

# **SELF STUDY REPORT**

**FOR**

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

## **ASHOKA INSTITUTE OF ENGINEERING AND TECHNOLOGY**

ASHOKA INSTITUTE OF ENGINEERING TECHNOLOGY,  
MALKAPUR(V),CHOTUPPAL(M),YADADRI BHUVANAGIRI((D)-508252.

508252

[www.ashoka.ac.in](http://www.ashoka.ac.in)

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**(Draft)**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

- Ashoka Institute of Engineering and Technology(AIET) was started in 2009 under Ashoka Sailaja Educational Society, Hyderabad, Telangana.
- Ashoka Institute of Engineering and Technology currently offers five engineering programs Computer Science & Engineering, Electronics and Communication Engineering, Electrical & Electronics Engineering and Mechanical Engineering and Civil Engineering and and PG programmes MTech in CSE,VLSI,Machine Design and Structural Engineering. AIET believes in competency building of students by empowering teachers and creating opportunities for the students to explore. All initiatives at AIET are towards students “Doing Engineering” instead of just studying and faculty to facilitate the learners with the inspiration of the quotation “We are currently preparing students for jobs that don’t yet exist ... using technologies that haven’t been invented ... in order to solve problems we don’t even know what are problems yet.”—Richard Riley, former Secretary of Education, United States.
- AIET, as an institution, draws inspiration from their lives and seeks to live up to the values upheld by such noble souls.AIET believes that education is the soul of the society and aspires to contribute its mite towards academic progress.

### Vision

To be a leading institution of engineering education and research, preparing students for competencies to become confident about their careers and contribute to the society, leadership in their fields in a caring and challenging learning environment.

### Mission

- To enhance capabilities of faculty for facilitating courses with innovative pedagogy
- To enrich and equip the programs with relevant and updated curriculum
- To progress by implementing the best practices to the workforce needs as per emerging trends
- To provide industry Interaction for faculty and students to work on projects with end goal of real time knowledge

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

### Institutional Strength

- The university results are consistently good for all the disciplines.
- The institute has experienced and qualified faculty.
- Innovative teaching learning practices are followed.
- The institute conducts entrepreneurship development activities for encouraging development of entrepreneurial skills in the students.
- The institute has well equipped infrastructure facilities like State-of-the-art laboratories, classrooms,

tutorial rooms and hostels.

- A State-of-the-art central library is available with adequate titles and number of volumes.
- The institute is beautifully located and is well connected through roads and the railways.
- The institute promotes enthusiastic students' participation for social causes, through the NSS Programme.
- Institute promotes co-curricular and extra-curricular activities.

### **Institutional Weakness**

- The institute lacks sufficient patents.
- Consultancy activities need to be enhanced.
- The institute needs to strengthen the Alumni Association.
- The institute needs an University Sponsored Research Center

### **Institutional Opportunity**

- There is scope for inter-disciplinary research.
- The institute can venture into joint research and Ph.D programs with international universities; which may provide a platform for international exposure to both students and faculty.
- Industry interface
- Incubation centers

### **Institutional Challenge**

- Increasing the number of placements for slow learners.
- Student's skill need to be enhanced through additional measures as per the continuous changing
- Requirements of the industry.
- Due to the growing number of engineering institutes we need to attract academically good students.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

- College follows Outcomes-based education (OBE) to plan, deliver and assess curriculum as prescribed by Parent University. Teachers are given certification program in OBE. Certificate course beyond syllabus are offered to the students to enhance core skills. Around 2% of new courses have been introduced by the University. All the programs offered allow electives courses and Choice Based Credit System (CBCS).
- Courses like Gender Sensitization, Environment and Sustainability, Human Values and Professional Ethics are included in the curriculum. Apart from the courses in the curriculum, various activities are organized to focus on the socio cultural issues by clubs in the campus. Several types of value added courses are given to the students. Around 50% of the students have taken part in industry projects or internships. Structured feedback is taken on curriculum from students, parents, industry, alumni and teachers. The same is analyzed, action taken and report maintained.

## Teaching-learning and Evaluation

- Admissions are made as per the guidelines of the state government, telangana state. There are students from other state under management category. More than 60% enrollment was there in the last five years against the sanctioned seats. Out of which 50% of reserved category were filled. Several initiatives have been taken to address the needs of slow learners and advanced learners separately. All facilities are created for the physically handicapped students. Institution encourages teachers to use innovative pedagogies of teaching and learning. It is mandatory for all the teachers to use ICT in their teaching. Strong mentoring system is in place to deal with students individually. Teachers are recruited as per the norms by the AICTE and JNTUH. There are doctorate holders in all the departments. Average teaching experience of the teachers at ASHOKA is 7.5 years. 26.6% of the faculty are from other states in the last five years. Internal assessments are done as per the guidelines given by the university. Grievances related to exam branch are addressed and log record is maintained. Academic calendar is prescribed by the university. Internal exams are conducted as per the same calendar. Program
- Outcomes and Course Outcomes of all the courses are stated and displayed in website. Attainment of course outcomes and program outcomes is done as per OBE. Average pass percentage in the past five years is more than 40%.

## Research, Innovations and Extension

- Focusing on providing support to the many companies (start-ups and/or well established) the centre helps convert their inventive ideas into high quality student projects/ entrepreneurship concept. EPICS (Engineering Projects in Community Services) has successfully rolled out for two batches is the innovative way of making students to understanding the problems by interacting with real time local communities, trying to map with technical solutions through critical analysis and creating prototype solutions for real time problems. IPR awareness sessions are organized in addition to the regular content covered in the curriculum. Code of Ethics to check malpractices and plagiarism in Research is established. Institution provided the incentives in the form of Sponsorship research activities, On an average of 20 faculty and 120 students participated in 22 extended activities during last five years. 15 industry collaborative extension activities conducted in which two internationally recognized awards received. Around 16 papers and volumes have been published in national and international journals, several MoUs with national & international institutions and industries during the last five years. Various linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years.

## Infrastructure and Learning Resources

- All classrooms and laboratories are spacious with cross ventilation with equipment as prescribed by competent authorities. Sports facilities are provided and students are encouraged to take part in inter class, college, university and national competitions. 72% of the classrooms and seminar halls are equipped with ICT facilities. Around 37% of the total budget is allocated and spent on facilities other than salary component. ASHOKA library maintains all the books and journals are per AICTE norms. Digital access of resources is provided for teachers and students.
- Rare books are collected when faculty to network events. Institution has 100 MBPS internet connection to provide quality bandwidth to all the students in the labs and to the staff in the staffrooms and office.

There is one computer for every three students in the campus. Lecture capturing is facilitated using presentation tube tool. Around 10% of total budget is allocated for campus maintenance. The established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms

### **Student Support and Progression**

- Eligible students get financial support from government of Telangana state in the form of tuition fee reimbursement. Institution, from the society, waives fee to students based on their request and justification. Capability enhancement courses for competitive examinations, Career counseling, Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga and meditation, Personal Counselling are offered to all the four year students. 100% of the students benefited from the program organized. Institution maintains grievance addressing system having sensitive to student needs in its values. More than 50% of the students get placements during their final year and rest find careers within one year from then. Support for competitive exams and higher education is provided by Career Development Center (CDC). Two major sports events are organized in the campus and students are sent to various competitions. AIET organizes alumni meet twice a year and inputs from alumni are used for improvements in student learning process.

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

- Institution's vision and mission have been evolved with inclusive decision making. All the stake holders are involved in the vision, mission and values exercise. Freedom at every level of hierarchy is specified and accountabilities are frozen. ASHOKA carried out strategic planning with objective, SWOT analysis and action plan further. All actionable items are taken up by respective people for implementation. Administration is as per the organization chart. People report to their reporting heads and above them reviewing head oversee the administration. Operations in planning, development, administration, finance, student support, accounts and examinations are digitized. Several bodies are formed to review effectiveness of the activities carried out in the campus. There are faculty and student members present in the bodies. Faculty are given both professional and technical trainings to be on par with emerging trends and technologies and support students. Financial support is provided for faculty to attend such trainings externally also. Performance appraisal system is in place and followed for annual appraisals. Finances for the institution come from students' tuition fee, government funding for projects and alumni contribution. Finances are managed effectively by sanctioning impress authority for the staff based on their significance in the hierarchy and nature of works. Internal Quality Assurance Cell (IQAC) has been formed in 2015 and is functional in overseeing quality matters.

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

- Facilities for female students and staff are provided to feel comfortable during their regular hours in the campus. A course on Gender Sensitization is in curriculum. There are counseling rooms and common room for both male and female separately. Solid, liquid and e-waste is managed in line with green building standards.
- Rainwater harvesting pit is made to preserve ground water in the campus. All green practices to reduce pollution are adopted. Around 1.5% of the total expenditure is allocated for green initiatives. Facilities

for physically handicapped like lift, ramps, toilets, scribes and etc are provided in the institution. Several initiatives have been taken up based on location advantage and disadvantages. Code of conduct for staff and students is made available online in the college portal. Institute emphasizes on core its core values. Institution offers course on Human values and professional ethics. Events for promoting truth, love, non violence and peace are organized. Institution observes the birth and death anniversaries of great personalities. Institution maintains complete transparency in financial, academic and administrative functions. Entrepreneurship Development Cell (EDC) at ASHOKA becomes one institutional distinctiveness.

NAAC

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	ASHOKA INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	ASHOKA Institute Of Engineering Technolgy, Malkapur(V),Chotuppal(M),Yadadri Bhuvanagiri((D)-508252.
City	Hyderabad
State	Telangana
Pin	508252
Website	<a href="http://www.ashoka.ac.in">www.ashoka.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Associate Professor	Vaggu Nagesh	91-9246242022	9100933791	-	naac_ashoka@ashoka.ac.in
Principal	Mandadi Sreedhar Reddy	040-24551555	8008778777	040-24551301	secretary.ashoka@gmail.com

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

**Establishment Details**

Date of establishment of the college	29-06-2009
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**University to which the college is affiliated/ or which governs the college (if it is a constituent college)**

State	University name	Document
Telangana	Jawaharlal Nehru Technological University	<a href="#">View Document</a>

**Details of UGC recognition**

Under Section	Date	View Document
2f of UGC		
12B of UGC		

**Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)**

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	16-04-2018	12	

**Details of autonomy**

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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**Recognitions**

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



<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	ASHOKA Institute Of Engineering Technolgy, Malkapur(V),Chotuppal(M),Yadadri Bhuvanagiri((D)-508252.	Rural	26	26202.39

## 2.2 ACADEMIC INFORMATION

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<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,Computer Science Engineering	48	INTERMEDIATE	English	60	59
UG	BTech,Electronics And Communication Engineering	48	INTERMEDIATE	English	60	27
UG	BTech,Electrical And Electronics Engineering	48	INTERMEDIATE	English	60	12
UG	BTech,Civil Engineering	48	INTERMEDIATE	English	60	37
UG	BTech,Mechanical Engineering	48	INTERMEDIATE	English	60	8
PG	Mtech,Computer Science Engineering	24	BTECH	English	24	1
PG	Mtech,Electronics And Communication Engineering	24	BTECH	English	18	6
PG	Mtech,Civil Engineering	24	BTECH	English	24	24
PG	Mtech,Mechanical Engineering	24	BTECH	English	24	12

**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	4				8				77			
Recruited	4	0	0	4	5	3	0	8	57	20	0	77
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				42
Recruited	23	19	0	42
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				40
Recruited	27	13	0	40
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.	0	0	0	0	0	0	0	0	0	0
Ph.D.	4	0	0	5	3	0	3	1	0	16
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	54	19	0	73

<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.	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

<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.	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

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	2		1		3

**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
Diploma	Male	211	0	0	0	211
	Female	4	0	0	0	4
	Others	0	0	0	0	0
UG	Male	443	68	0	0	511
	Female	178	7	0	0	185
	Others	0	0	0	0	0
PG	Male	62	0	1	0	63
	Female	38	1	0	0	39
	Others	0	0	0	0	0

<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Programme</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	23	39	48	22
	Female	7	15	25	3
	Others	0	0	0	0
ST	Male	22	39	15	16
	Female	6	6	8	1
	Others	0	0	0	0
OBC	Male	76	104	88	37
	Female	34	32	39	9
	Others	0	0	0	0
General	Male	9	16	20	13
	Female	9	14	7	2
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
<b>Total</b>		<b>186</b>	<b>265</b>	<b>250</b>	<b>103</b>

### 3. Extended Profile

#### 3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response: 6	File Description	Document
	Institutional Data in Prescribed Format	<a href="#">View Document</a>

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	3	3	3	3

#### 3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
636	792	812	726	802

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

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

2017-18	2016-17	2015-16	2014-15	2013-14
325	325	325	409	351

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

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

2017-18	2016-17	2015-16	2014-15	2013-14
55	147	92	103	147



File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

### 3.3 Teachers

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

2017-18	2016-17	2015-16	2014-15	2013-14
118	118	169	169	136

  

File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

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

2017-18	2016-17	2015-16	2014-15	2013-14
118	118	169	169	136

  

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

### 3.4 Institution

#### Total number of classrooms and seminar halls

**Response: 51**

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

2017-18	2016-17	2015-16	2014-15	2013-14
397.13	350.49	421.29	213.07	271.94

#### Number of computers

**Response: 720**

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

##### 1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

##### Response:

The Institute is affiliated to Jawaharlal Technological University, Hyderabad and follows the curriculum prescribed by the university. An action plan for timely implementation of syllabus is formulated by the establishment to make sure effective delivery. An educational committee consisting of Heads of varied departments and headed by the Principal prepares policies when strategizing the most effective strategies to implement the syllabus with success.

All departments prepare tutorial calendar as per the schedule given by the university together with alternative activities like department association hours, frame categories, remedial categories, seminars, tutorials, industrial visits, guest lectures, workshops, college and students development programs.

All instructors get ready course records as indicated by characterized structure, which incorporates:

- Academic calender
- Class and individual time tables
- Syllabus, course outcomes, results and rundown of books
- Teaching plan
- Subject notes and e-substance
- University's past examination question papers and model arrangements
- Unit-wise inquiry bank (emotional/objective)
- Assignments
- Previous three years results
- Monthly participation
- University end semester Examination and unit test and fundamental examination question

papers with answer key, understudies participation, result examination and test answersheets

- Remedial classes' records
- Internal Continuous Assessment (ICA)/term-work marks
- Copy of understudy's criticism
- Academic Monitoring Committee (AMC)/Internal Quality Assurance Cell (IQAC) evaluate the course documents of instructors and propose vital amendments, whenever required

Availability of classrooms and research facilities is guaranteed for viable exchange of educational modules

#### **Exercises amid the semester:**

Foundation conducts acceptance program for recently conceded understudies to comprehend the scholastic culture of the establishment, educational programs standards for ISE and ICA, University examination example and set of principles Theory and Practical sessions begin as indicated by time table and instructing plan

#### **Mentor-mentee gatherings are led fortnightly**

Audit of understudy's participation is taken toward the finish of consistently and defaulters' rundown of understudies alongside their participation is shown on the notice board and the equivalent is imparted to the guardians through SMS and letters

The audit of syllabus is taken thrice in a semester and additional addresses are orchestrated, whenever required Online understudy's input of instructing is taken twice in a semester and remedial activities are started likewise

College end semester Examination is directed twice in the semester. The consequences of ISE are broke down and conveyed to the understudies and guardians. Therapeutic classes/retests are led for weaker understudies/moderate students

Parent meet is led once in a semester for the correspondence of understudy's advancement and to take scholarly criticism

Nonstop Assessment (CA) is led all through the semester

Exercises at end of the semester:

Starter exam and deride Practical Exam ( are directed before college examinations University end semester Examination/ICA marks are informed to understudies and submitted to JNTUH

Results of the semester exercises are dissected and remedial activities are proposed for the following semester

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

### 1.1.2 Number of certificate/diploma program introduced during the last five years

**Response:** 35

#### 1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
11	9	7	4	4

File Description	Document
Minutes of relevant Academic Council/BOS meetings	<a href="#">View Document</a>
Details of the certificate/Diploma programs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

**Response:** 133.1

#### 1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
97	61	11	10	10

File Description	Document
Details of participation of teachers in various bodies	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

**1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years****Response:** 33.33

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

Response: 2

File Description	Document
Details of the new courses introduced	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented****Response:** 100

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

Response: 3

File Description	Document
Name of the programs in which CBCS is implemented	<a href="#">View Document</a>
Minutes of relevant Academic Council/BOS meetings.	<a href="#">View Document</a>

**1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years****Response:** 36.64

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
214	423	300	120	342

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	<a href="#">View Document</a>

### 1.3 Curriculum Enrichment

#### 1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

**Response:**

Sl.No	Course	Description
1	Professional Ethics & Human Values	The Essential concepts of ethics for smooth functioning of society. Topics such as professionalism and gender equality are discussed.
2	Environmental Studies	Environment as a closely knit ecology and balance, interrelation. human intervention is disrupting pristine environment and how to
3	Disaster Management	This course offers the capability to integrate information and to events at native and international levels, even once restricted data. the environmental, social, cultural, economic, legal, and structural helps within the style and performs analysis on the various aspects. the potential and limitations of science, its role in society and people.
4	Environmental Pollution and Control	Environment as a closely knit ecology and balance, interrelation. human intervention is disrupting pristine environment and how to
6	Green Technologies	Several alternative methods which have least negative impact on be enriched are discussed.
7	Gender sensitization	This course introduces to develop students sensibility regarding p men and girls. It educates students regarding some key biological politics and social science of labor and additionally facilitate s sensitized to basic dimensions of the biological, social science discussion of materials derived from analysis, facts, standard of discrimination works in our society and the way to counter it. Me along as equal persons. All students develop a way of appreciation follows reservation policy for lady students
8	Soft Skills	Inter personal skills and transferable skills are inculcated into the writing skills are discussed
9	IPR and Patents	An understanding of the intellectual properties and the process of

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

### 1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

**Response:** 30

#### 1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 30

File Description	Document
Details of the value-added courses imparting transferable and life skills	<a href="#">View Document</a>
Brochure or any other document relating to value added courses.	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.3 Percentage of students undertaking field projects / internships

**Response:** 94.81

#### 1.3.3.1 Number of students undertaking field projects or internships

Response: 603

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

## 1.4 Feedback System

### 1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise

**A.** Any 4 of the above

**B.** Any 3 of the above

**C.** Any 2 of the above

**D. Any 1 of the above****Response:** A.Any 4 of the above

<b>File Description</b>	<b>Document</b>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

**1.4.2 Feedback processes of the institution may be classified as follows:****A. Feedback collected, analysed and action taken and feedback available on website****B. Feedback collected, analysed and action has been taken****C. Feedback collected and analysed****D. Feedback collected****Response:** A. Feedback collected, analysed and action taken and feedback available on website

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



## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Average percentage of students from other States and Countries during the last five years

**Response:** 3.92

##### 2.1.1.1 Number of students from other states and countries year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
06	12	55	01	82

#### File Description

#### Document

List of students (other states and countries)

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

#### 2.1.2 Average Enrollment percentage (Average of last five years)

**Response:** 46.33

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

2017-18	2016-17	2015-16	2014-15	2013-14
214	423	337	186	374

##### 2.1.2.2 Number of sanctioned seats year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
594	594	834	834	606

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

**2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years****Response:** 45.27

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

2017-18	2016-17	2015-16	2014-15	2013-14
112	199	195	78	181

**File Description****Document**

Institutional data in prescribed format

[View Document](#)**2.2 Catering to Student Diversity****2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners****Response:**

Understudies are conceded at First Year and Direct Second Year through parallel passage, subsequent to qualifying 10+2 and Diploma examinations separately. At first, learning levels of understudies are distinguished based on qualifying examination score.

system helps to recognize slow learners & advance learners.

**Students are identified based on:**

- Performance in Intermediate scores
- Performance in Aptitude test taken in the first 15 days after joining.
- EAMCET rank of the student.

**Weightage:**

1. Intermediate scores: 30%
- 2 EAMCET rank: 20%
- 3.Aptitude test: 50%

**Strategies adopted for facilitating Slow Learners:**

For every 10 students, 2 to 3 are generally found to be slow learners. The student mentor assesses the nature of their problems and then motivates them in a friendly way to achieve their academic goals.

Additional classes like Bridge courses are organised to clarify doubts and reexplaining of difficult topics for enhancing performance. Appropriate counseling with additional care, eventually helps to attend classes regularly.

### **Strategies adopted for facilitating Quick Learners:**

Quick learners are identified through their active participation in class room and performance in examination, their basic knowledge, concept understanding and articulation abilities etc., The Institute promotes self-determining learning that contributes to their academic and career development.

Sources of info are taken from mentors in regards to learning capacities of their wards by calling guardians by and by and sent through messages, which is one of a kind culture of the establishment.

AIET has built up an instrument of ceaseless assessment of understudies under which execution of understudies in useful sessions, classroom associations, college end Semester Examinations is evaluated on consistent premise.

Subject educators, Mentorss and CCs examine about generally speaking execution of the understudies and after that distinguish their learning levels either as cutting edge or moderate students. As needs be class-wise measures are taken to upgrade learning abilities of understudies.

**For Advanced Learners:** The organization offers open doors for researcher understudies to increase their ability and address learning issues.

For recently conceded understudies

They are supported by Mentors, CCs and HoDs Special consideration is given by every one of the educators towards these understudies amid commonsense and instructional exercise sessions

- Extra books are accommodated their reference
- Additional assignments are given
- They are urged to elude NPTEL Videos, e-books and programming modules
- To embrace lab advancement, interdisciplinary and supported activities
- To complete research and distribute their work
- To take-up NPTEL courses, talked instructional exercises and online confirmations
- To lead understudies' affiliations and compose diverse exercises
- To get ready for Competitive exams, GATE and higher investigations

- To Value Addition Programs

**Moderate Learners:** The establishment takes due consideration of the understudies with lower learning abilities and works on following exercises:

- Special guiding of such understudies is finished amid tutor meet and issues are talked about with guardians independently.
- Model arrangements of UESE are given to these understudies.
- Remedial classes and self learning sessions for higher classes are masterminded past working timetable.

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

### 2.2.2 Student - Full time teacher ratio

**Response:** 5.39

### 2.2.3 Percentage of differently abled students (Divyangjan) on rolls

**Response:** 0

#### 2.2.3.1 Number of differently abled students on rolls

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

## 2.3 Teaching- Learning Process

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

**Response:**

**Response**

Vision and statements of purpose of the foundation center on experiential and participative learning by joining PBL show in instructing learning process. PBL exercises are a piece of scholarly schedule. To successfully outline and exercise understudy driven exercises, instructors are roused to experience Short Term Training Programs, Faculty Development Programs, NPTEL and online courses. Educators are enabled through workshops on PBL, compelling showing learning approaches and are elevated to join

these practices in standard instructing.

Organization has figured CIE standards which assist understudies with earning extra stamps for support in PBL exercises. Additionally understudies are elevated to experience UG-association for their temporary position at outside universities, which enhances self learning abilities.

Itemized learning exercises are depicted beneath:

- Experiential Learning
- Students experience in-plant preparing in ventures and present contextual analyses.
- Industrial visits are masterminded on normal premise.
- Final year understudies visit enterprises to discover the issue articulations for their undertaking work.
- Well custom-made understudy advancement programs under VAP are orchestrated by particular offices according to thirst of industry. These projects incorporate preparing and hands-on sessions.
- Students direct meetings of business people to get the experiences of innovative exercises.

### **Participative Learning**

- The found composes diverse exercises for understudies and also elevates them to take an interest in different rivalries held at neighborhood, national and universal levels.
- The exercises sorted out by foundation incorporate Student Development Programs, Workshops, Conferences, Technical celebrations and task rivalries.

Understudies have achieved obvious positions in IIT Techfest Solar Vehicle: Design and Racing Competition. Additionally, various understudies have won prizes at various specialized rivalries and task displays directed by various organizations.

Understudies are educated about such rivalries through various ads, battles and dialogs in mentor mentee meet. Further, found encourages understudies by offering round the clock offices of workshop, research centers, library and Wi-Fi.

### **Critical thinking Methodologies**

Second and third year understudies attempt PBL, through lab advancements and smaller than usual activities wherein understudy bunches embrace plan and improvement of little ventures/models in light of their learning.

Understudies are encouraged to chip away at continuous issues by taking supported modern tasks and interdisciplinary undertakings.

Last year understudies are encouraged to attempt review for recognizing societal issues that can be tended to through innovation applications and developments for their tasks.

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

### 2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

**Response:** 98.31

#### 2.3.2.1 Number of teachers using ICT

Response: 116

File Description	Document
List of teachers (using ICT for teaching)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Provide link for webpage describing the " LMS/ Academic management system"	<a href="#">View Document</a>

### 2.3.3 Ratio of students to mentor for academic and stress related issues

**Response:** 0.67

#### 2.3.3.1 Number of mentors

Response: 943

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

### 2.3.4 Innovation and creativity in teaching-learning

**Response:**

**Reaction:**

Instructors are urged to go to FDPs and STTPs worried about successful encouraging learning techniques led by presumed establishments. Foundation additionally gives offices required to taking on the web

courses directed by IITs and ISRO where understudies and educators take part alone. Contributions from Center for Research and Development (CRD) and IQAC are joined in educating learning process on customary premise.

At AIET, educators and understudies are urged to utilize ICT offices for powerful instructing learning.

Foundation is empowered with adequate web transmission capacity of 100 Mbps and number of PCs to provide food the necessities of understudy learning. NIT Warangal to go about as neighborhood tutors to advance ICT based viable showing learning systems in the nearby area.

Whole instructing learning process at the establishment encourages understudies and instructors to secure abilities that enable them.

Organization has accepted after activities as standard practices for understudies:

Understudies take an interest in ICT based learning through online courses encouraged by NPTEL, ISRO, Spoken Tutorial, and so on. Understudy bunches embrace LCD introductions in classrooms on later mechanical advancements. Employees incorporate recordings, movements and contextual investigations in their educating by coordinating the accessible varying media helps.

FTP server is built up to encourage access to course material. MOODLE server is utilized to assess understudies' advancement. Likewise Students transfers recordings of assignments and venture chip away at their web journals.

Business Development Cell (EDC) orchestrates discusses rousing business people to influence the understudies to comprehend the need of advancements and imagination in learning. Understudies are made obligatory to set up the contextual analyses on various sorts of business people, for example, male, female and social business visionaries. This causes them to comprehend the qualities of business enterprise.

Understudy groups attempt lab-development extends each semester. This gives a stage to practice their innovative thoughts through arrangement of models and collaboration.

Imaginative system of flip classroom is utilized in educational modules conveyance, in view of Think-Pair-Share strategy.

To upgrade the learning condition, establishment has created savvy classrooms Teachers direct specialized tests toward the finish of each Unit and understudies effectively takes part in the equivalent.

Instructors outline pretend based assignments to upgrade learning of understudies.

Specialized discussions, assemble dialogs and meetings to generate new ideas are masterminded by Student relationship through various rivalries.

Understudies give oral introductions to enhance their General Proficiency.

Creative rivalries are included specialized occasions.

Understudies learn without anyone else by taking an interest in national level task rivalries, for example, HACKATHON, RoboCon, Solar Vehicle, and so forth.

Mind mapping system is executed to disentangle learning.

Coaches deal with the understudies' inclusion and advancement in every one of these exercises and normal updates are conveyed to guardians.

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

## 2.4 Teacher Profile and Quality

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

**Response:** 100

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

### 2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

**Response:** 17.81

#### 2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
16	30	13	43	23

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>



**2.4.3 Teaching experience per full time teacher in number of years****Response:** 0.04

## 2.4.3.1 Total experience of full-time teachers

Response: 4.942

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

**2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years****Response:** 3.52

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

2017-18	2016-17	2015-16	2014-15	2013-14
01	00	01	01	02

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

**2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years****Response:** 28.16

## 2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
35	82	32	21	14

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

#### Response:

#### Assessment and analysis process:

There are two categories of system.

1. University outlined
2. Institute outlined

The college follows pointers of national leader Technological University, Hyderabad for internal evaluation and assessment procedure. For college UG programs, the institute conducts 2 mid-exams of twenty five marks every, comprising 10 marks for descriptive, 10 marks for objective and 5 marks for assignment. The common marks of each examination are thought-about as final mid-marks. End semester examination is for 75marks that is conducted by the university. For the post-graduate program, the institute conducts 2 mid exams of twenty five marks every as per university norms, and therefore the finish semester examination is for seventy five marks that is conducted by the university.

After completion of the interior examination, the college evaluates the solution scripts and distribute to the students for doubt clarifications or re-correction. The college submits the re-corrected scripts to the examination branch and marks are displayed on the board. Then the principal conducts a gathering with HODs to debate the students' performance and necessary action arrange for additional improvement. For laboratory analysis for below graduate (Regulation-15& Regulation-16), the institute conducts a laboratory internal for twenty five marks. It is divided into 10 marks for the written test, and fifteen marks are assigned for every day performance within the laboratory. External lab-examination is conducted for fifty marks as per R-15 regulation and seventy five marks as per R-16 . CCTV cameras are deployed in the slightest degree category rooms, test cell and laboratories to watch the online examinations. every department has Examination organizer for swish physical phenomenon of Internal Tests. The results of every check are strictly declared at intervals per week of the conclusion of the check. the students can see their various answer sheets and discuss their queries with involved workers. The term work evaluation is completed by various course academics within the middle and at the tip of semester. The students re-notified regarding their performance analysis of students is displayed on board through Continuous Assessment Report (CAR).

#### Continuous Assessment:

The institute believes firmly in continuous analysis of the students for his or her sustained performance.

Hence a structured analysis method has been designed and enforced. The tests are ready and conducted as

per the University examination pattern. to arrange students for sensible the institute conducts unit tests, as per the need of the involved syllabi of various categories.

### Reforms within the analysis process:

Faculty conducts unit-test/surprise-test, assignments, tutorial categories, remedial/extended categories, to evaluate students' performance to induce higher results

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

### 2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

#### Response:

AIET sticks to its CIE system which keeps up straightforwardness and power in persistent assessment of understudies. These standards are improved occasionally and conveyed to the staff and understudies through very much characterized component.

The vital parameters of CIE framework are:

1. Attendance of understudies in Theory, Practical, LCD, T and P sessions
2. Internal Mid examinations and primer examination
3. Continuous Assessment of Practical/Assignments/Tutorials/Design Experiments
4. Mock practical examination
5. Students' execution in past JNTUH examination
6. Students' contribution in PBL exercises, for example, lab-developments, VAPs, specialized tasks and inquire about productions
7. Students interest in NSS, sports and social exercises
8. Students' commitment in assigned exercises, for example, LCD/GD/Soft aptitude sessions.

To keep up the straightforwardness and vigor in execution of this CIE framework, foundation works on following successive procedures:

The CIE standards are for all time showed on departmental notice loads up.

CIE standards are talked about in the enlistment programs led for recently conceded understudies.

Educators disclose the CIE standards to the understudies of all classes amid beginning addresses and down to earth sessions.

Guides give point by point clarification about the CIE procedure which requests understudies to take advantage of the plan.

Appraisals are completed in functional/instructional exercise sessions on everyday schedule.

Month to month participation of understudies is shown on notice sheets and furthermore conveyed to guardians.

Mid-semester internal marks are passed on to understudies to influence them to comprehend the degree for promote change. Guiding of understudies and guardians is done according to prerequisite.

UESE and fundamental exam marks are shown and conveyed to understudies and guardians.

Assessed answer sheets of UESE and starter examination are imparted to understudies and questions (assuming any) are fathomed by the subject instructors. Adjustments in imprints (assuming any) are incorporated into the records.

Execution of understudies in CIE is checked by tutors in fortnight guide gatherings and advancement is talked about with the guardians amid guardians meeting and coach's visit at understudy's home.

Ridicule commonsense/oral examination is completed to evaluate the planning of understudies for University examinations and proposals (assuming any) are given for development.

Tutors gather the records of understudies' execution in co-curricular and additional curricular exercises for figuring of far beyond imprints.

At last, Internal Continuous Assessment (ICA)/Term-work marks are figured by assembling signs of understudies in every one of the parameters of CIE. Understudies are requested to allude these imprints showed on notice board and any complaints announced by understudies are tended to by the concerned employee.

AMC/IQAC conducts meeting to audit and characterize the CIE standards for next semester.

By looking after straightforwardness, assortment and thoroughness in the usage of this hearty CIE process, organization has prevailing with regards to accomplishing dynamic investment of understudies in different multi-faceted exercises.

Organization has gotten a positive criticism about CIE hones from its partners.

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

### 2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

#### Response:

The institute has the redressal cell for grievances relating to examination grades. The cell consists of Principal, Head of Departments (HODs), and Examination In-charge. Students will approach the cell for any problems within the analysis of their answer scripts. The cell conducts a gathering associate deputed to listen to students concern and takes an applicable call that is binding on All. The College conducts 2 types of examinations, internal and external. External examinations are conducted by the University and also the internal examinations are conducted by the faculty. As a part of internal examinations, internal assignment and middle examinations are conducted

The redressal of grievances relating to analysis in each internal assessment and university examination is thru the subsequent method.

#### At institute level:

The teacher distributes evaluated answer scripts to students, and any clarifications or grievances are self-addressed by the teacher. the interior marks are then displayed on bulletin board. If any discrepancy is noticed, the involved teacher can resolve the discrepancy, and also the necessary corrections are going to be created. If a student isn't happy with the marks awarded even once resolved by the teacher, they'll represent the identical to the Principal through the box involved. All such representations are taken absolutely and are reassessed by another teacher if necessary.

Students are recommended by the college counselor, and remedial categories are conducted for college kids WHO have unsuccessful within the examinations. Students WHO are absent for internal exams because of real reason will apply for the computer-based test(CBT) conducted by the university.

#### At university level:

Students will categorical grievances by applying for the subsequent analysis procedure:

**Re-counting:** If the scholars aren't happy with the marks awarded, they'll apply for re-counting inside every week from the declaration of results through the examination branch at the establishment. The results of re-counting are going to be declared as per the university norms.

**Re-evaluation:** Students will apply for re-evaluation of their answer scripts inside every week from the declaration of results if they're not happy with their results. The results of re-evaluation are going to be declared as per the university norms.

**Challenge Evaluation:** A student will apply for challenge analysis inside every week once the

announcement of the results. This analysis method is allotted within the presence of student by 2 subject experts; one represents from the establishment and alternative from the university. If the scholar wins the challenge university favors students with correct award of marks and also the difficult analysis fee is refunded to the scholars

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

#### 2.5.4 The institution adheres to the academic calendar for the conduct of CIE

##### Response:

The establishment plans scholarly logbook in-accordance with JNTUH scholastic date-book. It consolidates all curricular, co-curricular and additional curricular exercises in the schedule which guarantee CIE. This schedule is shown on notice board and institutional site toward the start of semester and furthermore circled among every one of the resources and additionally understudies.

Consistent gatherings and surveys are led by instructors, facilitators, HoDs and dignitaries. The surveys and remedial activities if any are talked about in the Principal meeting. Along these lines the foundation holds fast to the scholarly logbook for direct of CIE.

Scholastic date-book incorporates calendar of month to month participation show, timetable of ISEs and starter examination. This encourages understudies to get ready for a similar well in time. It likewise incorporates timetable of showcase of aftereffects of these examinations.

At the center of semester, when understudies are finished with their half of down to earth and task work; scholarly date-book guarantees CIE by presenting Mid-semester Submission. This causes understudies to comprehend their status at the mid of semester and they plan remedial activities whenever required and enhance their execution.

Last year understudies complete their venture introductions according to scholarly date-book.

Before the functional/oral examinations of JNTUH, ridicule down to earth/oral examinations are organized the understudies. Timetable of this ridicule examination is additionally endorsed in the scholarly date-book. The scholarly timetable likewise gives the calendar of different experiential/participative exercises outlined by the organization according to the Project Based Learning (PBL) Model, for example, Lab Innovations,

Mechanical Visits, Value Addition Programs (VAP), Technical Events.

Aside from these specialized exercises, scholastic logbook depicts provisional timetable of extracurricular exercises, for example, sports and social. The investment and execution of understudies in all such specialized and additional curricular exercises is likewise a piece of Continuous Internal Evaluation

process.

The timetable of ICA (Internal Continuous Assessment) is entirely pursued according to scholastic logbook.

Keeping in mind the end goal to guarantee the acceptable execution of the understudies in the assessment procedure, guardians are likewise engaged with dialogs through parent meet sorted out according to scholarly date-book. The organization takes endeavors to impart the necessities and advancement of understudies in the assessment procedure through the Teacher Guardian conspire. This aides in guaranteeing powerful lead of CIE and accomplishing wanted results

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

## 2.6 Student Performance and Learning Outcomes

**2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students**

### Response:

Institute of all the departments have defined their vision, mission, POs, PSOs, PEOs & COs with the following a due mechanism. This list will disseminate in all class rooms, laboratories and all departments of the respective program. Also, available in all the departments profile of the college website.

### Department of ECE

#### PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

**PEO1: Professional Growth:** Graduates will have a successful career in emerging trends Electronics and Communication Engineering or associated industries or higher education and research oriented activities.

**PEO2: Attitude to adopt lifelong-learning:** Graduates will have the capability and attitude towards evolving technological challenges.

**PEO3: Technical advancement:** To develop group work and team management abilities to promote knowledge transfer pertaining to conceptualization and delivery of projects.

#### PROGRAM OUTCOME (POs):

**1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design / development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:**

#### **PROGRAM SPECIFIC OUTCOMES (PSOs):**

1. **Interpretation abilities:** Design, Verify and Validate Electronic functional elements for for complex electronics engineering problems, keeping in mind the latest technological trends.
2. **Electronic Core Competency:** Analysis, Design and implementation of VLSI systems, Communication and embedded system, signal and image processing techniques for real time applications..



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

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

#### Response:

AIET is resolved to accomplish POs, PSOs and COs characterized by JNTUH and by organization. To quantify the achievement of these results, organization has created system as pursues:

Consistent assessment amid semester: As organization hones CIE thoroughly where execution of every competitor is ceaselessly surveyed (CA) by the individual subject instructor amid down to earth/instructional exercise sessions. The comprehension of each subject is additionally affirmed through assessment of ISE by subject instructor. Through investigation of CA and ISE, Mentors audit fulfillment of results in their fortnight gatherings.

The level of achievement of COs is assessed through understudies' execution amid whole semester by subject educator.

Assessment toward the finish of semester: At the finish of each semester fundamental and ridicule down to earth/oral examinations are directed. Each subject educator guarantees the accomplishment of particular COs by assessing understudies' execution in these examinations. Likewise TGs assemble all the data with respect to students 'participation in exercises led to accomplish extra COs characterized by the foundation and assess the level of fulfillment.

Assessment toward the finish of scholastic year: Students' execution is assessed toward the finish of each scholarly year through examination of University examination (hypothesis and commonsense/oral) results. It gives comprehension of accomplishment of COs of the courses embraced by the understudies amid the scholarly year. It additionally helps in mapping accomplished COs with recommended POs.

At the graduation level: At the season of culmination of graduation, understudies' general execution all through their training is examined. Execution in conclusive college examinations, venture work, positions, GATE/focused examinations and investment of understudies in all encompassing formative exercises are incorporated into the investigation. This clarifies level of accomplishment of the endorsed POs and PSOs.

Inputs from partners: Regular criticisms are taken from every one of the partners to break down the level of achievement of COs, POs and PSOs. The investigation incorporates criticism from understudies, graduated class, managers, academicians, analysts and guardians.

Survey gatherings about the accomplishment of these results are led by AMC/IQAC and essential changes are done at establishment level. Whenever required, these changes are additionally placed up in JNTUH syllabus amendment gatherings.

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

### 2.6.3 Average pass percentage of Students

**Response:** 40.19

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

Response: 129

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

Response: 321

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

## 2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

**Response:**

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

**3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)**

**Response:** 5.15

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

2017-18	2016-17	2015-16	2014-15	2013-14
0.6	1.3	0.9	0.8	1.55

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

**3.1.2 Percentage of teachers recognised as research guides at present**

**Response:** 0

3.1.2.1 Number of teachers recognised as research guides

**3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year**

**Response:** 0.52

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

Response: 17

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 162

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Funding agency website URL	<a href="#">View Document</a>

## 3.2 Innovation Ecosystem

### 3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

**Response:**

### 3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

**Response:**

**Institute nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators:**

Realizing the importance of development of critical thinking, creativity and scientific temper among the students, Institute has developed a twofold strategy:

- 1. Establishment of Incubation centers/ IoT labs/ Project labs at Department level**
- 2. Establishment of Students Activity Center at Institute level**

#### **Incubation Center**

Under the umbrella of Research and Development Center, Many Innovative Projects are developed

#### **ECE Department:**

In this regard we reached up to some level. We successfully developed some projects. Some are as given

below.

- 1.Face Recognition And Spoofing Detection For Door Accessing System
2. WIFI Based Access Control System
3. Automated Irrigation System Using Wireless Sensor Network and GPRS Module
4. ZIGBEE Based Advanced Steward Calling System In Airlines
5. Multilevel Anti Theft Security System Using GSM Technology
6. GSM Based Advanced Security System For Banks
7. A Live Human Detection Robot with Wireless CEMARA

### **EEE Department:**

In this regard we reached up to some level. We successfully developed some projects. Some are as given below

- 1.Speed synchronization of Multiple DC Motor In Industries using wireless RF
2. Electric linemen safety with password based circuit breaker
3. seventeen-level Inverter formed by Cascading flying Capacitor and floating Capacitor
4. Coordinated control and energy management of distributed generation inverters in a micro Grid
5. power meter design
6. A can Bus based system for monitoring and Fault Diagnosis in wind Turbine

### **Mechanical Department:**

In this regard we reached up to some level. We successfully developed some projects. Some are as given below

1. Design and analysis of a skid for fuel tank bracket of truck
2. Evaluation of roughness of electric discharge surfaces of difficult to machine materials
3. Pressure die casting tool design for side engine cover of gear box casing
4. Design and analysis of a two wheeler suspension frame using composite material
5. Design and analysis of 4-axix rotary system
6. A study on wear behavior of gear system torque by torque analysis

### **Computer science and engineering Department:**

In this regard we reached up to some level. we successfully developed some projects. some are as given below

1. privacy –preserving public auditing for shared data in the cloud
2. building confidential and query processing with rasp data perturbation
3. network resource allocation for users with multiple connections fairness & stability
4. traffic-identification engine
5. defenses against large scale online password attacks by using persuasive click points
6. ensuring distributed accountability for data sharing in the cloud

### Civil engineering Department:

In this regard we reached up to some level. we successfully developed some projects. some are as given below

1. Design, estimation & costing of gated community
2. Design of rcc head over tank
3. Difference between flexible pavement & rigid pavement design
4. Self compacting concrete
5. Low cost buildings by using alternate materials
6. Replacement of sand by robo sand in m25 and m30 grades of concrete
7. Irrigation and water resources case studies and sustainability

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

### 3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

**Response:** 124

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
39	22	11	28	24

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

### 3.3 Research Publications and Awards

<b>3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research</b>	
<b>Response:</b> Yes	
File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

<b>3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards</b>	
<b>Response:</b> Yes	
File Description	Document
e- copies of the letters of awards	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

<b>3.3.3 Number of Ph.D.s awarded per teacher during the last five years</b>	
<b>Response:</b> 0	
3.3.3.1 How many Ph.Ds awarded within last five years	
3.3.3.2 Number of teachers recognized as guides during the last five years	
Response: 2	
File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>

<b>3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years</b>
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**Response:** 0.78

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

2017-18	2016-17	2015-16	2014-15	2013-14
24	35	20	25	7

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

**3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years****Response:** 0.37

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

2017-18	2016-17	2015-16	2014-15	2013-14
52	1	0	0	0

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

### 3.4 Extension Activities

**3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years****Response:****3.4.1 Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development during the last five years**



**Response:**

**The institutes promote institution-neighborhood- community network and student engagement, contributing to good citizenship, service orientation and holistic development of students:**

The college has NSS unit with a total strength of 100 members, affiliated to Jawaharlal Nehru

Technological University (JNTU), Hyderabad. The unit was established in 2010 with an Objective to cultivate the attitude of social service in minds of students and to make them responsible citizens.

Better India is an all student NGO with an aim to help underprivileged in the best way possible. It is a perfect platform for all those enthusiastic and passionate youngsters to do the little they can to bring about the desired change in the society.

GREEN CLUB of AIET is a green initiative by the students of the college to create awareness by conducting events like “HARITHAHARAM” about the importance of clean and healthy environment. “Clean and Green” is our motto. The club members conduct meetings at various places to explain the benefits of keeping their surroundings clean.

Women In Engineering (WIE ) is the affinity group which is a

branch of professional society established during 2010.In association with ETV and Namaste telugu media. this group interacts regularly with the students in local community and makes them aware with basic technologies. For this unique activity, this group has awarded at International level.

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

### **3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years**

**Response: 6**

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

2017-18	2016-17	2015-16	2014-15	2013-14
1	2	1	1	1

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

### 3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

**Response:** 30

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

2017-18	2016-17	2015-16	2014-15	2013-14
6	6	6	6	6

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

### 3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

**Response:** 62.5

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
540	350	392	515	515

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

### 3.5 Collaboration

#### 3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

**Response:** 19

##### 3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	2	5	3	3

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

#### 3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

**Response:** 2

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

2017-18	2016-17	2015-16	2014-15	2013-14
2	0	0	0	0

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

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

**4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.**

**Response:**

The institute has an approach to create and develop infrastructure that conforms to the standards set by the AICTE, the University Norms of JNTU, Hyderabad and the state government. The institution has adequate facilities for teaching-learning. Separate, exclusive classrooms are provided for all the batches. The classrooms conform to the standards set by the AICTE. A minimum carpet area of 66 square meters per classroom is maintained, in accordance with the AICTE norms. In addition to this, the classrooms are spacious, well ventilated with windows and ceiling fans. Naturally well lit classrooms reduce the energy consumption. The classrooms also feature comfortable seating for the students. Tutorial rooms that adhere to the norms set by AICTE are also provided. The institution comprises of five seminar halls spread across both the blocks that boasts state of the art sound system, along with overhead projectors and comfortable seating facility for almost 150 people per session. The institution features laboratories pertaining to the syllabus set forth by the affiliated university (JNTU, Hyderabad). The laboratories are well maintained and possess quality equipment to conduct lab experiments prescribed by the affiliated university.

Computing facility is provided for the students as well as the faculties. The college boasts 378 computers, with a student:computer ratio of nearly 2. The computers are connected to a high speed broadband internet connection of 100 Mbps, which caters to the need of its users. High configuration systems needed to run the latest and cutting edge software are provided to make the learning experience a seamless one. The campus is WiFi enabled.

The library constitutes of updated volumes of textbooks and reference books from well reputed authors and publishers. It also has an e-learning section where the students and staff can browse through e-journals and e-textbooks. The library operations are automated with the help of OPAC software and the entire volumes of books and journals available in the library are made available through the software's database for a coherent, smooth experience. Facilities already available in the campus, such as computers, WiFi, software, internet facilities etc. are frequently updated. A portion of the budget sanctioned every year is kept aside for the maintenance of these facilities. Co-curricular and extra-curricular are given equal significance and the infrastructure to carry out the same is provided by the management.

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

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

**Response:**

Yes, adequate facilities for sports, games (indoor and outdoor) are provided in the college. The college features a basketball court and a volleyball court. Facilities for indoor games such as chess, caroms etc. are also provided. One sports hour per week is included in the undergraduate timetable to encourage students to participate in sports to keep them physically fit. Sports activities happen under the supervision of a qualified physical director, who oversees the activities and provides expert guidance on the same. An annual sports meet is conducted every year in the campus.

#### OUTDOOR GAMES

Name of the game Number of courts Area of the each ground

Volley ball 4 20m x 25m

Basket ball 1 30m x 25m

Mini foot ball 1 30m x 25m

Shuttle 2 20m x 20m

Throw ball 1 13m x 15m

Cricket nets 4 20m x 20m

Cultural activities, which nourish the personal skills of the students, are given importance. A cultural committee that comprises of faculty members and students supervise the cultural activities. The committee plays an important role in the celebration of events such as Fresher's Day, Haritha Haram, Swachh Bharat, etc. A portion of the yearly budget is kept aside for functions and celebrations. Seminar halls, with state-of-the-art audio systems and overhead projectors, serve as mini auditoriums during various cultural programs, like the fresher's day program, where the freshers are invited to portray their artistic abilities. The college has an NSS unit which promotes the students to indulge in activities that develop their personalities by broadening their interpersonal skills.

International Yoga Day is celebrated with great fervor in the campus, with active participation from the staff and the students. The Institute has well equipped rooms for indoor games such as Chess and Carrom, Well furnished area for outdoor games such as Basketball, Throwball, Netball, Volleyball and Kabaddi. Institute has five Seminar Halls used for cultural activities by well established Cultural Club in the Campus.

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

#### 4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

**Response:** 39.22

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

**Response:** 20

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	<a href="#">View Document</a>
any additional information	<a href="#">View Document</a>
Link for additional information which is optional	<a href="#">View Document</a>

#### 4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

**Response:** 52.31

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
126	207	232	158	113

File Description	Document
Details of budget allocation, excluding salary during the last five years	<a href="#">View Document</a>
Audited utilization statements	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1 Library is automated using Integrated Library Management System (ILMS)

**Response:**

YES,

The Institute has central library and five departmental libraries. There is an Open Access

Index for understudies and staff. The reading room is very much outfitted to oblige

students at once and gives helpful condition to think about. Elite reference

segment is accessible in the library. A guest's book is kept up for understudies and staff.

- fresh arrivals of books and journals are shown on discrete stands and racks. Each

student gets

- Security of assets is guaranteed through an arrangement of checking at the leave point for all

assets obtained by the clients. Guests are additionally required to sign taking note of the season of section and exit. CCTV cameras are introduced in the library for strict observation.

Web OPAC (Online Public Access Catalog) office is made accessible through NewgenLib software

Library Management Software to know the bibliographical insights about the gathering. One

separate hub is made accessible in the Central Library for OPAC office. What's more, as it is a Web

OPAC, client from any area can look through the library gathering. Hunt by giving Title, Author,

also, area can be completed.

Electronic Resource Management bundle for e-journals.

The library buys in to IEEE All-Society Periodicals bundle. Notwithstanding that, connection to insightful open access diaries/database is likewise accessible on the Library site page.

A very much outfitted Digital Library with 18 hubs having Internet availability is housed in the

Focal Library for access to E-Resources. As the entrance office to e-diaries is multi-client and

IP address-based, understudies can get to the E-Resources from anyplace in the grounds.

Library Automation:

All the dynamic book accumulation is refreshed in the NewGenlib Library Management Software database

what's more, the Web OPAC is accessible for the clients. The issue and return of books has been initiated with the Newgen lib Library Management Software.

Facilities available at library:

No of printers: 02

Bar code Printer: 01

Bar code Scanner: 02

Photocopy Machine: 01



Web transfer speed: 30 Mbps

Institutional Repository:

i) Article Repository: Published research paper/article of the employees: Yes

ii) Book Repository : Published books of the employees: Yes

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

#### 4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

##### Response:

The Ashoka Institute of Engineering and Technology Maintains a rich collection of Rare books as It is well known fact that a part from curriculum one needs to diversify His/Her own general knowledge and understanding of the physical world. Keeping this in mind the institute has a collection of books from Indian history to Mahabharata and Bhagvat Gita. The library has books covering all aspects of life providing students and teachers all round development and knowledge. It has a collection from the teachings of Lord Jesus dating back to 1583 to the books published by government before 1900s to the culture and history of India

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

#### 4.2.3 Does the institution have the following:

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

A. Any 4 of the above

**B. Any 3 of the above**

**C. Any 2 of the above**

**D. Any 1 of the above**

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

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	<a href="#">View Document</a>

#### 4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

**Response:** 3.08

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

2017-18	2016-17	2015-16	2014-15	2013-14
5.5	4.7	3.5	0.94	0.77

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

#### 4.2.5 Availability of remote access to e-resources of the library

**Response:** Yes

#### 4.2.6 Percentage per day usage of library by teachers and students

**Response:** 16.18

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 122

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

### 4.3 IT Infrastructure

#### 4.3.1 Institution frequently updates its IT facilities including Wi-Fi

**Response:**

The institution frequently updates its already well developed IT facilities including Wi-Fi. Infrastructural augmentation is given top priority by the management, to make the teaching-learning process a seamless one. The requirement for replacement or upgrading the IT facilities available in the campus is carried out in the beginning of each academic year, based on proposals from the Head of the Departments, system administrators and various lab in-charges. The proposals are made by the Head of the Departments taking into consideration the configuration of the IT facilities already available in the campus, the computer: student ratio, the existing circumstances of the available equipment, sanctioned budget etc.

Once the procurement of the updated IT facilities is complete, the faculties are trained to bring the resources into effective action, with the help of awareness programs or training programs. It is made sure that the IT facilities are utilized effectively by the appointment of qualified lab technicians and system administrators. Access to computers, for the students, is made available through the computer labs and the library. The staff and faculty can access computers through the computer labs, staff rooms and the library. All the computers in the campus are connected to high speed broadband internet connection of 100 Mbps through LAN. The campus is also Wi-Fi enabled.

The official website of the college is regularly maintained and monitored by the web designer and system administrators. The maintenance of the IT facilities, including networking, computers, software and hardware issues, are carried out by three dedicated system administrators. The seminar halls have state-of-the-art visual and audio facilities which may be used in conducting seminars and video conferences.

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

#### 4.3.2 Student - Computer ratio

**Response:** 0.88

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

#### 4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

**>=50 MBPS**

**35-50 MBPS**

**20-35 MBPS**

**5-20 MBPS****Response:** >=50 MBPS

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

**4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)****Response:** Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	<a href="#">View Document</a>
Link to photographs	<a href="#">View Document</a>

**4.4 Maintenance of Campus Infrastructure****4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years****Response:** 52.64

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

2017-18	2016-17	2015-16	2014-15	2013-14
123	207	132	198	133

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

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

Maintenance and utilization of physical, academic and support facilities are carried out in the college with the help of the Head of the Departments. Laboratories and classrooms that form a part of the teaching-learning process are maintained with the help of funds allocated during the time of budget sanctions, in the beginning of every academic year. Green chalkboards, desks and benches in the classrooms are regularly utilized by the students and faculties. Classrooms with ICT facilities are maintained with the help of system administrators. Equipments in the laboratories are calibrated in the beginning of each semester by the respective lab in-charges and technicians, under the supervision of the Head of the Departments. Along with the calibration, maintenance of the equipments is carried out to ensure smooth running of laboratory classes.

Separate fund is sanctioned in the budget every year for the maintenance of the college gardens by dedicated non-teaching staff. This helps in maintaining greenery and foliage in and around the campus. Sufficient number of computers, for use by the students and the faculties, are provided in the college. Every system is connected to a 100 Mbps broadband internet connection, through LAN to make the e-learning process seamless. Computers are provided in the departmental staff rooms, computer labs, library, administrative office etc. Library automation is done with the help of OPAC software. Issues regarding computers are solved promptly with the help of system administrators, and maintenance is carried out by the administrators to guarantee a smooth, seamless user experience. Computers in the computer labs are installed with the latest version of software required to carry out experiments as per the updated syllabus of the affiliating university. Electrical maintenance in the campus is done with the help of dutiful electricians, who fix the problems promptly. Periodic maintenance of generators and UPS is also carried out by the electricians.

The library staffs make sure the library, which is an integral part of the academic support facility, is maintained well. A part of the budget sanctioned to the library in the beginning of each academic year is used for the maintenance of the library. The books, journals and magazines available in the library are dusted periodically and kept neatly stacked in the racks. Bookworms and other insect larvae which feed on paper are kept away with the aid of mothballs.

Reverse osmosis purified water is made available 24x7 in the college campus. Regular maintenance of the same is carried out. Separate washroom facilities are provided for the staff and students. The washrooms are cleaned everyday and hygiene of the highest standard is maintained. Laudable achievements in the field of sports are another feather in the cap of this college. The achievements can be attributed to the well maintained sports facility made available in the college. The basketball and volleyball courts in the college are well maintained.

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

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

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

**Response:** 47.88

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

2017-18	2016-17	2015-16	2014-15	2013-14
142	364	388	459	482

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	<a href="#">View Document</a>
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

**Response:** 60.44

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
204	458	478	569	602

#### 5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development
4. Remedial coaching

- 5. Language lab
- 6. Bridge courses
- 7. Yoga and meditation
- 8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

**Response:** A. 7 or more of the above

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

#### 5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

**Response:** 6.67

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

2017-18	2016-17	2015-16	2014-15	2013-14
68	54	48	36	40

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

#### 5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

**Response:** 20.89

5.1.5.1 Number of students attending VET year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
135	158	156	148	190

File Description	Document
Details of the students benefitted by VET	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** Yes

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

## 5.2 Student Progression

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

**Response:** 42.89

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

2017-18	2016-17	2015-16	2014-15	2013-14
26	59	64	34	36

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



**5.2.2 Percentage of student progression to higher education (previous graduating batch)****Response:** 40

## 5.2.2.1 Number of outgoing students progressing to higher education

Response: 22

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

**5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)****Response:** 26.56

## 5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	14	16	12	10

## 5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
15	120	90	20	60

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

**5.3 Student Participation and Activities**

**5.3.1 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) during the last five years.****Response:** 70

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

2017-18	2016-17	2015-16	2014-15	2013-14
31	7	12	12	8

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

**5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution****Response:****STUDENTS ON ACADEMIC & ADMINISTRATIVE BODIES/COMMITTEES OF THE INSTITUTION**

- Our college creates a platform for the energetic participation of the students within the diverse academic & administrative our bodies including other activities. This empowers the students in gaining leadership characteristics, rules, guidelines and execution competencies.
- Each council has a representative council, which is called elegance Committee and consists of student members carry forward the perspectives and pointers of the whole magnificence with scholar individuals too. The composition of scholar participants is associated with the magnificence.

**We have formed academic & administrative bodies such as:**

- Public Relations, Press, Media& Publication Committee
- R&D And Consultancy Committee
- Training, Placements And Career Guidancecell Committee
- Girls Hostel Committee
- Boys Hostel Committee
- Canteen Committee /House-Keeping/Hygiene/Sanitation

- Nss Committee
- Social Welfare (Bc/Sc/St)
- Sports & Games
- Transport Committee
- Cultural Committee
- General Maintenance Committee
- Department Associations Committee
- Examinations
- Time-Table/Admissions
- Library
- Industry Institute Partnership Cell
- Entrepreneurship Development Cell
- Website/Ict/Internet Committee
- Alumni Association Coordination Committee
- Professional Societies Activities Committee
- Sports Committee

The funding for various activities of the internal college bodies is provided by the College Management.

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

### 5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

**Response: 5**

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	7	6	5	4

File Description	Document
Number of sports and cultural activities / competitions organised per year	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

#### Response:

#### *Alumni Association:*

? The College has enlisted Alumni Association to restoring the recollections of the school; a system of old understudies was accomplished.

? Today, it is the foundation of the establishment. The establishment lays on the rich history of the understudy's prosperity and wonder.

? Association frequently meets and interfaces with the administration. It is the banner carrier of the improvements in the foundation.

? The Alumni composes addresses on identity improvement. Throughout the years it has been helping in holding intuitive sessions to spur understudies with respect to social modifications and vocation chasing.

? The graduated class likewise help the foundation by affecting ventures and different offices in getting arrangements fests for the establishment.

? The graduated class show up for different exercises and their proposals are considered.

? The Institution has an informal communication page and a different connection in the site where the Alumni can enlist and associate with offer their thoughts.

#### **Graduated class Benefits for Students:**

? Personality Development Program

? Career Advising

? Industry Institute Interaction

? Mentoring

? Placement help

? Project Assistance for definite year understudies

**Graduated class Objectives:**

1. To sort out of AIET understudies in every area to go about as their specialist and orchestrate, synchronize and advance their energy for all issues.
2. To utilize the experience, understanding, vitality, limit and additional season of past understudies of the AIET the overall population to help the weaker portion of the overall population.
3. To take up open interest matters relating to the past understudies of AIET this domain with State and Central Government and Semi Government or private affiliations or public co-exercises.
4. To progress and oblige guidance, enlightening awards and restorative easing valuable to poor and the dejected understudies of AIET.
5. To propel diversions guidance, culture and data by planning workshops of past understudies of AIET.
7. To plan classes and to make practices for strong condition, and to keep up a key separation from tainting developed
8. To accomplish better living condition, regular co-action among the past understudies of AIET by completing recreational workplaces. To develop the library and other central activities for past understudies of AIET.
9. To help and help monetarily or something different, development homes, spare homes, human administrations units, family welfare centers, workshops etc.
10. To compose, lead and hold classes, social occasions, talks, symposia et cetera for past understudies.
11. To help past understudies who are preparing for, entering upon or, possessed with any calling, trade, occupation or organizations by totally enrichments or portions for direction.
12. To propel, social, informative, social activities for general preparing for past understudies.
13. To progression, support, and progress of any planning and moreover physical efficiency of the past understudies joins that of amusements and preoccupations in the total of their branches.
14. To print and disseminate books, periodicals, references, information brochures, to make PC programming and to course the proportionate and lead magazine.

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

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

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

**Response:** <1 Lakh

File Description	Document
Alumni association audited statements	<a href="#">View Document</a>

**5.4.3 Number of Alumni Association / Chapters meetings held during the last five years****Response:** 8

## 5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	2	2	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

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

##### Response:

The Institute's concentration and core principle system is reflected in its Vision, Mission, and Quality Policy as demonstrated as follows:

##### Vision

To be a leading institution of engineering education and research, preparing students for competencies to become confident about their careers and contribute to the society, leadership in their fields in a caring and challenging learning environment.

##### Mission

- To enhance capabilities of faculty for facilitating courses with innovative pedagogy
- To enrich and equip the programs with relevant and updated curriculum
- To progress by implementing the best practices to the workforce needs as per emerging trends
- To provide industry Interaction for faculty and students to work on projects with end goal of real time knowledge

**Quality Policy:** Updated space information, hands-on involvement, consistent change, worldwide models.

Ashoka Sailaja Educational Society, and additionally the Principal who guarantees consistent administration efficiently, energizes participative authority by including different partners at different fitting levels of basic leadership.

Repeating and irregular necessities of Departments and Sections are distinguished by the Heads of the individual Departments and Sections, which are exhibited to the Finance Committee for assessment of monetary angles and to the concerned Deans and the Principal for a merged need appraisal. The recognized prerequisites are exhibited to the Governing Council by the Principal and endorsements require collaborations with the concerned partners and employees. Employees take part, through comparing Functional Committees, in finishing educational modules configuration, showing technique of regular courses, examination changes, upkeep of scholastic guidelines, and understudy welfare. Such interest conveys straightforwardness to the administration and innately energizes collaboration, while guaranteeing practicable basic leadership.

Understudies and graduated class are additionally associated with specific Committees including the IQAC so their perspectives are likewise considered in administration.

Along these lines, all partners of the Institute are included at different levels in surveying actual requirements, budgetary prerequisites, scholastic measures and approach making, movement in advancement and research. The Principal therefore drives the subsequent arrangement, technique, asset

portion, and activities through the Academic Council and the Ashoka Sailaja Society. Societal effect and duty are allotted prime significance with the end goal that the Institute adds to economical financial improvement through all around focused skill.

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

### 6.1.2 The institution practices decentralization and participative management

#### Response:

The organization has decentralized and straightforward system in administration, organization, money related and scholastic undertakings. This component is designating suitable duties from the best level administration to low level and enables the best administration to center around approach settling on and real choices.

The Governing gathering is the most elevated basic leadership body which plans/alters tenets and directions, agent's forces and duties to different Committees, Principal and Heads of the Departments .

The constitution of statutory advisory groups like Governing chamber, Academic Council, Finance Committee, Board of Studies are methodically completed with determined capacities and obligations according to the necessities to the administrative/statutory bodies. These advisory groups assume a noteworthy job in strategy creation of administration, scholastics, back, research and instructing learning

The Principal guarantees the smooth working of the establishment with the help of Deans and Head of the departments. There are 32 non-statutory boards working as an indivisible unit in recognizing potential outcomes, arranging, sorting out, actualizing and checking every one of the exercises of the foundation. The decentralized system exists even at the division levels. Each office has Program organizers at UG and PG level to take care of the exercises of each program. Choices at division levels are taken by all around organized advisory groups like Department Academic panel, Program Assessment council, Board of Studies, Department Development Committee, Class Review Committee.

HODs are welcomed for the Governing board meeting and the Governing chamber individuals and administration collaborate to build up a guide for the advancement of the offices and the establishment.

All Stakeholders of the foundation have participative jobs in different basic leadership boards. Outside partners like Statutory bodies chosen people, State government Nominees, University candidates, Industry specialists, Employees, Educationists and Scientists of all the advisory group individuals. Workforce, Students, Alumni are the board individuals.

The table gave in the extra data demonstrates the inclusion of administration and every one of the partners including Head of the Departments, Faculty, Students, Alumni, businesses, industry specialists, educationalist, researcher, network agents in different practical advisory groups of the establishment.



This demonstrates the organization has decentralization of organization through boards of trustees and has participative administration. A popularity based methodology is setup in the basic leadership process, by which every one of the partners of the establishment could partake in the administrative choices.

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

## 6.2 Strategy Development and Deployment

### 6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

#### Response:

Yes, the establishment requires exertion in finding the key execution markers for execution evaluation and improvement. It tends to the issues from the stake holders point of view and finds a way to satisfy their prerequisites.

The Institute has following Perspective/Strategic plans:

- Permanent affiliation by JNT University, Hyderabad, Telangana.
- Approval as a Research Center by the JNT University, Hyderabad, Telangana.
- Center of Excellence in AI & ML
- Establishment of SAP Academia
- Center for Career Counseling, Social Awareness

1. Community includes farmers, small scale industries and villagers. Finding correct guidance on possible education streams.

2. Our Programs will educate and make aware community of all possible solutions on above stated and additional problems if any.

- Establishment of Centre for Sports Academy
- Autonomous Institute / Deemed University

Institution has a strong Strategic plan is deployed through usual arrangement of activities, everyday exercises, asset portion and including all partners at different levels. Execution, quality lists estimated now and again gives lucidity in accomplishing vital arrangement.

#### Decentralization

Foundation has a component for appointing specialist and giving operational self-rule to all the different

functionaries to progress in the direction of decentralized administration framework.

## Participative Management

The foundation advances a culture of participative administration by including staff and understudies in different exercises. All choices of the organization are administered by administration of actualities, data and objectives. Both understudies and resources permitted communicating of any recommendations to enhance the magnificence in any part of the Institute.

### 1. Strategic Level

The Principal, senior member scholastics and staff individuals are engaged with characterizing the strategies/techniques, encircling rules and guidelines/controls relating to affirmation, arrangement, discipline, complaint, directing, preparing and expansion, and institutional library administrations and etc., and successfully executing the equivalent to guarantee smooth and precise working of the establishment. For the different projects to be directed by the organization staff individuals meet, talk about, share their opinion and plan for the occasion and shape different boards of trustees including students. Staff individuals are additionally associated with choosing scholarly exercises and examinations to be led in foundation.

### 2. Functional Level

At utilitarian level the employees take an interest in sharing the learning by talking about on most recent patterns/innovation amid personnel meeting. Staff individuals are associated with planning of yearly spending plan of organization. Employees additionally compose joint research papers and offer their insight.

### 3. Operational level

The Principal of the organization is a part secretary of the GB. The GB gives proposals and monitors the acquirement and presentation of new projects and welfare exercises. The Principal of the organization is in charge of scholarly, nonacademic and managerial exercises of the establishment. For the establishment, he associates and relates with AICTE, UGC, Govt. of Telangana , JNT University,Hyderabad, and so forth.,

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

## 6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

**Response:**

The organization has a well-structured administrative setup with Governing Council as the highest decision making body and 32 other functional bodies and committees. The administrative setup is provided in the link to the Institution webpage. The functions of various bodies are given in the link for additional information.

### **Service rules, Procedures, Recruitment and Promotional Policies:**

The Institute has a set of well-established rules, policies and regulations within the frame work of AICTE, State Govt. and the affiliating university, which are approved by the Governing Council of the Institute. The rules and regulations of the institute documents are published and are made available in the institute library and in all departments to create awareness among the employees and students. The same is also available in the college website – [www.AIET.ac.in](http://www.AIET.ac.in). The copies of the institute Administrative Manual containing service rules, Procedures, Recruitment and Promotion Policies are circulated among all the staff (both Teaching and Non-teaching) for their information.

The following are the few manuals in which all the functional aspects of day to day activities are provided:

- Administrative Manual
- Standard Operating Procedures (SOP's)
- SOP for Civil maintenance
- SOP for Mechanical maintenance
- SOP for Electrical equipment maintenance
- SOP for maintenance of Computers and Networking
- SOP for Stock Verification
- General Maintenance: Engineering Cell, Security Wing
- Research Policy
- Consultancy Policy
- Manual for Examination Procedures
- Anti-Ragging, anti-eve teasing and anti-drug policy
- Hostel rules and regulations
- IQAC – Quality Management document

### **Service rules and procedures**

The institution strictly follows the service rules according to the AICTE, UGC and JNTUH norms. It's been uploaded on the website too. The institution runs for 8 hours. The teaching and non-teaching faculties have the benefits of EPF and Casual//Medical/Maternity/Compensatory Leaves.

Recruitment is taken place according to the norms of the University and AICTE. The university/management selection committee comprising of Principal, Deans, HOD and Subject experts decide the worthiness of the faculty member by his/her performance in the interview according to the parameters.

### **Recruitment Policies:**

The institute follows AICTE and JNTUH norms for staff recruitment. The HoDs review requirements as

per Teaching Load and submit the consolidated staff requirement to Principal through Recruitment cell and conduct the recruitment as per the norms.

#### **Promotional Policies:**

A promotion is the shift of an employee from one position to another with more responsible duties or requiring more skills. Promotions are based on merit and qualifications required for the higher position. A pay rise is eminent in case of promotions but the Management reserves the right to do so.

#### **Grievance and redressal mechanism:**

Committee members meet to discuss and resolve the grievances, if any received in writing from the concerned students/staff. The committee maintains the minutes of the meetings and submits the copy of the same to the Principal. The committee conveys the decision to the aggrieved students/staff in writing from the institution

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

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

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

- A. All 5 of the above**
- B. Any 4 of the above**
- C. Any 3 of the above**
- D. Any 2 of the above**

**Response:** A. All 5 of the above

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	<a href="#">View Document</a>

#### **6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions**

##### **Response:**

Various committees are in force for the smooth conduction of the day to day work of the institution such as:

- 1 Staff and student welfare committee
- 2 Staff Selection committee
- 3 Discipline and grievance Redressal committee
- 4 Finance committee
- 5 Women well fare committee
- 6 Sports and cultural activities committee
- 7 N.S.S committee
- 8 Anti Ragging committee
- 9 Training and placement committee
- 10 Academic committee/ Advisory committee
- 11 Research and development committee (R&D)
- 12 Staff and Student feedback committee
- 13 Alumni Committee
- 14 Library advisory committee
- 15 Internal Quality Assurance Cell (IQAC)
- 16 Examination Monitoring committee
- 17 Hostel committee
- 18 SC/ST Committee
- 19 Minority/OBC Committee
- 20 Entrepreneur development cell (EDC)
- 21 Board of governors (BOG)
- 22 Industry-Institute Interaction Committee (IIIC)

To state the successful implementation of the activities of the cell for the smooth functioning of the college and for student satisfaction for example of SC/SST cell is explained as follows

The SC/ST Class Cell is formed to facilitate the various schemes to the SC/ST class students and staff members to obey with the norms of the Government in force.

Entry level admissions are done based on eligibility criteria as per AICTE ,12th class and Diploma Engineering .These students are new entry in to the system hence they need proper guidance and support in filling online fee reimbursement(Scholarship) forms on online portal of Social Welfare, Government of

Telangana, to avail the benefit of Scholarships applicable to their category. The officer of the institute with Scholarship section support staff organizes presentation session for these students in and guides them filling the (e-pass) online form. This method helps students to stay away from confusion, clarifies doubts as question answer session is arranged at the end of the program.

**Outcome:**

Once student fills his/her fee reimbursement (Scholarship) form online in first year of his/her admission, he/she will not face any complexity in future. Therefore students become independent and convinced without relying on anybody.

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

### 6.3 Faculty Empowerment Strategies

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

**Response:**

List of Welfare measures provided by the college for teaching and non-teaching staff:

- Faculty members are promoted for personal development programs and higher education.
- Various leaves available for teaching and non-teaching staff are vacation leave, casual

leave, medical leave and maternity leave for ladies staff.

- Tution Fees installments scheme for wards of staff.
- Provident Fund facility for teaching and non-teaching staff.
- In case of emergency, Ambulance and doctor is available in campus.
- The Institute provides college uniform to non-teaching staff (Security Personal and

ayaas).

- Providing Transport facility for teaching and non-teaching staff
- Duty Leave for attending Seminars, Conferences and Workshops.
- For encouraging the faculty towards research and development, the management permits the

employees to attend national and international conferences, seminar, and workshops by

sanctioning them duty leave. Further it also reimburses 50% of the registration fee and

required transport allowances for attending two seminars per faculty in a year.

- Leave for FDP

- Full time faculty members have the provision to pursue their Ph.D. by availing study leave

for two years which can be extended for one more year

- Pure Drinking R.O. Water
- R.O plants are installed at all the coolers available in the college for providing pure and safe

drinking water to the staff and students.

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

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

**Response:** 4.6

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

2017-18	2016-17	2015-16	2014-15	2013-14
5	7	7	6	7

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

### 6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

**Response:** 4.4

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

2017-18	2016-17	2015-16	2014-15	2013-14
5	7	6	1	3

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	<a href="#">View Document</a>

#### 6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

**Response:** 3.96

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
12	3	3	4	4

File Description	Document
IQAC report summary	<a href="#">View Document</a>
Details of teachers attending professional development programs during the last five years	<a href="#">View Document</a>

#### 6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

**Response:**

Teaching and non-teaching staff appraisal forms are submitted and assessed semester wise and annually. This appraisal period is normally defined by the date of joining of the staff members in the institute. These appraisal forms consist of various parameters supposed to be carried over by individual staff during the appraisal period, according to their roles, responsibilities and positions for the institutional as well as self progress. The process of appraisal is as follows- 1. The employee fills appraisal form each year and submits to the concerned Head of the Department or immediate superior. 2. After viewing the details filled by the employee the Head of the Department, if agrees to the information filled, puts his remark and forwards to the Principal. 3. The Principal after receipt of the form calls the employee personally for the discussion and discusses on his/her strengths and weaknesses and qualities with which he/she is rendering the services. Finally takes decision on performance. 4. Based on the recommendations/adverse remark of the Principal, the Office Order is issued to the concerned staff member accordingly. If the performance of the staff is not up to the mark the Head of department issues the warning notice. The institute offers enough time period's for the improvement of the performance to such employees. If the employee receives more than three notices or memorandums in one appraisal period, he/she is recommended for the administrative action as per the rules.



## 6.4 Financial Management and Resource Mobilization

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

#### Response:

The institute has a strategy to conduct the internal and external audit every year. The management has appointed the retired senior Government officials for conducting the internal audit. The internal audit team checks all the accounts, journal vouchers, leave record, service books etc. and submit their report to the Hon. Chairman.

The external audit team conducts the annual audit of the unit as well as statutory audit and issues the audit reports.

The Principal has to submit the compliance report on the queries raised by the audit team (the sample compliance report of last audit is attached for reference)

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

### 6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

**Response:** 5.05

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

2017-18	2016-17	2015-16	2014-15	2013-14
.20	1.00	1.10	0.75	2.00

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>

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

**Response:**

The major source of the funding is Tuition fee from students (Government supports Backward class students in terms of scholarships) in addition to revenue generated from Testing and consultation, Charges for conducting online/offline examination from outsiders, Charges levied to research organization to carry out collaborative research. Since this is a self financing institution, funds so generated are utilized for salary and other expenses of the institution.

Fee of students is decided and approved by the Telanagana Fee Regulating Committee (TFRC), State government of Telangana as per the norms.

Salary expenses include salary paid to teaching, non teaching and guest lecturers and non salary expenses include purchase of equipments, maintenance, infrastructure maintenance, furniture, repair and maintenance, office expenses, printing & stationary and miscellaneous expenses, etc.

The funds are utilized in accordance with the budgetary provisions made by the Ashoka sailaja society and with prior approval of the management.

The purchase committee is formed to monitor and to negotiate on the rates of purchase of any material whose cost is more than Rs. 10,000/-. Call for quotations are floated on website of institutes so long as practicable the simple tools and equipments, furniture are fabricated in institute 'slabs/workshops. Unless necessary maintenance jobs are not allocated to outsiders

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

## 6.5 Internal Quality Assurance System

### 6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

**Response:**

Institute has established IQAC in June 2016 for quality improvement and standardization of the activities carried over in the institute as per the norms and guidelines of different statutory bodies. Though IQAC is recently formed, but institute has always taken care of its quality education since its inception in 2009. For this purpose it has its own Academic Monitoring Committee (AMC) who uses to guide to all the teachers and administrators about their roles and responsibilities. As per the suggestions by AMC institute has adopted some of the best practices which has helped to monitor and report all the activities to promote transparency and student centric approach in the institute. Some of the examples are as follows,

**1. Implementation of Online Feedback:** From very beginning of the institute it emphasizes more on its Teaching Learning process. All the teachers prepare their course file and teaching plan according to the guidelines of AMC and it is well communicated to all the students. Still to ensure the quality of teaching and the learning level difficulties institute has developed two tier feedback systems. It is kind of

satisfaction survey from the students for teacher regarding every individual subject they are teaching in the particular semester.

For the effective implementation of the scheme AMC has developed its software to take online feedback from the students.

All the students studying in the particular class gives their feedback. It is ensured that at least 80% students of the class are present at the time of online feedback. Depending upon this feedback 'no problem percentage' for the individual subject and teacher is observed and if teacher has this percentage less than 50, then they are advised to improve in their teaching methodologies.

This type of feedback is taken twice in a semester to assure the satisfaction of the students and to ensure the quality delivery by the teacher in stipulated time frame. Now, according to the suggestions given by IQAC some of the parameters in the above feedback are modified and a new system is developed.

### 1. Implementation Teacher Mentee (TM) Scheme:

AIET is committed to develop student centric approach. As, most of the students admitting in the institute are coming from diversified family background therefore it requires continuous monitoring and mentoring of the students. For this purpose institute from its inception has adopted the unique TM scheme as per the guidelines of AMC. This scheme ensures performance and overall development of students and communicates same to the parents of students. As per AMC guidelines TM is appointed for 15 to 20 students who keep the overall data of students like their contact numbers, home address, test marks, monthly attendance, etc. TM conducts meeting with these students once in a fortnight. Students are supported by Teacher Mentee as a counselor to ensure academic progress along

. It creates strong bonding between TM with student and their parents. This scheme resulted in improving institutional performance in terms of results, placements and discipline among students.

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

### 6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

#### Response:

Institute continuously upgrades in its teaching learning methodologies to make our graduates industry ready or to be self employed. For this institute has defined its own structure in line with JNTUH curriculum.

Some of the initiatives taken by institute to take the review of learning outcomes through teaching learning process

. Student's performance can be known only after evaluation of Mid examination-1 and Mid examination-2.

To resolve this problem AIET continuously takes feedbacks from its stake holders and these feedbacks are discussed in AMC meetings. It has been identified that our students are lagging in practical approach; therefore AIET has created an academic environment where students 'learn by doing'. To develop this culture AMC has given the guidelines for implementing Project Based Learning (PBL) approach in the institute. Depending upon the learning levels of the students from Diploma to BTech students undergoes different projects which are of innovative kind. Thus, learning outcomes are reviewed periodically through different activities as follows:

These projects are evaluated at the end of every semester by the experts from industry and academia. The students are judged based on their understanding level in the implementation of these projects and accordingly marks are given in the scale of 10.

Group discussions and technical quiz competitions are organized for the students where they showcase their understanding level.

Research paper presentation competitions are arranged where students participate to present their idea in front of the mixed audience and are been judged by the expert panel.

The outcome of this PBL model have reflected through students participation and awards at different national level competitions

AIET follows the transparent model, which helps every teacher and the student to know the academic planning for every semester. Therefore, it has implemented the rigid structure for preparation of the course file. The guidelines for the preparation of this course file are given by AMC/IQAC, which contains all the details required for the implementation of the SUS curriculum. The details of the review process for this course file are as follows:

Every teacher prepares their course file before the commencement of next semester.

AMC/IQAC form department wise expert committees to verify the content and completion of course file and report it to higher authorities.

- Suggestions (if any) are communicated to the respective teacher and its fulfillment is ensured by HoD.
- Teacher gives monthly attendance which is displayed for the students for their verification and their queries are solved, if any.
- Teacher feedback is taken twice in a semester to ensure the quality of teaching and teachers are counseled if required.
- Regular reviews for the timely completion of syllabus are taken and accordingly remedial actions are suggested.
- Data from all the teachers and TMs are collected to finalize the CIE marks.

This process ensures the transparent structure of the institute through different parameters for the evaluation of teachers and students simultaneously. The guidelines for this evaluation and related suggestions are discussed in AMC/IQAC meetings and accordingly further actions are taken.

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

### 6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

**Response:** 7.6

#### 6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5	9	9	11	4

<b>File Description</b>	<b>Document</b>
Number of quality initiatives by IQAC per year for promoting quality culture	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
IQAC link	<a href="#">View Document</a>

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

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

**A. Any 4 of the above**

**B. Any 3 of the above**

**C. Any 2 of the above**

**D. Any 1 of the above**

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

File Description	Document
Details of Quality assurance initiatives of the institution	<a href="#">View Document</a>
Annual reports of institution	<a href="#">View Document</a>

### 6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

#### Response:

Though institute has short history of seven years still it has its own well planned system because of which institute is progressing day by day. Some of the improvements related with the Institute, teachers and students progress are listed below:

Institute has formed Internal Quality Assurance Cell (IQAC) in June 2016.

Different Deans for Academic, Administration, Student Welfare, PG program and Higher Studies and Career Counseling are appointed to monitor related activities

To inculcate the research culture amongst students and teachers, Institute formed Research Centre (Centre for Research and Development).

Institute has decided to go for NAAC Accreditation and National Institute Ranking Framework (NIRF).

Institute has adopted transparent policy for CIE/ICA.

To inculcate the culture of discipline, Institute defined Code of Conduct for students and teachers.

Institute follows a well defined Academic Calendar made according to schedule of JNTUH, Hyderabad.

To evaluate the departmental development, it is decided to publish Annual Reports and News Letters by all departments.

To improve the Teaching-Learning process, Institute has motivated students and teachers to register for NPTEL Certification courses.

Teachers are motivated for organizing and attending STTP/FDP/Workshops/Seminars/PIP.

To motivate the teachers and staff, Institute has initiated to give Best Teacher and Best Employee awards.

Student result of the university examination (internal mid examinations and University end semester examinations) is improving day by day.

To increase the campus placements, Institute has started to train the students for aptitude tests as well as soft skills and conducts the "skill rack".

To improve the technical skills amongst students, Institute has initiated Value Addition Programs.

To inculcate the culture of Project Based Learning, the system of Lab Innovations has been initiated.

Students participated in National Level Competitions like Robocon, and Hackathon etc.

To develop the culture of entrepreneur, Institute formed Entrepreneurship development Cell.

Institute has established the Alumni cell to work as link between the alumni and institute. This cell regularly performs the function of maintaining constant and close touch with the alumni.

To create awareness about social responsibility amongst students, Institute has started organizing Techno-Social Awareness camps through National Service Scheme (NSS).

To improve student's presentation skill, they are made compulsorily to give technical presentation

To gain additional technical knowledge each department has started to organize expert lectures from academics and industries.

Student's participation in PBL has been increased.

Student started coordinating activities through student council and departmental association

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

**Response:** 18

##### 7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	3	3	3	2

#### File Description

#### Document

Report of the event

[View Document](#)

List of gender equity promotion programs organized by the institution

[View Document](#)

#### 7.1.2

##### 1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

#### Response:

All staff and students, appreciate similar rights, assets, openings and assurances in the organization as conceived by UNICEF. Following practices are embraced in the establishment to guarantee sexual orientation value:

Safety and Security:

Very secure grounds watched by satisfactory number of security protects working 24x7.

Separate lodging office for young ladies and young men in the grounds.

Hostile to ragging advisory group has been established and contact subtle elements of its individuals are shown at noticeable spots.

Hostile to ragging squads visit inns much of the time. Female personnel on grounds visits women lodgings.



Full time superintendents are accessible in inns to give day by day consideration towards every one of the understudies

Separate perusing room distributed for young ladies in focal library. Security men go with young ladies to inn amid night library hours in preliminary leave period.

Transport facility for 24 hours to achieve healing facility in crisis restorative circumstance is additionally accessible.

Reserved seats for females are accessible in institutional transport transports.

An organized arrangement of facility; facility for the understudies is accessible which is checked entirely.

Counseling of staff and students:

Amid yearly appraisal, each staff part is being heard by the Main and their questions are comprehended, if any organization have received the open methodology framework where each staff and understudies can access to any of the expert, to determine their issues

Important cells are formed to address every issue regarding students and faculty

In the principal message for fresher's and Guardians' meet declaration of statutory bodies is made Instructor watchman plot is accessible for coaching of the considerable number of understudies

The Internal Complaint Committee (ICC) has been shaped and contact points of interest of its individuals are shown at noticeable spots.

Bookings for female competitors and their portrayal are entirely clung to standards.

Maternity leaves according to rules are given.

There is no separation in pay, charges, advantages, enhancements, accountabilities, obligations, powers, acknowledgments and so on.

Online Complaints enrollment entrance is accessible.

Basic Room:Basic Rooms office for Young men's and Young ladies' are accessible.Separate wiped out rooms are accessible.

Candy machines for clean napkins are accessible in Young ladies basic room

Institutional Activities to address sex affectability issues:

Self preservation instructional courses are directed with the assistance of experts and graduated class for young lady students.

Free Hemoglobin check up camp was led for young ladies to make them aware of medical problems.

International womensDay is praised each year to support the resolve.

A Specialist Address on "General attention to Restorative Wellness" was sorted out in the organization.

To make mindfulness about lewd behavior, half day workshop was directed. In this workshop Anticipation, Disallowance and Redressal act were examined with understudies by the famous legal counselor Mrs Geetha rani.

Because of these offices and activities, every one of the understudies and staff individuals feel great amid their stay in the grounds

### 7.1.3 Alternate Energy initiatives such as:

#### 1. Percentage of annual power requirement of the Institution met by the renewable energy sources

**Response:** 0.01

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 3.36

7.1.3.2 Total annual power requirement (in KWH)

Response: 24194

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 7.1.4 Percentage of annual lighting power requirements met through LED bulbs

**Response:** 18.64

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: .8117

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 4.3537

File Description	Document
Details of lighting power requirements met through LED bulbs	<a href="#">View Document</a>

**7.1.5 Waste Management steps including:**

- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

**Response:****Waste segregation**

**Waste Segregation** means dividing waste into dry and wet. **Dry waste** includes wood and related products, metals and glass. **Wet waste** typically refers to organic waste usually generated by eating establishments and is heavy in weight due to dampness. Waste can also be segregated on basis of biodegradable or non-biodegradable waste.

Landfills are an increasingly pressing problem. Less and less land is available to deposit refuse, but the volume of waste is growing all time. As a result, segregating waste is not just of environmental importance, but of economic concern, too.

In our college we have adopted the technique for segregation of waste in order to place in two Dust bins every floor in college, hostel and nearby canteen. This will help to maintain cleanliness and segregation of plastic, paper and food wastes.

**Organic Waste Management:**

For disposal of Organic Waste, the College has adopted the route of vermin Composting. Vermin composting is a method of preparing enriched compost with the use of earthworms. It is one of the easiest methods to recycle agricultural wastes and to produce quality compost. Earthworms consume biomass and excrete it in digested form called worm casts wherein the waste is collected in a pit and after the composting the same is used as fertilizer.

**Liquid Waste Management:**

The waste water generated is collected in a septic tank. The septic tank is cleaned regularly by Municipal sludge collecting vehicle. septic system is a living ecosystem where bacteria do the work of digesting and treating waste. The septic tank retains fats and solids, and releases the liquid portion of the waste. This liquid effluent flows into the disposal field and is further treated by the soil.

A healthy septic tank is a well balanced ecosystem where good bacteria thrive in the right amounts to digest waste and treat the effluent water.

**e-waste**

Different types of e-waste generated in the Institute like harmed C.D.s, CPUs, Hard Disk Drives, Monitors, Keyboards, Cables, and Cartridges and so on are gathered together from all offices and handed over to an outer e-squander reusing organization.

Paper squander, cardboards, container boxes, utilized documents and so on are sold to outer organization

for reusing after frequent intervals. Scrap from workshop is utilized to fabricate different articles like paper weight, tokens and so on under the heading of 'best from waste' to assist our understudies with gaining hands on training and in the meantime to reduce our costs, wherever conceivable. The staying waste from workshop is sold out.

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

### 7.1.6 Rain water harvesting structures and utilization in the campus

#### Response:

Over the past few years, there has been an increase of water shortages in several parts of the world. It is vital that ideal measures are put in place to help to reduce the high rate of water loss. With the change in climate patterns, people need to be aware of the alarming water shortage that we face currently and the imminent danger of severe shortage in the future. In our campus, to achieve rain water harvesting (RWH) the pipes are laid down from the roof of all the buildings to collect and storage in the open lake after that convey and recharge by disposing of in dry bore well. After recharge rise in ground water table, increases water level in well. Ground water then utilized from well for the various purposes such as bathing, gardening etc. in the campus. Also to account conservation and preservation of natural resource, drip and sprinkler irrigation system is used for gardening.

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

### 7.1.7 Green Practices

- **Students, staff using**
  - a) **Bicycles**
  - b) **Public Transport**
  - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

#### Response:

Institution has taken lots of efforts to make the campus green and pleasant. There are 2000 various trees and plants attractively positioned all over the campus. The tree plantation is still in progress.

The nourishment process includes watering trees by drip irrigation system and providing timely and optimum fertilizers and pesticides for their better growth.

To promote the awareness of environmental conservation, institute offers/presents in the form of Plants/shrubs (instead of bouquets) to guests and experts invited to the institute. The institute believes in **“Save trees, save environment.”**

Air Pollution is controlled by encouraging use of bicycles, Shared cars and buses.

Burning of garbage is prohibited.

### **Plastic free campus**

Plastic free campus is practiced by following activities:

1. Use of plastic carry bags is banned.
2. Water coolers are situated at every building; hence use of plastic water bottles is minimized.

### **Paperless office**

The paperless office is maintained by executing following activities:

1. Soft copies of notices are served.
2. Minimal printing that too on both sides of papers.
4. Students' response/data collected through Google forms.
5. GATE exam practice tests are conducted on line
6. Civil Services coaching for bright students

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

### **7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years**

**Response:** 0.8

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
2.50	1.44	3.49	2.52	2.60

File Description	Document
Green audit report	<a href="#">View Document</a>
Details of expenditure on green initiatives and waste management during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

**Response:** B. At least 6 of the above

File Description	Document
Resources available in the institution for Divyangjan	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
link to photos and videos of facilities for Divyangjan	<a href="#">View Document</a>

### 7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

**Response: 15**

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	3	3	1	4

**File Description****Document**

Number of Specific initiatives to address locational advantages and disadvantages

[View Document](#)**7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)****Response: 10**

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	2	1	2

**File Description****Document**

Any additional information

[View Document](#)**7.1.12****Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff****Response: Yes****File Description****Document**

Any additional information

[View Document](#)

URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics

[View Document](#)

**7.1.13 Display of core values in the institution and on its website****Response:** Yes

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Provide URL of website that displays core values	<a href="#">View Document</a>

**7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations****Response:** Yes

<b>File Description</b>	<b>Document</b>
Details of activities organized to increase consciousness about national identities and symbols	<a href="#">View Document</a>

**7.1.15 The institution offers a course on Human Values and professional ethics****Response:** Yes

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Provide link to Courses on Human Values and professional ethics on Institutional website	<a href="#">View Document</a>

**7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions****Response:** Yes

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Provide URL of supporting documents to prove institution functions as per professional code	<a href="#">View Document</a>

**7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years**



**Response: 16**

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	4	5	2	2

File Description	Document
List of activities conducted for promotion of universal values	<a href="#">View Document</a>

### 7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

**Response:**

Independence Day and Republic Day are celebrated each year without trade off. Visitors identified with Indian armed force, naval force and aviation based armed forces are welcome to recount the accounts of patriotism and undertakings by awesome legends for the country. Staff and understudies become more acquainted with the significance of national trustworthiness in the nation in general what's more, their job in it specifically.

Birthday of Dr. Mokshagundam Visheshwarai is commended as Engineers' Day. Every one of the divisions sort out specialized rivalries on the event. Recognized visitor is welcome to address the understudies and staff to move the network to exceed expectations as architects following the way of the colossal identity. Speakers bring out important information in the field of rising advances and headways. National Science Day is celebrated in the memory of Dr. C.V. Raman. Publication introductions and test rivalries are directed and achievers are regarded with endorsements. Researchers in the region from the focal and national associations are welcomed as visitors to propel personnel and understudies by bringing the setting of most recent creations and research. Passing commemorations of awesome people of national significance are set apart by paying tribute and reviewing their commitment to the country

### 7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

**Response:**

The institute owns and follows very transparent policy for all the stakeholders which are governed by the local management committee. In every academic year, budget is planned and prepared as per the requirement and displayed. Purchasing is done through a proper channel and after verifying at least three

quotations. We have a transparent fees collection policy for any kind of fees with the challan generated by the account department and it will be deposited to the Ashoka sailaja society along with requisite slip.

Academic policy includes academic calendar, load distribution, time table, portfolio allotment, continuous assessment scheme, department advisory board, academic monitoring committee; yearly academic annual report is maintained and discussed amongst the all stakeholders

### **Academic Transparency**

- Workload & academic calendar is made known to teachers in advance.
- Monthly reviews of performance and attendance are taken. Defaulters are identified and heard.
- Decisions of weekly HoD meeting are communicated next day to all.
- Various parameters of assessment of CIE and individual credits are displayed.

### **Administrative Transparency**

- Details of all activities/charts/norms/policies are displayed on the website
- Assessment records of best staff and students are displayed
- Teaching feedback is made known to respective teacher.
- Every employee is heard before finalizing the appraisal by reviewing authority
- An open ended system is followed where in any stake holder can reach any authority and represent under critical circumstances.

### **Financial transparency:**

- Involvement of faculties and Heads in Budget preparation.
- Purchase committee floats 'Call for quotations' on website
- Norms for share through revenue generation are made known
- Periodic Auditing is carried over

### **Auxiliary functions:**

While conducting various programs such as STTP/STPs/FDPs/Refresher courses/ counseling programs/Career guidance programs/exhibitions/ technical events they are given wide publicity so that all aspirants in society can participate.

## **7.2 Best Practices**

### **7.2.1 Describe at least two institutional best practices (as per NAAC Format)**

**Response:**

## 1. Title: Multi-monitoring system

Institute practices multi-monitoring system for students at two levels.

**I. Administrative level:** This includes monitoring by Principal, Dean Academics, Head of Department, Departmental Academic coordinator and Faculty mentor .

**II. Academic level:** This includes monitoring by Principal, Dean Academics, Head of Department, Departmental Academic coordinator, module coordinator, course coordinator and subject teacher.

## 2. Goal:

- To achieve aspiration of youth.
- Effective interaction between Teacher-student-Parent.
- To provide academic support to the student in improving their academic performance.
- To ensure holistic development of student.

## 3. Context

The student of current generation is multidimensional and undergoing heavy academics along with social and financial concerns. To maintain the focus on overall and holistic development, the monitoring of student is essential for better performance in academics and other activities. The institute committed by its vision to be responsible for students overall development.

## 4. The practice

**I. Administrative level:** Principal as a head of institute monitors whole system at the academic as well as at the administrative level. Under the guidance of Principal one faculty is deputed as Dean Academics(DA) at college level and one faculty from each department is appointed as departmental academic coordinator (DAC). DAC is responsible to execute implement and monitor effectiveness of curriculum. DAC prepare academic calendar at the beginning of each semester which includes different activities like tests, assignment execution, seminars, workshops, industrial visits, cultural-social-technical activities and schedule of meetings with Principal, academic coordinator and HOD. DAC is responsible for maintaining records of monthly attendance, status of syllabus completion and records of GFM activities.

GFM is a Faculty mentor faculty member of a particular class who plays important role in mentoring of students, monitoring their attendance, preparation of monthly attendance. GFM also acts as mediator between institute and parents.

**II. Academic level:** In each department, different modules are formed as per the requirement which is controlled by the program coordinator. Each module is coordinated by module coordinator. For a particular course one faculty is appointed as a course coordinator. In the start of each semester, Faculty Development Program is arranged to prepare teaching plan, practical plan, unit wise question bank, MCQs, assignments of respective subjects which is monitored by HOD. The advantages of implementing the multi monitoring system in institute is that it leads to an efficient exchange of information by following ways

1. Efficient lines of communication enhance productivity and allow for quick decision-making.

2. Heads of department are involved in the day-to-day operations, which allow them to make decisions through the viewpoint of subordinates.

3. This system helps in overall development, achievement of students which is beneficial for growth of the institute.

#### **5. Evidence of success**

Friendly interaction with stakeholders.

Academic performance is increased.

Smooth conduction of the academics.

Team spirit among faculty and students.

#### **6. Problems encountered and resource required**

Time constraint for completion of the activity due to hectic schedule.

#### **7. Motivation**

Publicity by university rankers.

Interaction between faculty and student is enhanced.

Two hours are reduced from load of faculty members to get proper time for research and future plan of the institute.

#### **Best Practice-2**

#### **2. Best Practice No.2: Student Development Program (SDP)**

##### **Title: Student Development Program**

##### **Objectives:**

Assist students to develop their academic and career interests Help students to achieve their short term and long term goals Train students to improve to match with industry needs Organize pre-placement trainings, workshops, seminars for students Provide resources and facilities for their career planning Analyzing students skill sets by third party assessment

##### **Context:**

There is rigorous requirement for SDP as majority of students in institute are from rural background and they lag in following skills,

1. Presentation skills: Being professional graduates students are required to acquire presentation skills to

deliver their thought process using modern aids

2. Communication Skill: Majority of engineers' works in corporate where English is globally accepted language; therefore it requires grooming their verbal skills.
3. Public speaking: Students find it difficult to talk in front of group due to lack in confidence and nonverbal skills.
4. Soft skill: Engineering is professional course where students require knowing etiquettes and manners while dealing with others.
5. Inexpressive: As these students are strong in technical and analytical skill but due lack of impressive representation they face problems during interviews.
6. Leadership quality: Due to lack of interpersonal skills student does not take lead in most of the activities.

**Practice:**

To implement SDP model in institute following initiatives are taken,

1. Student presentations: To improve student presentation, communication and public speaking skills institute provides platform from second year onwards where students give presentations using LCD projector. It is planned activity which is incorporated in time-table as Student Activity Hour.

Institute appoints dedicated coordinator to monitor the implementation of this activity. Every CCensures smooth conduction of student presentations. subject-teacher/allotted-guide use to help students to prepare and finalize their contents. Every student is evaluated separately during presentations depending upon their skill sets and knowledge.

This activity is carried out in two phases:

Technical presentation: At second year, group of students gives presentation on any of the technical topic of their interest. They are free to choose this topic either from curriculum or recent trends.

Profile presentation: At third year, individual student prepares and present his/her profile in the class. Student is required to present self introduction, goals, achievements and projects carried over during graduation period.

Student presentation helps them to increase their stage courage, confidence along with verbal and nonverbal skills.

1. Student training: To make students to face final interviews, institute takes efforts from first year itself which is monitored by TPO where departments help in smooth conductions of these trainings.

This training module is carried out in four stages

Communication skill: Students at first year undergo communication skill training. A dedicated teacher is available to conduct these sessions. A separate language lab with required ICT facilities is available in

institute.

**Soft-skill:** For second year students separate soft-skill training is provided by external experts, which helps students to improve their nonverbal communication and leadership qualities

**Aptitude training:** Third year students undergo aptitude training which has different modules as quantitative and logical reasoning. This helps students to prepare for aptitude tests required for placements and competitive examinations.

**Pre-placement training:** When students enter in final year they are trained on company specific modules which include soft-skills and aptitude training from corporate trainers. Along with these trainings students are analyzed by third party professionals on the basis of their technical and non technical skills from second year onwards and their results are shared with every individual and TG. Accordingly TG counsels students in their merits and demerits.

To help institute, alumni also join their hands in this training program and share their expertise as and when required.

### **Evidence of Success:**

By following SDP at institute level it has reflected in many ways

1. **Placements:** Since only four batches have passed out till date and institute has started implementing SDP model from academic year 2014-15. Year wise number of placements is as, 2013-14(44students), 2014-15(36 students), 2015-16(100 students) and 2016-17 (192 students). Thus, from 2013-14 till date an exponential rise in students' placement can be observed after implementation of SDP model.

2. **Participation at various events:** Now a day most of the co-curricular and extracurricular activities in the institute are conducted by the students where students play different roles as coordinators, volunteers and participants to develop their leadership and soft skills. Students have participated and won various prizes and awards in the competitions outside institutes based on their presentation and communication skills

3. **Recognition at their work place:** It has significantly observed that our alumni have shown remarkable progress at their respective workplaces. Most of them have received best employee awards for their contributions. It is due to the active participation of these alumni during their graduation days in overall SDP modules.

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

Some of the problem arose at different levels in full fledged implementation of SDP due to geographical location of institute as,

1. **Student level:** Students don't get the exposure to develop their soft skills since they are from rural area. So, it becomes difficult and time consuming for them to prepare, participate and perform well in both SDP and academics simultaneously.

2. **Trainer level:** Since SDP is implemented in time table it becomes difficult to find full time trainers to be residing in the campus

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

### 7.3 Institutional Distinctiveness

#### 7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

##### Response:

AIET Vision, priority, and thrust are focused on:

Provide Value based education to shine in academics.

Conduct Interdisciplinary research in cutting-edge technologies.

Producing collectively responsible engineers, managers, entrepreneurs leading to the sustainable socio-economic progress of the nation.

Dedicated to serving the society, AIET with its environment of innovation pledges to reinvent itself from time to time and has an integrated model for all its activities of teaching, research, innovation and extension activities. The distinctiveness of the institution lies in its philosophy “ Education Process Reengineering(EPR) “.

The Education Process Re-engineering(EPR Model is widely disseminated by four

critical faces in the Organization to develop the structure under critical success factors and sub functions.

The 4 faces are:

1. Excellence in Academics
2. Exploration of Knowledge through Research
3. Excitement of Innovation & Entrepreneurship
4. Exponent for Development of a Rounded Personality with Global Vision and Social responsibility

##### Excellence in Academics:

A high quality of academic excellence can provide value-added experience for the students. The positive outcomes are achieved by designing the curriculum to meet the global requirements and through teaching learning methods blended with ethical values. It outlines the commitment to academic performance expected of all students. The structured induction of the student into the curriculum enables to visualize the career opportunities and the approach towards achieving them.

### **Exploration of Knowledge through Research:**

The Institute's determination to be transformed into a center for major research is therefore, in itself, a commitment to offer high quality teaching through:

### **Synergies between Research & Education Activities**

#### **Research Based Learning & Teaching**

The Course based projects, Social impact projects, certificate courses offered by the institute provides the knowledge regarding cutting edge technologies, enabling the students to carry out inter-disciplinary research. The Centre for Research and Development (CRD), of the institute is equipped with advanced level research Laboratories to facilitate the academic and sponsored projects.

#### **Excitement of Innovation & Entrepreneurship:**

The institute provides a platform to business Start-ups to develop their ideas into commercially viable products. The students participate in the Big Idea Competition and the best ideas are rewarded. Week End Lab facilitates the students to work on innovative project ideas. AIET encourages the stakeholders to incubate the selected projects, by providing the seed money and infrastructure based on their credentials.

ED Cell crucially works on generating the excitement in the young engineering brains to produce innovation and thus laying the stones for entrepreneurship.

#### **Exponent for Development of a Rounded Personality with overall Vision and Social Responsibility:**

Participation of students in Co-Curricular and Extra Curricular Activities helps to enhance all rounded personality to strongly face the turbulent road of the future. Experiences and appreciations gained through these activities assist students during internships. Career guidance, Personal Self Study counseling, Training are well planned through a Training and Placement center.

Student participation in Co-Curricular and Extra Curricular Activities are facilitated through professional bodies and student associations.

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



## 5. CONCLUSION

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### **Additional Information :**

- ASHOKA Institute of endeavoring to create ambience being followed by top class Institute like IITs and NITs and other Institutes is in the process to build infrastructure.
- The Institute has recruited best available faculty.
- A very personalize care is being taken of the students, staff and faculty unparallel in education Industry.
- The Institute is ceaselessly working to ensure of 100% results, University toppers, and 100% placements and self employment.

### **Concluding Remarks :**

- In nutshell the Institute aspires to achieve number one position in Telangana in terms of Infrastructure, Faculty quality, student performance and general ambience.