



# **SELF STUDY REPORT**

**FOR**

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

## **INDIRA GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**NELLIKUZHI PO, KOTHAMANGALAM, ERNAKULAM DISTRICT, KERALA,**

**INDIA - 686691**

**686691**

**[www.iiet.org.in](http://www.iiet.org.in)**

**SSR SUBMITTED DATE: 22-04-2024**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**April 2024**

# 1. EXECUTIVE SUMMARY

---

## 1.1 INTRODUCTION

Indira Gandhi Institute of Engineering and Technology was established by Indira Gandhi Memorial Trust, Kothamangalam, Ernakulam District, Kerala in the year 2009. Indira Gandhi Memorial Trust (Regd.) was founded by the Chairman **Haji K.M. Pareeth**, in order to provide quality professional education at an affordable cost to deserving students irrespective of their caste, creed or religion. Indira Gandhi Institute of Engineering and Technology visualizes the motto of our Chairman that is delivering world-class education in India. The Trust, which is comprised of eminent academics, social activists, and businessmen, is dedicated to developing a new generation of employable individuals with universal principles who can positively impact society and enhance the nation.

The trust established various Institutions of excellence at Kerala and Indira Gandhi Institute of Engineering and Technology is one among them. The Trust has been making important contributions to the educational profession. It began with the foundation of an Arts and Science college and has since grown to include a Dental College, Engineering College, Paramedical College, Pharmacy College, and Polytechnics. These knowledge centers serve students from a variety of backgrounds and interests.

Indira Gandhi Institute of Engineering and Technology (IJET), a notable member of the Indira Gandhi Group of Institutions, is a prestigious technical institution located in the tranquil town of Kothamangalam, Ernakulam District, Kerala. IJET has been continually recognized for its quality in engineering education since its foundation in 2009. The All India Council for Technical Education (AICTE)-approved IJET, which is affiliated with A.P.J. Abdul Kalam Technological University (KTU) and the State Board of Technical Education (SBTE), Government of Kerala, offers a diverse range of programs, UG courses in Artificial Intelligence and Machine Learning, Civil Engineering, Computer science and Engineering, Electrical and Electronics Engineering & Electronics and Communication Engineering along with PG courses, all geared towards cultivating practical skills, global awareness and social responsibility among students.

At IJET, We recognise that the quality of education that we provide is the key to success. Our academic programs are carefully crafted to provide students with a solid understanding of engineering fundamentals and their practical application. Our acclaimed professors, known for their experience and passion to teaching, accompany students on their educational path, establishing a learning and growth atmosphere.

Aside from academic performance, IJET values extracurricular activities that encourage holistic development. Students are encouraged to take part in a variety of activities that foster leadership, teamwork, and communication skills. These extracurricular activities not only develop their personality but also prepare them for the demands of the working world.

### Vision

“To become an institute of great repute in the field of Engineering and Technology by offering a global standard in education and transform the students into skilled personalities, capable of contributing to society through innovation and creativity.”

## Mission

- By providing students the requisite training in soft skills, life skills, technical, value-added programs.
- Enabling students to be Innovative and creative nurturing their thinking skills and producing opportunities to convert them through unit process.
- Motivating students to become lifelong learners by following ethical practices and professional code of conduct.

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

### Institutional Strength

- The presence of a helpful learning environment with a nice ambiance, an environmentally friendly campus, well-maintained infrastructure and a disciplined student body.
- IIET's Vision, Mission, PEOs, and POs are framed in accordance with KTU and NBA requirements.
- Dynamic leadership and a youthful and dynamic workforce promote quality in all aspects of technical education.
- Students, teachers, and parents all get along well with one another.
- Teachers' systematic student mentoring and the predominance of a welcoming environment
- A qualified, seasoned, and committed teaching staff with a high retention rate.
- Effective use of IEDC in the teaching and learning process.
- A highly adaptable, transparent, effective and learner-centered assessment and evaluation system that includes self-evaluation and performance appraisal that is feedback-focused.
- Student-centered operations with effective academic monitoring, mentoring, and teacher-assisted counseling.
- Organizing numerous extracurricular, co-curricular, and extension activities.
- The importance of gender equality and consideration. Environment that is safe and secure for female pupils
- Facilities with cutting-edge machinery and contemporary software tools
- Libraries with numerous free online e-resources at their disposal.
- Academic partnerships with diverse companies to close the skills gap between educational institutions and the workforce and improve employability.
- NSS units performed superbly.

### Institutional Weakness

- A decline in industry-institute collaboration, and a Modest Placement Ratio
- Due to the fact that most students come from rural areas, they have low communication skills and a limited command of the English language.
- Fewer students are pursuing higher education
- The majority of alumni work overseas, leading to less interactions with the institution.
- A shortage of internship programs and connections.
- The Institution is a component of the University, which limits the academic freedom of the College

- On campus, there is no staff housing for families.
- Students' lack of interest in industrial-focused activities

### **Institutional Opportunity**

- Opportunities to attract research funding from a wide range of firms, including government agencies. Aid from Kerala the Start-up Mission encourages student start-up activities.
- Good infrastructure and competence to launch new programmes at the undergraduate and graduate levels, as well as interdisciplinary programmes.
- To promote self-employment in the area by constructing a finishing school for vocational education.
- Increase research activity through sponsored R&D projects and collaboration with premier institutes and industries for advanced research and academic exchange through MOUs.
- Collaboration with other prominent institutions through online programmes is a possibility. Scheduled internships and courses to provide practical training.
- Healthy competition among independently affluent institutions helps to improve the institution's overall performance.
- Strong management support, as well as dedicated teachers and staff, have helped us establish our institution at various levels.
- Internships and workshops have been scheduled to provide hands-on experience.
- Innovative approaches to improving the performance of underperforming students.
- Enhancement of academic and administrative system operational efficiency through enrichment programmes from high management officials
- A centre for entrepreneurship development to meet the needs of entrepreneurs
- Raise awareness among students and professors concerning e-content development programmes such as NPTEL, SWAYAM, COURSERA and others.

### **Institutional Challenge**

- Due to societal constraints and other familial factors, there is little interest in employability within the student community.
- A shift in approach tactics and processes is required to improve student outcomes.
- Improving students' communication and employability abilities has become a big challenge in today's workplace demands.
- Obtaining research grants and claiming patents to drive faculty towards long-term, intentional, and socially relevant research.
- Maintaining high standards among engineering colleges and reaching new heights.
- Recruiting and retaining top-tier faculty.
- Students' academic orientation is negatively influenced by the latest version of mobile phones, media, and peer-group influence.
- To promote coherence among all institute stakeholders for the institute's overall development.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

Indira Gandhi Institute of Engineering And Technology (IIET), Nellikuzhi, Kerala an AICTE approved college affiliated to APJ Abdul Kalam Technological University Thiruvananthapuram, Kerala, has come into existence on May 21, 2015. During the five assessment years for NAAC accreditation, the college is affiliated with APJ Abdul Kalam Technological University. Prior to 2014 the college had been affiliated to Mahatma Gandhi University since its inception in 2009.

Based on the academic calendar of the university, our college develops an institutional calendar, which includes arts day, sports meet, college day, departmental activities, workshops, seminars, festivals, and vacations. The college has a clear sequenced plan for curriculum delivery that ensures consistent teaching, learning, and assessment procedure

Under the supervision of the HOD in each department, based on the timetable, course files are prepared by each faculty for every subject including laboratory. The course file contains the course plan, portion coverage, teaching methods like chalk and talk or PowerPoint presentation, attendance, previous year's question papers, tutorial details, remedial class details, and class note materials for each module. The course files include the details of the students.

Two internal exams are conducted during each semester. For these, result analysis and attainment are prepared for each subject and kept in the course file. Besides these, two assignments are also given to students for each semester.

Additionally, 40 Add-on Courses have been conducted for the different streams of students over the last five academic years. 73.8% of students have enrolled in the above Add-on programs during the last five academic years. The total number of students undertaking projects and internships is 265 and hence percentage comes to 97%.

The curriculum prescribed by APJ Abdul Kalam Technological University has included nearly 14 courses into the curriculum related to professional ethics, gender, human values, environment and sustainability. The institution also organizes several programs related to gender equality, human values, and professional ethics. To mention a few, International Women's Day is being organized regularly with many programs like expert lectures empowering women. Programs on anti-ragging, drug abuse, cyber crimes, antitobacco, World Water Day and blood donation camps have also been organized during the five assessment years.

The institution has a very effective feedback system in which feedback related to academics is collected from students and faculty. From all the internal and external stakeholders feedback is also collected about the ambience of the institution. All feedbacks are analyzed and suggested actions for improvement in quality.

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

The teaching learning and evaluation process at Indira Gandhi institute of engineering and technology (IIET) make sure that students are taught the professional traits and outcomes required for their full fledge growth. Students are admitted to IIET in accordance with AICTE APJKTU and Kerala Government regulations .An orientation program is conducted for first year students and prepares them to enhance their academic and non-academic talents. In synchronization with the KTU calendar, a semester plan is prepared and communicated to students, faculty members and to the administrative department. The total number of students admitted during the last five years is 383 out of the total sanctioned strength of 1110. The reservation policy followed by the institution is as per the Government of Kerala reservation policy. The total reservation percentage is 40%

including SC, ST, OBC. The percentage of students admitted against reserved categories is 39.47%.

During the last five years a team of highly dedicated qualified and experienced faculty members are appointed in the ratio of 1:16 prescribed by AICTE and KTU. A total of 32% of faculty members are PhD qualified and 10% are pursuing their doctoral programme and the average teaching experience of the faculty members is around 7 years. The academic module for various programs is tailored to give a holistic learning experience to the students. Innovative teaching-learning strategies are employed that encourage students to participate and contribute to the learning experience of their peers. The faculty members ensure that the students are given the proper exposure through the curricular, co-curricular and extra-curricular activities and by following student's centric learning methods to make learning a pleasurable one.

Faculty members are encouraged to organize and participate in various refresher programs to enhance their knowledge and skills, to prepare them for the role of motivator and guides both within and outside the classroom, to help students achieve their post-education goals. Teachers make use of online resources for effective teaching and learning processes along with the conventional 'chalk and duster' method as both are complimentary to each other and having their own strengths and weaknesses. College has adequate number of Smart Classrooms and also facility for creating online learning resources.

The examination evaluation process is transparent and the grievance related to both the internal and external assessment are time bound and efficient. Students are also assessed regularly through assignments, internal examinations, seminars etc. As a result of the efforts taken by the faculty members the students have performed considerably well in the university examinations.

The learning outcomes like the CO and PO attainments are calculated based on direct and indirect tools. The students are also exposed to the CO, PO and PSOs by way of publishing and disseminating in various forums which helps to provide outcome based education successfully. Question Papers are set as per Bloom's Taxonomy and due consideration is given for Course Outcomes. Result analysis is made based on attainment of Course outcome and Program outcome.

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

Indira Gandhi College of Engineering and Technology has been inculcating the culture of research right from the inspection by organizing various programs on research methodology both for the students and faculty. In lieu of improving the research ambience PG programs were started as early as 2015.

In furtherance to the pursuit the institution has established the Research and Development cell, the incubation cell etc for the benefit of promoting research. Two patents have been published during the year 2022. Socially relevant projects have been sponsored by Indira Gandhi memorial trust. The total of 18 lakhs have been sanctioned through various non-governmental agencies, industries and corporate. Additionally, Innovation and Entrepreneurship development centre has also been created to organize workshops and seminars in the areas of IPR and entrepreneurship. The total of 40 programs have been organized in the areas of research methodology, Intellectual Property rights and entrepreneurship including seminar on prototyping and grants in Kerala, workshop on entrepreneurship skill, attitude and behaviour development and workshop on Intellectual Property Rights during the last five academic year.

All faculty members are motivated and incentivised for publishing their research findings in national and international journals and total no of 197 have been published by our faculty members during last 5 assessment

years. An active NSS unit conducts various activities in the neighbourhood communities. The extension activities have been inculcating a sense of social responsibility and humanitarian values amongst the students by connecting them to the neighbouring community. Some of the activities are free health check-up camp and visit to peace valley foundations.

The institution has been rewarded with 10 awards for extension activities from different government and government recognised bodies. Most of the students are benefited and sensitized to social issues which intern contributes largely to their holistic development. The total of 33 programs including programs related to vegetable sapling, blood donation camp, E-waste drives, AIDS awareness program, free eye-screening camp and orphanage visit have been conducted during last five assessment years.

The college has also entered to MOU with nearly 20 organizations

### **Infrastructure and Learning Resources**

Indira Gandhi Institution Of Engineering and Technology established in 2009 is located at Kothamangalam, nearly 53 kms. from Cochin International Airport Limited. The campus is spread over 10 acres, 1 cents of land with a built up area of 12528.62 Sq.m. The college comprises of 6 smart classrooms, 22 ICT enabled classrooms, 21 laboratories, 1 workshops, 3 seminar halls, 1 mini auditorium and an open auditorium with a capacity of 350 seating. The campus also houses indoor game facilities and outdoor playgrounds for games like cricket, football and badminton. It also has a gymnasium hall which is well equipped. College provides hostel facilities for both boys and girls. During every academic year, the college has received a zero deficiency report in respect of infrastructure by KTU and AICTE.

The central library of the institution housed in an area of 4322.27 Sq.ft. is automated using Ocsca and has a collection of nearly 16830 books, 876 reference books, 40 journals, 10 periodicals and 211 CD-Roms. The central library includes a digital library with 12 computers for the use by faculty and students. Reprographic facilities are also made available in the library.

The IT infrastructure at IIET comprises of 312 desktop computers including core i3 and i5 processors, 2/4/8 GB RAM and 500/1 TB SSD hard disks speed and 200 Mbps internet connectivity is provided for use in the campus. IIET has a dedicated google workspace subscription, providing all staff members and students with personalized e-mail IDs within the college domain. IIETs LAN and Wi-Fi networks are managed through reliable and secure 24 GB switches from reputed brands such as HP, Cisco and Dlink. The network is protected by Sophos XG 101 firewall, ensuring a safe and secure computing environment.

### **Student Support and Progression**

A total number of 803 students have benefitted by scholarships and free ships provided by the Government like MCM and SC/ST scholarships and the scholarships and free ships provided by Indira Gandhi Memorial Trust during the last five assessment years. Capacity building and skill enhancement initiatives are being undertaken for the students by providing skill development programs like seminar on negotiation skills, seminar on creativity enhancing, a webinar on self-confidence and leadership development, seminar on personality development etc. Language and communication skill training programs are given to students like GD practice, mock interviews and personal grooming. Life skill training on physical fitness, health and hygiene, yoga training etc. are also provided to students. The ICT skills training is given to students on Python workshop,

workshop on AutoCad for CAD drawing, software testing, Java programming, product development using Arduino etc. Based on the guidance provided for competitive examinations like GATE, CAT, JAM, TOEFEL and career counseling 58% of our students have benefitted in terms of placements, higher studies etc. during last five academic years. Guidelines of statutory / regulatory bodies is implemented and followed meticulously. A transparent mechanism for the timely redressal of the student grievances is implemented through appropriate committees like grievance redressal committee, internal complaint committee, SC/ST committee and anti-ragging committee. Provision for online submission of grievances is provided in the college website. Offline submissions of grievances are also accepted. A total of 189 students have been placed in reputed companies like ABC constructions, Able and Capable advertising company, and Axis Global automation etc. during the last five academic years. In addition to the academic activities, students are encouraged to participate in co-curricular and extracurricular activities. Our students have won nearly 45 awards in sports and cultural activities during the last five years. A registered alumni association functions in the name and style of 'BIGGIES IIET'. The college hosts annual alumni meetings regularly which comprise of a formal session followed by entertainment programs and food. The alumni contribute to the welfare of the students by technical talks, GD practice sessions and placement assistance. Some alumni have helped their junior students to get placed in different companies like Global India Techno Hub, Bitzwall IT Solutions etc. Continuous relationship with the alumni is maintained through social media groups.

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

Our Management is highly committed and dedicated to the service of catering to the contemporary requirements of higher education. The Management gives sufficient freedom to the Principal to fulfill the vision and mission of the college. The top Management, Principal and faculty of the college is committed to plan, implement, document and continually improve effectiveness through a Quality Management System. The managing trustee holds the Executive Committee Meeting with the Principal and the Dean to review the academic administration, research and development and any other agenda planned for the growth of the institution. The Governing Council besides being the supreme administrative authority of the college shall have the following functions; monitor the academic and other related activities of the college, to consider the recommendations of the Staff Selection Committee, policy decisions received from the University, Government, AICTE, etc.

IIET functions on a bottom to top approach, on the administrative set up guided by the clear cut policies, rules and regulation developed for efficient deployment of the strategic and perspective plan of the institution. The institution believes that the faculty members are like the pillars of the institution liasoning efficiently between various stake holders of institutional education system.

The institution has very effective welfare measures catering to the needs of the faculty members in the form of leaves, financial support, facilities and ambience for the smooth and efficient conduct of teaching – learning process which leads to effective outcome of the students. Some of the faculty development measures are Faculty members are encouraged to participate in different Faculty Development programs conducted in different institutions on duty leave for pursuing PhD, leave benefits etc. The institution has a strategic performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staffs

As a part of welfare measures 60.55% of faculty members have been benefitted by gaining financial support to attend workshop and conference during last 5 years.



The Faculty members have also been encouraged to participate to faculty development programs and professional development programs for which 61.27% of the faculty members have benefited during last 5 years.

There is effective management system which plans the budget efficiently and optimally utilize the funds that are received through tuition fees and other fees collections. It also ensure regular internal and external audits.

The IQAC of IJET was established in the year 2017. The internal quality assurance cell of IJET gives advice and guidelines to the administration to maintain high quality work in academics and administration. The cell monitors the quality aspects of all the academic and non-academic activities of the institution. The cell works on various accreditation aspects. IQAC aims to contribute to the development of a learning- centered institution that is responsive to the needs of its stakeholders and that meets or exceeds national and international standards of quality in higher education.

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

IJET promotes gender equity and ensures equal rights for both gents & ladies. We have a women empowerment cell, which focuses on empowering women socially, economically, politically and legally with a focus on promoting decision making. IJET ensures that all students, faculty, staff and the community are treated fairly and equally. The institution focuses on transparency, accountability, and making sure everyone's voice is heard. On behalf of this motive IJET conducted many programs such as “Teachers’ day celebration”, “Breast cancer awareness program”, “Women empowerment program”, “World environmental day celebration” etc. The goal of these initiatives is to create a supportive, inclusive and gender equity community.

IJET implemented infrastructures like ramp for individuals with mobility challenges, adequate rest room facilities, awareness boards, solar panels for energy conservation, rain water sewage for water conservation and a successful E-waste collection drive.

IJET has been certified as a green campus by Heartian Green Audit team of Sacred Heart College. The college focused mainly on the things like energy consumption, water usage and an eco-friendly environment, thus creating a greener and more sustainable campus for everyone.

The institution values inclusivity and diversity, which subsequently made a positive impact beyond the campus. It creates a friendly and inclusive environment for students and faculty from different backgrounds, including marginalized communities. Programs such as Onam celebration, Christmas celebration, Kerala Piravi, Iftar meet, Arts day etc are being conducted in the campus. It makes sure there is interaction with the broader community which contributes to social development.

The institution follows the best practices in governance and academic activities. IJET has introduced initiatives like “Earn while they learn” as a gesture to give an opportunity to the college going students to become self-dependent and “Indira Gandhi smiles” to maintain oral health for all students and faculty members compulsorily.

Unlike other colleges, IJET provides training program for teachers to equip them with new teaching approaches and to show insights into different learning and teaching styles. It helps to improve professional as well as personal developments.

To sum it up, IIET make sure that the institution treats everyone - students, faculty, staff, and the community - fairly and impartially. IIET tries to create an eco-system where everyone feels valued and heard. The institution well promotes its values, follows good governance and administration practices, excels academically, embraces inclusivity and diversity, and contributes to social development. By meeting these, institution shows its commitment to creating a well-rounded learning environment that prepares students to be responsible global citizens and thereby creating a positive impact in shaping future leaders.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	INDIRA GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	NELLIKUZHI PO, KOTHAMANGALAM, ERNAKULAM DISTRICT, KERALA, INDIA - 686691
City	Ernakulam
State	Kerala
Pin	686691
Website	<a href="http://www.iiet.org.in">www.iiet.org.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	S.SENTHILK UMAR	0485-2827740	8220286511	-	principal@iiet.org.in
IQAC / CIQA coordinator	SANIYA SALIM	-	9447019345	-	saniyasalim@iiet.org.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

<b>Recognized Minority institution</b>	
If it is a recognized minority institution	Yes <a href="#">Minority certificate.pdf</a>
If Yes, Specify minority status	
Religious	MUSLIM
Linguistic	
Any Other	

<b>Establishment Details</b>				
<b>State</b>	<b>University name</b>	<b>Document</b>		
Kerala	A.P.J. Abdul Kalam Technological 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				
12B of UGC				
<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>	05-12-2023	12	

<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?	No

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	NELLIKUZHI PO, KOTHAMANGALAM, ERNAKULAM DISTRICT, KERALA, INDIA - 686691	Rural	10.1	12528.62

## **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	BTech,Civil Engineering,	48	PLUSTWO	English	60	5
UG	BTech,Computer Science And Engineering,	48	PLUSTWO	English	120	76
UG	BTech,Electrical And Electronics Engineering,	48	PLUSTWO	English	30	4
UG	BTech,Electronics And Communication Engineering,	48	PLUSTWO	English	30	8
UG	BTech,Artificial Intelligence And Machine Learning,	48	PLUSTWO	English	60	14
PG	Mtech,Computer Science And Engineering,	24	B.TECH	English	18	0
PG	Mtech,Communication Engineering,	24	B.TECH	English	18	0
PG	Mtech,Structural Engineering And Construction Management,	24	B.TECH	English	18	7

**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	9				17				38			
Recruited	8	1	0	9	13	3	0	16	34	4	0	38
Yet to Recruit	0				1				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						30
Recruited	12		16		0	28
Yet to Recruit						2

<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				17
Recruited	13	4	0	17
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>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	8	1	0	13	3	0	0	0	0	25
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	4	34	0	38
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>Others</b>	<b>Total</b>
		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	68	0	0	0	68
	Female	39	0	0	0	39
	Others	0	0	0	0	0
PG	Male	4	0	0	0	4
	Female	3	0	0	0	3
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years						
Category		Year 1	Year 2	Year 3	Year 4	
SC	Male	0	0	0	0	
	Female	0	2	1	0	
	Others	0	0	0	0	
ST	Male	0	0	0	0	
	Female	0	0	0	0	
	Others	0	0	0	0	
OBC	Male	6	12	13	21	
	Female	3	6	15	8	
	Others	0	0	0	0	
General	Male	2	0	0	0	
	Female	0	0	0	2	
	Others	0	0	0	0	
Others	Male	59	47	43	8	
	Female	21	22	23	22	
	Others	0	0	0	0	
Total		91	89	95	61	

**Institutional preparedness for NEP**

1. Multidisciplinary/interdisciplinary:	<p>Indira Gandhi Institute of Engineering and Technology is sponsored by Indira Gandhi memorial Trust which houses Arts &amp; Science College, Dental College and Technical Teachers Training College in the neighboring campus which enables multidisciplinary activities and exposure to students. Students' multidisciplinary education in the Institution is offered through a Choice Based Credit System (CBCS) as per the University norms. Under CBCS, the students have flexibility in learning courses offered by other disciplines. Hence, the students are given the provision to add extra courses during a semester. The list of elective courses offered by other disciplines are offered as open electives where students from any discipline can learn and credits earned by the students are accounted for the award of degree. Students are permitted to learn online courses offered through Swayam-NPTEL, Coursera, etc, Additional skill enhancement courses are offered to students by industry experts in order to empower the industry readiness among the students. Students are also permitted to attend industry internship to have practical exposure for improving the employability skills. The curricula offered by the Institution are designed with diverse perspectives of cross cutting issues such as human values &amp; professional ethics and life skills. Hence, the multidisciplinary approach promotes the flexibility in learning enabling lifelong learning among the students. The academic curriculum with interdisciplinary enrichment enables the students to learn various courses of interest and apply the knowledge and skills in their own discipline. Additionally, the value based training is obtainable through NSS &amp; Yoga, Hence, it transforms the students into accountable citizens and additionally performs a essential position in improvement of sustainable societies in and across the surroundings of the Institution.</p>
2. Academic bank of credits (ABC):	<p>The mobility of college students among programs via way of means of storing and shifting the credit for the award of the degree is facilitated with the usage of Academic Bank of Credits (ABC). . ABC will facilitate mobility among the students and the reputation of credit earned via way of means of college students across Higher Education Institutions. The university offers minor degree/honors degree as</p>

	<p>per the norms. Regulation for the minor degree includes list of courses in emerging / multidisciplinary areas including Artificial Intelligence and Machine Learning, Cyber Security, Data Science, IOT, etc. with 18-20 credits. The academic bank of credits ensures flexibility in learning and favors for skill up-gradation in any discipline of interest in order to gear-up the students to be industry ready. The Institution also encourages the students to learn courses offered by Swayam-NPTEL.</p>
3. Skill development:	<p>The ability advancement activities center on the NEP-2020 by the GOI, and clear the way for building a solid and dynamic nation. The all-encompassing aptitude improvement of youth from all strides of instruction is the deciding figure to realize the objective of 'Atmanirbhar Bharat' (Self-reliant Country). Through its association with industry, a assortment of programs and ventures have been started to gear-up the students. . Industry involved venture research facilities are set up to supply with the fundamental recreation and commonsense aptitudes. Projets/ Internship programs familiarize the students with genuine life problem-solving aptitudes and improve their center competency. Technical exhibitions/poster introductions/ fests/events are moreover organized in expansion to specialized preparing sessions, personality/career advancement programs.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>IJET cherishes national legacy, values, morals, tradition and culture through courses natural sciences and disaster management, Indian culture and structure, gender sensitization in expansion to different programs on human values &amp; proficient morals, societal mindfulness camps through NSS and particular clubs all through academic year as the students confront from grouped etymological establishments which supports a social mix and to acquaint themselves with social orders and lingos. IJET represents different multi social festivals and events, like Onam , Holi, Christmas Eve, Ramadan and so on. Also the Public festivals, events, Women's Day, Independence day, Engineers day, Environment day, Swatch Bharath, and other social/specialized fests are conducted.</p>
5. Focus on Outcome based education (OBE):	<p>IJET is functioning with Outcome Based Education</p>

	<p>(OBE) system. Vision and Mission of the Departments are framed in line with the Institute's Vision and Mission.. Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) are likewise outlined by each department to accomplish the vision and the mission. Course Outcome (CO) proclamations are outlined for each course and are mapped to 12 Program Outcomes (POs) given by NBA. In view of developmental and summative appraisals, the set target levels and set fulfillment levels for a program, fulfillment levels of POs and PSOs of all the courses of a program are recorded. The Choice Based Credit System (CBCS) is presented from the academic year 2016 for all the UG and PG programmes. The goal of Outcome Based Education focuses on an integration of outcome goals in terms of specific skills, instructional experiences to teach the outcomes and assessment process. Students can understand what they expect, and teachers can understand what they require to demonstrate throughout the course. Transparency is crucial as it is essential to be clear in each category, so that learners are able to advance and also to describe all the data and abilities necessary to accomplish this outcome. Flexibility: The teachers can make their classes according to the student's desires by reading clearly what needs to be done. Analysis: In OBE, the course instructors will analyze the results a student has accomplished to identify in which area they are upgraded and to analyze the talent and provide individual assistance to meet their requirements. These activities will help teachers and the Institution to monitor the overall development and enhancement of skills among the students. Involvement: Student contribution in an institution is also an essential component of OBE. Student's measure exactly should attempt to learn to them, so that the basics are fully understood. Enthusiastic involvement of students permits them to understand their responsibility towards studies so that they will improve a lot through this individual thinking and focus on education.</p>
6. Distance education/online education:	<p>Online teaching and learning has emerged as an important tool for students' learning, remotely. Institute made use of digital and e-learning systems. However, few more lessons learnt from COVID pandemic also helped the institution to implement the</p>

same with vigor and rigors in the interest of its stakeholder's performance. The institution's library offers OSCA software. The faculty members make use of ICT tools in addition to the traditional pedagogy. The institute encourages self-learning culture where both faculty and students use various resources such as e-books, videos, and online journals to develop knowledge. This Institution library is a member of DELNET for resource sharing. In addition, the institute supports the use of learning management systems like Swayam-NPTEL, Coursera, etc. to help in improving the efficiency of the teaching and learning process. In line with the NEP's call for investments in digital infrastructure.

### Institutional Initiatives for Electoral Literacy

<p>1. Whether Electoral Literacy Club (ELC) has been set up in the College?</p>	<p>The institute has established Electoral Literacy Club during the academic year 22-23 with the purpose to build an active democratic environment. The superb point behind this is to advance the significance of electing education among students. It is to engage the students in exploratory involved learning exercises. The organization is putting forth its attempts for the new voters to be sure and to make them know what it means for the advancement of the country. It is an acknowledgment of the students to know the importance of their votes, and the significance of the sanctity and secrecy of votes. It is a kind of conviction to make the students more mature, and competent. The institute is trying to increase Electoral registration by conducting various activities.</p>
<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>Electoral Committee: During the academic year 2022-23 Electoral Literacy Club is established in the institute. The Club meant to make awareness about voting, its significance and the value of Democracy through organizing different occasions. Following are the representatives of the Cell. The student representatives are also representing actively. Dr. S Senthilkumar, Aleena Rahman are the staff representatives, Ashiba B and Jithu Jagannathan as student representatives.</p>
<p>3. What innovative programmes and initiatives</p>	<p>The ELC organizes the following activities to</p>

<p>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>acknowledge the importance of democracy and voting. The ELC organizes Indian Constitution Day on 26th November to acknowledge the importance of the Constitution. Legal Awareness Program: The ELC and Women Cell jointly organized a Legal Awareness Program for Women during the academic year 2022-23. Human Rights Day: The institutional ELC celebrates Human Rights Day for the awakening of human rights on 10th December. ELC arranges rallies to illuminate individuals about the worth of their votes and privileges with the assistance of trademarks and standards for the smooth working of a majority rules system.</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>ELC of IIET is being planning to conduct social awareness programs in current academic year to increase the number of voters .</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The right to vote is a fundamental aspect of democracy, granting citizens the ability to participate in shaping their government .So we should encourage our students to be a part of this, who can develop our country in all aspects.</p>

## Extended Profile

---

### 1 Students

#### 1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
293	248	208	211	326

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

### 2 Teachers

#### 2.1

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

Response: 95

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

#### 2.2

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

2022-23	2021-22	2020-21	2019-20	2018-19
50	49	46	47	59

### 3 Institution

#### 3.1

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

2022-23	2021-22	2020-21	2019-20	2018-19
330.44	314.74	301.96	281.67	396.03



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

## 4. Quality Indicator Framework(QIF)

---

### Criterion 1 - Curricular Aspects

---

#### 1.1 Curricular Planning and Implementation

##### 1.1.1

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

**Response:**

APJ Abdul Kalam Technological University prescribes the curriculum and syllabi for the entire undergraduate and postgraduate program offered by the institution. The university prescribes the regulations for each scheme. The university publishes an academic calendar at the beginning of each semester, which includes starting of classes for different semesters, commencement of internal assessment test, dates for class committee meeting, dates for exam registration and also mentions the commencement of end semester examination. The institution strictly adheres to the university academic calendar.

Based on this academic calendar, our college develops an institutional calendar, which includes arts day, sports meet, college day, departmental activities, workshops, seminars, festivals and vacations. The college has a clear sequenced plan for curriculum delivery that ensures consistent teaching, learning and assessment procedure.

Heads of the department organize faculty meetings at department level. In these meetings, distribution of workload and its effective implementation are discussed based on the competency matrix and preference. Workload distribution is submitted to the Principal as well as timetable committee.

Under the supervision of HOD in each department, based on time table, course files are prepared by each faculty for every subject including laboratory. Course file contains course plan, portion coverage, teaching methods like chalk and talk or power point presentation, attendance, previous year question papers, tutorial details, remedial class details, class note materials for each module. The course files include the details of students regarding their performance of two internal assessments and their corresponding attainment along with result analysis. It also includes assignment, its answer scheme and attainment.

Two internal exams are conducted during each semester. For these, result analysis and attainment is prepared for each subject and kept in the course file. Besides these, two assignments are also given to students for each semester.

For the betterment of students add on courses are provided for every student for the entire course duration. Moreover, every student undertakes internships and industrial visits during the course time.

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

## 1.2 Academic Flexibility

### 1.2.1

**Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)**

**Response:** 40

File Description	Document
List of students and the attendance sheet for the above mentioned programs	<a href="#">View Document</a>
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Evidence of course completion, like course completion certificate etc. Apart from the above:	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 1.2.2

***Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years***

**Response:** 63.84

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
272	214	172	104	59

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

### 1.3 Curriculum Enrichment

#### 1.3.1

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

#### Response:

Indira Gandhi Institute of Engineering and Technology (IET) integrates and promotes the cross-cutting issues relevant to gender, human values, professional ethics, environment, and sustainability into the curriculum.

In our Institution, each department offers different types of courses from the curriculum and listed below as part of the curriculum

Sl.No	Course code	Coursename	Department	Scheme
1	HUN-101	Lifeskills	S1(CSE,CE,ECE,EE E)	2019
2	HUT-200	Professional ethics	S4(CE,CSE,EEE,EC E)	2019
3	HUN-102	Professional Communication	S2(CE,EEE,ECE,CS E)	2019
4	MCN-201	Sustainable engineering	S3(CE,CSE,EEE,EC E)	2019
5	MCN-301	Disaster management	S5(CE,CSE,EEE,EC E)	2019
6	EET-435	Renewable energy system	S7(CE,CSE,ECE)	2019
7	CET-305	Geotechnicalenginee ring2	S5CE	2019
8	EET-322	Renewableenergysys ytem	S6EEE	2015
9	CE-204	Geotechnicalenginee ring	S4CE	2015
10	CE-469	Environmental impact assessment	S7CE	2015
11	CE-309	Waterresource	S5CE	2015
12	CE-405	Environmentalengin eering1	S7CE	2015
13	CE-402	Environmentalengin eering2	S8CE	2015

14	HS-210	Lifeskills	S4CSE	2015
<p>The Women Empowerment Cell in our college is established to empower girl students and staffs and to enhance their understanding of issues related to women in the society and to face the challenges with great courage. IIET empowers women to realize their potential and compete for equal opportunities in building a successful home and career. The women empowerment program known as 'UNSTOPPABLE COLLENS' was organised by the women empowerment cell in association with the civil department on 03-02- 2020, at the seminar hall. The session was handled by our student Najila T A who is a karate black belt holder.</p> <p>Drug abuse has become the most common thing these days and many youth are destroying their lives by getting addicted to drugs. A seminar on Drug abuse prevention was conducted in the institution on 02-11-2018 at the seminar hall. Dr viji K Ramakrishnan, Principal of KMP College of Arts and science Odakkali was the resource person.</p> <p>Anti ragging cell should be one of the important part of educational Institution's mechanism. IIET campus is ragging free. An 'Anti-Ragging Awareness Programme' was organised by the Anti ragging cell in the institution on 01-11-2021. Mr Reji Nalandan, writer trainer, and motivational speaker handled the session</p> <p>Since we all know that nicotine is the number one carcinogen, IIET conducted ANTI- TOBACCO day every year. Mr. Athul K S delivered a speech on 31-05-2021 at the seminar hall.</p>				
<b>File Description</b>		<b>Document</b>		
Upload Additional information		<a href="#">View Document</a>		
Provide Link for Additional information		<a href="#">View Document</a>		

<b>1.3.2</b>	
<b>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</b>	
<b>Response:</b> 90.44	
<b>1.3.2.1 Number of students undertaking project work/field work / internships</b>	
<b>Response:</b> 265	
<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 1.4 Feedback System

**1.4.1**

*Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website*

**Response:** A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

<b>File Description</b>	<b>Document</b>
Feedback analysis report submitted to appropriate bodies	<a href="#">View Document</a>
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	<a href="#">View Document</a>
Action taken report on the feedback analysis	<a href="#">View Document</a>
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1

##### Enrolment percentage

**Response:** 34.5

##### 2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
91	89	95	61	47

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

2022-23	2021-22	2020-21	2019-20	2018-19
234	234	234	204	204

#### File Description

#### Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 2.1.2

*Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years*

**Response:** 39.47

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2022-23	2021-22	2020-21	2019-20	2018-19
9	20	29	29	3

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

2022-23	2021-22	2020-21	2019-20	2018-19
48	48	48	42	42

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	<a href="#">View Document</a>
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule ( Translated copy in English to be provided as applicable)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

### 2.2.1

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

**Response:** 5.86

## 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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process**



**Response:**

Indira Gandhi Institute of Engineering and Technology adopts an effective platform for students to develop the latest skills, knowledge and attitudes correctly. The teachers in their techniques used for lecture delivery and the college encouraging students' participation in co-curricular and extracurricular activities makes the learning process more students.

**STUDENT - CENTRIC METHOD**

The institute focuses on the student-centric methods for enhancing learning skills for students.

**Experiential learning**

The institution imparts the following experiential learning practices to enhance the creativity of the students

- Laboratory experiments play a vital role for engineering students of all branches in each semester. Conduct Laboratory sessions with content beyond the syllabus for students to enhance their practical knowledge.
- Departments Plan and Organize industrial visits for students to provide exposure to industrial work culture. It helps the students to get an idea about the industries.
- Summer Internship - Students get hands-on training while working in the company. It provides an opportunity to translate classroom knowledge into practice practice in organizations.

**Participative learning**

In this type of learning, students participate in different activities such as seminars, workshops, webinars, debates, and quizzes.

- Students are given a topic from a few of the subjects and asked to deliver a seminar on it independently. It will make students, learn connecting to self-motivation and ability to build up self-confidence.
- The College organizes many seminars and workshops regularly for students to improve their learning skills.
- Webinars were conducted during the pandemic situation for students.
- Quiz and Debate programs are being organized by various departments.
- Value- added courses are organized for students

**Problem solving learning**

- Tutorial classes are organized for all problematic subjects that lead them through a chain of logic to solve a problem or overcome a conceptual difficulty.
- Placement training programs are conducted for final -year students to improve their analytical and problem- solving skills
- Projects and mini- projects are a regular part of the curriculum. The institute provides many software tools for students to improve their conceptual knowledge and develop logical and critical thinking
- University follows the discussion methods in many of the subjects as it makes the students think

wide and participate in coming up with opinions & suggestions to check their current knowledge.

### ICT TOOLS FOR EFFECTIVE LEARNING

All the faculty of the college adopts ICT tools for effective content delivery in the classrooms. The institute is particular in giving the students a better understanding, reinforcement of concepts and enriching the learning experience through ICT tools. The institution has six smart classrooms, a digital library, online material and LCD projectors to ensure better content delivery. The institute organizes three Seminar rooms and one Conference rooms are digitally equipped where guest lectures, expert talks and various competitions are regularly organized. The institution offers ICT facilities and online resources to students for learning anytime anywhere.

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

## 2.4 Teacher Profile and Quality

### 2.4.1

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

**Response:** 90.29

#### 2.4.1.1 Number of sanctioned posts year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
55	53	51	55	64

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 2.4.2

**Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)**

**Response:** 36.25**2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
20	19	15	17	20

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	<a href="#">View Document</a>
Institution data in the prescribed format	<a href="#">View Document</a>
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.5 Evaluation Process and Reforms****2.5.1****Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient****Response:**

Mechanism to deal with examination related grievances is transparent time bound and efficient

1. Students are made aware of internal assessment tests (IAT) schemes and continuous assessment schemes for lab work and project work as per the evaluation criteria prescribed by KTU (APJ Abdul Kalam Technological University). Internal test schedule had provided to the students at the start of the semester as per academic calendar. Question papers are prepared as per the revised blooms taxonomy. Scheme of evaluations are provided to the students once the examination is over. The answer scripts of IAT are distributed to the students within three days after the completion of exam for verification. If the student having any grievances, he/she can approach the subject handling staff. If the problem is not resolved, they can approach class advisor. As the next level of transparency, marks are displayed on notice board within one week after the distribution of answer scripts.
2. Once the University publishes the results, and if the students have grievances regarding their results, they can go for revaluation. The revaluation procedure and the date are announced in the

KTU site within ten days after the publication of results. Revaluation results are published as per university norms. Students who failed after revaluation and don't have copy of Answer book in hand and desirous to review shall first apply for copy of Answer book within 7 calendar days after the publication of revaluation result through their student portal and can apply for review within seven days after uploading the answer script. The downloaded answer script is justified by a faculty member of the college, who handled the subject, and the faculty should recommend for revaluation with the breakup of marks for each question within three days. The outcome of the process is conveyed to the students by the examination section.

Guidelines for awarding internal marks to maintain the uniformity while assessing term work internally at college level. Each practical courses should be assessed out of 75 marks. The split up of these 75 marks shall be maintained as below:-

Attendance	15 marks
Continuous assessment	35 marks
Internal Test	30 marks

Internal marks for theory courses are assessed out of 50 marks. The split up shall be maintained as below:-

Attendance	10 marks
Assignment/Quiz/Course project	15 marks
Continuous Assessment Test (2 numbers)	25 marks

Split up of attendance is given as below:-

90% above	10 marks
80%-90%	8.0-9.0 marks
70% -80%	7.0-8.0 marks
60%-70%	6.0-7.0 marks

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

## 2.6 Student Performance and Learning Outcomes

### 2.6.1

*Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website*

#### Response:

The Institution is affiliated to APJ Abdul Kalam Technological University, Kerala. The University regulations for conducting the Continuous Internal Assessment (CIA) are followed for UG and PG programs. Giving due importance to different course specializations, every department formulates their

own Program Specific Outcomes (PSOs) and are limited to 3. It aimed on to the professional accomplishments of the program, and these are to be attained by the students by the time they complete the program. Course Outcomes are derived by the university and stated in the course syllabus. The CO-PO Mapping given by the KTU is followed. However CO-PSO mapping are being done by faculty members in consultation with Department Advisory Committee (DAC).

**Program Outcomes (POs):** It represents the knowledge, skills and attitudes the students should have for their respective engineering program at the end of a course completion. The prescribed POs given by National Board of Accreditation (NBA) are followed.

**Program Specific Outcomes (PSOs):** These are statements that define the outcomes of a program and help students understand that what they learn in this course has a direct impact on the well-being and sustainability of society. PSOs are defined by the Department Advisory Committee (DAC) in line with their respective vision, mission and scope of the institution and the department. A PSO prepared by the DAC is approved by the Principal after it has been reviewed by the DAC.

**Program Outcomes, Program Specific Outcomes (PSOs), and Course Outcomes are communicated to program stakeholders through the following ways.**

- COs, POs and PSOs are available in the Institute website ([www.iiet.org.in](http://www.iiet.org.in)).
- POs and PSOs are approved by the Department Advisory Committee.
- POs and PSOs are displayed prominently on campus for staff, students, and the public to see.
- POs and PSOs are displayed in Department offices, laboratories, and libraries.

**Course Outcomes (COs):** COs are framed by the affiliated university which is being followed by the institution. In each course, the DAC organizes a course committee composed of the course handlers and an expert in the subject area. The course outcomes and their mapping with program outcomes and program specific outcomes are elaborately discussed and derived by the course committee members.

Students are informed about COs during the actual introduction class itself, where they are explained to them. A review of the course outcomes is performed at the beginning of each module and at its completion.

In the course of talking to the students, the HODs create awareness among the students regarding POs, PSOs, and COs. In addition, faculty members, class tutors, and mentors also provide information to the students, create awareness about the outcomes, and emphasize the need for the students to achieve them.

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

## 2.6.2

*Attainment of POs and COs are evaluated.*

**Explain with evidence in a maximum of 500 words****Response:**

The Institution is affiliated to APJ Abdul Kalam Technological University, Kerala. The University regulations for conducting the Continuous Internal Assessment (CIA) are followed for UG and PG programs. Giving due importance to different course specializations, every department formulates their own Program Specific Outcomes (PSOs) and are limited to 3. Course Outcomes are derived by the university and stated in the course syllabus. The CO-PO-PSO Mapping is done by the institution through direct and indirect assessments.

**CO Assessment for Engineering Courses**

The institution conducts CO Assessment for the 2015/2019 scheme regulation by continuous internal assessment (CIA) and End semester university examination (ESE). The Internal assessment of 2015 scheme constitutes two Internal Assessment Test (IAT), each for 50 marks and the total 100 marks is consolidated to 40. The two Assignments each carrying 10 marks, is consolidated into 10 marks. The Internal assessment of 2019 scheme constitutes two Internal Assessment Test (IAT), each for 50 marks and the total 100 marks is consolidated to 25. The two Assignments each carrying 15 marks, is consolidated into 15 marks. Additionally attendance is also given with a weightage of 20% and contributes 10 marks to the CIA. 33.33% weightage is given for CIA and 66.67% weightage is given for the ESE for both the scheme.

For each CO attainment the average percentage of marks is calculated considering internal tests and assignments.

The average percentage assigned to each CO's and the average calculated for the ESE are consolidated by taking 60 percentage of CIA and 40 percentage of ESE.

Each faculty has to set a target attainment level for corresponding courses on the basis of previous year results. For each CO, if the attained level is below the target, the faculty has to take certain actions in order to subdue the low attainment. Giving seminars, conducting extra classes, Tutorials, Group discussions are incorporated as the remedial actions.

Out of the total 150 marks awarded for Direct Assessment, a student has to secure a minimum of 35/50 marks in CIA along with a minimum of 40/100 marks from the ESE in order to get P grade (PASS).

**PO/PSO Assessment for Engineering**

PO/PSO assessment is done by considering direct and indirect methods giving 80% weightage to direct method and 20% weightage to indirect method. Direct assessment is done through CO attainment and indirect assessment is accounted through mapping Alumni and Employer survey to each CO's.

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

### 2.6.3

#### Pass percentage of Students during last five years (excluding backlog students)

**Response:** 76.03

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

2022-23	2021-22	2020-21	2019-20	2018-19
98	78	34	26	40

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

2022-23	2021-22	2020-21	2019-20	2018-19
154	83	41	34	51

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	<a href="#">View Document</a>
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<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 students on roll as per data template	<a href="#">View Document</a>



## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

#### 3.1.1

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

**Response:** 18

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

2022-23	2021-22	2020-21	2019-20	2018-19
3	2	6	3	4

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

### 3.2 Innovation Ecosystem

#### 3.2.1

**Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

**Response:**

Indira Gandhi Institute of Engineering and Technology (IET) have created an eco-system for innovations, creation and transfer of knowledge supported by dedicated cells for research, entrepreneurship, incubation etc.

#### 1. Research and Development Cell (R&D)

The primary goal of the Research and Development Cell (**R&D**) of the institution is to encourage faculty members and students in research activities by providing resources, guidance and support to them in undertaking research projects across various disciplines. The R&D Cell supports the publication of research findings in reputed journals and conferences, thereby showcasing the scholarly achievements of the college community. The cell is equipped with dedicated Systems, 3D Printer, Solar Powered Cell, electric motor and Digital Linguistic Mentor (English Lab Software) which the students utilize for their

project work.

The following are some projects of students guided by the faculty members which received seed money from the Indira Gandhi Memorial Trust. The projects are solar cycle, solar wheel chair IOT based home automation using Audrino, ICU bed.

## **2. Incubation cell (I-Incub) cell**

The primary objective of the I-Incub Cell is to provide a conducive environment for students to transform their innovative ideas into viable business ventures. The Incubation cell conducts boot camp where students can refine their business ideas, develop prototypes and create sustainable business models under the guidance of experienced mentors. Our students were active participants in a workshop on Start-up boot camp conducted in collaboration with Incubation cell of RIT, Kottayam on the 15th of February, 2022.

## **3. Intellectual Property Rights (IPR)**

The Intellectual Property Rights cell (IPR) cell is established in the college to ensure a speedy and accurate identification and protection of innovations arising out of the research work carried out by the students of the college. Intellectual Property Rights Cell organized several workshops and seminars. Our institute conducted a workshop on Intellectual property rights in collaboration with the IPR cell of RIT, Kottayam on 11th and 12th of February, 2022.

### **Patent Details**

1. Underground cable fault distance display system over the internet (publication date: 03/06/2022)
2. Handicapped solar car wash unit (hscwu) (publication date: 29/06/ 2022)

## **4. Innovation & Entrepreneurship Development Center (IEDC)**

The Coordination Committee of Innovation and Entrepreneurship Development Centre of IIET was reconstituted on 18-07-2022. IEDC supports students in converting their ideas into prototypes through various orientation and motivational programs. IEDC of Indira Gandhi Institute of Engineering and Technology is functioning with the technical and financial support of the Kerala Start-up Mission. As suggested by KSUM, IEDC IIET has opened a savings account in the Bank of Baroda, Kothamangalam. IEDC has conducted several workshops and seminars in Entrepreneurship & Research areas.

IEDC program attended outside our institute:

- Our institute were proud participants of the Manorama “DIGITAL CHANGE MAKERS 2023” a digital contest hosted in connection with the 5th edition of kerala’s premier digital summit, Techspectations on the 17th of February 2023, organised at the Le Meridien, Kochi.

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

**3.2.2**

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

**Response:** 42

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

2022-23	2021-22	2020-21	2019-20	2018-19
11	7	5	7	12

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

**3.3 Research Publications and Awards****3.3.1**

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

**Response:** 2.07

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

2022-23	2021-22	2020-21	2019-20	2018-19
41	34	48	35	39

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	<a href="#">View Document</a>
Link to re-directing to journal source-cite website in case of digital journals	<a href="#">View Document</a>
Links to the papers published in journals listed in UGC CARE list or	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.3.2

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

**Response:** 0

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

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0	0	0

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

## 3.4 Extension Activities

### 3.4.1

**Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.**

**Response:**

Indira Gandhi institute of engineering and technology (IIET) emphasizes on all-round development of the students by organizing various extension activities to inculcate a sense of social responsibility and humanitarian values amongst the students by connecting them to the neighboring community. With this

aim in view, extension services are made available to nearby schools, villages and communities. Every year, the college organizes activities with the help of various departments. Committees like NSS and the student council also take lot of initiatives to sensitize them towards the needs of the marginalized thereby make them aware of their responsibilities towards the society. This has always helped to promote better social, natural recreational intellectual and spiritual file among the people.

### **Extension Activities Organized**

#### **NSS CAMP**

The college organises nature camps regularly every year for the holistic development of both the students and the society. The IIET NSS is recognised as the NSS Unit: 249. Some of the camps conducted by the college are 7-day NSS camp, Vadattupara Nature Camp, Chithirapuram, Nature Camp, Periyar Tiger Reserve, Idukki.

The electronics department conducted an E-waste management drive on 14/10/2021 where they exhibited some of their crafts using e-waste and also organised an e-waste collection campaign. The college conducted a seminar on water conservation on world water day on 22/03/2021 on highlighting the importance of water conservation and also conducted a seminar on Natural disaster reduction on 04/06/2021 which the participants found very informative especially in this scenario. The college annually conducts a cleaning activity that covers the camps premises such as on 02/10/2021. The college organizes a Blood donation camp on various occasions every year such as on 10/01/2021. Large number of students, faculties, and the neighborhood community voluntarily donated blood.

The college executed a seminar on drug abuse prevention on 02/11/2018 which focussed on the adverse effects of drug usages. The college organises free eye-screening camps in the campus such as on 28/01/2019 and 02/02/2022 where a large number of neighbouring communities take part. The college performed free health camps in the campus 07/08/2017 and 23/12/2020 where a large number of neighbouring communities participate. Our students visited a palliative centre “Peace Valley” on 06/03/2022 where they donated a wheel chair which they developed. The students visits orphanages and old age homes quite often and spent quality time there. One such visit was on 25/08/2017 at Odakkali, Kothamangalam

### **Impact of Extension Activities on students and neighborhood community**

Importance of cleanliness and its impact on health is delivered to villagers. Students learned ethical values, human values and understand their social responsibilities. It helps the student to grow individually and also as a team play. Students learn about various life-essential skills while working towards improving people’s living standards.

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

### 3.4.2

#### **Awards and recognitions received for extension activities from government / government recognised bodies**

##### **Response:**

IJET strongly believes in the need for holistic development of students and accordingly the institution has always directed the student's energy towards addressing the social issues through its curriculum and extension activities. Below mentioned are some of such activities for which we were recognised by government / government recognised bodies:

##### **1.Appreciation from Govt. U. P. School, Chenkara**

The NSS unit of our institute had conducted a 7 day NSS Nature camp on the 23rd of May to 30th of May, 2022 at Govt. U. P. School, Chenkara. The school authorities were very pleased with the services of our students.

##### **2.Appreciation from Al-Azhar Medical for efficient conduction of eye-screening camp**

The eye-screening camp conducted by the college NSS cell in association with Al-Azhar medical college and super speciality hospital, Thodupuzha on 2nd February, 2022 was mentioned as the best among many.

##### **3.Appreciation from Rajagiri Hospital**

The NSS unit of the institute had organised a blood donation camp in association with the "Rajagiri hospital", Chunangmvely, Aluva, Kochi, Kerala on the 10th of January, 2022. The hospital authorities highly appreciated our efforts

##### **4.IIRS- ISRO Nodal centre**

Our institute is recognised as the nodal centre for the outreach programs being conducted by Indian Institute of remote sensing (IIRS); Indian Space Research Organisation (ISRO); Department of space, Govt. of India.

##### **5.Appreciation for active participation in the rally conducted by Nellikuzhi grama panchayat**

Our students were actively involved in the rally conducted by the Nellikuzhi grama panchayat on the Nellikuzhi canal premises with the intension of cleaning the canal on account of World water day on 22nd of March, 2021.

##### **6.Appreciation for active participation in the anti-drug campaign conducted by Santhapara police station, Kothamangalam.**

Our institute were active participants of the anti- drug campaign which was conducted by the santhapara police station, kothamangalam on 2nd of November, 2019

**7.Appreciation from Al-Azhar Medical for efficient conduction of eye-screening camp**

Al-Azhar medical college and super speciality hospital, Thodupuzha recognised our institute as to have conducted the best eye-screening camp, which was conducted in the campus on 28th January, 2019.

**8.Appreciation for flood media coverage**

The media foundation “AMMA” recognised our college for having contributed the most in media coverage during the flood that took over the whole of Kerala in the year 2018. The CEO of our institute Mr. Ciyad K P accepted the award on be-half of our students.

**9.Appreciation for providing maximum number of volunteers for flood rehabilitation**

The media foundation “AMMA” recognised our college for having contributed the maximum number of volunteers during the flood that took over the whole of Kerala in the year 2018. The CEO of our institute Mr. Siyad K P accepted the award on be-half of our students.

**10.Appreciation from Al-Azhar Medical for efficient conduction of medical camp**

Recognised as one of the best medical camp conducted in association with Al-Azhar medical college and super speciality hospital, Thodupuzha on 7th August, 2017.

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

**3.4.3**

*Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.*

**Response:** 42

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

2022-23	2021-22	2020-21	2019-20	2018-19
12	12	3	5	10

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.5 Collaboration

#### 3.5.1

*Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.*

**Response:** 22

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	<a href="#">View Document</a>
List of year wise activities and exchange should be provided	<a href="#">View Document</a>
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>



## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1

**The Institution has adequate infrastructure and other facilities for,**

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

**Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)**

#### **Response:**

Indira Gandhi Institute of Engineering & Technology, established in 2009, located in a calm and quite area just nearly 53 Kms away from Cochin International Airport Limited (CIAL). It has adequate facilities like class rooms, well equipped laboratories, library etc as per AICTE & KTU norms.

The campus is spread over an area of 10 acres 19 cents of land with a total built up area of 12825.62 Sq.m catering to instructional, administrative, residential, and associated needs and open area of 25682.26Sq.m including ground.

Institution is housed with 28 well equipped class rooms, with total area of 2035 sq. m including 6 smart classroom & 22 ICT enabled classrooms. All classrooms are furnished with adequate number of tables and chairs, ceiling fans, lights, black/green/white boards, podium and notice boards. Each department has separate staff room, HOD cabin with computer system and printing facilities.

Each department has adequate laboratory facilities as per AICTE & KTU norms. A total of 21 laboratories and 1 workshop are set up in the institution on an area of 2945.46 sq. m. Institution has 3 seminar halls with area of 499.6 sq. m and provides basic amenities like projectors, speakers, chairs, desk etc. Each seminar halls has a seating capacity of 100 students at a time with ICT facilities.

The campus provides adequate facilities at multiple venues to host various academic, administrative, sports, and cultural gatherings. The College has an open auditorium with a space of 900 sq m and a mini auditorium of area 550 sq m. The campus also houses Indoor game facilities with a floor area of 183.1 sq. m for conducting sports events like caroms, chess, and table tennis. Institution has an outdoor playground with an area of 5625Sq.m, to conduct the games like Cricket, Football, Badminton, Volleyball, Athletics etc.

The gymnasium hall with an area of 229.44Sq.m is housed with equipments like treadmills, dumbbells, barbells, stationary bike, elliptical machine, gym ball, medicine ball, short hurdles etc. Yoga center of area 200 sq m is also provided in our institution. A separate room of area 95 Sq.m is allotted as green room. College has a transformer capacity of 400 KVA and generator backup of 125KVA. Solar power backup also provided for physics lab.

College has a Medical room with the support of a medical nurse and a bed for any medical emergencies

and first aids along with 24\*7 ambulance service. College provides hostel facilities for both boys and girls. Boy's hostel has an area of 2322.5sqm with occupancy of 300 no of students. Girl's hostel has 1950.9 sq. m area and can accommodate 300 number of students. Hostel room provides facilities like light, fan, shelf, chair, study table along with free wifi. College offers transportation facility cover an area of 50-55kms in north, south, east and west directions.

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

#### 4.1.2

*Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years*

**Response:** 25.96

**4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
83.18	77.07	76.46	85.96	99.06

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1

*Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the*

***faculty and students*****Response:**

IJET Central Library is established in the year 2009 and has an excellent collection of 16830 Books. The Central Library of IJET is organized in Block 2. Library is automated using Integrated Library Management Systems (ILMS).

Library is spread over an area of 4322.27 Sq. ft. including reading area which can accommodate 150 members at a time. It includes Reference Section, Periodical Section, Digital Library, Circulation Section, Stack Area, CD Section and Reprographic Section.

It has a huge collection of volumes for Engineering and general subjects. The collections includes 16830 Books, 40 Journals, 3 e-Journals, 10 Periodicals, 4 Newspapers, 211 CD ROMS, Project reports, Question papers etc. The library also holds 876 collections of reference books to facilitate the learners to prepare for Gate, UGC, Net and other competitive examinations. The books are categorized according to Dewey Decimal Classification Scheme. Each department has separate department library with adequate number of books.

All the students, faculty and non-teaching staff of IJET are members of this library. The library provides campus wide IP enabled access for online journals like DELNET and NDL which provide access to various e- resources. Remote access to DELNET is also made available for hostel students. For library transactions, student's ID card with barcode is used with barcode scanner. Reprographic, document scanning, printing and internet facilities are available in library. The library follows an open access system which allows the students to lend books for duration of one month.

Number of teachers and students using library per day over the last one year is 60. The students and teachers can access the library from 8.30am to 5.00pm. All the details regarding per day usage is recorded in the register. Library provides internet access with Wi-Fi facility.

The central library includes advanced digital library with 10 computers for students and 2 for other purposes. The IJET library is automated with leading library management software Ocsca, which gives a user friendly interface for searching resources in the library along with the position and availability status. Fully computerized library system with an OPAC Search facility is functioning.

**Features of Ocsca :**

Ocsca is customized and integrated online software. Ocsca at IJET is streamlined with dedicated cloud, customizable searching facility. Ocsca is built using library standard and protocol, multilingual and transferrable. . Ocsca consists of the following modules: Issue, Return, Renewal, Book entry and E-gate login.

**Automation Software**

Name of the ILM software : Ocsca Version 5.0

Nature of automation : Fully

Server Version	:	Windows server 2012
Year of automation	:	2020
Library Link	:	www.iggis.in

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

### 4.3 IT Infrastructure

#### 4.3.1

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

*Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words*

**Response:**

Indira Gandhi Institute of Engineering and Technology (IJET) has an IT infrastructure, which plays a vital role in supporting the academic and administrative functions of the institution. With a focus on providing modern technology solutions, IJET ensures that its IT facilities are regularly updated and maintained to meet the evolving needs of the college community. Here are some key points about our IT infrastructure.

**Desktop Computers:**

IJET possesses 312 desktop computers with varying configurations, including core i3 and i5 processors, 2/4/8 GB RAM, and 500/1TB SSD hard disks. These computers are connected through a LAN network, offering a high-speed connectivity of 1000 Mbps.

**Networking:**

**Wired Network:** IJET has a dedicated wired network known as "IJET Work," which facilitates seamless connectivity across the campus.

**Wi-Fi Network:** The institution provides Wi-Fi access under the network name "IJET AIR," ensuring wireless connectivity for students, faculty, and staff. In academics, administrative and hostel facilities, wi-fi is accessible.

**Internet Connectivity:**

IJET regularly upgrade our internet plan to meet our growing demands. Initially, when the institution started, we had a 10 Mbps connection from a single service provider. Over time, we've expanded our options and now have two service providers. IJET benefits from two internet connections, one from BSNL with a speed of 300 Mbps and another from Kerala vision, with a speed of 200Mbps.

#### **Digital Library:**

Our institution has a digital library, housing 12 internet-linked computers with a download speed of 280 Mbps for students and faculty.

#### **Classroom Facilities:**

IJET boasts 6 classrooms equipped with Interactive Panels and 22 classrooms equipped with ICT facility enabling effective multimedia-based teaching and learning experiences.

#### **IT Upgradation:**

IJET continuously update our IT infrastructure to meet evolving needs. This includes regular upgrades to our computer systems and other essential components. Since 2021, we've made it a practice to purchase new computers every year.

#### **Cloud Infrastructure:**

IJET has transitioned from physical servers to a cloud-based infrastructure, for our

ERP software for seamless automation of day-to-day administrative process and admission management. The cloud server is a dedicated windows server with dual hexa core processor, 64 GB RAM, 1Gbps port speed and 30 TB bandwidth per month.

#### **Network Management and Security:**

IJET's LAN and Wi-Fi network are managed through reliable and secure 24-gigabyte network switches. The network is protected by the Sophos XG 115 W hardware firewall, ensuring a safe and secure computing environment.

#### **Surveillance:**

The entire college campus is under CCTV surveillance, comprising 50 CCTV cameras and 4 NVRs.

#### **Printing and Photocopying Facilities:**

The institution is equipped with 25 printers, including high-speed printers and advanced two photocopier machines.

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

**4.3.2****Student – Computer ratio (Data for the latest completed academic year)****Response:** 1.03**4.3.2.1 Number of computers available for students usage during the latest completed academic year:**

Response: 284

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	<a href="#">View Document</a>
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**4.4 Maintenance of Campus Infrastructure****4.4.1**

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

**Response:** 26.44**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
88.13	79.53	76.65	85.41	99.93

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1

*Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years*

**Response:** 62.44

**5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
162	139	137	181	184

#### File Description

#### Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 5.1.2

*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. ICT/computing skills*

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



File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	<a href="#">View Document</a>
Report with photographs on ICT/computing skills enhancement programs	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.1.3

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

**Response:** 13.76

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

2022-23	2021-22	2020-21	2019-20	2018-19
29	11	20	35	82

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

### 5.1.4

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

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

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

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	<a href="#">View Document</a>
Proof related to Mechanisms for submission of online/offline students' grievances	<a href="#">View Document</a>
Proof for Implementation of guidelines of statutory/regulatory bodies	<a href="#">View Document</a>
Details of statutory/regulatory Committees (to be notified in institutional website also)	<a href="#">View Document</a>
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1

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

**Response:** 65.42

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

2022-23	2021-22	2020-21	2019-20	2018-19
31	14	27	36	85

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

2022-23	2021-22	2020-21	2019-20	2018-19
48	19	31	67	130

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.2.2

*Percentage of students qualifying in state/national/ international level examinations during the last five years*

**Response:** 0.98

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

2022-23	2021-22	2020-21	2019-20	2018-19
1	0	0	0	0

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

### 5.3.1

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

**Response: 45**

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

2022-23	2021-22	2020-21	2019-20	2018-19
8	11	9	8	9

File Description	Document
Upload supporting document	<a href="#">View Document</a>
list and links to e-copies of award letters and certificates	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**5.3.2**

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

**Response: 38.8**

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

2022-23	2021-22	2020-21	2019-20	2018-19
55	52	32	23	32

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

## 5.4 Alumni Engagement

**5.4.1**

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

**Response:**

The alumni association of IJET is named as BIGGIES. The BIGGIES IJET Alumni Association is registered under Section 12 of The Travancore Cochin Literary and Scientific and Charitable Societies Registration act 1955, Government of Kerala. Established in 2021, BIGGIES IJET Alumni Association creates and maintains a life-long connection between the college and its alumni.

**Alumni Association**

The students who completed B. Tech and M. Tech courses from IJET are the members of this alumni association. All the members of alumni constitute the general body of alumni association. It is governed by the executive council appointed by the general body. Executive council consists of 10 members including President, Vice President, Secretary, Joint Secretary and Treasurer. Principal of IJET is the Ex-officio President of the association. The college hosts annual meetings regularly which comprise of a formal session followed by entertainment programs and dinner.

**Activities of the Alumni**

IJET alumni association extends support in various avenues by offering technical talks in their respective domains of expertise and conducting interactive sessions with our students.

Also, the alumni supported the college in finding job placement for final year students and for giving group discussion training etc. Some alumni referred their junior students for getting placed in their companies.

Visits of the alumni to the campus and interaction with present students are encouraged by the college. National / International Seminars and Conferences / College Day, IJET Graduation Day, etc. are occasions where the presence of the alumni is solicited. Continuous relationship with the alumni is maintained through social media groups.

**Activities**

A few specific activities of the alumni during the period of this report are listed below:

- A technical talk on “Skills Required for Software Professionals” on 3rd January 2023 by Ms. Jesniya T K (2010-2014 CSE)
- A GD practice session conducted by Ms. Arya Mohan (2013-2017 ECE) on 18th April 2023 – 19th April 2023
- An expert talk on “How to Tackle the Interviews in Core Companies” on 14th January 2022 by Mr. Salman K M (2017-2021 EEE)
- A technical talk on “Challenges in Software Industry and How to Overcome Them” on 2nd February 2021 by Mr. Zaidh Anzal (2012-2016 CSE)
- A GD practice session conducted by Ms. Anju Mathew (2009-2013 CSE) on 15th December 2021
- An expert talk on “Cyber Security: Risk Management” on 16th January 2020 by Mr. Muhammed

Asif (2011-2015 CE)

- A technical session on “Understanding the Front-End Development” on 30th January 2019 by Mr. Arjun Jayadev (2011-2015 EEE)
- Ms. Shany Monichan (2019-2023 CE) is placed in Bitzwall IT Solutions with reference from alumni Ms. Farsana Rasheed (2015-2019 CE).
- Mr. Fahad Kasim C H (2017-2021 CE) supported Ms. Alfiya S (2019-2023 CE) for getting placed in Global India Techno Hub.
- Mr. Akshay Nambiar (2015-2019 EEE) referred Mr. Jesfin Xavier (2017-2021 EEE) for getting placed in Global India Techno Hub.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide 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 institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.*

#### Response:

#### VISION

To become an institute great repute in the field of Engineering and Technology by offering a global standard in education and transform the students into skilled personalities, capable of contributing to society through innovation and creativity.

#### MISSION

- By providing students the requisite training in soft skills, life skills, technical and value added programs.
- Enabling students to be Innovative and creative for nurturing their thinking skills and providing opportunities to convert them through unit process.
- Motivating students to become lifelong learners by following ethical practices and professional code of conduct.

#### GOVERNANCE

Our Management is highly committed and dedicated to the service of catering to the contemporary requirements of higher education. The Management gives sufficient freedom to the Principal to fulfil the vision and mission of the college. The top Management, Principal and faculty of the college is committed to plan, implement, document and continually improve effectiveness through a Quality Management System.

#### GOVERNANCE STRUCTURE

The managing trustee holds the Executive Committee Meeting with the Principal and the Dean to review the academic administration, research and development and any other agenda planned for the growth of the institution. The Governing Council monitors the academic and other related activities of the college, to consider the recommendations of the Staff Selection Committee, policy decisions received from the University, Government, AICTE, etc, to pass the annual budget of the college, to approve the income and expenditure of the college annually. The Principal conducts weekly meetings with all the HODs regarding academic activities, students' progress, placement and training details, research and extension activities, industry interaction, alumni interaction etc.

The college promotes a culture of participative management at all levels right from the students up to the members of faculty. There are 20 functional committees and 5 cells out of which student representatives are included in five committees.

Faculty members are part of every functional committees and cell and the recommendations are ratified by the principal.

### NEP implementation

Awareness programmes have been organized for the benefit of faculty members. Implementation of NEP in value additions offered to the students. Usage of effective ICT and Online courses like SWAYAM, NPTEL, MOOC COURESA are being included into the TLP .To include Indian knowledge system yoga programmes and cultural programmes are organized.

### Sustained institutional growth

IET was established in 2009 with four UG programmes. Subsequently three PG programmes have been introduced. A slow and steady progress is shown in terms of student admission, student outcomes, placements etc. The faculty qualifications have been continuously improved. In line the vision and mission of the institution the IEDC,IIC have been established with considerable involvement by both faculty and students.

### Short term goals

- 1.To acquire NAAC and NBA accreditation.
- 2.To improve research funding.
- 3.Enhancement in placement.
- 4.Research paper publication to be improved.
- 5.To improve academic results of students.

### Long term goals

- 1.To become an autonomous institution.
- 2.To establish Research centres.
- 3.To establish centres of excellence.
- 4.To achieve NIRF rank.

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

## 6.2 Strategy Development and Deployment

### 6.2.1



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

**Response:**

Indira Gandhi Institute of Engineering and Technology (IET), founded on principles of integrity and commitment, was established in 2009. IET is a self-financing engineering college affiliated to APJ Abdul Kalam Technological University, Kerala, approved by AICTE. The institution's strategic plan encompasses a wide range of academic activities, including:

- Enhancing the teaching-learning process
- Fostering successful entrepreneurs
- Strengthening industry-institute interaction
- Introducing job-oriented courses
- Offering certificate courses through NPTEL and COURSERA
- Providing personality development programs
- Ensuring successful placements
- Implementing e-governance across all areas
- Encouraging faculty and student Research and Development
- Developing a clean and green campus
- Implementing welfare measures for faculty members
- Undertaking various other initiatives

IET's administrative setup is well-defined and streamlined, as highlighted below:

**Administrative Roles and Functions:** The Principal leads academic and administrative decisions, supported by the Vice Principal and Dean (Academic). The Administrative Officer maintains order and conducive academic atmosphere, while department heads oversee individual departments.

**Board of Trustees and Committees:** The Executive Committee and Governing Body administer overall development, and the Advisory Board promotes progress in governance. Cells and Committees like IQAC, R&D, Library, IEDC, IIC, Grievance Redressal, and Counseling contribute to academic support.

**Human resource policy:** The principal shall assess the staff required for the subsequent academic year in April every year. The principal will collect the teaching and non-teaching staff requirement lists from the respective head of the department. In this regards the following cadres (Assistant Professor, Associate Professor & Professor) of Recruitment need to be done accordingly. The principal will formulate a selection committee for the recruitment process in each discipline, composed of the HOD, one senior staff member, and the department advisors/ experts.

**Recruitment and Promotion:** Vacancies are announced in newspapers and on the website, adhering to AICTE guidelines. The Board's Appointment Subcommittee conducts interviews, with promotions following AICTE norms and institution policies.

**Service Rules:** Employees abide by AICTE and government regulations, as well as Management's HR Policy. Academic Schema communicates university policies and disciplinary specifics to students and staffs.

In addition to these there are research policies, IT policy, Maintenance policy, environmental policies like getting green audit, usage of solar energy for solar lights, ramp for differently abled people and rainwater sewage collection.

In conclusion, Indira Gandhi Institute of Engineering and Technology (IET) have effectively deployed its institutional strategic plan, focusing on academic improvement, fostering entrepreneurship, and enhancing industry interaction. The successful implementation of initiatives like IEDC and IIC showcase the institution's commitment to producing industry- ready graduates. The well-structured administrative setup, guided by a variety of committees, ensures efficient operations and continuous development. Through its strategic deployment efforts, IET continues to thrive as a dynamic educational institution

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Institutional perspective Plan and deployment documents on the website	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.2.2

### *Institution implements e-governance in its operations*

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

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

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	<a href="#">View Document</a>
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	<a href="#">View Document</a>
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

### 6.3.1

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

**Response:**

**Faculty and staff welfare schemes have been defined while:**

- Creating a harmonious and conducive work environment for effective functioning of all the faculty and staff members across its campus.
- Ensuring high level of efficient and effective support system to meet the requirements of the faculty and staff.
- Ensuring compliance of the guidelines by the Government Statutory Bodies.
- Making IJET a competitive and lucrative place for work capable of attracting and retaining competent staff.
- Streamlining the administrative functioning of faculty and staff welfare issues.

The College has adopted measures to promote the welfare of the employees.

**Special measures are taken to recognize the needs of the female staff.**

- PhD Fee Waiver: The non-Ph.D faculty members are encouraged to enrol themselves for Ph.D programme.
- Cash rewards for indexed Publications: Provision for Award of cash incentive to the faculty members for publication of research papers in the reputed 'Research Journals' have been made.
- Study Leaves: There is a provision for the faculty members to avail higher study leaves including pursuing Ph.D from other Universities to avail study leave for attending their Ph.D course work.
- Fee Concession to wards of faculty/staff: IJET provides the benefits of fee concessions to the wards of faculty and staff members.
- Food courts and canteen facilities have been made available for food and refreshment.
- Excellent civic amenities and subsidized transport facility to the various destinations.
- Staff members were given PF and ESI allowances monthly.
- Conduct of Sports Tournaments for faculty members/non-teaching staff.
- Financial support to its faculty/staff members to participate in Faculty Development Programs, Staff Development Programs, Workshops, Conferences, Short Term Courses, Short Term Training Programs etc.

IJET has a policy in place to encourage, motivate and incentivize its team members to strive to excel in the outside environment in a whole lot of domains. The College does not confine to professional activities alone but treats achievements in cultural, societal, environmental, sports, performing arts on equal footing. The appreciations of laudable feats are itemized as under:

- One-time financial incentive
- Recognition at a College function.
- Weightage in annual appraisal forms.

IIET believes in investment in the people to have an enriched pool of teachers. To fulfil this:

- The implementation of policy of Participation of employees in Seminars/Conferences/Workshops/Training Programs/Short Term courses etc. is being governed by the standard operating procedures as outlined below.
- The teachers of College are allowed to attend seminars/conference/workshop etc. and be paid T.A. and delegation fee according to entitlement if the same has not been allowed by the hosting Institution/Organization.
- College employees permitted to attend the conferences etc. are treated on duty leave.
- The payment for attending seminar/conferences shall be made as per the following criteria:
  - For attending seminars/conferences, travel grant 100% by entitled class and delegate fee.

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

### 6.3.2

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

**Response:** 60.16

**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**

2022-23	2021-22	2020-21	2019-20	2018-19
28	31	23	29	40

File Description	Document
Policy document on providing financial support to teachers	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	<a href="#">View Document</a>
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 6.3.3

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

**Response:** 71.48

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

2022-23	2021-22	2020-21	2019-20	2018-19
40	48	48	39	28

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

2022-23	2021-22	2020-21	2019-20	2018-19
8	11	6	3	5

<b>File Description</b>	<b>Document</b>
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the certificates of the program attended by teachers.	<a href="#">View Document</a>
Annual reports highlighting the programmes undertaken by the teachers	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1

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

**Response:**

#### **MOBILIZATION**

IIET has transparent and well planned financial management systems. The resource mobilization policy of IIET focuses on achieving the goals and target of the institution ensuring accountability and transparency. Financial resources of the institution is mainly based on tuition fees, hostel fees and transportation fees which is used for the infrastructure requirement and academic activities while management meets the upcoming needs like providing financial supports to seminars, workshops and expert talks. The college provides e-grants to the deserving students. The financial resources provided from IEDC and NSS comes under government funds which are optimally used for which it is sanctioned. The harmonized governing body coordinates and monitors the optimal utilization of the funds for the promotion of learner centric ecosystem. IIET is a centrally managed institution with honorary governing body members which ensures the income generated is spent optimally in the institution itself.

#### **FINANCIAL AUDITS**

Transparency and accountability of IIET is ensured by conducting both internal and external audits regularly by the strong financial advisory board for management of accounts. On behalf of management, all the daily transactions are verified by the administrative officer of the college. The internal audits of management of accounts are done by the treasurer, periodically. They verify all the financial transactions and submit a detailed report of observation based on the details given by internal auditor. The administrative officer of the college modifies the statements of accounts. The management has appointed the associates as the external auditor of the management accounts. At the end of every financial year,

they prepare annual financial statements and audit reports. The internal audit is conducted once in the year. The external audit is conducted once in a year by C L Thomas B.SC., FC Chartered accountant.

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

## 6.5 Internal Quality Assurance System

### 6.5.1

**Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

#### Response:

The internal quality assurance cell of IIET gives advice and guidelines to the administration to maintain high quality work in academics and administration.

- The cell monitors the quality aspects of all the academic and non-academic activities of the institution. The cell works on various accreditation aspects.
- The composition of IQAC consist of Principal as chairperson, Trustees, IQAC co-coordinators, department HODs as members, administrative officer as office member, faculties and local body member, student representatives, alumni member and an industry member.
- The IQAC meets once in every quarter of year. The quorum for the meetings shall be two third of the total members. The agenda and decisions of the meetings are as follows,
  - The agenda of meetings conducted on the month of March is based on new admissions, budget analysis, recommendations on course file, internal exam, and question paper preparation.
  - The agenda of meeting held on the month of June is based on co attainment, analysis of university external audits and end semester exams.
  - The agenda of meetings held on the month of October is based on the discussion of e-audit, end semester exams, scrutiny of question papers and result analysis.
  - The agenda of meetings held on the month of December is based on, remedial classes, sports arts meet, co-curriculum & extracurricular activities, placements and next year plan.
- The agenda, minutes and action taken reports are documented with official signatures and maintained electronically in a retrievable format.
- The IQAC of IIET has 9 committees. Each of the committees analyses the corresponding work assigned to the committee every semester.
- The semester wise work report committee conducts attendance analysis of every semester. The semester end analysis of each semester enables to identify the best performing students and the

students requiring extra care.

- The series test analyzing committee ensures the question paper patterns are on the basis of Bloom’s Taxonomy. The analysis of series test result is also done by the committee.
- In order to verify the course files and lab manual, there is a lab manual and course file committee.
- IQAC ensures the discipline of students in the college with the help of student disciplinary and anti-ragging committee.
- The project screening committee under IQAC verifies the project works done by the students and there is a feedback committee to collect the students and faculty feedback.
- The feedback from alumni is also collected and analyzed and necessary actions are taken.
- To identify the internship and industrial activities there is an IIC &IEDC cell.
- Incremental improvements are recorded for the following parameters
- Placements pass percentage, number of admissions, co-curricular and extra-curricular activities for students, PhD completed faculty, Research publications for teachers.
- The documentation of all the details regarding the examination and the overall analysis of the result is done by the Exam cell. The placement committee identifies all the placement activities of the college.
- With the help of all these committees IQAC ensures the quality of academics in the college.

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

### 6.5.2

**Quality assurance initiatives of the institution include:**

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

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



<b>File Description</b>	<b>Document</b>
Quality audit reports/certificate as applicable and valid for the assessment period.	<a href="#">View Document</a>
NIRF report, AAA report and details on follow up actions	<a href="#">View Document</a>
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	<a href="#">View Document</a>
Link to Minute of IQAC meetings, hosted on HEI website	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1

**Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.**

*Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words*

#### **Response:**

IIET promotes gender equity and ensures equal rights for both gents & ladies. We have a women empowerment cell, which focuses on empowering women socially, economically, politically and legally with a focus on promoting decision making.

In order to improve mental strengths among girls IIET has conducted women empowerment cell programme known as unstoppable colleens, organized by department of civil engineering on February 3, 2020, 2 P M at seminar hall. Ms Najila T A (black belt, kyu martial art karate in Shinto ryu) has led the programme. The hostel day was celebrated on 7th February 2022 at seminar hall. Principal Dr. S.Senthil Kumar has inaugurated the function. It is celebrated every year separately for boys and girls to give equal opportunity and to promote their talents.

Sports events and games are being celebrated annually and encouraging the women to participate in all sports events. We have celebrated sports day on 7&8 march 2022. Dr. Siyad K P, CEO - IIET inaugurated the event and distributed medals and certificates to encourage the participants.

IIET celebrates women's day every year as a part of women empowerment. Dr. S. Senthil Kumar, Principal, IIET inaugurated the programme and Mr. Athul K S - Asst. Professor, Dept of Basic Science shared his thoughts about gender equality. It has been celebrated on 9th March 2021 at library hall. IIET has also celebrated women's day program on 08/03/2022 organized by women empowerment cell. Dr. Mariya Baiju, St Joseph hospital, Kothamangalam has inaugurated the function. IIET has also celebrated women's day program on 08/03/2022 organized by women empowerment cell. IIET gives priority to celebrate Mother's day every year. Shalu Assis, Asst. Professor, Dept of civil Engineering has given a message to the students. To get an awareness of cancer, we have conducted "breast cancer awareness" programme for the women in IIET for the past five years. Dr Liza Thomas, of St Joseph's Dharmagiri hospital, Kothamangalam delivered a speech about breast cancer awareness on 4th October 2021.

To build a stronger and more prosperous nation, IIET celebrates Republic day every year on January 26th, Dr S Senthilkumar inaugurated and shared a speech about patriotism.

IIET celebrates Independence day by hoisting the flag. We conduct parade and patriotic song on this occasion. K M Pareeth, Chairman IIET has inaugurated the function

Gandhi Jayanti is being celebrated on 2nd October every year. A distinguished guest is invited every year to give a message about ahimsa.

As a tribute to Dr. S Radhakrishnan, the great academic philosopher and one of the most well-known diplomats, scholar, President of India and above all a teacher; IJET celebrates teachers day every year on 5th September. Principal Dr. S Senthil Kumar inaugurated the function, which has been conducted on 6th September 2022.

IJET celebrates world environmental day every year to promote the importance of our environment. Under the guidance of Vice Principal of MBITS, Mr Paulson Peter, we have conducted a cleanliness drive in the campus on 5th June 2021.

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

### 7.1.2

**The Institution has facilities and initiatives for**

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

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

File Description	Document
Policy document on the green campus/plastic free campus.	<a href="#">View Document</a>
Geo-tagged photographs/videos of the facilities.	<a href="#">View Document</a>
Circulars and report of activities for the implementation of the initiatives document	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 7.1.3

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

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

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

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	<a href="#">View Document</a>
Policy document on environment and energy usage Certificate from the auditing agency	<a href="#">View Document</a>
Green audit/environmental audit report from recognized bodies	<a href="#">View Document</a>
Certificates of the awards received from recognized agency (if any).	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 7.1.4

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

**Response:**

IIET provides an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities. Different cultural activities organized inside the college promotes harmony towards each other. Institution celebrates the regional festivals and cultural events like international yoga day, Onam, Christmas, Holi etc. The yoga day is celebrated every year in the during the month of June. In the previous year the yoga day was inaugurated by the Principal Dr. S Senthil Kumar. The harvest festival Onam is celebrated every year by the students and management. Institution provides “Onam Sadhya” and conducts different games related to Onam festival. Mr. Paulson Peter Vice Principal of MBIT has inaugurated the function. Annual festival Christmas is celebrated every year in the month of December, Principal Dr. S Senthil Kumar inaugurated the event and distributed cakes to staff and students. The national festival Holi is celebrated every year in the month of march, CEO Dr. Siyad K P has given the message about Holi during the year 2021-22.

Kerala Piravi is being celebrated every year by IIET on November 1. All members of IIET honored the day by wearing traditional attires. Iftar meet is conducted to celebrate the togetherness and harmony among the students and faculties irrespective of religion. IIET conducts college day to bring out the

talents of students and to promote the extra-curricular activities among the students.

NSS unit has organized skit to promote communal and socio-economic messages. Blood donation camp “Jeevani” has been conducted by NSS on 10/1/2022. Sensitization of students and employees of the institution to the constitutional obligation is done through curriculum as well as through extra-curricular activities. IJET has conducted a seminar on “Cyber-crimes and information technology act” on 04/11/2018 at seminar hall. Students can understand various concepts related to cybercrime, cyberspace, Indian IT act etc. The seminar has been presented by K P SIDHEEK, SI of police, Shastampara police station. NSS unit of institution conducts cleanliness drive to mark the occasion of Swachh Bharath Abhiyan in the college campus as well as in the nearby village area on 12th November 2021. An oath is taken by all students and faculties to keep their surroundings clean. Ms. Geethika G Pillai NSS coordinator in IJET gave the instruction to all the students. Also, many skits and dance performances are presented in various events related to sensitization of constitutional obligation. Various topics covered include corruption, child labor, negative influences of society on our passion and dreams, mental health etc. Seminar and workshops are conducted by IJET, on the days of national importance on various rights, duties and responsibilities of citizens. Also, every year police personnel are invited to share their experience and inspire and motivate young minds to contribute in building the nation. Seminars on the topic like right to information, sexual harassment are conducted periodically.

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

## 7.2 Best Practices

### 7.2.1

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

**Response:**

#### **1. EARN WHILE THEY LEARN**

In pursuit of holistic student development, our institution has introduced a groundbreaking initiative known as "Earn While They Learn." This initiative aims to enhance the knowledge, communication skills, and self-esteem of our final year B.Tech students while simultaneously offering financial remuneration. Moreover, it serves as a bridge between diploma-level and higher technical education, fostering a collaborative learning environment beneficial to both parties involved.

**Objectives:**

The primary objective of this initiative is multifaceted: to empower B.Tech students financially, enhance their academic and interpersonal skills, and incentivize diploma students to pursue higher education.

Recognizing the financial constraints faced by many students, particularly those from economically disadvantaged backgrounds, this initiative provides a means for them to become self-reliant while pursuing their education.

**Context:**

"Earn While You Learn" not only addresses financial needs but also nurtures confidence and efficiency among students. By engaging in teaching roles, students gain practical experience, discipline, and dedication, which are invaluable assets in their future careers. The initiative aligns with the evolving demands of the industry, where practical knowledge and problem-solving skills are highly prized.

**The Practice:**

Implemented seamlessly within our integrated campus, this initiative entails B.Tech students teaching first-year polytechnic students subjects aligned with their academic disciplines. Each department allocates one hour per week for these sessions, allowing flexibility without disrupting the academic schedules of either group. B.Tech students receive compensation for their efforts and are provided transportation to the polytechnic campus.

Classes conducted by B.Tech students emphasize interactive teaching methods, real-world applications of concepts, and mentorship opportunities. This approach fosters a conducive learning environment where polytechnic students feel comfortable asking questions and seeking guidance from their peers. Furthermore, it enhances the teaching students' understanding of the subject matter and hones their soft skills, such as communication and leadership.

**Evidence of Success:**

The impact of this initiative is evident in various aspects of student development. Not only does it alleviate financial burdens, but it also improves attendance rates and academic performance. Feedback from both B.Tech and polytechnic students has been overwhelmingly positive, highlighting improvements in communication skills and a deeper understanding of subject matter.

Success is also reflected in enhanced career prospects for participating students, as well as a greater inclination towards teaching as a profession. Furthermore, the initiative promotes self-directed and collaborative learning, preparing students for the challenges of the workforce.

**Problems Encountered and Resources Required:**

Despite its success, the initiative has faced challenges, including initial student reluctance and resource constraints. However, through effective communication and demonstration of the benefits, these obstacles were overcome. Additional investments in resources, such as reference books, were necessary to support the teaching activities adequately. Moreover, addressing initial skepticism from polytechnic students required patience and persistence.

Continuous evaluation and feedback mechanisms are crucial for refining and improving this teaching approach, ensuring its long-term sustainability and effectiveness.

In conclusion, the "Earn While They Learn" initiative embodies our commitment to holistic student

development and innovation in education. By empowering students financially, academically, and professionally, it lays the foundation for a more inclusive and vibrant learning community.

## **2. INDIRA GANDHI SMILES**

### **Objectives:**

The Indira Gandhi Smiles initiative aims to promote oral hygiene and prevent oral diseases among students and staff. By facilitating regular dental checkups and educational seminars, the initiative seeks to improve dental health behaviors and overall well-being. Additionally, it endeavors to create awareness about the importance of oral hygiene and its impact on both appearance and quality of life.

### **Context:**

Under the mandate of our institution, biannual oral checkups are compulsory for all students and staff members. Initially challenging due to logistical constraints, the practice was successfully implemented with the support of Indira Gandhi College of Dental Sciences, conveniently located adjacent to our campus. Recognizing the pervasive neglect of dental health due to time and financial constraints, the initiative underscores the significance of oral hygiene in preventing systemic health problems.

### **The Practice:**

The initiative involves scheduling dental treatment slots every six months to accommodate all students and staff. Collaborating with dental college students, seminars are conducted to address doubts and provide motivational talks on oral hygiene. Free checkups and mouth cleaning services are offered, with additional treatments available at nominal fees. Regular visits to the dental college ensure comprehensive oral health care for all participants.

### **Evidence of Success:**

Post-implementation surveys reveal a significant increase in the percentage of individuals brushing twice daily and visiting the dental college for checkups. The initiative has effectively integrated lifestyle-related disease education, including dental health, into our occupational setting. Medical students' involvement has proven instrumental in improving participants' dental health, with overall satisfaction and knowledge enhancement observed among members.

### **Problems Encountered and Resources Required:**

Initial reluctance among students was overcome through educational sessions, highlighting the importance of oral hygiene. Negotiations with dental professionals resulted in free basic checkups and affordable treatments. However, the need for regular replacement of dental hygiene products poses a challenge, necessitating the provision of free brushes, tongue cleaners, and dental floss to participants.

In conclusion, the Indira Gandhi Smiles initiative embodies our commitment to holistic well-being and underscores the symbiotic relationship between dental health and overall health. Through collaborative efforts and resourceful strategies, we strive to ensure accessible and comprehensive oral care for our educational community.

File Description	Document
Best practices as hosted on the Institutional website	<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:**

#### **Technical Teachers Training**

Unlike schools and colleges where a certification or diploma or even a degree to teach certain subject is mandatory, engineering colleges do not have this provision. Nor is there any serious attempt made either on the part of institutions or individuals towards professional development. It is in this context there is a greater need for training programs, workshops, and conferences which aim at equipping the teacher with new approaches to teaching, breakthroughs in pedagogy and providing insights into learning and teaching styles besides giving new recruits the much-needed exposure to the art and science of teaching.

In IIET it is mandatory for every faculty member to complete a teacher's training program. Every faculty member who joins IIET should complete a training course in Indira Gandhi's technical teachers training center and should be awarded a certificate from there. Also conducting motivation class for the existing staff.

Once the teacher is appointed should attend a training class that has been taken by the Principal of the technical teachers training center. Last year it has been taken by the Principal Dr. Viji Ramakrishnan. Total duration of the course is 15 days (i.e., 1 hour per day).

To develop new innovative short term and long-term programs by collaborating with universities and institutes of higher learning for developing teachers to meet the requirements of engineering institutions IIET invites well known academic professors with the help of the principal of technical teachers training center.

Microteaching technique is also used for the development of the newly joined faculty members. Micro-teaching skills include

- The Skill of Introduction.
- The Skill of Explaining.
- The Skill of Questioning.
- The Skill of Stimulus Variation.
- The Skill of Reinforcement.
- The Skill of Illustration.



- The Skill Of Blackboard Writing.
- The Skill of Achieving Closure.

So the teacher can reviews a recording of a teaching session, in order to get constructive feedback from peers or students about what has worked and what improvements can be made to their teaching technique.

Most teachers think that preparation is reading the subject to be dealt with. They work on what to say. They do not look at ‘how to’. They don’t plan their interaction either.

Humor is the forte of a few teachers only. Training programs focus on thrust areas. Instead of scratching the surface of too many areas, training programs should aim at giving a reasonably long exposure to areas like classroom management, time management, work-life balance, soft skills for educators, communication techniques, non-verbal cues, stress busters, grammar & usage, motivation techniques, counselling, effective use of humor in teaching and the like.

Types of teaching methods include differentiated instruction, lecture-based instruction, technology-based learning, group learning, individual learning, inquiry-based learning, kinesthetic learning, game-based learning and expeditionary learning. Training programs help avoid pitfalls like bad manners, excessive control, improper use of pedagogical aids, inept PPTs, bloopers, and sagging morale. These programs go a long way in enriching the educators with new techniques, tricks, tips, methods, processes and procedures, and to cap it all, inspiration, giving them the strength to face one more academic year.

We could realize that the training program was very effective for the IIET because those who have awarded certificate from technical teachers training center has got great feedback than the existing faculty members of IIET. By this training most of the lectures are able to take classes on complex theories, principles in much more interesting way. This is evident from the increasing attendance percentage of the students.

We have a syllabus for technical teachers training program. It is given below.

Program: FACULTY TRAINING PROGRAMME	
Course Category: Teacher’s training	
Periods per week: 5	Total duration: 15 days

**Course Objectives:**

To design and develop training programs for the faculty members of engineering college

**Course Outcomes:**

Course outcome	Description	Duration (Hours)
1	To develop new innovative short term and long-term programs by collaborating with universities and institutes of higher learning for developing teachers to meet the requirements of the engineering institutions.	3

2	To develop different types of teaching methods to teachers	4
3	To undertake research and development in engineering & technology. Interactive session with experienced faculty members of well-known colleges.	3
4	To develop micro-teaching skills	5

**Contents:**

1. This area has been included in the curriculum to achieve advanced learning in the areas psychology, technology and methodology and its integration with practice to facilitate capacity building among student-teachers. The knowledge and competencies acquired by the trainee during the entire course remains as the base of this course. The mode of learning proposed is guided self-study. The study has to be initiated/progressed by the student-teacher mainly through self-effort by reference study, collecting study materials from web site, peer assistance, scaffolding, universities, higher educational institutions ,guided study etc.
2. Types of teaching methods include differentiated instruction, lecture-based instruction, technology-based learning, group learning, individual learning, inquiry-based learning, kinesthetic learning, game-based learning and expeditionary learning. Microteaching technique is also used for the development of the newly joined faculty members.
3. Definition of research, role and objectives of research, applications and types of research, research process and steps in it. To invite well known academic professors with the help of the principal of B.Ed. training center.
4. Micro-teaching skills include <ul style="list-style-type: none"> <li>• The Skill of Introduction.</li> <li>• The Skill of Explaining.</li> <li>• The Skill of Questioning.</li> <li>• The Skill of Stimulus Variation.</li> <li>• The Skill of Reinforcement.</li> <li>• The Skill of Illustration.</li> <li>• The Skill of Blackboard Writing.</li> <li>• The Skill of Achieving Closure.</li> </ul>

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

---

### **Additional Information :**

..

### **Concluding Remarks :**

IIET has been functioning in the time with the vision and mission of the Institute to develop the student community capable of contributing to society through innovation and creativity. The governance of the Institution is poised towards student development with the support of its efficient and effective leadership and faculty members. The management believe in meticulous planning, effective implementation, obtaining feedback and provide the necessary support and facilities. The faculty members contribute to the fullest under the efficient leadership of their Principal. All short term and long term goals are deployed and monitored for moving towards its achievement. The function committee have been constituted to perform its role and responsibilities with at most dedication and involvement. Programmes related to academics, co- curricular and extra curricular activities are being regularly organized as planned. IQAC function for quality assurance through institution and internalization. Regular feedback on all aspects from all stakeholders are being collected, analyzed and action initiated. Value addition in terms of online courses, placement training career counseling are ensured for continuous improvement and life long learning. Examination Evaluation is being taken care by a separate cell to ensure transparency and effectiveness.

To sum up it can be stated that the institution has been functioning in the right stride towards its goals and objectives in order to fulfill the requirements of the students, faculty members, alumni and other external stakeholders. The institution requires and deserves all the support and encouragement of all stationary bodies and councils to reach better heights in future.