or similar centers	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**6.3.4**

**Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).**

**Response:**

**6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
256	222	221	41	72

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View Document</a>
IQAC report summary	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1

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

#### **Response:**

**The institution conducts regular internal and external financial audits.** The internal audit is conducted once in six months and the detailed report is submitted to the Finance Officer of the trust. The annual external audit is conducted with the support of external auditor and the detailed report is submitted along with income and expenditure statements.

Before commencement of every financial year, each department presents the budget to the Principal and these details are consolidated by the administrative office and forwarded to finance committee for perusal and approval.

#### **Internal Audit**

**The internal audit is done on regular basis.** Quality internal auditors from the trust carry out thorough bi-annual basis check and verification of all payments, receipts, journals, vouchers of the transactions, cash book, ledger account review that are carried out in each financial year on an accrual basis system. The accounts section frequently verifies the records which are statutory obligation such as Provident Fund, Tax deducted at source, Income Tax and Employee State Insurance Corporation, necessary deductions are carried out and all the accounts are compiled and submitted to the internal auditor for verification. **The internal auditing ensures all financial transactions are factual and could be reliable and at the same time it helps the statutory final audit to go smoothly.**

#### **External Audit**

**The external auditor appointed by the institution performs audit of the financial statements of the institution.** The financial records are audited by qualified chartered accountants at the end of each financial year and they certify the audited statements of income, expenditure and balance sheets. **The institution maintains separate books of accounts for all the units and activities which are subject to annual audit by the independent chartered accountants and financial statements are also certified by the auditor and the audit reports are issued every financial year.**

#### **Audits of Grants / Scholarship / Hostels**

- **Grants received** from various bodies like AICTE, UGC, DST, etc. are audited as per the government norms and utilization certificates are submitted for the grants received
- The boys hostel, girls hostel and office of COE are subject to both internal and external audit by the institution
- **Scholarship for the students** are accounted and audited
- The accounts of the institution is verified and audited every financial year and the audit report is maintained for the last five financial years
- Based on the audited financial statements, the institution files the **Return of Income** for every assessment year relevant to the respective financial year
- **The audited financial statements are submitted to the Governing Body for perusal and approval**

#### *Name of the external auditor of the institution*

**CA. Ravishankar**

*Rajan Sankar & Co. Chartered Accountants, No.1, Sarojini Street,*

*Ram Nagar, Coimbatore - 641009, Tamil Nadu*

*Mob. No.: 9443777312*

*Mail id : ravishankar@nrsc.co.in*

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

#### **6.4.2**

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

#### **Response:**

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

2021-22	2020-21	2019-20	2018-19	2017-18
4.3	16.01	13.0	8.8	3.30

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

### 6.4.3

#### Institutional strategies for mobilisation of funds and the optimal utilisation of resources

##### Response:

The **Resource Mobilization Policy** provides guidelines to diversify and expand the institution's resource base to achieve the strategic plans, goals and overall growth of the institution. The policy helps in identifying and analyzing the resources available for efficient budget allocation.

##### Procedures of the Institution

The **Finance & Accounts** department and **Finance Committee** prepares an annual budget estimate in consultation with all the departments and then prepares the master budget. It is submitted by the Principal to seek approval from the Governing Body.

##### The Governing Body

- *Formulates the strategic plan for the expenditure to be met*
- *Approves the budget proposal and overall requirement of expenses*
- *Priority for funds dispensation*

##### Resource Mobilization

A very effective and efficient mechanism is exercised for monitoring the mobilization of funds and in proper, effective and optimum utilization of funds from various sources. As the institution is a **self-financing institution**, the main source of funds is the tuition fees which includes fees collected from enrolled students and hostel fees collected from hostel inmates. In addition to the above, the other resources are;

- *The funds received from funding agencies such as CSIR, AICTE, UGC, DBT, DST, TNSCST, etc.*
- *Income from consultancy*
- *Income from interest received through various fixed deposits*

- *Scholarship for the students from the Government, the institution and individuals*
- *Alumni Contribution / Donations / Endowments towards development of the institution*

**Funds generated from the above are primarily used for the development and maintenance of the institution.**

### **Utilization**

To ensure proper and optimum utilization of the funds mobilized, the institution is keen in spending funds on a need based strategy.

- Staff salary
- Staff and student welfare expenses
- Procurement of lab equipment, computers, consumables, LCD projectors, Laptops, etc.
- Conduct of Seminars, FDPs, Workshops and Conferences
- Seed money to conduct research activities
- Scholarships under various category
- Maintenance of the building and infrastructure
- Awards for students and staff members
- Establishing a green and smart campus
- To introduce innovative teaching learning practices
- For the activities of clubs, professional societies, NSS and NCC
- Funds from the Government and non-Government agencies are optimally utilized for the research, training, seminars and workshops

*The funds mobilized are utilized according to the provisions of the institution and other funding agencies. After utilization, a certificate of utilization is obtained from a qualified auditor to be submitted to the funding organizations. The surplus generated from income over expenditure is transferred to the capital fund of the institution.*

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
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 visible in terms of – Incremental improvements made for the preceding five years with regard to quality (in case of first cycle)**

**Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives (second and subsequent cycles)**

**Response:**

The backbone of the institution is the quality improvement strategies that it adopts from time to time for the processes concerned with the effective functioning of the institution. **IQAC is a prime body to suggest, plan and execute the programs associated with quality strengthening approaches.** Hence it works in concurrence with various statutory and non-statutory bodies to enhance the teaching-learning, research, innovation, outreach and other processes.

**Student Quality Assurance Cell (SQAC)** helps in discharging the initiatives taken by the IQAC to provide holistic education. Students represent in various bodies like **Board of Studies, Student Council, Committees, Clubs and Associations.**

**Incremental Improvements of quality for the preceding five years**

- *The institution has **ISO 9001:2015** certification for quality maintenance*
- *Developed **benchmarks for maintaining quality in Curricular Aspects, Research, Innovations, Extension, Student Support, etc.***
- *Participating in various **ranking frameworks***
- ***Conducting FDPs***
- *Conducting of **Internal and External Academic Audits***
- *Coordinating with the **research committee** in exploring new areas of research, consultancy activities and providing seed money*
- *Facilitates the establishment of **Research Labs / Centres of Excellence / Competency Development Centres***
- *Contributes to the **Examination section** for effective assessment and evaluation process*

Two practices institutionalized as a result of IQAC initiatives are

**i) Establishment of Competency Development Centers**

**The IQAC has initiated the establishment of Competency Development Centers to improve the technical competency of the teachers and students.**

HiCET has established 22 Competency Development Centers (CDC) to enhance the skills and knowledge of its students. These centers offer students a wide range of activities, workshops, and training programs aimed at developing technical skills.

The CDCs at HiCET focus on emerging technologies and industries, such as artificial intelligence, internet of things, renewable energy and others. By providing hands-on training and exposure to the latest technologies and industries, HiCET's CDCs help students develop the skills, knowledge, and confidence necessary to succeed in the fast-paced and rapidly changing world of technology.

The following are the CDCs established year-wise in HiCET.

URL of CDCs : <https://hicet.ac.in/explore-more#competency-development-centres>

## ii) IPR and Patent

The IQAC has established the **Tamilnadu State Council for Science and Technology approved IPR center in 2021.**

HiCET has strong focus on innovation and intellectual property protection. The faculty and students at HiCET have been actively involved in the creation and development of unique and original works, as evidenced by their published and granted patent.

This is a testament to the institutions commitment for promoting research, innovation and the protection of intellectual property.

**The IPR center has conducted 12 events in the past 5 years and as the outcome,**

- **446 Patent are Published**
- **58 Patent are granted**

URL of IPR Cell : <https://hicet.ac.in/ipr-cell>

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

## 6.5.2

**The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities**

**( For first cycle - Incremental improvements made for the preceding five years with regard to quality**

**For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives )**

**Response:**

**IQAC suggests effective use of ICT resources in the institution.** Hence emphasis was laid on the utilization of ICT facilities to enhance the teaching-learning process. The institution, under its autonomy



status, has adopted the OBE in the UG and PG curriculum design where prime importance is paid to the assessment and attainment of the learning outcomes. Based on the COs drawn up, a teaching methodology evolving traditional methods, ICT tools, seminars, internships, projects and other activities are being carried out. It also works in synchronous with the CDC and the Controller of Examinations to evaluate the outcome of initiatives taken to ensure that the expected learning outcomes are obtained. **The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals.**

**Incremental improvements are made in various practices after the first cycle of accreditation.** The following TWO practices are given as examples under post accreditation quality initiatives of IQAC.

### 1. Value-Added Course (VAC)

VAC is designed to meet the requirements of any program, credits earned through it shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. **It is open to all students without additional fees.** Classes for VAC are conducted during the weekends/vacations. VAC is offered as an extra course with minimum of 30 hours duration for all the departments. It is conducted through theory and practical classes. However, the combination of theory and practical shall be decided by the course teacher with the approval of the Head of the Department.

The maintenance of the **Attendance and Assessment Record** for candidates who have registered for the course is the responsibility of course handling faculty. At the end of the course, the record shall be duly signed by the Course Coordinator, the Head of the Department, and the Dean of Academics and kept safe for any future verification. **Each student shall have a minimum of 75% of attendance which is mandatory for the VAC.** At the end of the course, the Final assessment is carried out by the course coordinator and evaluated. Students who passed the evaluation are **eligible for VAC certification.** All these activities are monitored by the Head of the Department and Dean of Academics.

*A total of 239 VACs were conducted during the last 5 years.*

URL of VACs : <https://hicet.ac.in/value-added-course>

### 2. Course Information Sheet (CIS)

The curriculum is designed in such a way that students are trained in the most recent technological developments, preparing them for employment in the industry. **Prior to the start of the course, a carefully facilitated CIS is prepared.** The major consideration in the CIS is that the weightage for each unit's contents is analyzed using various factors aiding in the betterment of the process. **Faculty members must obtain approval for their CIS before the commencement of classes.** Throughout the semester, faculty members adhere to the CIS for effective teaching-learning process .

*CIS consists of Course Objectives, Mode of Delivery, CO-PO Mapping, Course Outcomes and Evaluation Process to be achieved.*

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

### 6.5.3

**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)**
- 3.Participation in NIRF**
- 4.Any other quality audit recognized by state, national or international agencies (ISO Certification)**

**Response:**

File Description	Document
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste web link of Annual reports of Institution	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1

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

**Response:**

**Institution being co-educational, upholds gender equity through gender equity programs to make both the genders understand that mutual respect and equity is an important aspect.**

The exemplary values, goals and policies ensure sensitization in the provision of facilities and conduct of curricular, co-curricular and extra-curricular activities towards gender equity, safety and security within the campus.

#### **INCORPORATION AND SENSITIZATION OF GENDER EQUITY**

The institution's gender equity programs lead to empowerment, sustainable growth, and socio-economic reformation.

- **Equal Representations** in academic and administrative responsibilities by **women** in various portfolios including HoD's (**30%**), Teachers (**43%**) in Committees/Clubs.
- Institution is governed by the **Managing Trustee, a Best Women Edupreneur.**
- **Head of the Institution is also a dynamic woman.**
- Girl students are given equal responsibilities in classroom activities and to organize/participate in diverse events.

#### **Sensitization of Gender Equity**

- **Student Induction Programme** includes sessions to sensitize the students on gender equity
- **Gender Based Activities** are organized through Women Empowerment Cell
- **Course on Human Rights** serve as principal initiative of gender sensitization
- **Gender Sensitization activities** are conducted
- **Observation** of International Women's Day is followed annually
- **Yoga programs** promote **Mental Well-being** of both genders

#### **FACILITIES FOR WOMEN**

##### **1. Women Empowerment**

**Women Empowerment Cell** functions to

- Offer personalized **guidance and counselling** by **women faculty counselors** assuring confidentiality.
- Develop **self-esteem** and **self-reliance**
- Create **social awareness**

## 2. Safety and Security

The institution is keen in ensuring safety, security and equality of womenfolk in all academic spheres apart from classroom activities.

Discipline Committee members monitor students in all floors, playgrounds and in canteens to ensure perfect discipline in the campus. 148 CCTV cameras have been installed in the campus for monitoring.

- **Anti-Ragging and Women Harassment helpline** numbers are displayed in all the blocks and in the institution website to provide a secured environment in the campus.
- **Women staff escorts** are deputed to accompany girl students during field visits, study tours, etc.
- **Kavalan App**, promoted by **Tamil Nadu Police Department** is installed in all girl student's mobile device
- **Separate Girls hostel** headed by Women Warden with safe entry, exit and restricted entry of all vehicles and persons
- **Parking lots** are provided for girls **separately**
- Girls are assisted on applying for **exclusive fee concession**
- Girls are trained in **KARATE for self-defence**
- Exclusive and separate **Gym facilities** for both genders

## 3. Counselling

- Mentors /Class Tutor / HoD provide **Internal counselling**
- Women Counselors provide **External counselling** through Counselling cell ensuring complete confidentiality
- Career Development cell extends **Career counselling**

## 4. Common facilities

- **Common rooms** with sanitary napkin vending machine and incinerator facilities are available for girls
- **Medical / Sick rooms** with a 24x7 **ambulance** facility is available

File Description	Document
Annual gender sensitization action plan	<a href="#">View Document</a>
Specific facilities provided for women in terms of: a.Safety and security b.Counselling c.Common Rooms d. Day care center for young children e. Any other relevant information	<a href="#">View Document</a>

### 7.1.2

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

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

**Response:**

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

### 7.1.3

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

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

**Response:**

**The Institution has taken strong measures to keep the campus eco-friendly and to provide a clean environment.**

#### **Solid Waste Management**

Institution takes necessary measures towards collecting and disposing the solid waste inside the campus as effective waste management practice.

- To avoid perishable food waste from hostels and canteens, the institution has made an agreement with **M/s Velliangiri Piggery Farm, Coimbatore** to collect the waste and it is used as pig feed.
- Institution is committed to practice waste management policy and follows **Zero Food Waste Day** on every Thursday in boys and girls hostels.
- The paper waste are collected and supplied to **M/s Rajam Enterprises, Coimbatore** for recycling.
- **Used papers** from office and departments are reused for making rough drafts.
- Office automation, circulars through mail and **e-Campus** initiation has reduced the usage of papers.
- The office of COE process is **automated** to minimize the paper usage.
- **Green and blue colour coded dustbins** are provided in all the blocks to segregate biodegradable and non-biodegradable wastes to keep the campus and the surrounding environment clean and

tidy.

- The **sanitary pad incinerators** are installed in women's toilet to dispose the used napkins.

### **Liquid Waste Management**

'**Save water, and it will save you**'. Water conservation is the practice of using water efficiently to reduce unnecessary water usage.

- The liquid waste generated in the hostels is suitably collected, treated and reused for gardening
- The liquid waste produced in chemical laboratories is safely disposed
- There is a **biogas plant** that converts liquid waste to biogas, which is used in hostels

### **Bio-Medical Waste**

- No biomedical waste generated in the Campus

### **E-Waste Management**

The institution has taken actions to manage e-waste to protect environment.

- E-wastes are collected periodically from various locations in the campus after a notification
- The collected E-Waste is handed over to **M/s Green Era Recyclers, Coimbatore** for further processing and disposal

### **Water Conservation**

- Rain water is fully harvested inside the campus
- Sub-standard treated water is used for irrigation in the Institution
- Effluents are used to produce biogas energy

### **Hazardous Chemicals and Radioactive Waste**

- Usage of hazardous chemicals and radioactive materials are restricted in the campus

### **Awareness Programs/Practice**

- Awareness programs on waste management including pledge taking, rally, speech to public, placards, notices and banners distribution

It also creates awareness through **Swachh Bharat Mission** programs such as **Swachhta Pakhwada**, clean hospital campaign, **Puneet Sagar Abhiyan**, etc.

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

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

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

**Response:**

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

**7.1.5****Green campus initiatives include:**

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

**Response:**

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

**7.1.6**

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

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

**Response:**

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

**7.1.7**

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

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

**Response:**

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



## 7.1.8

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

**Response:**

The institution is always at the forefront to harbor an inclusive environment by bringing students and teachers with diverse backgrounds on a single platform. **The campus offers a welcoming environment and exhibits peace and tolerance in all facets of its activities.**

**Student Induction Program (SIP):** The 3-week **Student Induction Program (SIP)** is constituted to prepare **newly admitted undergraduate students** for the new stage in their life by facilitating a smooth transition from their home and school environment and covers a number of different aspects.

- **Socializing:** Meeting other new students and senior students
- **Associating:** Visit to Department /Branch/ Programme of study and important places on campus, local area, city and so on.
- **Governing:** Rules and regulations, student support, etc.
- **Experiencing:** Subject lectures, study skills, small-group activities, physical activity, creative and performing arts, literary activities, universal human values, etc.

**The core of SIP** is the **Universal Human Values** module, which is offered as an essential 2-credit course.

**A Regional Approach:** Admission of students from various states of the country reflects the quality of opportunity for diverse groups of learners that promote regional cooperation.

- Apart from various districts of Tamil Nadu, the institution has admitted **15% of students from other states** of India like Telangana, Andhra Pradesh, Jammu and Kashmir, Andaman and Nicobar, Kerala, West Bengal, Pondicherry and Karnataka thereby sharing their region-specific attributes by mingling with the others

**Linguistic Harmony:**

- **Foreign Language** learning (Japanese) is encouraged.
- **English Proficiency** is improved through the Business English Certificate (BEC) offered by Cambridge English Qualifications.
- Clubs like **ELOC Club, Tamil Mandram and Special Talents Club** enhance the Linguistic abilities of students.

**Promotion of Cultural Diversity:**

- Multi-cultural festivals like **Pongal, Christmas, Deepavali, Ramzan, Onam, Holi**, etc. are being organized for the students
- Cultural Events like **HINSPIRE** (Inter-Department), **HILARICAS** (Inter-Collegiate), **KALAASH** (Kerala Feast ) are celebrated

- NSS and NCC instil **Leadership qualities, Nationalistic spirit, Patriotism and Basic Cultural Values** in Students
- **Teachers' Day, Youth Day, Farmers Day, Women's Day, Unity Day, Yoga Day and Handloom Day** are celebrated commodiously

#### **Institutional Social Responsibilities:**

- Creates awareness on responsibility for societal development among students and faculty through a number of programs
- **Training / awareness programs** are conducted for underprivileged school children, Orphanages, Old Age Homes
- Awareness and Training **Camps** on Health and Hygiene

*Thus the Institution fosters a sense of community and equality among the students, who find it to be a welcoming place where no bias is exhibited towards any student and are enabled to excel in all walks of life and become Good Citizens.*

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

#### **7.1.9**

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

#### **Response:**

The institute asserts offering a holistic approach to education and sensitizing students and employees to the **Constitutional Obligation, Values, Rights, Duties and Responsibilities** of the citizens.

#### **Academic Courses**

- The Institution has introduced courses to emphasize constitutional obligations such as **Indian Constitution, Essence of Indian Traditional Knowledge, Indian Constitution and Political System, NCC General and National Integration, Fundamentals of Yoga and Human Values** which are offered to Engineering students under Regulations 2019.
- Courses namely **Rural Innovation project, Social Immersion Project, Indian Ethos and Values** are offered to MBA students thereby bringing awareness on constitutional values, rights duties and responsibilities among everyone.
- A course on **Environment Studies** in the first year gives students an insight into environmental

acts and global environmental concerns

### **Women Empowerment Cell**

- Organizes various academic, technical, medical, cultural, and social events **for the upliftment of women** with an aim to **create a gender-sensitized community** within the campus as well as in society.

**Consumer Club** - Creates knowledge about Consumer Protection.

**Rotaract Club** - Conducts civic, social, and cultural activities for the welfare of both society and the environment.

**Fine Arts Club** - Organizes programs to promote arts and culture to improve creativity and expression of thoughts.

### **Activities Organized**

**Awareness Programs:** Ujjwala Yojana, Sukanya Samridhi Yojana, Chief Minister's Girl Child protection scheme Indhira Gandhi national protection scheme, Indira Gandhi national alternative disability pension scheme, Covid, expert talk, right to vote, etc.

**Rally/Pledge:** Disseminates detailed awareness about the ill effects of Drugs, Anti-corruption, Swachh Bharat Abhiyan, Say No to Plastics, etc.

**Celebration of National days of significance:** Republic Day, National Youth Day, Dr.A.P.J.Abdul Kalams' Memorial Day, Independence Day, Sardar Vallabhbhai Patel Birthday, Indian Constitution day, National Flag Day to sensitize students towards patriotism and enhance the spirit of Unity.

### **Social Responsibilities:**

- **NSS** : The volunteers conduct various activities, such as orphanage visits, awareness programs, and health camps. In addition, the NSS holds annual camps in a rural location, where students assist the residents in the development of their village.
- **NCC** : The members of the NCC are instilled with a sense of discipline and patriotism through the organization's activities, which include drills, parades, weapons training and lectures. NCC camps are held annually in remote locales to augment the students' training.
- Blood donation camps, Temple cleaning, Village adoption programs are conducted under **Unnat Bharat Abhiyan**, and Outreach Activities.

**Alumni** are invited to provide a motivational talk and these lectures have instilled in the students a sense of positivity and duty to give back to society in their later years.

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

### 7.1.10

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

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

**Response:**

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

### 7.1.11

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

**Response:**

The Institution observes/celebrates **National and International festivals, events and commemorative days**. National celebrations are an important part of instilling **national pride, patriotism, appreciating cultural diversity, spreading unity, peace, love, happiness and remembering the outstanding national leaders** .

#### **National Days**

**Voters Day** is celebrated on January 25th wherein the students are given awareness on their duties and rights as a loyal citizen.

**Republic Day:** Every year on January 26th the institution observes Republic Day to mark the adoption of the Indian Constitution and to promote the idea that India is the greatest democratic nation in the world.

**International Women's Day** is celebrated annually on March 8th as a focal point in women's rights movement, bringing attention to issues such as gender equality, reproductive rights, violence and abuse against women.

**Jal Shakti Abhiyan** is celebrated every year on March 22nd to raise awareness among students "catch the rain, where it falls, when it falls".

**World Environmental Day** is celebrated on June 5th every year to raise awareness about environment issues, climate changes, etc. and create a more sustainable world. Various programs like tree saplings planting, cleaning, etc. are organized.

**International Yoga Day** is celebrated on June 21st every year to make everyone aware of how Yoga embodies unity of mind and body; restraint and fulfilment.

**Independence Day** is celebrated every year on August 15th parades and flag raising ceremonies are planned to commemorate India's independence from British dominion.

**Teachers' Day:** Dr. Radhakrishnan's birthday on September 5th is celebrated as Teachers Day. Teachers of the institution are honored on this day.

**Engineer's Day** is observed every year on September 15th to pay tribute to Visvesvaraya and also to commemorate the contributions of the engineers to the nation.

**Gandhi Jayanti** is celebrated every year on October 2nd to understand the philosophy of the great leader Mahatma Gandhi, and students and faculty participate by taking a pledge.

**Non-Violence Day** is observed on October 2nd, the birthday of Mahatma Gandhi, father of the Nation and pioneer of the philosophy and strategy of non-violence.

**Swachh Bharat Abhiyaan** is celebrated every year on October 2nd which is observed in an effort to realize Mahatma Gandhi's dream of a clean India.

**Unity Day** is celebrated on October 31st every year to commemorate the birth anniversary of Sardar Vallabhbhai Patel.

**Constitution Day** is celebrated in the country on November 26th every year to commemorate the adoption of the Constitution of India.

**Human Rights Day** is celebrated on December 10th every year to commemorate the Universal Declaration of Human Rights.

**Multi Cultural Festival**

Pongal, Onam (Kalaash), Annual day (Hinspire) are being celebrated every year in a grand manner.

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

## 7.2 Best Practices

### 7.2.1

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

**Response:**

#### **BEST PRACTICE - I : Digital Learning**

##### **1. Title of the Best Practice**

**Digital Learning**

##### **2. Objectives of the Practice**

- HiCET provides the students the **latest trends in Digital Learning** to meet the updated global needs and through this, the students are largely benefitted.
- The core objective is to **bring students under digital era** and for this purpose the institution creates opportunities, awareness and motivates them towards self-learning practices.
- The institution also **facilitates online platforms** and equips the students to face challenges and to grab opportunities in the future with confidence.

##### **3. The Context**

The conventional education system is insufficient for the students to suit to the industrial requirements and match with their expectations. Hence, there is an urgent need for students to update their knowledge and upgrade their acumen for competency development. The world is moving towards technology beyond boundaries and knowledge sharing has become a way of life in the past few years. In this context, the institution has considered digital learning as one of the best practices in order to facilitate the students

to show interest for acquiring knowledge through self-learning practice via online courses through **ICT Academy, NASSCOM, SWAYAM, Coursera, edX, AWS, Infosys Springboard, TCSion, IBM, Wipro, FDPs/STTPs, CTS, Nalaya Thiran, Nann Mudhalvan, NITTTR, UHV, VM Ware, Honeywell, DXC, AICTE LITE and AICTE KARMA.**

#### 4. The Practice

The concept of digital learning through **Online Courses began in the year 2018** in the institution. It is being implemented through the following practices.

- Facilitated Students and faculty members to take up **NPTEL courses**
- Received 5000 licenses from **COURSERA** to undergo free online courses
- Encouraged students to take up **ICT Academy Learnathon** courses
- Obtained 1000 licenses from **eDX** to learn free online courses
- For **Project Based Learning courses**, student teams with a maximum of 4 in each team were formed to complete projects using agile approaches under the guidance of faculty and industry mentors. The outstanding teams were identified and recognized
- Opportunity to learn through training is organized
- Online AICTE sponsored **FDPs and workshops** have been effectively utilized

#### 5. Evidence of Success

Digital Learning has educated and enriched the learners on the new trends that are implemented in the technical world. **HiCET has effectively used this and the evidence of success in digital learning is as follows.**

HiCET has secured

- 54489 certificates in '**Learnathon**' conducted by ICT Academy
- **Academic Partner Excellence Award** from ICT Academy, 2016 and 2022
- **Certificate of Excellence** from 'MathWorks' in 2021 for obtaining the maximum number of certifications on Image Processing Onramp using MATLAB
- **16 Gold medals, 85 Silver medals, 238 Elite** certificates and 668 certifications in NPTEL/ SWAYAM
- '**The Best Project Award**' in the Intel-FICE Idea Innovation Camp in 2017 held at Bangalore
- **ARIIA Ranking: Band – Performer** in 2022
- **National Employability Award** from AMCAT, 2016 & 2020
- **Partner Excellence Award** by VMware IT Academy, 2017
- 10675 courses certifications in **Coursera** from 3855 enrolments
- 1689 certificates from **edX** (904 students and 35 faculty members)
- 11071 courses certification from **NASSCOM** have been completed
- **51 certifications from NITTTR and 44 certifications from AICTE Karma Scheme**

HiCET has made a mark in learning through training with

- 424 participations in **Nalaya Thiran**
- 150 participations in **Naan Mudhalvan**
- 38 students in **IBM Hack Challenge**

- 300 participations in **Infosys Springboard**, 108 in **Wipro**, 49 in **AWS** and 200 in **TCSion**.
- **105 student beneficiaries in Honeywell**
- **99 student beneficiaries in DXC**
- **250 student beneficiaries in VMware**
- **6885 student beneficiaries in Examly**
- **687 student beneficiaries in Terv**
- **19 student beneficiaries in CTS (Digital Nurture 2.0)**
- **538 student beneficiaries in IBM Integrated courses**
- **965 of the faculty members attended online FDPs and 32 have completed online UHV courses.**

**For the past 5 years, a total of 81,662 online certificates in the areas of new-era technology, skill development and real-time domain specific knowledge are obtained by the Students and Teachers.**

## **6. Problems Encountered and Resources Required**

- **Psychological inconveniences** while swapping from conventional method of learning to digital learning.
- Impact of **socio-economic conditions** of the students will have a bearing impact on the implementation of Digital Learning practice.
- The challenges faced by the faculty members in changing the **perception of students** towards Digital Learning.
- Issues connected with **financial commitment** of the management in providing the resources required for Digital Learning.

**In spite of the problems and issues cited above, the institution is making best effort towards the effective implementation of Digital Learning to facilitate self-learning by the students.**

## **7. Notes**

*Digital Learning provides the use of new teaching pedagogy which is an essential part of **self-learning** in the educational system. To enhance Digital Learning the Institution has framed the '**Fast-Track System**' with credit transfer from MOOC.*

## **BEST PRACTICE - II : Scholarships for Empowerment**

### **1. Title of the Best Practice**

**Scholarships for Empowerment**

### **2. Objectives of the Practice**

Hindusthan College of Engineering and Technology has grown to greater heights in the field of higher education over the last two decades. The success can be attributed to the commitment not only to produce skilled graduates but also to help students who are in need of financial assistance with the motto of the institution as **Education, Ethics and Excellence**. This trend is evident from the functioning of the institution in every aspect. **The students of HiCET are extended with the financial support by the institution management, Government and NGOs. This support is extended with the main idea of**



providing world class education to all and thereby empowering the students to face the future confidently.

### 3. The Context

With a view to **extending a helping hand to the students from the weaker section of the society**, the institution made education affordable to all. It also helps those who hail from economically poor backgrounds to become graduates and post graduates. To quote an example, the children from orphanages like AGARAM, YAVARUMKELEER, CORA, MATRAM are given 100% free education. **The institution encourages and motivates the students to secure high grades in their achievement and make them eligible to avail the institution scholarships.** The college also helps to enhance the learning ability of the students so that they can concentrate on their studies without worrying about financial matters.

**The institution offers financial assistance to class toppers and meritorious students.**

In addition to the institution scholarships, all the eligible students of the **economically weaker section and OBC/SC/ST category** are encouraged and assisted to receive scholarships from the Government.

### 4. The Practice

#### **Institutional Scholarships:**

- Students under **Sports category**
- Students with **80% cutoff based on Class 12 marks**
- **Class Toppers**
- **Achievers in Talent Tests**
- **Girl Students**
- **Students joining from sister institutions** for their higher studies
- **Wards of Employees**

#### **Government Scholarships:**

- **AICTE Pragati Scholarship Scheme for Girl Students**
- **Prime Minister's Scholarship** schemes
- State Government **BC/MBC/SC/ST** Scholarships
- State Government **First Graduate** Scholarships
- State Government **Tamil Medium** students from **Government Schools**

#### **Non-Governmental Organizations Scholarships:**

Scholarships from **NGOs** like Agaram Foundation, Shanthi Social Services, Sitaram Jindal Foundation, Moovar Nattukottai Cettiyar Association, Tamilnadu Police Centenary Association, Unorganized Workers Welfare Board, etc. are arranged.

### 5. Evidence of Success

**Academic Year 2021-2022**

Number of beneficiary under Institution's Schemes : 1542  
Scholarship amount : Rs 1,14,60,500/-

Number of beneficiary under Government Schemes : 2481  
Scholarship amount : Rs 4,95,51,320/-

Number of beneficiary under Non-Government Schemes : 2  
Scholarship amount : Rs 1,60,000/-

### **Academic Year 2020-2021**

Number of beneficiary under Institution's Schemes : 1438  
Scholarship amount : Rs 2,17,36,403/-

Number of beneficiary under Government Schemes : 2729  
Scholarship amount : Rs 1,99,31,525/-

Number of beneficiary under Non-Government Schemes : 3  
Scholarship amount : Rs 1,73,800/-

### **Academic Year 2019-2020**

Number of beneficiary under Institution's Schemes : 1285  
Scholarship amount : Rs 2,48,14,564/-

Number of beneficiary under Government Schemes : 2666  
Scholarship amount : Rs 3,05,32,160/-

Number of beneficiary under Non-Government Schemes : 21  
Scholarship amount : Rs 5,83,200/-

### **Academic Year 2018-2019**

Number of beneficiary under Institution's Schemes : 194  
Scholarship amount : Rs 61,73,100/-

Number of beneficiary under Government Schemes : 2917  
Scholarship amount : Rs 3,02,95,475/-

Number of beneficiary under Non-Government Schemes : 22  
Scholarship amount : Rs 5,28,800/-

### **Academic Year 2017-2018**

Number of beneficiary under Institution's Schemes : 233  
Scholarship amount : Rs 64,40,700/-

Number of beneficiary under Government Schemes : 3141

Scholarship amount : Rs 3,48,87,150/-

Number of beneficiary under Non-Government Schemes : 20

Scholarship amount : Rs 5,00,000/-

**The last 5 years, a sum of Rs 23,77,68,697 (Rupees Twenty-Three Crores Seventy- Seven Lakhs Sixty-Eight Thousand Six Hundred and Ninety-Seven only) were provided to 18,694 students for their higher education support.**

## 6. Problems Encountered and Resources Required

- 1.Scholarships have specific eligibility criteria such as academic performance and economic status. Some students face difficulties to meet the requirements.
- 2.Scholarships are often highly competitive, and there may be many applicants for a limited number of awards.
- 3.Missing a scholarship deadline can disqualify a student from consideration, so it is important to keep track of the deadlines and submit all required documents on time.

The following resources are required to overcome the issues:

1. Time and effort to research and apply for scholarships.
2. Access to the internet and information about scholarships and their requirements.
3. Help from guidance counsellors, teachers or family members in understanding the application process and preparing the required documents.
4. Financial resources to cover application fee or other costs associated with the scholarship process.

## 7. Notes

**Scholarships for students can have a significant impact on their education and future success.** Some of the benefits of scholarships include increased access to education, improved graduation rates, better career opportunities, increased social mobility and improved mental health for students.

*Overall, scholarships can have a transformative impact on students' lives, helping them achieve their full potential and make a positive impact on their communities and the world.*

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

### **Progressive Growth with Industry and Professional Society Partnerships**

HiCET persistently aims at achieving excellence and growth by focusing on the development of professional skills and knowledge in latest technologies. The success of developing skilled graduates can be ascribed not only by the regular academics but also in association with industrial and professional society partnerships. This type of partnership helps for up-skilling the students with recent technologies to the advent of globalization.

The collaborated industries and professional societies assist and join in organizing seminar, webinar, workshop, expert lecture, internships, industrial training, projects, consultancy, establishment of skill-labs, competency development centres, online learning, certifications, etc.

**For the past five years, the institution was able to collaborate with 120 industries/professional societies with a considerable increase in competency development activities.**

### **CENTRES OF EXCELLENCE / COMPETENCY DEVELOPMENT CENTRES / INDUSTRY-PARTNERED CENTRES**

#### **CENTRES OF EXCELLENCE**

The objective of a Centre of Excellence in HiCET is to provide students with an advanced education, hands-on training and research opportunities in a specific area and to prepare them for careers in that field. Eight such Centres of Excellence are established in HiCET with the support of Industry-Partners are functioning effectively. They are,

1. Centre of Excellence in **Virtual Instrumentation by LabVIEW Academy School**
2. **AICTE-IDEA Lab**
3. Centre of Excellence in **Drone Technology supported by Planet-X Aerospace**
4. Centre of Excellence in **Robotics**
5. Centre of Excellence in **Embedded Systems and IoT by Intel**
6. Centre of Excellence in **Electric Vehicles**
7. Centre of Excellence in **Programmable Logic Controllers (PLC) powered by SIEMENS**
8. **HONEYWELL** Centre of Excellence for **Youth Empowerment**

**URL of Centers of Excellence : <https://hicet.ac.in/explore-more#centres-of-Excellence>**

#### **COMPETENCY DEVELOPMENT CENTRES / SCHEMES**

Competency Development Centres in HiCET with industry support are established with a focus on

developing the skills and knowledge of students in specific fields. These centres provide students with access to resources and tools that can help them develop the competencies they need to be successful. This includes mentoring from industry experts, coaching and guidance, and opportunities for networking and professional development.

The following Competency Development Centres are established and their activities (in URL) are listed below.

1. **Volvo Eicher** Competency Development Centre
2. **Royal Enfield** Competency Development Centre
3. **Ford India** Training Centre
4. **DGCA Remote Pilot Training** Organization (RPTO)
5. MSME supported **Incubation Centre** / Hindusthan Innovative Product Development Centre
6. MoE's **Institution's Innovation Council** (IIC)
7. Centre for Skill Development in Association with **Rubber, Chemical, Petrochemical Skill Development Council** (RCPSDC)
8. **AICTE Skilled and Personality Development Centre** (SPDC)
9. **AICTE PRERANA** Scheme
10. **AICTE LITE** Scheme
11. **AICTE KARMA** Scheme
12. **AICTE KAPILA** Scheme
13. **AICTE SPICES** Scheme
14. Cobot **Advanced Manufacturing Centre**
15. FoSTaC – Centre for **Food Safety Training and Certification**
16. Centre for **Women Empowerment** by **DXC Technology**
17. Centre for **Skill Development** by **Hero Tessolve Semiconductor**
18. **Entrepreneurship Development Cell**
19. Centre for **Thermal Cutting powered by Messer Cutting Systems**
20. **NITTTR Chandigarh Nodal Centre** for Training and Skill Development
21. **ISRO IIRS** centre
22. MoE's **Virtual Labs**

**URL of Competency Development Centres : <https://hicet.ac.in/explore-more#competency-development-centres>**

## **INDUSTRY-PARTNERED CENTRES**

The goal of an industry-partnered centre is to provide students with a comprehensive education in their chosen field, as well as the practical skills and real-world experience they need to succeed in their careers. HiCET has established the following Industry-Partnered Centres in addition to Centres of Excellence and Competency Development Centres. The list with details (in URL) are given below:

1. **IBM Software Lab**
2. **Red Hat Academy**
3. **ORACLE Academy**
4. **VMware IT Academy**
5. **AWS Academy**

6. **ICT Academy**
7. **NASSCOM**
8. **TERV**
9. **Examly**
10. **Skill Rack**

**URL of Industry-Partnered centres : <https://hicet.ac.in/explore-more#industry-partnered-centres>**

## **PROFESSIONAL SOCIETY PARTNERSHIPS AND ACTIVITIES**

HiCET has collaborated with the following Professional Societies to provide students with opportunities to connect with professionals in their field, learn about the latest developments and trends, and gain valuable experience and exposure. **It supports webinars, internships, projects, joint conferences, workshops, symposiums, industrial trainings, guest lectures and also professional development activities.**

**URL of Professional Societies : <https://hicet.ac.in/explore-more#professional-society>**

## **OUTCOMES OF INDUSTRY AND PROFESSIONAL SOCIETY PARTNERSHIPS**

As a result of Industry-Integration and Professional Societies activities, the competency of the students and faculty members have improved gradually in the last 5 years, which are **evidenced by way of their employability, publications, campus students' strength, recognitions, etc.**

### **1. Progressive Growth**

### **2. Notable Awards / Recognitions**

- **Most Preferred Engineering Institute** - 12th ASSOCHAM National Education Summit
- **Outstanding Engineering Institute for Promoting Industry Academia Interface** - 17th World Education Summit
- **Dr K Siva – SAE-ISS Leadership Award**
- **Dr M Mohanraj - Stanford University in Top 2% Scientists** - Energy Engineering category
- **Dr R Poornima - Women Researcher Award**
- **Dr K Sekar - Best Emerging Technology Performer Award & Award of Excellence in Research**
- **Dr I Jasmine Selvakumari Jeya - Inspiring Innovative Faculty Award**
- **Dr VT Gopinathan - IE(I) R&D project**
- **Ms R Sakthi Shree - IE(I) Student Award**
- **Mr S Sri Balaji - IE(I) Student Award**
- **Mr K Muhammed Safvan & Team - Champion in IITB-AICTE Mapathon 2022**
- **National Winner in Learnathon** - ICT Academy

- **Certificate of Excellence from MathWorks**
- **Academic Partner Excellence Award** from **ICT Academy**
- **Best Project Award** in the **Intel-FICE Idea Innovation Camp**
- **MoE's IIC - 4 STAR Rating**
- **ARIIA Ranking: Band-Performer**
- **Best Accredited Student Branch – CSI**
- **Longest Continuous SBC - CSI**
- **National Employability Award - AMCAT**
- **Partner Excellence Award - VMware**
- **Business Incubation Centre - 2 Incubation Projects** with 26.5 Lakhs
- **38 Awards – SAE**
- **16 Gold, 85 Silver and 238 Elite** in NPTEL
- **Winner - Hardware Edition SIH 2019**
- **First Prize - TECHTRYDAN 2019**
- **Best Team Award - Flipkart GRiD 3.0 & 4.0**
- **First Runner Up in Innovations in Manufacturing Practices, Jadavpur University, 2022**

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 :

#### Institution Category

The institution is a Self-financing Autonomous College, affiliated to Anna University, Chennai. The institution is recognized by UGC and AICTE. FIVE programmes are accredited with NBA. Also, the institution is ISO 9001:2015 certified.

#### Credentials

- **DSIR-SIRO** recognition in 2021 as Research-based Institution
- Four Departments are recognized as **Research Centres by Anna University**
- MoE's IIC has achieved **4 STAR RATING** in the Country, 2022
- ARIIA Ranking: **Band – Performer** in 2022
- **National Winner** in Learnathon 2021 & 2022 from ICT Academy
- **Certificate of Excellence** from MathWorks in 2021
- Spotted as the Nodal Centre for Smart India **Hackathon & Toycathon**
- **Academic Partner Excellence Award** from ICT Academy, 2016 & 2022
- Bagged with **16 Golds, 85 Silvers and 238 Elite** Certificates in NPTEL
- **Best Accredited Student branch** from Computer Society of India, 2017-2019
- Ranked **116th in The Week** and **166th in India Today** Ranking, 2022
- Outlook Magazine ranked in the **band 101-125 among Private Engineering Institutions in India**, 2022
- Business Today Magazine ranked **182th position among Best B-Schools** in India
- Received the **Outstanding Engineering Institute Award** for promoting industry academic interface by World Education Summit
- **Recognized as IPR Nodal Centre by Tamil Nadu State Council for Science and Technology (TNSCST)** by Government of Tamilnadu
- Approved by **DGCA for Drone Training Centre – Second of its kind in Tamilnadu**
- Bagged **National Employability Award** from AMCAT, 2016, 2022 & 2023.
- **Partner Excellence Award** by VMware IT Academy, 2017
- **Best Project Award** in the Intel-FICE Idea Innovation Camp during 2017
- **38 awards including overall winner** championship were achieved in SAE - Efficycle, BAJA, Supra, Hybrid Vehicle Challenges and Solar Vehicle Competitions
- **81662 online certificates** were awarded to the Faculty Members and Students of the institution
- **388 Patent** are published and **58 Patent** are granted
- Published **799 Papers in Journals**
- Received a grant of **Rs 1 Crore from AICTE for establishing IDEA Lab**
- Recognized by **AICTE for SPICES** scheme
- Received recognition under **AICTE KARMA** scheme
- Actively participated **AICTE KAPILA** scheme



## Concluding Remarks :

Hindusthan College of Engineering and Technology renders invaluable service to the society for the past two decades by imparting quality education. Academic excellence, enrichment of skills and developing a wholesome personality are the hallmarks of the college. **NEP 2020 aligned Curriculum, Choice Based Credit System, Outcome Based Education, ICT based Teaching and Learning, Industry-driven Centers of Excellence / Competency Development Centers / Industry-Partnered Centers, Professional Societies, Club activities and exemplary Examination System were instrumental in raising the standard of its curriculum to the level of International Standards.**

The institution is unique among the Engineering colleges in foreseeing the skills needed for the students to succeed in future. **The curriculum and the practices of the college focus on developing cognitive flexibility, critical thinking, decision making and emotional intelligence.**

The institution prepares the students through value education, enriched training and research to become intellectually inspired and morally upright individuals who boldly face the global challenges. The institution empowers students as agents of social change who work towards establishing an inclusive society. The activities that connect the society and the campus help them to realize their obligation to the society. Students of the institution leave a positive impact on the society by alleviating the social issues.

The institution used the privilege of its autonomous status to develop into a model college in the region offering exemplary curriculum, industry integrated courses, and **NEP 2020 & UN-SDGs** aligned minor/honours programmes to develop globally competent graduates.

Keeping in line with the vision of the institution, the magnanimous management, the able administrators and the competent and motivated faculty members aspire to transform the autonomous institution into a **Deemed to be University / Private University** to make significant contributions in the field of higher education.

**The NAAC accreditation will give vivid directions and renewed vigor for the future endeavors of the institution.**

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.2	<p><b>Percentage of Programmes where syllabus revision was carried out during the last five years.</b></p> <p>1.1.2.1. <b>Number of all Programmes offered by the institution during the last five years.</b>            Answer before DVV Verification : 22</p> <p>1.1.2.2. <b>How many Programmes were revised out of total number of Programmes offered during the last five years</b>            Answer before DVV Verification : 22            Answer after DVV Verification: 20</p>																				
1.1.3	<p><b>Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years</b></p> <p>1.1.3.1. <b>Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years..</b>            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>962</td> <td>970</td> <td>937</td> <td>612</td> <td>446</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>962</td> <td>967</td> <td>933</td> <td>612</td> <td>446</td> </tr> </tbody> </table> <p>Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	962	970	937	612	446	2021-22	2020-21	2019-20	2018-19	2017-18	962	967	933	612	446
2021-22	2020-21	2019-20	2018-19	2017-18																	
962	970	937	612	446																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
962	967	933	612	446																	
1.2.1	<p><b>Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.</b></p> <p>1.2.1.1. How many new courses are introduced within the last five years            Answer before DVV Verification : 1937            Answer after DVV Verification: 1937</p> <p>1.2.1.2. <b>Number of courses offered by the institution across all programmes during the last five years.</b>            Answer before DVV Verification : 4988            Answer after DVV Verification: 4702</p> <p>Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.</p>																				
1.3.2	<p><b>Number of value-added courses for imparting transferable and life skills offered during last five years.</b></p>																				

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
58	57	44	39	41

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
38	46	35	29	40

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

**1.3.4 Percentage of students undertaking field projects/ internships / student projects (Data for the latest completed academic year)****1.3.4.1. Number of students undertaking field projects / internships / student projects**

Answer before DVV Verification : 4585

Answer after DVV Verification: 4549

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

**2.1.1 Average Enrolment percentage (Average of last five years)****2.1.1.1. Number of students admitted year-wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
1660	1432	1310	1315	1307

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
1431	1326	1195	1227	890

**2.1.1.2. Number of sanctioned seats year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
1431	1623	1710	1650	1470

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
1836	1623	1710	1650	1470

Remark : As per the data and supporting documents received from HEI, based on that DVV input is recommended.

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

**2.4.3.1. Total experience of full-time teachers**

Answer before DVV Verification : 4677.66

Answer after DVV Verification: 4633.76

Remark : As per data template, excluding the experience of PED and Librarian DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
8	15	10	13	8

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
15	12	6	15	8

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

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

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

Answer before DVV Verification : 1294

Answer after DVV Verification: 1274

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

Answer before DVV Verification : 1328

**3.1.3 Percentage of teachers awarded national / international fellowship for advanced studies/research during the last five years**

**3.1.3.1. The number of teachers awarded national / international fellowship for advanced studies / research year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
136	126	101	92	2

Answer After DVV Verification :

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

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
102.53	10.93	44.46	126.15	7.70

Answer After DVV Verification :

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

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

### 3.2.2 Percentage of teachers having research projects during the last five years

#### 3.2.2.1. Number of teachers having research projects during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
26	12	30	14	4

Answer After DVV Verification :

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

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

### 3.2.4 Average percentage of departments having Research projects funded by government and non-government agencies during the last five years

#### 3.2.4.1. Number of departments having Research projects funded by government and non-government agencies during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
15	6	6	4	3

Answer After DVV Verification :

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

#### 3.2.4.2. Number of departments offering academic programmes

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
22	21	20	19	16

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
17	17	16	15	12

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

### 3.4.2 Number of Ph.D's registered per teacher (as per the data given w.r.t recognized Ph.D guides/supervisors provided at 3.2.3 metric) during the last five years

#### 3.4.2.1. How many Ph.Ds are registered within last 5 years

Answer before DVV Verification : 493

Answer after DVV Verification: 73

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

Answer before DVV Verification : 24

Answer after DVV Verification: 24

Remark : AS per the supporting documents provide by HEI, based on that DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
350	161	132	89	67

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
211	160	93	91	48

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

#### 3.4.4 Number of books and chapters in edited volumes / books published per teacher during the last five years

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
174	125	121	57	98

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
121	139	70	68	45

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
47.72	11.89	22.68	8.40	4.72

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
47.72	8.20	19.36	2.23	4.47

Remark : As per the revised data and clarification received from HEI, based on that DVV input is

recommended.

**3.6.2 Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government recognised bodies during last five years**

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
117	51	37	23	50

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
10	10	15	21	20

Remark : As per clarification received from HEI, DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
112	65	37	36	36

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
110	65	37	36	36

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
6702	4934	3308	3109	3070



Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
5310	4895	4732	4889	5002

Remark : AS the total no. of students participated should not be more than total no. of students enrolled in metrics 2.1 so based on that DVV input is recommended.

3.7.2 **Number of functional MoUs with institutions of national, international importance, other institutions, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)**

3.7.2.1. **Number of functional MoUs with institutions of national, international importance, other Institutions, industries, corporate houses etc. year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
109	63	36	19	11

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
46	31	17	8	5

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

4.1.3 **Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)**

4.1.3.1. **Number of classrooms and seminar halls with ICT facilities**

Answer before DVV Verification : 129

Answer after DVV Verification: 101

Remark : Excluding movable LCD projector, DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
31.59	33.21	48.11	86.18	46.74

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
17.26	19.53	22.20	49.54	13.03

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
7364	5357	5655	3505	2391

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
5185	4839	4729	3425	2343

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

**5.2.1 Average percentage of placement of outgoing students during the last five years**

**5.2.1.1. Number of outgoing students placed year - wise during the last five years.**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
931	845	765	690	773

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
923	598	304	968	501

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

**5.2.2 Percentage of student progression to higher education (previous graduating batch).**

**5.2.2.1. Number of outgoing student progressing to higher education.**

Answer before DVV Verification : 121

Answer after DVV Verification: 112

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

**5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)**

**5.2.3.1. Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
72	66	534	837	791

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
70	65	534	837	791

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
75	69	536	840	792

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
75	69	536	840	792

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

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

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

Answer before DVV Verification:

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

116	45	64	47	169
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Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
110	40	47	08	143

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
101	57	28	23	25

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
77	35	25	15	21

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

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

#### 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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
227	144	155	128	121

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
223	141	149	126	120

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

**6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.**

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
77	69	34	18	16

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
81	76	28	18	16

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

**6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).**

**6.3.4.1. Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
307	247	287	41	79

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
256	222	221	41	72

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

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

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

Answer before DVV Verification : A. Any 4 or all of the above  
 Answer After DVV Verification: C. 2 of the above  
 Remark : As per the supporting documents, DVV input is recommended.

7.1.7	<p><b>The Institution has disabled-friendly, barrier free environment</b></p> <ol style="list-style-type: none"> <li>1. <b>Built environment with ramps/lifts for easy access to classrooms.</b></li> <li>2. <b>Divyangjan friendly washrooms</b></li> <li>3. <b>Signage including tactile path, lights, display boards and signposts</b></li> <li>4. <b>Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment</b></li> <li>5. <b>Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading</b></li> </ol> <p>Answer before DVV Verification : A. Any 4 or all of the above          Answer After DVV Verification: B. 3 of the above          Remark : As per the supporting documents, DVV input is recommended.</p>
7.1.10	<p><b>The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.</b></p> <ol style="list-style-type: none"> <li>1. <b>The Code of Conduct is displayed on the website</b></li> <li>2. <b>There is a committee to monitor adherence to the Code of Conduct</b></li> <li>3. <b>Institution organizes professional ethics programmes for students, teachers, administrators and other staff</b></li> <li>4. <b>Annual awareness programmes on Code of Conduct are organized</b></li> </ol> <p>Answer before DVV Verification : A. All of the above          Answer After DVV Verification: B. 3 of the above          Remark : As per the supporting documents, DVV input is recommended.</p>

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.2	<p><b>Number of outgoing / final year students year-wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="197 1630 986 1742"> <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>1337</td> <td>1217</td> <td>1248</td> <td>1285</td> <td>1365</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1" data-bbox="197 1823 986 1935"> <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>1337</td> <td>1217</td> <td>1248</td> <td>1286</td> <td>1394</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	1337	1217	1248	1285	1365	2021-22	2020-21	2019-20	2018-19	2017-18	1337	1217	1248	1286	1394
2021-22	2020-21	2019-20	2018-19	2017-18																	
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2021-22	2020-21	2019-20	2018-19	2017-18																	
1337	1217	1248	1286	1394																	
1.3	<p><b>Number of students appeared in the examination conducted by the Institution, year-wise during the last five years</b></p>																				

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
5291	4880	4711	4803	4971

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
5291	4880	4711	4735	4978

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
1482	1194	1082	750	480

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
1262	1163	1056	744	477

2.2 **Number of full time teachers year-wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
399	398	312	298	333

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
373	320	264	252	241

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
399	406	297	285	327

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
399	406	332	320	333