

# **SELF STUDY REPORT**

**FOR**

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

**KAKINADA INSTITUTE OF ENGINEERING AND  
TECHNOLOGY**

**YANAM ROAD, KORANGI TALLAREVU MADAL EAST GODAVARI DISTRICT**

**533461**

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

**SSR SUBMITTED DATE: 28-02-2018**

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**February 2018**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Kakinada Institute of Engineering and Technology (KIET) endeavors to groom expertly skilled, socially and environmentally conscious, industry-ready, global citizens and through that navigate towards the socio-techno-economic transformation of the region and beyond. The college has seen tremendous growth since its Inception in 2001 by Mr. P.V.Viswam, Founder & Chairman. The college is currently affiliated with Jawaharlal Nehru Technological University, Kakinada and approved by All India Council for Technical Education (AICTE).

KIET campus is located amidst 20 acres of lush greenery and tranquil atmosphere at Korangi village, Tallarevu Mandal, East Godavari district, Andhra Pradesh. It is approximately 16 km away from Kakinada, bordering the National Highway NH- 216, and is about 43 km from Amalapuram.

The college focuses on imparting core-learning and entrepreneurial abilities to the students and ensuring that they are technically and otherwise well equipped to excel in the ever-evolving world of technology and science. KIET also strives to inculcate, in the students, a sense of social and environmental responsibility.

KIET, by creating and enabling an eclectic and intellectually vibrant ambiance, has helped students immerse in conscious as well as subconscious learning. The college is known for its excellence in Academics, Sports, Placements and Holistic development of the students.

### **Vision**

To grow as an institution excelling in nurturing youngsters in self-actualization, imbibing universal values and inventing environment-friendly technologies.

### **Mission**

To continuously build an eclectic ecosystem that fosters fresh thinking and environment-friendly consciousness.

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

### **Institutional Strength**

- 1st Ever BOSS MOOL Laboratory outside IITM, Chennai
- TCS accredited campus
- AP State Development Corporation(APSSDC)
- Coding Café – where students practice Programming
- Online Programming Workbench in association with HEBEON

- Robotics Laboratory in partnership with Jay Robotics
- ABHIYAAN – 21 Day Induction program for freshers
- Encouragement to enroll in Internships
- Faculty Development Workshops with IITB, IITKg, IITM
- Mandatory enrolment of NPTEL & SWAYAM Courses for faculty and students
- Community Service opportunities through NCC and NSS Units
- Adequate Infrastructure
- Wifi enabled Campus
- Well equipped Classrooms & Laboratories
- Quality Teaching Faculty with excellent Technical and Communication skills
- State of the art Library
- Biometric Attendance for Students & Staff
- Resourceful Management Team
- Strong Industry connect
- Well placed and involved Alumni

### **Institutional Weakness**

- Lack of thriving industry in the surrounding areas
- Subsequently, less availability of Ph.D. scholars willing to work in this region
- Lack of proximity to State/Central Government research bodies
- Sponsored research is yet to start
- Language barrier for students previously educated in regional languages

### **Institutional Opportunity**

- Transitioning into a Research hub
- Strengthening Industry Interaction
- Steady networking with other colleges for better utilization of resources
- Involve more students in more Rural Development projects.
- Women empowerment Initiatives in higher education, workforce, and Sponsored Research
- Understanding Technology trends to make teaching processes more tailored and relevant
- Organizing seminars & workshops in collaboration with IITs and other premier institutes
- Offering interdisciplinary projects in the emerging areas with industry collaboration

### **Institutional Challenge**

- Quality teaching resources crunch in the industry
- Bridging skill gap between students and industry requirements
- Quality research work
- Attracting meritorious incoming students
- Irregular student fee reimbursements from the state governments

## **1.3 CRITERIA WISE SUMMARY**

## **Curricular Aspects**

Kakinada Institute of Engineering & Technology (KIET) is approved by AICTE and affiliated to JNTUK Kakinada, AP. The Institution provides various facilities for successful implementation of curriculum to meet the Vision, Mission, and Quality Policy. KIET follows the JNTUK curriculum & syllabi and its implementation is effectively planned based on periodic meetings. The university curriculum was framed taking into consideration the many cross-cutting issues relevant to Gender, Environment, Sustainability, Human Values, Professional ethics and Core subjects. Improvements to the curriculum are regularly sought and obtained from stakeholders and are analyzed and implemented to fill the curricular gaps.

The institution has well-documented and established procedures for planning, execution, evaluation, and enrichment of the curriculum. The Institution has a well-qualified and experienced team of faculty members, Smart Class Rooms, ICT enabled facilities with access to the Internet, Industrial Training, and E-Resources. Faculty members are encouraged to participate in FDPs and Workshops/Seminars conducted by various institutions to further excel in their fields. Additionally, KIET also invites experts from related Industries to conduct various skill development programs and thus provide industry connect with the students.

The Institute takes pride in offering able guidance and flexibility to students in choosing electives, value-added courses that are most beneficial to their academic and professional development. KIET actively engages with all its stakeholders and beneficiaries; it maintains industry connect through MOUs and often acts on valuable inputs from industry experts visiting the campus, has an open line of communication with the students, parents, faculty, and alumni.

## **Teaching-learning and Evaluation**

KIET offers various courses to match the requirements of evolving changes in various fields of technology. The Admission process of B.Tech courses in the institution follows the rules framed by the entrance test [EAMCET] convenor. KIET primarily offers four types of programmes such as B.Tech, M.Tech, MCA, and MBA. The college endeavors to impart quality education and generate knowledge through research and development activities. Further, students are encouraged to participate in NSS, NCC and many other extra-curricular activities for their all-round development.

The college collects data of dropouts, differently abled students, slow-learners and students with limited financial resources every academic year. Slow learners are counseled and provided additional help to ensure better academic. The institution, also, makes sure that all the facilities provided in the campus can be utilized by differently abled students. The academic activities of the institution are based on the academic calendar of the affiliated university, JNTUK. All the teaching staff makes use of AV material and PowerPoint Presentations for more effective teaching. The selection process of staff is conducted as per AICTE norms. The College has a transparent and participative mechanism for student evaluation, enabling continuous monitoring of student progress. The examination department comprises of a senior staff person as convenor and other staff as members. It is constituted to handle issues regarding exam evaluation process. At the end of each test, progress report containing test results and attendance status is updated to the college website for further needful action.

## **Research, Innovations and Extension**

Promotion of learning through research is one of the most important focus points at KIET. The College has a

Central Library with advanced books, journals, and e-resources. Fully equipped laboratories and a specialized research facility are provided. Industry experts, Professors from National Institutions and Bodies are invited as resource persons for seminars & workshops. The institutions Ph.D. holding teaching staff and a few staff members are recognized as Research Supervisors. There are also ongoing research projects and a good number of research publications in reputed journals. The College website publishes prioritized research areas. The faculty is encouraged to participate in National and International conferences and workshops.

Students are socially sensitized and made aware of their myriad responsibilities through community service programmes organized by NSS and Outreach programmes. KIET has also established a Robotics Centre for Enhanced learning (RCEL) Laboratory in collaboration with the industry to promote learning and research in the domain of robotics. KIET also takes pride in having established an E-YANTRA lab in partnership with IIT-MUMBAI.

Taking support from IIT Chennai and IIT Mumbai, the Institution guides and helps students secure internships. Students are familiarized with various industries through industrial visits every year. Communication channels with industries, institutions, research centers / social service organizations are forged for framing relevant curriculum, enhancing research, providing hands-on experience / on-job training for student projects and carrying out social welfare programmes.

### **Infrastructure and Learning Resources**

To keep pace with the growing demands of higher education, Kakinada Institute of Engineering Technology provides adequate physical and academic resource facilities. As a security and safety measure, KIET makes use of CCTV Camera surveillance for the entire campus. A hostel, with a Study Hall, Dispensary and necessary essential and recreational facilities, provides a comfortable stay for residential students. Biometric attendance for staff and students is mandatory. All the classrooms are equipped with LCD Projectors to enable a more immersive class experience. The Library is adequately stocked with all the required textbooks, reference books, journals and general books. The Central Library is computerized with the 'ILMS SOFTWARE – Bees Campus software/Bees ERP', for easy access to book reference and circulation. NPTEL, Edyst, HEBEON and many other online learning programs of MOOC's like Coursera.com can be accessed via the digital library. KIET routinely updates its stock of computers and other required academic accessories.

The college is a remote center for conducting workshops under NMEICT. An adequate budget has been allocated for the proper maintenance of infrastructure and academic support facilities. KIET follows strict Procedures for Maintaining And Utilizing Physical, Academic and Support Facilities – Laboratory, Library, Sports, Computers, Classrooms Etc.

To encourage sports, KIET provides free admissions in UG & PG courses to students excelling in sports. Students are trained by certified coaches from National Institute of Sports (NIS) in Yanam. KIET linked up with Andhra Cricket Board Association to construct cricket stadium. KIET students also represent JNTUK sports teams.

### **Student Support and Progression**

Facilitating mechanisms like Career guidance cell, placement cell, grievance redressal cell and welfare measures are set up to support students. Provisions have been made for providing bridge courses and value

added courses in relevant areas. The Institution has a well structured, organized guidance and counseling system in place.

KIET strongly believes that students of all levels should be provided with the necessary supporting platforms to progress. Career counselors and motivational speakers are invited to the college on a regular basis to help students with identifying the right career path for them. Experts from the industry are regularly invited to conduct workshops, seminars and mock interviews for the students and provide subsequent feedback.

The institution actively encourages students to take part in social, cultural, academic, and sporting activities. As part of this, several technical fests are conducted, NSS and NCC divisions are actively run and student chapters of reputed professional organizations such as CSI are established.

The alumni association was started in the year 2009 with a motive of bringing together all the Alumni to share their experiences and inspire the students. It organizes various technical seminars, guest lectures and guides students in their academic and professional endeavors. It offers scholarships & Cash Awards to meritorious, economically disadvantaged students and to GATE top rankers of the college.

Every year, all the outgoing students of KIET are welcomed into the KIET Alumni fold. Their presence in the Institutional fold helps build more personal and sustainable relationships with the outside world.

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

KIET has the vision to grow as an institution excelling in nurturing youngsters in self-actualization, imbibing universal values and inventing environment-friendly technologies. The Governing body designs Short-term and Long-term plans accordingly. The institute is headed by the principal in tune with the Vision and Mission. The operational aspects are decentralized into Academic and Administration departments for more operational efficiency. The College uses “BEEs software” for E-governance. It has various modules to support the organization at various levels of management. KIET has well-formed committees as per the requirements of the institute and as per the guidelines of “AICTE”.

KIET has effective staff welfare structures like PF loans and maternity leaves. Additionally, it provides financial support to the faculty to attend conferences. It also provides financial aid to the teaching and non-teaching staff during training programs.

A fully computerized accounts section is established in the college and a double entry system of bookkeeping is followed to maintain the accounts of the college. Before the end of each financial year, the accounts of the college are subject to an external audit by a qualified Chartered Accountant appointed by the Governing body.

KIET undertakes concrete steps for the overall development of students and faculty members and resultantly established IQAC in September 2017. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of the institution.

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

The institution conducts socially essential gender equity programs to empower girl students. Apart from periodic motivational programs, the institution also provides for counseling services. Common room facilities

are provided for beneficial group interactions to take place. Absolute priority is given to the safety & security of students in the campus.

The Institution adheres to a conservative utilization electricity and water. Sustainable waste management procedures are in place. Being located in a coastal area with saline groundwater, KIET conserves and utilizes rainwater through a sophisticated Rain Water Harvesting system. Students and staff are encouraged to use bicycles & public transportation for conveyance. E-Governance system has been adopted to transition into a paperless office.

KIET offers best resources such as Braille software facility, Restrooms, Scribes for examination. for Differently Abled Students & Staff. The Institution also contributes to and supports the local communities with timely aids.

For better organizational standards, the Code of Conduct has been well articulated and each point is clearly emphasized. Stringent policies are implemented to prevent and address ragging issues. KIET regularly constructs thoughtful infrastructure and puts in place widely accepted best practices to offer the best possible academic and learning environment for the student and teaching communities.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	Kakinada Institute of Engineering and Technology
Address	Yanam Road, Korangi Tallarevu Madal East Godavari District
City	Kakinada
State	Andhra Pradesh
Pin	533461
Website	<a href="http://www.kiet.edu.in">www.kiet.edu.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	T Venkateswara Rao	0884-2304050	7729966800	0884-230386 1	office@kietgroup.c om
IQAC Coordinator	C Subash Chandra	0884-2303400	9848702244	0884-230346 4	cs@kietgroup.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	01-01-2001



**University to which the college is affiliated/ or which governs the college (if it is a constituent college)**

State	University name	Document
Andhra Pradesh	Jawaharlal Nehru Technological University,Kakinada	<a href="#">View Document</a>

**Details of UGC recognition**

Under Section	Date
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>	25-03-2017	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	Yanam Road, Korangi Tallarevu Madal East Godavari District	Rural	19.43	24904

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BTech,Civil Engineering	48	XII or Intermediate with EAMCET	English	60	39
UG	BTech,Electrical And Electronics Engineering	48	XII or Intermediate with EAMCET	English	120	35
UG	BTech,Mechanical Engineering	48	XII or Intermediate with EAMCET	English	240	96
UG	BTech,Electronics And Communications Engineering	48	XII or Intermediate with EAMCET	English	240	136
UG	BTech,Computer Science Engineering	48	XII or Intermediate with EAMCET	English	120	111
PG	Mtech,Electrical And Electronics Engineering	24	BE or BTech with GATE or PGECET	English	18	17
PG	Mtech,Mechanical	24	BE or BTech with GATE	English	18	18

	Engineering		or PGECET			
PG	Mtech,Mechanical Engineering	24	BE or BTech with GATE or PGECET	English	18	18
PG	Mtech,Electronics And Communications Engineering	24	BE or BTech with GATE or PGECET	English	36	36
PG	Mtech,Computer Science Engineering	24	BE or BTech with GATE or PGECET	English	18	18
PG	Mtech,Computer Science Engineering	24	BE or BTech with GATE or PGECET	English	24	24
PG	Mtech,Computer Science Engineering	24	BE or BTech with GATE or PGECET	English	36	17
PG	MCA,Computer Applications	36	Any Graduate with Mathematics in Intermediate or Graduation	English	60	56
PG	MBA,Management Studies	24	Any Graduate	English	300	299

### 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	27				46				163			
Recruited	27	0	0	27	32	14	0	46	109	54	0	163
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				110
Recruited	68	42	0	110
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				59
Recruited	45	14	0	59
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.	27	0	0	0	0	0	0	0	0	27
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	32	14	0	109	54	0	209

<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>
	30		22		52

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	1992	34	0	0	2026
	Female	624	7	0	0	631
	Others	0	0	0	0	0
PG	Male	577	15	0	0	592
	Female	315	16	0	0	331
	Others	0	0	0	0	0

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

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	62	92	82	62
	Female	23	31	33	26
	Others	0	0	0	0
ST	Male	19	9	21	5
	Female	2	2	4	6
	Others	0	0	0	0
OBC	Male	337	474	457	282
	Female	123	152	104	98
	Others	0	0	0	0
General	Male	353	368	457	361
	Female	181	158	182	164
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		1100	1286	1340	1004

### 3. Extended Profile

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#### 3.1 Programme

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

Response : 389

Number of self-financed Programmes offered by college

Response : 14

Number of new programmes introduced in the college during the last five years

Response : 3

#### 3.2 Student

Number of students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3259	3414	3208	2682	2248

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

2016-17	2015-16	2014-15	2013-14	2012-13
725	725	725	576	505

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

2016-17	2015-16	2014-15	2013-14	2012-13
1025	1027	847	757	568

Total number of outgoing / final year students

Response : 1164

#### 3.3 Academic



**Number of teachers year wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
238	231	218	165	165

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

2016-17	2015-16	2014-15	2013-14	2012-13
238	231	218	165	165

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

2016-17	2015-16	2014-15	2013-14	2012-13
238	231	218	165	165

**Total experience of full-time teachers****Response : 1160****Number of teachers recognized as guides during the last five years****Response : 21****Number of full time teachers worked in the institution during the last 5 years****Response : 137****3.4 Institution****Total number of classrooms and seminar halls****Response : 80****Total Expenditure excluding salary year wise during the last five years ( INR in Lakhs)**

2016-17	2015-16	2014-15	2013-14	2012-13
833	627	653	595	628

**Number of computers**

**Response : 848**

**Unit cost of education including the salary component(INR in Lakhs)**

**Response : 0.66**

**Unit cost of education excluding the salary component(INR in Lakhs)**

**Response : 0.25**

NAAC

## 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:**

**VISION:**

To develop as an Institution exceeding expectations in sustaining youths in self-realization, assimilating all-inclusive esteems and imagining condition benevolent innovations.

**MISSION:**

Consistently fabricating an electric biological community that cultivates crisp reasoning and conditions neighborly cognizance.

**QUALITY POLICY:**

To seek after worldwide models of greatness in every one of our undertakings to be specific instructing, research, consultancy and proceeding with training through a procedure of self-assessment and constant change. To sustain incorporating imagination and scholarly flexibility in understudies. The arrangement of staff improvement to upgrade consumer loyalty. To guarantee an able and responsive human asset.

**OBJECTIVES:**

- Impart specialized instruction to make capable and capable architects.
- To create entrepreneurial aptitudes among the undergraduates.
- To enhance engine aptitudes of understudies.
- All round identity improvement.
- Training and position in conspicuous corporate.
- Institute-Industry cooperation.
- Extended learning programs.
- To create train among the undergraduates.
- To create imaginative reasoning.

**Develop and deploy action plans for effective implementation of the curriculum**

- Principal shaped a center board of trustees of senior employees, essentially comprising of the Heads of offices and boss consultant, to screen the general procedure of school experiencing the change to our destinations.
- Regular gatherings are held to design programs and examine enter issues tuned in to the vision and mission of the organization and the choices are taken by the warning board of trustees are imparted to the whole understudy body.

- The school 's mission and vision are shown at the principal passage of the school and are imparted to the understudies through the outline to recently conceded understudies each year by leading an enlistment program called "ABHIYAAN" and furthermore posted on the school site: <http://www.kiet.ac.in>
- The establish vision and statements of purpose are shown in graduated class meet "KIET ALUMNI MEET", Graduation day function and are likewise talked about in parent-educator gatherings to make the mindfulness among the guardians
- During the semester toward the finish of every month review of syllabus scope taken by concern HOD and submitted to the important. If there should arise an occurrence of less scope of the syllabus, additional classes are organized by particular subject educators and timetable is imparted to understudies by taking note.
- During the semester toward the finish of every month to month participation of understudies are shown on seeing sheets and understudies with less participation are shortlisted and their participation is imparted to their folks through letter and telephone calls by separate instructor watchmen.
- Regular TG gatherings are masterminded with understudies and issues of individual understudies are examined and settled. Toward the finish of every semester understudy criticism is gathered from understudy and submitted to MPTOs, HOD AND PRINCIPALS take care of the inputs.
- Final participation is shown on see board and those understudies who have poor participation, assignments are given to them and are assessed by a separate subject educator.
- Our instructors go to different refresher and introduction courses directed by the University to refresh their insight and enhance their educational programs conveyance.

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

**Response:** 6

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

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	2	0	0

File Description	Document
Details of the certificate/Diploma programs	<a href="#">View Document</a>
Minutes of relevant Academic Council/BOS meetings	<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:** 0

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

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

## 1.2 Academic Flexibility

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

**Response:** 39.07

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

Response: 152

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: 14

File Description	Document
Name of the programs in which CBCS is implemented	<a href="#">View Document</a>
Any additional information	<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:** 75.11

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

2016-17	2015-16	2014-15	2013-14	2012-13
2610	2666	2409	1934	1577

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

The efforts made by the institution to integrate the cross-cutting issues such as Gender, Environment and Sustainability, Human Values and Professional Ethics etc. are as follows:

**Gender:**

- Equal opportunities are given to both the genders in terms of admissions, employment, training programmes, sports activities etc., and so gender issues do not arise.
- Girls and boys participate in various co-curricular activities such as paper presentations, organizing of paper contests, group discussions, and technical programmes. Both boys and girls are made members of various clubs associated with academic, co-curricular and extracurricular activities.
- Women Empowerment Cell is formed to look after the importance of virtues to be adhered in life, including respecting women and aims at enabling their comfort in the workplace and ensuring professional growth.

**Environmental and Sustainability:**

- Students have a compulsory course on Environmental Science and Engineering as per curriculum.
- They are taken for industrial visits and effluent and water treatment plants and places that educate them on environmental issues.
- Tree Plantation is done on the campus regularly and saplings are distributed to beneficiaries on occasional days.
- Awareness programmes are also initiated by NSS, NCC, waste management programmes, Swachh Bharat Abhiyan etc. which extensively carry out activities for environmental protection and

ecological preservation.

#### Human Values and Professional Ethics:

- The curriculum includes courses on professional ethics and IPR and human rights.
- Special lectures are also arranged to create awareness on these issues.
- The anti-ragging committee is formed to ensure ragging free atmosphere.
- The General grievance addressing cell mainly related to Mess and Accommodation is formed.

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

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

**Response:** 61

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

**Response:** 61

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>

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

**Response:** 34.94

1.3.3.1 Number of students undertaking field projects or internships

**Response:** 1301

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

#### 1.4 Feedback System

**1.4.1 Structured feedback on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni 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>
Any additional information	<a href="#">View Document</a>
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:** 0.4

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

2016-17	2015-16	2014-15	2013-14	2012-13
18	10	23	7	4

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
List of students (other states and countries)	<a href="#">View Document</a>

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

**Response:** 87.17

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

2016-17	2015-16	2014-15	2013-14	2012-13
1100	1286	1340	1004	970

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

2016-17	2015-16	2014-15	2013-14	2012-13
1464	1464	1464	1164	1020

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

#### 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:** 91.45

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

2016-17	2015-16	2014-15	2013-14	2012-13
566	720	701	479	505

**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:**

Students of B.Tech come to our institution through common entrance exams like EAMCET, ECET for UG programs and M.Tech through PG CET, GATE. MBA and MCA through ICET . We have a streamlined mechanism as per the university guidelines for continuous monitoring and evaluation of the student's performance. KIET always feel that orientation program is necessary for new on-campus undergraduate and postgraduate students beginning their studies takes place before the commencement of class work to facilitate the academic, cultural and social adjustments which are linked to the key strategic goals of the college for developing excellence in learning, encouraging participation of students from diverse cultural and social backgrounds. This will also make them to learn about helpful campus resources and to augment their spirits & skills too.

**Students are identified based on:**

We will identify the students as slow learners and advanced learners based on their first mid performance from each class. Also we conduct the program named ABHIYAN which will bring out their hidden talents and improve the leadership qualities. This helps to encourage students to learn and create enthusiasm in class.

**For Quick Learners:**

Quick learners are identified through their performance in examinations, interaction in classroom and laboratories, concept understanding and articulation abilities etc. Advanced learners furthermore are encouraged by involving them in the EXTENDED LEARNING, CODING CLASSES, EDYST, Major & minor projects in BOSSMOOL & ROBOTICS LABS, MTA(Microsoft technology associate) AUTOCAD, PLC. These independent learning abilities contribute to their academic and personal growth. Quick learners who have direct instructional and supportive contact with the students and those who lead assessment initiatives are responsible for motivating and involving the rest of the campus community.

**For Slow Learners:**

College organizes special programs like make up classes, tutorial classes etc. The student counselor assesses performance of slow learners based on their performance in academics and council them in solving their problems which helps them to reach their academic goals and in turn enhances the pass percentage. Respective faculty will attend the classes for the slow learners to clarify their doubts in typical topics.

**Strategies adopted for Student improvement:**

1. Tutorial classes are organized to clarify the doubts in typical topics and also to improve the performance of slow learners.
2. Department CTPO's will identify the irregular students and the same is informed to the parents through SMS and phone calls.
3. Students can discuss with their counselor regarding Non Academic problems too.
4. Motivational classes are conducted to improve the intellectual power of student to analyze their problems and to encourage student to regularly attend classes.
5. Career counseling sessions are provided to students regarding various fields in which Technical students can do wonders. Foreign career counseling is also provided by associated organizations.
6. All the staff members maintain good relation with students and deal with their problems in a gentle manner.

**2.2.2 Student - Full time teacher ratio**

**Response:** 12.93

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

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

**Response:** 0.43

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

**Response:** 16

<b>File Description</b>	<b>Document</b>
Institutional data in prescribed format	<a href="#">View Document</a>
Any other document submitted by the Institution to a Government agency giving this information	<a href="#">View Document</a>
List of students(differently abled)	<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:

Theory courses, for which the teaching scheme is only in terms of lectures, predominantly follow the lecture method. Apart from classroom interactions, a number of learning experiences are provided to the students. These are:

- **Laboratory Courses.**
- **Social learning platforms.**
- **Seminars and Projects.**
- **Technical Extended Learning Programs.**
- **Group Assignments.**
- **Group Presentations, Group discussions / Brainstorming sessions**
- **Industrial Field Visits / Internships.**
- **NPTEL videos.**
- **Guest lectures.**
- **Counselling to the students.**

**In lectures, tutorials and in lab sessions, learning is made more students centric in the following manner:**

- **In lectures:** Teachers, by playing the role of facilitators, create discussions in classrooms among students and let the brainstorming evolve from students' perspective.
- **In tutorials:** Tutors attempt to stimulate students' own ways of thinking, by constructing problems/case studies/assignments by providing individual attention to them.
- **In lab sessions:** In lab sessions, students get hands-on experience which helps them gain clarity of concepts and enhance technology skill sets.
- **Collaborative Learning:** In mini projects and final year projects students develop prototype solutions for engineering problems. They learn by collaborating with each other.
- **Industrial field trips** which form a part of the curriculum ensure involvement and participation of the students to know practical aspects of engineering.
- **Student seminars** provide an opportunity for self-learning and improve presentation skills.
- **Industry internship** is the opportunity for on-sight training and gives exposure to the engineering field.
- **Technical associations**, professional societies and clubs functioning with the students as the executive committee members and the faculty taking up the role of a facilitator helps for developing – Organizational abilities, Leadership qualities, Time and Financial management, Interpersonal communication.
- Homework, self-study assignments encourage them to explore their own abilities and in the process, inculcate the habit of lifelong learning. The faculty members supplement the latest technologies with regular teaching for learning to be made more effective.

### 2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems

**(LMS), E-learning resources etc.**

**Response:** 100

2.3.2.1 Number of teachers using ICT

Response: 288

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:** 15.78

2.3.3.1 Number of mentors

Response: 236

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	<a href="#">View Document</a>

**2.3.4 Innovation and creativity in teaching-learning**

**Response:**

- E-learning technology, NPTEL lectures etc...
- Course-related CD's are available in the library.
- WI-FI facility, classrooms with Projector & Internet facility.
- LMS server.
- Incubation center.
- Workshops, guest lectures by experts.
- Association activities.
- Entrepreneurial Development Program for MBA, MCA under Entrepreneurial Development Cell(EDC)

**1. E-learning:**

- **Digital Library:** College has subscribed E-journals and E-books. These resources can be accessed by faculty and students using any computer within the campus. While teaching faculty members utilize these resources.

- Simulation softwares such as **MATLAB, PLC & SCADA** are used for teaching concepts effectively.
- Every classroom and laboratory is equipped with multimedia teaching aids, which can be used to access any E-resource during lectures and lab sessions.
- Students' email groups are formed. Faculty members use it to email lecture notes, assignments and to answer their queries.
- **Audio Visual Aids:** Teachers effectively make use of audio-visual aids to make learning a satisfying experience for the students.

1. **Open Educational Resources:** Faculty members refer to open lecture resources such as MIT open courseware, NPTEL lectures etc. to prepare lecture material.
2. **LMS: A learning management system (LMS)** is a software application for the administration, documentation, tracking, reporting, and delivery of educational courses or training programs. They help the instructor deliver material to the students, administer tests and other assignments, track student progress, and manage record-keeping.
3. **EDP:** To develop and act as the core facility in fostering the growth of innovation and entrepreneurship amongst the faculty and students of MBA & MCA.
4. **Workshops:** We run student and faculty workshops throughout the academic year with a focus to improve critical thinking, analytical skills, time management, study skills under the guidance and supervision of expert faculty.
5. **Guest Lectures:** Eminent Resource persons from the academia are invited to share their valuable insights from their rich experience about contemporary business/ technical issues, the challenges they have faced and how they dealt with them.

## 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>

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

**Response:** 4.79

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

2016-17	2015-16	2014-15	2013-14	2012-13
4	10	10	10	12

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>

### 2.4.3 Teaching experience of full time teachers in number of years

**Response:** 4.03

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	<a href="#">View Document</a>

### 2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

**Response:** 0.38

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

2016-17	2015-16	2014-15	2013-14	2012-13
2	1	0	1	0

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

### 2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

**Response:** 1.45

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

2016-17	2015-16	2014-15	2013-14	2012-13
6	6	2	1	1



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:

The reforms are continuously adopted by all colleges affiliated to a particular University as per orders of the Department of Higher Education. With introduction of semester system both external and internal evaluations were started. Out of these the internal evaluation was reformed by taking it continuous and comprehensive. It includes continuous evaluation of the students on various bases.

For the effective implementation of the reforms advised by the university, the college has an exclusive Examination Cell headed by a Senior Faculty for overseeing the conduct of all the internal and external examinations. Question papers are set by different faculty and handed over to the Examination Cell before 03 days of conducting examination for ensuring smooth conduct of the evaluation. The results are analysed and reviewed by the HoD so as to plan and execute corrective actions, if any.

Being an affiliated college, it follows the rules prescribed by the University. The college sanctions “On duty” permission to the teachers going for central valuation of answer papers organized by the University. The HOD/Senior faculty verifies the pattern, quality and correctness of the question papers of university exams. If any deviation is found, it is represented to the university through the exam cell.

The University constitutes a board of examiners separately for central valuation of each category (for various sciences, humanities and for various engineering and technology disciplines) consisting of a Chief Examiners and Examiners. There is a provision in the University for revaluation of the answer scripts. On the recommendations of HoD and Principal, the answer scripts of University examinations are revaluated by the University. In case the student is not satisfied with the outcome of the revaluation or the marks obtained by him, university has a provision to go in for a CHALLENGE valuation . However the marks obtained by the student will be the best of all the above. The institution continuously reviews the evaluation process done internally and necessary changes as and when applicable/ required are implemented. There are three tests which form part of internal evaluation for every subject. The institute encourages the teachers to experiment with various evaluation techniques to test learning of students. In addition to the above, regular assignments are also part of the evaluation process

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

#### Response:

The University prescribes 80% for end-of-semester examinations conducted by the university and 20% for



the CIA component, awarded by the college. The internal assessment is the average of two tests conducted for a course during the semester. The University specifies dates for uploading each of the two test marks in its portal. The tests are conducted centrally, on the same fashion as that of a University examination, thus ensuring rigour and

transparency, evaluated for a maximum of 30(10 for descriptive +10 for online objective+5 for attendance + 5 for assignment), giving equal weightage for all the tests and uploaded in the portals of the University, on the dates specified. The uploaded marks are available on the portal for the student to see thus, eschewing any complaint. The University computes the internal assessment marks.

The institute believes and trusts transparency in assessment of students. In order to keep the transparency in the internal assessment, following steps are taken by institute.

- The attendance record of each student in theory and practical is maintained and displayed on notice board at the end of month
- Timely submission of assignments and performance in tests
- To encourage independent learning, few topics for presentation are given to final year students
- Different diverse weightage is given to all points in internal marks calculations

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

#### **Response:**

There are two distinct grievances that could come from students, one relating to the college and the other relating to the University. Grievances relating to the college can be addressed to the teacher concerned, or the HoD concerned or the Grievance Redressal Committee (GRC) of the college for redressal. The GRC, generally meets once in a month, or earlier as situations warrant, and try to address the student's grievances. Grievances relating to the

University can be addressed to the Registrar or the Controller of Examinations of the University, as the case may be, and routed through the Principal.

College has well established and set mechanisms / processes pertaining to evaluation - grievances redressed. These mechanisms based on the type of grievance are -

- Mid marks evaluation - Such grievances are referred to the Principal through head of the Department. Concerned subject teaching faculty and Guardian Teacher (Mentor) resolves the grievance based on documentation.
- Class test evaluations - The complaints of such examination evaluations are resolved by respective subject teacher and head of the Department.

University also has set process of grievances redressal. It is adopted and executed at college level too. This includes -

- Theory examinations - The queries and complaint about this evaluation are recorded by examination section of the college and submitted to University for corrective action. These corrective actions are normally re-evaluation, re-checking, providing photocopy of answer sheet to

the student etc.

- At University level, students can apply for verification, reevaluation of answer book. The University examiners reevaluation, recounting the answer books and the revised marks if any, are sent to the institute which are communicated to the respective department and to the student.

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

##### **Response:**

The academic calendar issued by the affiliating university forms the basis for designing college academic calendar. In a semester, there are two tests and two assignments. Each of the tests consists of descriptive questions as well as Objective. They take 80% from better one and 20% of remaining of the two tests is considered for final internal assessment. As per the JNTUK regulations, the marks allotted internal exams are 30 and to that of external exams are 70. The objective paper is for 10 marks and online objective paper is for 05 marks and remaining 05 marks for assignment. Objective paper is set by the university for 20 bits of – multiple choice questions, filling the blanks for the 10 marks. Subjective paper of each semester shall contain 6 full questions (one from each unit) of which, the student should answer 3 questions, each carrying 16 marks First midterm examination shall be conducted for 3 units of syllabus second midterm examination shall be conducted for remaining 3 units. 5 marks are allocated for Assignments (as specified by the concerned subject teacher) – first Assignment should be submitted before the conduction of the first mid, and the second should be submitted before the conduct of the second mid. The total marks secured by the student in each midterm examination are evaluated for 30 marks, and the average of the two midterm examinations shall be taken as the final marks secured by each candidate. For practical subjects, there shall be a continuous evaluation during the semester for 25 sectional marks and 50 end examination marks. Out of the 25 marks for internal, day-to-day work in the laboratory shall be evaluated for 15 marks and internal examination for practical shall be evaluated for 10 marks conducted by the concerned laboratory teacher. The end examination shall be conducted with external examiner and laboratory teacher. The external examiner shall be appointed from colleges as decided by the University examination branch. Evaluation of mini projects and main projects is also under the purview of University. The midterm examination marks are to be uploaded to university in the stipulated time mentioned in the academic calendar. Lab external marks are to be uploaded to the university on the same day of completion of external exam. College should upload the internal marks of mini Project, technical seminar, comprehensive viva and main project in the stipulated time given by University. University puts together internal marks and university semester end exams and declares the results.

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

**Acquisition of such small groups of Programme outcomes should be frequently repeated during the teaching of different courses and thus selected Programme outcomes shall get on consolidated due to repeated learning at ever growing levels of complexities of problem-solving.**

For each program offered by this college, there are clearly stated learning outcomes. The learning outcomes are printed in Course structure in handbook form which is supplied to the students at the beginning of the coursework. Further, they are also printed in handouts which shall be given at the beginning of each semester. Learning outcomes are displayed in the respective departments and also placed on the college website.

The Head of the Department presents the learning outcomes and brings to the notice of all the staff members in department meetings.

Head of the Department and faculty members discuss the learning outcomes in the classrooms at the beginning of every semester and educate all the students on how to achieve these outcomes by the end of the coursework of respective programs.

File Description	Document
COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>

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

**Response:**

Learning outcomes are the specifications of what a student should learn and demonstrate on successful completion of the course or the programme. It can also be seen as the desired outcome of the learning process in terms of acquisition of the skills and knowledge. They are embedded in the curriculum. Achieving Learning Outcomes needs specific experiences to be provided to the students and evaluation of their attainment. All the stated Learning Outcomes must be part of the evaluation protocol of the programme. Student assessment provides an indication of the areas where learning has happened and where it has to be improved upon.

**These entire programme outcomes cannot be developed during learning and teaching processes of one or two courses or two semesters. An innovative instructional planning needs to be made.** Planning for student evaluation is an integral part of planning for teaching. As someone who has had to maintain a high grade in order to gain admittance to graduate program, summative evaluation is to be done. Summative evaluation includes a set of assignments, quizzes, tests, mid-terms, and final exams. It is the formative evaluation that can be done throughout the semester in order to assess how well the students are learning as they prepare for summative evaluation.

Formative evaluation can pre-empt poor student performance on summative evaluation projects; at the same time, formative evaluation can communicate to both teachers and students whether or not course content is effectively being communicated and learned, information that can lead to refinement of instruction on the part of the teacher and refinement of studying techniques on the part of the students.

### These summative assignments and tests can be defined by three criteria

- They are used to determine whether students have learned what they were expected to learn.
- They are used to measure learning progress and achievement and to evaluate the effectiveness of educational programs.
- Tests may also measure student progress toward stated improvement goals or to determine student placement in programs.

The assessment of course outcomes are as follow:

**1. Internal Mid Examinations and Assignments:** There shall be 2 midterm examinations (each for 30 marks) along with 2 assignments and the best of the two examinations' marks secured in each subject shall be considered as final marks for the internals as per the university norms. Each question in the mid-exam is mapped to the course outcomes.

**2. End Semester Examination:** For theory subjects, the distribution shall be 30 marks for Internal Evaluation and 70 marks for the End Examination. It is expected that a student should score at least 40% of Maximum marks of the course for the attainment of course outcomes. The marks scored by the students in Internal Examinations, Assignments and End Semester exams are used to assess the attainment level of the whole course and the course outcome attainment level.

**3. Laboratories:** For Laboratories, there shall be a continuous evaluation during the year for 25 internal marks and 50 end examination marks.

### 2.6.3 Average pass percentage of Students

**Response:** 43.9

2.6.3.1 Total number of final year students who passed the university examination

Response: 450

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

Response: 1025

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

## 2.7 Student Satisfaction Survey

**2.7.1 Online student satisfaction survey regarding teaching learning process****Response:**

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

NAAC

## 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**

**Response: 0**

3.1.1.1 Total Grants for research projects sponsored by the government/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)

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of project and grant details	<a href="#">View Document</a>

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

**Response: 0.69**

3.1.2.1 Number of teachers recognised as research guides

Response: 2

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

**3.1.3 Average number of research projects per teacher funded by government and non government agencies during the last five years**

**Response: 0**

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

File Description	Document
List of research projects and funding details	<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:

An **INNOVATION ECOSYSTEM** is said to be thriving and healthy when the resources invested in the knowledge economy (either through private, government or direct business investment) are subsequently replenished by innovation induced profit increases in the commercial economy.

This is KIET college has created an ecosystem for innovations including Incubation center other initiatives for creation and transfer of knowledge consists of

- ROBOTICS
- E-YANTRA
- BOOS-MOOL LAB
- E-SPARK

All these clubs give innovative thoughts and implementation ideas for students, this helps the students in doing mini projects, main projects, workshops, seminars, etc, involving students in such clubs he can improve his knowledge in particular subject and areas, which is used for development of student and organization.

Robotics lab has been established in the year 26-11-2005 with an idea to implement the knowledge of the student in the area of robotics. This laboratory is not only limited to Electronics and Communication Engineering but it involves all the departments present in the campus, in the name of inter-disciplinary projects.

E-Yantra has been established in KIET in the year 2015. It was a collaborative project under the prestigious IIT Bombay. It is handled by the Department of Computer Science and Engineering in the campus. In this collaborative project, an inter-disciplinary projects will be conducted in the campus.

Prerequisites for E-Yantra:

- Familiarity with C programming
- Familiarity with Microcontroller/Microprocessor architecture

BOOS-MOOL has been established in the year 2016 and Linux kernel is one of the most popular and widely used open source operating systems. It has been developed in a procedural manner with the primary focus on the system performance. As a side effect, there are maintainability issues arising due to high coupling in the kernel. The entire kernel source code can be divided into two parts: the core kernel and the device drivers. Given Linux kernel popularity, it is deployed on a wide range of machines and supports numerous hardware devices. The device drivers constitute the majority of the kernel code and are also responsible for the majority of the kernel bugs that are found. MOOL Kernel has been developed at DOS Lab, IIT-Madras. MOOL features a device driver framework to write drivers in C++ and insert them as loadable kernel modules.

E-Spark incubation center has been established in the year 2017 It was established with an idea to implement the student's ideas relating to technical fields. The students in e-spark incubation hub are working on projects like Arduino, Drones, VLSI etc, from second year and third year of their UG itself. This hub will be helpful to the students for performing their research as well as in their final year for their project work.

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

**Response:** 12

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

2016-17	2015-16	2014-15	2013-14	2012-13
3	2	2	2	3

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

### 3.3 Research Publications and Awards

**3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research**

**Response:** Yes

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

**3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards**

**Response:** Yes

File Description	Document
List of Awardees and Award details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>



**3.3.3 Number of Ph.D.s awarded per teacher during the last five years****Response:** 0

3.3.3.1 How many Ph.Ds awarded within last five years

**File Description**

List of PhD scholars and their details like name of the guide , title of thesis, year of award etc

**Document**[View Document](#)**3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years****Response:** 0.18

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

2016-17	2015-16	2014-15	2013-14	2012-13
86	27	32	12	32

**File Description**

List of research papers by title, author, department, name and year of publication

**Document**[View Document](#)**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:** 0.02

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

2016-17	2015-16	2014-15	2013-14	2012-13
3	10	1	0	5

**File Description**

List books and chapters in edited volumes / books published

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

### 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:

Every academic year, the extension and outreach programmes are planned and will be executed as per the academic calendar. The college is organizing number of outreach activities which relate to academic, Social, Cultural, Community services and all culminate in building a healthy society contributing to nation development.

As very well stated in the Mission and Vision of the institution, imparting human values to the students and providing ethical professionals with concern for the society are emphasized during the program of study. Accordingly, the following Centre/Forum/Clubs have been formed and students take an active part in the activities and imbibe social responsibility, acquire team spirit and leadership qualities. So that, they serve the society and the nation.

For promoting students and faculty in extension activities, we organize camps and awareness programmes. Seminars on women self-protection, career guidance are organized. We distribute study related materials to school students. Blood donation camps, Swachh Bharat awareness rally, 'Make in India' are some of the programmes organized as a part of extension activities.

Training is given by the students to groups comprising mainly of underprivileged women and to school children in the neighborhood. Special coaching in computers, mathematics, and communication skills in English are given. For a better and cleaner tomorrow, the students organize solid waste management programmes in various places in Korangi. Reunite to redefine India, Women empowerment are other social service activities of students. NSS and YRC units of KIET have carried out blood donation camps, awareness programmes on health and hygiene, consumer rights, environmental protection, etc.

Institution educates the faculty and students of their Social responsibilities by making them aware of different national calamities and rehabilitation activities, ill effects of environmental pollution, deforestation, Swachh Bharath, rainwater harvesting, recycling of sewage water, illiteracy, malnutrition, immunization and Blood Donation etc by inviting social workers and environmentalists to the college.

Every Year the students are allowed to participate in different curricular and co-curricular events being organized within the departments and across various colleges around.

The institution has an NSS unit sanctioned by JNT University Kakinada- with a total strength of 100 members. Periodically University releases its activity calendar for organizing different social service and community development programmes as part of inculcating social responsibility among the students. Subsequently, the institution's NSS Unit organizes special camps every year in nearby adopted villages to promote digital literacy, health care and monitoring, traffic awareness, plantation etc.

#### 3.4.2 Number of awards and recognition received for extension activities from Government

**/recognised bodies during the last five years****Response: 2**

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	1	0	1	0

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 Organisations through NSS/NCC/Red cross/YRC etc., during the last five years****Response: 65**

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

2016-17	2015-16	2014-15	2013-14	2012-13
14	12	13	13	13

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	<a href="#">View Document</a>
Reports of the event organized	<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: 56.39**

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

2016-17	2015-16	2014-15	2013-14	2012-13
2300	2000	1800	1400	1000

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	<a href="#">View Document</a>
Report of the event	<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:** 122

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

2016-17	2015-16	2014-15	2013-14	2012-13
53	26	16	15	12

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

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

**Response:** 9

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

2016-17	2015-16	2014-15	2013-14	2012-13
6	3	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>

## 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:**

To keep pace with growing demands of higher education, The Kakinada Institute of Engineering Technology, Korangi has significantly enhanced the infrastructure. Optimum utilization of the infrastructure is ensured. The academic session is so framed that the classrooms and laboratories are occupied from morning till evening.

The KIET College takes special care towards creation and enhancement of infrastructure that facilitates effective teaching and learning. Access to NPTEL, Edyst programmers and many other online learning programmers of MOOC like courseera.com can be accessed via the digital library facilities that are provided to all the students and staff members to improve quality in teaching, learning and research. The KIET acts as one of the remote centers for conducting workshops under National Mission on Education through ICT. In addition IEEE, ACM, Papers are available for download. Almost all classrooms are equipped with LCD Projectors to enhance the teaching quality. In addition, departments are provided with laptops and projectors so that faculty can utilize them in handling classes.

The KIET ensures that students and teachers have easy access to all the online teaching-learning resources. The College motivates the students by conducting various activities in every department to ensure optimum participation from the students and the faculty members. The department associations play an active role the conduct of various workshops and guest lectures. The focus is on training the students to speak fluently, role plays, debates and group discussions. The classrooms are provided with audio-visual equipment. Laboratories are provided with sufficient space and are equipped with experimental setup suitable for academic and research needs. Library as a knowledge center is provided with all the required textbooks, reference books, journals and general books which help in enhancing learning skills. KIET is under surveillance of CCTV Cameras to Enhance Security.

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

**Response:**

The Kakinada Institute of Engineering Technology, Korangi campus facilities for sports, games and cultural activities are to be conducting in department wise selections, selected students are training by certified coaches from National Institute of Sports (NIS) and respective teams are to practice in Sports Authority of India, Yanam (SAI Academy) and selected teams are coaching practices through District Sports Academy. For Cricket ground, KIET linked up with Andhra Cricket Board Association to construct cricket stadium (for 5 wickets).

The KIET offer students the chance to play competitive sports at the university level and providing sports kits for every player, TA & D Allowance for every student of university selections and respective

tournament. Special diet cares for selected sports players to facilities egg, groundnuts, milk, and bananas. Appreciation of students, cash awards for medalist and holding flex banners. Special transport facility for sports students and concessions in academic college fees for UG courses and free admissions in PG courses. Conducts games for faculty relaxation. Students and the staff are oriented towards yoga and meditation for a holistic living. Programs in association with District Sports Academy, Kakinada have been conducted regularly.

S.No	Facilities	Total Area Available	No of courts
1	Cricket Ground	70 sq. mts	5 wickets
2	Cricket net courts	65 x 70 sq.mts	2
3	Volley Ball Court	18 x 9 sq.mts	4
4	Kho-Kho court	27 x 16 sq.mts	1
5	Foot ball Court	90 x 120 sq.mts	1
6	Basket Ball Court	28x15 sq.mts	1
7	Kabaddi court	29 x 16 sq.mts	2
8	Throw ball court	18.3 x 12.2 sq.mts	1
9	Table Tennis	Common hall	2
10	Chess Boards	Common hall	6
11	Carom Boards	Common hall	4

**4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc****Response:** 100

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

Response: 80

**File Description****Document**

Number of classrooms and seminar halls with ICT enabled facilities

[View Document](#)**4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.****Response:** 26.44

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

2016-17	2015-16	2014-15	2013-14	2012-13
95	62	171	252	266

**File Description****Document**

Details of budget allocation, excluding salary during the last five years

[View Document](#)

Audited utilization statements

[View Document](#)**4.2 Library as a Learning Resource****4.2.1 Library is automated using Integrated Library Management System (ILMS)****Response:**

The Central Library is automated with Bees Campus Soft. It includes an Integrated Library Management System. The details are as follows,...



- Name of the ILMS software: Bees Campus software/Bees ERP
- Nature of automation(fully or partially): Fully
- Version : 1.0 or 3.0

Year of automation: 2008 or 2016

## CENTRAL LIBRARY

- Students are asked to fill in the library registration form for the library membership card for four years.
- Staff members are also asked to fill in the library registration form for the library membership at the time of joining.
- The library underwent a digitalized structure through Bees-software were all the details of the books in the library are made available in the software.
- The library will be kept open for borrowers from 9:00 am to 4:00 pm in all working days.
- The issue counter will be kept open daily from 9:30 am to 4:00 pm (timetable).
- A person desirous of using the library shall enter his/her name and branch legibly in the Gate Register.
- Bags and other personal articles shall be deposited at the property counter and not be brought into the library.
- No person shall be allowed to write, damage or mark of underline on any book or other material belonging to the library.
- Silence shall be strictly observed, indiscipline cannot be tolerated.
- No reference books will be issued to students and faculty members.
- Loose sheets of white papers only are allowed into the reference section.
- Notebooks will not be permitted under the reference section.
- Any misuse of the library account leads to default and the defaulter will be blacklisted.
- In case a book is missing, the borrower has to pay the double the cost of the book with a fine.
- Borrowers shall be required to renew their books once in every 15 days or else fine will be collected from them Rs1/- per day for every book.
- Anyone violets the rules and regulations of the library would be liable to lose the privilege of the library membership in addition to the disciplinary action.
- Library as a knowledge center is provided with all the required textbooks, reference books, journals and general books which help in enhancing learning skills.
- The library staff takes care of all the library-related issues.

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

#### Response:

S.No.	Titles	publishers	author

1	BRITANNICA READY REFERENCE ENCYCLOPAEDIA ENCYCLOPEDIA	BRITANNICA	BRITANNICA
2	MC GRAW HILL ENCYCLOPEDIA OF SCIENCE & TECHNOLOGY	MC GRAW HILL	ENCYCLOPEDIA
3	LIFETIME OF ENCYCLOPEDIA OF LETTERS	PH	MEYER.E HAROLD
4	THE ENCYCLOPEDIA OF MODERN EVERY DAY INVENTIONS	GREENWOOD PRESS	COLE DAVID J
5	THE ENCYCLOPEDIA OF ELECTRONIC CIRCUITS	CBPB	RUDOLF F GRAF
6	THE HARPER COLLINS ENCYCLOPEDIA OF CAREERS	HARPER COLLINS	GHOSE JAYANTI
7	SYSTEM ON CHIP METHODOLOGY AND DESIGN LANGUAGES	KLUWER	ASHENDEN PETER J
8	BOUNDRY SEAN INTERCONNECTION DIAGNOSIS	KLUWER	DESOUSA JOSE T
9	TRANSPORTING COMPRESSED DIGITAL VIDEO	KLUWER	CHEN XUEMIN
10	SYSTEM DESIGN WITH SYSTEM C	KLUWER	GROTKER THORSTEN
11	GEOGRAPHICS LOCATION ON THE INTERNET	KLUWER	SARIKAYA BHEET
12	CMOS VLSI ENGINEERING SILICON ON INSULATOR	KLUWER	KUO JAMES B
13	PRINCIPLES OF DIGITAL TRANSMISSION WITH WIRELESS APPLICATION	KLUWER	BENEDETTO SERGIO
14	ENCYCLOPEDIA BRITANNICA BOOK OF THE YEAR-2013	ENCYCLOPAEDIA BRITANNICA	BRITANNICA
15	THE NEW ENCYCLOPEDIA BRITANNICA	ENCYCLOPAEDIA BRITANNICA	BRITANNICA
16	FUNK & WAGNALLS NEW ENCYCLOPEDIA	ENCYCLOPAEDIA BRITANNICA	BRAM LEON L
17	MILLENNIUM FAMILY ENCYCLOPEDIA	DORLING KINDERSLEY	KINDERSLEY DORLING

#### 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:** D. Any 1 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:** 7.04

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

2016-17	2015-16	2014-15	2013-14	2012-13
12.8	10.55	10.5	.69	.65

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

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

**Response:** Yes

File Description	Document
Details of remote access to e-resources of the library	<a href="#">View Document</a>

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

**Response:** 6.73

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

**Response:** 270

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

### 4.3 IT Infrastructure

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

##### Response:

Kakinada Institute of engineering and technology maintains a regular infrastructure database of computers and accessories. Periodically, old systems are replaced with systems with an enhanced configuration. Old systems are donated to local area primary schools for acquiring computer skills to them. All the computer systems on the campus are regularly monitored by the system administrator and maintenance staff. The trouble/problems experienced by the computers in the various laboratories are identified and recorded by the lab programmers/technicians in the complaint register. The maintenance staff will then go to the respective labs for identification of the problems and resolve the same at the respective places. In case of major problems i.e. replacement of component/part during warranty they are sent to the respective service centers and get replaced at the earliest.

All Professors and Head of the Departments have independent system each. The faculty has sufficient systems to share. Periodic review is done to see that latest systems are in use in the college by replacing the non-functioning/old systems. Access to NPTEL, Edyst, HEBEON programmes and many other online learning programmes of MOOC like courseera.com can be accessed via the digital library facilities that are provided to all the students and staff members to improve quality in teaching, learning, and research. The college acts as one of the remote centers for conducting workshops under National Mission on Education through ICT. In addition IEEE, ACM, Papers are available for download. Almost all classrooms are equipped with LCD Projectors to enhance the teaching quality. In addition, departments are provided with laptops and projectors so that faculty can utilize them in handling classes. The college ensures that students and teachers have easy access to all the online teaching-learning resources. The library itself maintains e-books for all the subjects. The faculty can utilize these with the help of the librarian.

Kakinada Institute of Engineering & Technology, Korangi has implemented Bees software for its academic and other related activities including human resource management and financial management. Academic activities, such as, the conduct of mid-semester test and end semester examination, central repository of marks and grades of the students, assigning the grades to the students by faculty members and students reaction survey have been implemented using this software. Online facility for registration information, date-sheet has been provided to all the concerned through Web-Kiosk. The attendance of students can also be uploaded on the web kiosk

#### 4.3.2 Student - Computer ratio

<b>Response:</b> 4.39	
<b>File Description</b>	<b>Document</b>
Student - Computer ratio	<a href="#">View Document</a>

<b>4.3.3 Available bandwidth of internet connection in the Institution (Lease line)</b> <b>&lt;5 MBPS</b>  <b>5-20 MBPS</b>  <b>20-35 MBPS</b>  <b>35-50 MBPS</b>  <b>Response:</b> >=50 MBPS	
<b>File Description</b>	<b>Document</b>
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

<b>4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)</b>  <b>Response:</b> Yes	
<b>File Description</b>	<b>Document</b>
Facilities for e-content development such as Media Centre, Recording facility,LCS	<a href="#">View Document</a>

#### 4.4 Maintenance of Campus Infrastructure

<b>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</b>  <b>Response:</b> 73.43				
<b>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)</b>				
2016-17	2015-16	2014-15	2013-14	2012-13
738	565	478	340	365

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

##### **CLASSROOMS**

- Classrooms allocation is structured by the head of the department for all the years in beginning of the semester
- Classroom lectures take place based on PPTs along with chalk & board to create E-learning to the students through digitalized classrooms.
- Sweepers take care of the class cleanliness every day, Infrastructure rectification process takes place before the beginning of the semester.
- The infrastructure is frequently inspected for any damages and attended immediately to resolve.

##### **SPORTS COMPLEX**

- Every sports activity is carried in the presence of physical education director.
- Efficient Students are selected through the selection process, the selected students get special training who shall be participating in inter college, intra-college, university & state sports competitions.
- Sports goods, Playfields, and other sports-related items go through maintenance checkup from time to time.

##### **COMPUTER LAB**

- Every computer lab is monitored by a system administrator who takes complete care and control of the computer lab.
- System administrator shall receive the lab software, slots requirement details of every year and branch from the HODs of all the departments. Then the system administrator shall allocate the slots and install software, if required, to conduct smooth lab practicals.
- During the lab sessions, students were expected to be on time within uniforms and identity cards who shall enter their check in and out to the lab in the log in registers.
- The lab session is monitored by the lab programmer and hardware technician who take care of the software and hardware along with the lab in-charges.
- The computer laboratories are provided with UPS connectivity to protect hardware and software from power related failures.
- The college chief electrician and the supporting staff take care of electrical equipment and their maintenance.
- At the end of the day, maintenance check shall be conducted to make sure all the systems are in proper condition.

## CENTRAL LIBRARY

- Students are asked to fill in the library registration form for the library membership card for four years.
- Staff members are also asked to fill in the library registration form for the library membership at the time of joining.
- The library underwent a digitalized structure through Bees-software where all the details of the books in the library are made available in the software.
- The library will be kept open for borrowers from 9:00 am to 4:00 pm in all working days.
- The issue counter will be kept open daily from 9:30 am to 4:00 pm (timetable).
- The person desirous of using the library shall enter his/her name and branch legibly in the Gate Register.
- Bags and other personal articles shall be deposited at the property counter and not be brought into the library.
- No person shall be allowed to write, damage or mark or underline on any book or other material belonging to the library.
- Silence shall be strictly observed, indiscipline cannot be tolerated.
- No reference books will be issued to students and faculty members.
- A loose sheet of white paper only is allowed into the reference section.
- Notebooks will not be permitted under the reference section.
- Any misuse of the library account leads to default and the defaulter will be blacklisted.
- In case a book is missing, the borrower has to pay the double the cost of the book with a fine.
- Borrowers shall be required to renew their books once in every 15 days or else fine will be collected from them Rs1/- per day for every book.
- Anyone who violates the rules and regulations of the library would be liable to lose the privilege of the library membership in addition to the disciplinary action.
- Library as a knowledge center is provided with all the required textbooks, reference books, journals and general books which help in enhancing learning skills.
- The library staff takes care of all the library-related issues.

## LABORATORIES

- All the labs are monitored by a lab in-charge, lab assistant and lab technician for all the semesters.
- The following records are maintained in the lab
  - login register
  - stock register
  - purchase file and bills file.
- Enquire on lab instruments regarding repairs and purchases are made by the head of the department.
- Instructions on the lab locations are passed by the head of the department at the beginning of the semester to the lab dealing staff.
- Lab technician /service engineer takes care of the instruments repairing works.
- Every section is split into two batches and lab sessions are conducted according to the timetables.
- The infrastructure is frequently inspected for any damages and attended immediately to resolve.
- Laboratories are provided with sufficient space and are equipped with experimental setup suitable for academic and research needs.

## Seminar Hall

- Sir Arthur cotton Seminar hall is a big asset of our college equipped with the audio system, centralized AC, LCD projector.
- It is capable of 300 strength. It is maintained under the surveillance of Estate Officer.
- Prior permissions should be finalized from Incharge if any program is scheduled.
- Maintainance problems rectified time to time.
- The campus is accompanied by Open Air Auditorium up to 2000 strength.
- Each Department keeps in existence of Individual Seminar hall.

#### **KIET CANTEEN**

- KIET has an ambient canteen which provides Hygenic & Delicious Food.
- Class IV staff members are provided with free food.
- It Accommodates students and staff with Subsidised food items like
  - Breakfast - Rs.10/-
  - Sambar Rice - Rs.10/-
  - Curd Rice - Rs.10/-
  - Biryani - Rs.15/-
  - Meals - Rs.40/-



## 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:** 66.42

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

2016-17	2015-16	2014-15	2013-14	2012-13
2129	2451	2105	1746	1445

#### File Description

#### Document

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

[View Document](#)

Upload self attested letter with the list of students sanctioned scholarships

[View Document](#)

#### 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:** 25.28

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

2016-17	2015-16	2014-15	2013-14	2012-13
888	915	840	542	584

#### 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:** 77.72

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

2016-17	2015-16	2014-15	2013-14	2012-13
2503	2350	1773	2578	2058

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:** 8.04

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

2016-17	2015-16	2014-15	2013-14	2012-13
239	223	234	227	238

<b>File Description</b>	<b>Document</b>
Details of the students benefitted by VET	<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

<b>File Description</b>	<b>Document</b>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>

## 5.2 Student Progression

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

**Response:** 28.56

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

2016-17	2015-16	2014-15	2013-14	2012-13
362	239	216	186	194

<b>File Description</b>	<b>Document</b>
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:** 3.51

#### 5.2.2.1 Number of outgoing students progressing to higher education

**Response:** 36

File Description	Document
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/ TOFEL/ Civil Services/State government examinations)

**Response:** 50.06

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

2016-17	2015-16	2014-15	2013-14	2012-13
9	5	8	0	0

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

2016-17	2015-16	2014-15	2013-14	2012-13
10	7	9	1	1

File Description	Document
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:** 71

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

2016-17	2015-16	2014-15	2013-14	2012-13
9	24	19	15	4

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:

The Student Council of KIET called Class Quality Circle (CQC) empowers the students in gaining leadership qualities and execution skills. It constitutes of all the teachers of a class and the class CQC includes student leaders too. Every Class is divided into 6 batches where every batch has 10 Student members. The composition of student members is one topper(Leader), average and slow learners and the one who has more integrity with other students of each class is nominated as class representative. The above procedure is implemented for all the sections of all years in U.G & P.G Courses.

The student members bring forward the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and any grievances related to the class. The Student Council helps students share ideas, interests, and concerns with lecturers and principal, including social events, community connects, helping people in need and college reform. Various programs like paper presentations, workshops and seminars are organized by these bodies every year.

The members of the student councils are also divided into categories which have a specific responsibility and are also nominated by the Principal on following committees such as Anti-ragging committee, Student grievance redressal cell, Annual college magazine, College Library, Cultural committee, NSS, NCC, Sports & Games.

The main aim of the Student Council is to maintain discipline in the college. The Council members identify students who have talent and interest in sports, cultural activities, NCC & NSS and motivate them to involve in various activities like Participating in competitions, industrial visits, Tournaments, Sports, organizing Annual Social Gathering, Republic Day, Independence Day etc. It is the council members responsibility to report to the class teacher about any indiscipline or unexpected issues happen in any activity. They help the college authorities in organizing and managing various curricular and co-curricular activities in the college.

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

Response: 7.6

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

2016-17	2015-16	2014-15	2013-14	2012-13
8	5	4	14	7

File Description	Document
Report of the event	<a href="#">View Document</a>
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:**

**The Alumni of KIET contribute significantly**

To facilitate interaction between old students of the entire Departments of Kakinada Institute of Engineering and Technology Campus, which includes (5 Departments).

To promote and support research and academic activities of the University teaching departments of the campus.

To promote social and cultural activities of former and current students of the Departments of Kakinada Institute of Engineering and Technology Campus.

To encourage and appreciate academic and other outstanding achievements of the Departments/Faculty.

To establish endowments and scholarships.

To award incentives/prizes for outstanding contributions of scholars.

To raise and administer funds for the society (contribution-collection).

To acquire hold and transfer properties both movable and immovable for the above purpose.

To act as a discriminating agency for transmitting knowledge, help the students to find out job opportunities through placement cell and other academic works in India and abroad. To provide service to the people.

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

**5.4.2 Alumni contribution during the last five years**

&lt;1 Lakh

1 Lakh - 3 Lakhs

3 Lakhs - 4 Lakhs

4 Lakhs - 5 Lakhs

**Response:** 3 Lakhs - 4 Lakhs

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

**5.4.3 Number of Alumni Association / Chapters meetings held during the last five years****Response:** 5

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	<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:

##### VISION

To grow as an institution excelling in nurturing youngsters in self-actualization, imbibing universal values and inventing environment-friendly technologies.

##### MISSION

Continuously building an eclectic ecosystem that fosters fresh thinking and environment-friendly consciousness.

##### QUALITY POLICY:

To seek after worldwide models of greatness in every one of our undertakings to be specific instructing, research, consultancy and proceeding with training through a procedure of self-assessment and constant change. To sustain incorporating imagination and scholarly flexibility in understudies. An arrangement of staff improvement to upgrade consumer loyalty. To guaranteeable and responsive human asset.

##### OBJECTIVES:

- Impart specialized instruction to make capable and capable architects.
- To create entrepreneurial aptitudes among the understudies.
- To enhance engine aptitudes of understudies.
- All round identity improvement.
- Training and position in conspicuous corporate.
- Institute-Industry cooperation.
- Extended learning programs
- To create train among the understudies
- To create imaginative reasoning
- Modern and precise educational experiences that develop the engineers.
- An atmosphere that facilitates personal commitment to the educational success of students in an environment that values multiplicity and society.
- Education and research partnerships with Universities, colleges, and industries.
- Highly successful alumni who contribute to the profession in the global society.
- Undergraduate and Postgraduate programs that integrate global awareness, communication skills and team building across the curriculum.
- Practical and responsible resource management.
- Training that prepares students for interdisciplinary engineering research and advanced problem-solving.
- Leadership and service to meet social needs.



Governing body designs and executes Short-term, Long-term plans integrating departmental plans, findings of SWOT analysis and other recommendations from the stakeholders. Every year this process is conducted in the institution. The policy and planning are carried out according to consultation with stakeholders. Top management with the help of the department wise committees formulates quality policy and integrates the same into the strategic plan.

Formulation of action plans and defining the policy objectives attempts to address the issues of systematic change to provide quality education. Creating robust principles, frameworks. Systems and processes the institution intends to reinforce the culture of excellence. All the systems work together as a team aiming to be champions of organizational change. The Departments fosters a healthy competitive atmosphere among themselves and each one strives to accomplish excellence in their standards

### **6.1.2 The institution practices decentralization and participative management**

#### **Response:**

The College follows the policy of decentralization. The Governing Body delegates all the academic and non-academic decisions based on policy to the college Committee headed by the Principal. The college Committee formulates common working procedures and entrusts the implementation through departments. The department coordinator manages the day to day activities of the department through CTPOs and keeps a track of co-curricular and extra-curricular activities in the College. Other units of the college like sports, arts, library etc. have operational autonomy under the guidance of the various committees/clubs/associations and students are involved from various departments in the decision-making process.

Participatory management may result in a more effective management framework.

#### **Participatory Management may contribute to a more productive environment by:**

- Promoting sustainable management practices.
- Increasing social acceptability levels.
- Minimizing social conflicts
- Greater job satisfaction which in turn increases productivity.
- Participatory Management can lead to the [empowerment](#) of employees which in turn could lead to employees taking more [risks](#).

#### **Participatory management**

The college constituted all statutory committees as per the guidelines of “AICTE” to support the Academics and Administration, which are used for the improvement of the quality of the organization. The following are the committees formed in the college are Committee For SC/ST, Minority Cell, Grievance Redressal Cell(Academics), Anti Ragging, Disciplinary, Examination & Malpractice, Transport, Women Grievance, Alumni, Academic, Hostel, Library, Sports & Games, Internal Quality Assurance Cell, Finance & Accounts, Placement & Training, Career Guidance Cell, Cultural, Admissions, NSS, HRDC, NAAC.

Activities conducted by various committees are documented from time to time.

Our organization evolved with affection and welfare of the minority, backward, and SC/ST students under the support of our committees.

Student grievances and other disciplinary issues were structurally monitored and resolved on the basis of severity. The college makes sure to find remedial measurements for the resolving of the issue as early as possible.

Our organization strength grows incredibly with a strong Alumni connect.

Academic calendar prescribed by JNTUK is strictly followed with the support of department heads and respective committees. Parent-teacher interaction is scheduled in terms of updating the student's performance record through personal phone calls and SMS. Feedbacks are collected manually by the teachers and are analyzed with the HODs. These analyses are put before the principal for deeper resolution on any serious issues. Class wise percentage analysis is done and it is forwarded to HODs and the principal.

The increase of buses created congestion in connecting the college road from the national highway. So a new roadway has been constructed from the national highway to college premises for heavy vehicle transport which gives flexibility to the pedestrians in the other way to the college.

Hygienic canteen is maintained in the campus, as a part of it, RO plant and steam cooking have been established. Subsidized food is provided in the campus in view of economically backward students.

NSS plays a key role in transforming the student into a socially responsible person which helps in their career building.

File Description	Document
Any 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:

The college management gives liberal freedom and tractability to the Principal together with the department committees to lead all the academic activities of the College. They regularly meet and take necessary steps to formulate and implement strategic plans of the institution. Mentorship is introduced in all the departments and it is commendably supervised by the Principal and the Vice-Principal. They invite suggestions from senior staff and to study the impulses of the institute in general and take steps for further improvements as far as they are within the capacity and recommend the management for modifications. The following strategies are adopted by the institution to monitor and evaluate policies:

- Regular meetings of the Councils (Governing Council, Managing Council, and IQAC)
- The feedback system (Regular feedback from Students, Staff, Alumni, Employers, and parents)
- Periodical Academic Audit Team visits the departments (Twice in a Semester).
- Regular visits by the Principal and the Vice principal to the departments and interaction with heads of the departments
- Heads of the departments monitor the system of each department regularly.
- Annual Evaluation and Presentation by each department and program Committee Coordinators regarding their activities.

### 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:

Society forms the governing body. The Governing Body is responsible for Policymaking. There are different bodies that give academic and administrative leadership to the institution works under the Principal. Bodies like Academic Departments, Examinations, Placements, Admissions, R&D, Alumni, NSS, NCC, Sports falls under Academics. Bodies like Accounts, Transport, Estate Maintenance, Hostel, Canteen, Establishment, Stores, Purchases, Security falls under Administration. An optimum level of decentralization through the autonomous departmental system and participative decision-making process are in practice.

**Service Rules and Procedures:** The institution strictly follows the service rules according to the AICTE norms. The institution runs for 8 hours. The teaching and non-teaching faculty have the benefits of PF, ESI, Casual Leaves, Earned Leaves, Medical Leaves, and Maternity leaves etc.,

**Recruitment** is taken place according to the norms of the University, a body comprising of Secretary, Dean Academic Affairs, Principal, HOD and Subject experts decides the worthiness of the faculty member by his/her performance in the interview according to the parameters they are looking for.

**Promotional Policies:** The institution follows the good academic standards, provide free transport facility to poor students, Merit scholarships are given to the meritorious students to those who have secured above 950 marks in Intermediate.

**Grievance Redressal Mechanism:** Stakeholders address their grievances/complaints through Class committee Meetings, Parent-teacher meeting, Department meeting, Principal meeting with HODs, Management Review Meeting and through the Suggestion box. All the grievances/complaints are collected, attended and resolved effectively.

File Description	Document
Any 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
ERP Document	<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>
Screen shots of user interfaces	<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:**

1. **KIET** has well-formed committees. The college constituted all statutory committees as per the guidelines of “AICTE” to support the Academics and Administration, which are used for the improvement of the quality of the organization. The following are the committees formed in the college are Committee For SC/ST, Minority Cell, Grievance Redressal Cell(Academics), Anti Ragging, Disciplinary, Examination & Malpractice, Transport, Women Grievance, Alumni, Academic, Hostel, Library, Sports & Games, Internal Quality Assurance Cell, Finance & Accounts, Placement & Training, Career Guidance Cell, Cultural, Admissions, NSS, HRDC, NAAC.
2. Activities conducted by various committees are documented from time to time.
3. Our organization evolved with affection and welfare of the minority, backward, and SC/ST students under the support of our committees.
4. Student grievances and other disciplinary issues were structurally monitored and resolved on the basis of severity. The college makes sure to find remedial measurements for the resolving of the issue as early as possible.
5. Our organization strength grows incredibly with a strong Alumni connect.
6. Academic calendar prescribed by JNTUK is strictly followed with the support of department heads and respective committees. Parent-teacher interaction is scheduled in terms of updating the student’s performance record through personal phone calls and SMS. Feedbacks are collected manually by the teachers and are analyzed with the HODs. These analyses are put before the principal for deeper resolution on any serious issues. Class wise percentage analysis is done and it

is forwarded to HOD's and the principal.

7. An increase of buses created congestion in connecting the college road from the national highway. So a new roadway has been constructed from the national highway to college premises for heavy vehicle transport which gives flexibility to the pedestrians in the other way to the college.
8. Hygienic canteen is maintained in the campus, as a part of it, RO plant and steam cooking have been established. Subsidized food is provided in the campus in view of economically backward students.
9. NSS plays a key role in transforming the student into a socially responsible person which helps in their career building.

### 6.3 Faculty Empowerment Strategies

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

##### Response:

- For teachers who have served for more than 2 years, paid maternity leave subject to a maximum of 3 months is in force. For male counterpart above period is one week.
- For teachers who have served for less than 2 years, unpaid maternity leaves subject to a maximum of 3 months is in force. For male counterpart above period is one week. ESI Health insurance scheme is in force for non-teaching staff.
- Provident fund loans are provided.
- During bus strike, each non-teaching staff was given traveling assistance.
- Drivers are given bus passes
- HODs and senior faculty are given cell phones.
- Subsidized transport for non-teaching Staff.
- Monetary benefits for those with higher qualifications such as Ph.D. as well as opportunities for those who wish to improve their qualifications.
- Study Leaves

Pursuing Ph. D: 1 day or 2 afternoons of absence per week and OD for Pre Ph.D./Paper Presentation/ FDPs related to Ph.D. work is considered.

- On duty, leave is given, to the teaching faculty to attend seminars, conferences, workshops, training programs, and faculty development programs etc.
- For Paper presentation in a conference, two-way second class sleeper fare by shortest route is reimbursed.
- Staff Welfare Fund is initiated to help staff members in meeting any emergency requirements in the form of cash or kind. The seed money for this is generated through voluntary donations from staff and management.

#### 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: 1.77

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

2016-17	2015-16	2014-15	2013-14	2012-13
8	5	2	4	0

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: 5.2**

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

2016-17	2015-16	2014-15	2013-14	2012-13
5	4	6	6	5

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>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	<a href="#">View Document</a>

**6.3.4 Average percentage of teachers attending professional development programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programme during the last five years**

**Response: 5.17**

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



2016-17	2015-16	2014-15	2013-14	2012-13
24	7	8	8	7

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

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

#### Response:

The central aim of appraisal institution is to improve the quality of education for the pupils through the development of staff and to bring about specific benefits for the individual and for the institution. The principal at Kakinada Institute of engineering and technology recognize that, while there is no nationally agreed system of appraisal for teaching & non-teaching staff, an appraisal is an entitlement and the institution wishes to recognize the contribution each member of the teaching.

The college performance appraisal system consists of the following components:

Self-appraisal: The faculty submits self-appraisal report at the end of every academic year.

Student feedback on teaching: Every semester the students give feedback about their course teachers.

Staff Appraisal by the Head of the Department: At the end of every academic year, report of the contributions of the staff members in college activities and their performance is reported by the Head of the Department.

The outcome of the review of the Performance Appraisal Reports:

The self-appraisal report and the student feedback are analyzed by the Head of Department. Based on the student feedback, the Head of Department gives suggestions for improvement in teaching, if required. The self-appraisal helps to improve an individual's performance and his/her contribution to the institutional activities.

Staff Appraisal by the Head of the Department is reviewed by the Director and HRD committee. Staff members' performance is discussed and opportunities are created to improve the same.

Some of the major decisions on the basis of Performance Appraisal Reports are as follows:

It is decided to provide incentives for quality publications and funded research in order to motivate faculty members for quality publications and research projects.

## 6.4 Financial Management and Resource Mobilization

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

#### Response:

The college has a very effective procedure for the management of financial resources. A fully computerized accounts section exists in the college and double entry system is followed to maintain the accounts of the college. The following four types of accounts are created:

Receipts and payment accounts

Income and expenditure accounts

Assets and liabilities accounts

Balance sheets

All our financial transactions are transparent and each and every transaction is supported by the vouchers. All the collections are deposited in the bank and major expenditure, recurring and non-recurring are done through cheques. Bank accounts are operated only by duly authorized persons. Two tier system of audit – the internal and external audit – is done regularly to have an effective check on the maintenance of the accounts. The internal audit committee consists of Principal, Administrative officer, and internal auditor. The external audit is done by the chartered accountant before the closure of academic session.

### Institution conducts internal and external financial audits regularly

The accounts of the college are subject to audit by the externally qualified Chartered Accountant appointed by the Governing body before the end of each financial year. The last audit was done during the year 2017 and there was no audit para pending. The audit report by the external CA is placed before the Governing body for appraisal and rectification if any. The authenticated remarks will be rectified in the forthcoming years.

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

#### Response: 0

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0



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

#### Response:

The total fees collected from the students are the major sources of funds for the college. The governing body members monitor the budgeting and optimum utilization of finance, including mobilization of resources, are the issues considered under this key aspect. The Governing body traces the budget allocated for various bodies and checks their optimal utilization of the resources. There are established procedures and processes for planning and allocation of financial resources. The institution has developed strategies for mobilizing resources and ensures transparency in the financial management of the institution. The income and expenditure of the institution are subjected to regular internal and external audit.

## 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:

KIET College has taken concrete steps for the development of students and faculty members and thus established IQAC on 11th September 2017. The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions.

KIET College has taken concrete steps for the development of students and faculty members and thus established IQAC in the year 2017.

#### Vision of IQAC

“Providing healthy, quality academic environment in pursuit of stakeholders.”

#### Mission of IQAC

- To develop metrics for the course and programme outcomes.
- To monitor Periodic assessment of benchmarks for all courses and programmes.
- Instant internal quality checks for improvement of student academic quality.
- Identification of strong, medium and low pace performers and providing suitable academic attachments and assignments.
- To establish necessary infrastructure facilities to upgrade learning sphere of scholars.
- To strive towards holistic quality 7 evaluation parameters towards choosing career breaks
- To develop self-study & evaluation parameters towards choosing career breaks
- To turn around strategies for resource mobilization for R&D, consultancy and extension activities.
- To enhance collaborative learning skills among stakeholders.

#### Strategies of IQAC

- Ensure efficiency in various academic and administrative cells.

- Establish the relevance of academic quality to augment R&D activities.
- Provide access to various cost-effective academic programmes to all sections of society.
- Use of modern methods of teaching and learning.
- Develop suitable rubrics to attain and assess academic quality.
- Deploy resources for strong support to infra-structure and technical-services.
- Focus on resource mobilization for consultancy and R&D.

### Functions of IQAC

- Development & Employ various quality benchmarks for various academic and administrative activities
- Direct & indirect Assessment & Evaluation of benchmarks for various courses/subjects.
- Direct & Indirect Attainment of benchmarks for various courses/subjects.
- Assessment and Attainment of Course Objectives and PEOs
- Assessment and Attainment of Course Outcomes and Programme Outcomes.
- Facilitating enhancement of participatory teaching-learning process using ICT.
- Develop Metrics and Evaluation for stakeholder's feedback, Analysis & Measures.
- Promulgation & Pronouncement of institutional quality standards/parameters amongst stakeholders.
- Organize workshops, seminars, conferences, symposiums, and development programmes for both faculty and students.
- Documentation of impact of various programmes attended and organized both by the student and faculty members leading to quality improvement.
- Encourage & involve both students and faculty members in Industry-Institute-Interaction programmes.
- Encourage & involve both students & faculty in professional development and association activities.
- Development of Quality Culture among stakeholders of the Institution.
- Prepare Annual Quality Assurance Report (AQAR) & upload on the website.
- Encourage student and faculty participation in workshops, seminars, conferences, symposiums, and development programmes.

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

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

#### Response:

- IQAC going to monitor the teaching-learning process at regular intervals through our organizing committee members. IQAC planning to conduct an annual meeting every two months to review the learning process, structures & methodologies of operations and learning outcomes. Based on that review the committee will give the necessary directions to improve the quality of teaching

methodologies.

- These meetings are intended to review the overall result analysis and to check the planned goals and achievements of IQAC.
- The IQAC decisions & its modifications are planned to be held at every tri quarterly meeting this is going to happen in the regular process.
- Every department will conduct workshops, training programs and guest lecturers periodically addressed by the eminent persons from Industry, Academic, and Research Institutions. Eminent experts of National reputed people will be invited from academia/organization/industries for seminars and conferences related to the subjects in course curriculum, basic practical, hands-on experience fundamental and advanced topics as planned in the IQAC.
- As part of the closure of teaching-learning process the content delivered for the respective
- Subjects along with evaluation outputs will be summed up as course files and made available to the Departments.
- Class Teachers, Class Representatives, HoDs and Staff meetings will be conducted periodically to review teaching and learning process.
- The teaching-learning process will be reviewed by senior and expert members every month.
- A detailed report will be prepared and assessed with necessary actions for the annual meeting.
- In the annual meeting, all the Head of the departments will present a detail presentation report about the planned agendas & achieved goals for the year.
- Principal and the Management Committee plans for what else can be added for the improvement and suggests the modifications to it.

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

**Response:** 0

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
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>
e-copies of the accreditations and certifications	<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:**

2012-2013

- Introduced PG programmes.
- workshops by every department

2013-2014

- Sports facilities are improved for all the games like cricket, volleyball,...
- Regular workshops by all departments

2014-2015

- Proper parking arrangements are established for all the vehicles like buses, cars, bikes etc.
- A state of the RO water plant has been established.
- Increased frequency workshops

2015-2016

- Implementation of dress code for faculty members.
- Greenery & plantation development.
- Establishment of new labs & infrastructure development in the mechanical department.
- Establishment of new labs and infrastructure to PG courses.
- To provide internet facility with 100mbps speed has been established.
- Seminars by students and regular workshops

#### 2016-2017

- Introduced 80 minutes class, to spend more time with students for clarifying their doubts
- Introduced subsidized food on campus for all
- The second route from the main road to college has been developed
- Introduced extended learning programme for all students.
- ICT facilities are established in all classrooms.
- Laptops provided to all the faculty members.
- Regular workshop and Coding Contests
- Internet bandwidth increased to 100MBPS
- free wifi to students and staff

#### 2017-2018

- The KIET alumni association is registered.
- Established IQAC in 11-September -2017.
- A state of the art cricket stadium under the collaboration of Andhra Cricket Association is now under construction.
- Regular workshops and Seminars conducted as per calendar planned
- ISO 9001:2015 Certified
- Departmental R&D Cells initiated for students and staff.

## 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: 5**

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

**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:**

**Gender Sensitivity** refers to the modification of behavior by raising awareness of equality concerns. This has been achieved in KIET by conducting various sensitization campaigns, training centers, workshop, programs etc. Having known that Sensitization in the domain of Humanities and Social Sciences is to be seen as awareness amongst the students our management aims at changing behavior so that it is sensitive to certain issues.

It may also be seen as "the awareness informed disposition or propensity to behave in a manner which is sensitive to gender justice and gender equality issues."

The students are educated and empowered with gender empowerment. Gender sensitization theories claim that modification of the behavior of teachers and parents (etc.) towards children which can have a causal effect on gender equality.

On this regard, several sensitization programs namely Saradhya and other programs were conducted whose primary objective was to give a motivational rush amongst the students educating them on Gender

sensitivity and the importance of their perception over the womankind.

Safety and Security of the girl students in the campus are regulated by a dedicated Women Counsellor who counsels them on various grievances and personal issues. Separate women Security personnel are also made available around the campus to regulate discipline. Common rooms and restrooms are made available around the campus. Moreover, special amenities are provided for women in a separate store.

### 7.1.3 Alternate Energy initiatives such as:

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

**Response:** 17.96

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

Response: 14600

7.1.3.2 Total annual power requirement (in KWH)

Response: 81288

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

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

**Response:** 54

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

Response: 6584

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 12193

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:**

Institution believes, there is nothing called Solid Waste. We call them used material. Majority of the used material can be recycled or reused for other purposes. The collection is of two categories, one is degradable and another is non-degradable. Degradable is being sent to a pit where it turns into an organic pesticide for campus plantation and non-degradable material such as plastics are being sent to mechanical labs for moulding experiments. Instead of purchasing raw plastic in Mechanical laboratories these wastes are utilized. Although paper is a bio degradable thing but it's recycling will have more advantage than any other. The used paper material will be sent to vendors in near by city for recycling purpose. Used metallic & non-metallic materials such as E-waste from computer labs and Steel, Iron, Aluminium, Wood from construction will be sent to scrap shop and further to recycling plants. From there students take the material and utilize for doing their projects.

Institution get liquid waste in two categories, one is Chemical and another one is Non-Chemical. Chemical waste will be collected in to different disposable container. Later containers will be diluted with some other liquids and will be drained down as per disposable methods suggested by Health department. Non-chemical waste will be drained through various channels as usual.

**7.1.6 Rain water harvesting structures and utilization in the campus****Response:**

Institution adopted rain water harvesting system in the campus with a strong desire to utilize the rain water at maximum extent. Since the ground water at the campus is salty, this is an advantage to institution. Water from the rooftop will be sent to water storage sump (regular sump we use for daily purposes) at ground floor. Later based on the requirement, water will be pumped up to the over head tank. This water can be utilized for day to day regular purposes. All PVC pipes of rooftop rain water vents have been connected in series to make it a single pipe line. That single pipe is directly given to ground level sump from rooftop. The quality of rainwater is usually acceptable for many purposes with little or even no treatment. Storage sump has been constructed with concrete in order to maintain the quality of the water at storage.

**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 obeys Go Green concept at all sectors i.e. from office to canteen. There is a strict prohibition on movement of vehicles in the campus at all the time. Instead faculty & students use bicycles for the internal conveyance. One of the entrances to the college is fully pedestrian friendly roads where no vehicles are allowed. Institution is strict on Eco friendly concepts too in the campus, for that there is a strict prohibition of plastic usage in canteen. Since conserving the resource is also important, for that institution optimizes the utilization of resources for the regular needs & deeds. E-governance is followed in order to reduce the time and paper usage. The institution is 19.43 acres of campus with a majority of Almond, Eucalyptus & Bamboo plantation. People can witness a flock of migratory birds in the campus during monsoon.

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

**Response:** 0.31

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)

2016-17	2015-16	2014-15	2013-14	2012-13
2.56	2.96	1.88	1.58	1.25

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	<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:** A. 7 and more of the above

File Description	Document
Resources available in the institution 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:** 5

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	<a href="#">View Document</a>

### 7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

**Response:** 5

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Report of the event	<a href="#">View Document</a>
Details of initiatives taken to engage with local community during the last five years	<a href="#">View Document</a>

**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

<b>File Description</b>	<b>Document</b>
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	<a href="#">View Document</a>

**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>

**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>

**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:** 5

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:**

Institution never forgets the great Indian personalities who brought us independence and helped us to maintain the harmony. Institution organizes national festivals and birth/death anniversaries of legends. Especially Independence Day, Republic Day & NCC Day are the major programmes which are conducted by NCC & NSS to enhance the patriotism amongst the pupils of the Institution. These activities are conducted to such an extent which is nowhere witnessed in & around the district. Apart from these, every year Institution organizes birth anniversaries of great Indian personalities like Dr. Sarvepalli Radhakrishna, Er Mokshagundam Visweswarayya, Mrs. Indira Gandhi, Mahatma Gandhi, Dr. B R Ambedkar etc., and death anniversaries of Air Chief Marshal Arjan Singh, Mahatma Gandhi, Dr. A P J Abdul Kalam etc.,

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

**Response:**

Our institution believes in maintaining complete transparency in its financial, academic, administrative & auxiliary functions. Considering the financial matters institute appoints internal & external auditors every year. This decision is always taken unanimously at the general body meeting (Governing Council meeting) of KITS Education Society. Audited statements regarding financial activities are circulated to all the concerned members of the Governing body. Through internal Academic & Administrative Audit (AAA) the transparency is maintained. All the stakeholders are involved in A & A Audit. The information regarding the College is freely made available to the public through our website viz.: [www.kietac.in](http://www.kietac.in). As the College is under RTI all the information is made available to the public. We always take care of our students from their enrollment to their overall development. Recruitment of faculty & all other necessary procedures are practiced as per the guidelines are given by higher education department, University & UGC. All circulars regarding, students, teaching staff & non-teaching staff are circulated & displayed on the notice boards. Local management committee (LMC) is the highest decision making authority. This consists of members from the management, teaching staff & nonteaching staff. Planning & execution of different auxiliary functions is discussed & decided in this committee which is communicated to all

stakeholders of our stakeholders.

## 7.2 Best Practices

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

#### Response:

#### Best Practice – 1 :

**Title of the practice:** ABHIYAAN 21 Days Induction Programme

**The context:** The ABHIYAAN Programme at KIET was initiated with the motto of imparting knowledge on skills required by the students to face the corporate world along with intense personality development which is beyond the curriculum. Academicians at KIET do believe that the curriculum alone wouldn't give the students adequate strength to survive the competitive world.

**Objectives:** The objectives of the ABHIYAAN programme are as follows,

- To improve the communication skills, presentation skills of the student.
- To enhance the student's Mathematical ability and team building activities.
- To bring awareness about Social activities and make them socially responsible.

**The Practice:** The course is taught to the students in various levels in their first year for 21 Days as a part of Induction. The intention of such a system is that gradually students learn and excel in those areas.

**Obstacles faced:** The major obstacle faced in running ABHIYAAN programme is the time factor. Therefore, the timetable has been regulated and considerable changes have been made in the academic calendar.

**Impact of the practice:** The students earn extensive knowledge in practical thinking and develop a demand in the field of engineering and the students to become Entrepreneurs with the encouragement and support rendered by the management.

#### Resources required:

- Students.
- Optimised time schedule.
- Digital Classrooms with the Internet.
- Seminar halls with facilities(Projector, Mic/Speaker)
- Resource persons, Trainers & Mentors.

#### Best Practice – 2 :

**Title of the practice:** The Extended Learning

**The context:** The Extended learning Programme at KIET raised with the motto of imparting knowledge which is beyond the curriculum. Academics alone wouldn't give the students adequate strength. It acts as a bridge between students and trends in the market. The context behind the initiation of extended learning in the institution is to make the students reach recruiter's requirement and build the entrepreneurship.

**Objectives:**

- To connect students with latest technologies.
- To develop the entrepreneurship.
- To bring out the innovation in students.

**The Practice:** In order to facilitate them with adequate resources, Students are trained in parallel with regular class work. The institution offers extended learning to students apart from the regular academic syllabus. This practice starts from the second year and will be continued till the academic project work.

**Obstacles faced:** The major obstacle faced in running extended learning is the time factor. Therefore, the timetable has been regulated and considerable changes have been made in the academic calendar. The availability of the resources persons (experts from the industry) is a bit difficult.

**Impact of the practice:** Students are well satisfied with extended learning and their positive feedback has inspired the rest. The potential of the students has been increased rapidly through this.

**Resources required:**

- Students.
- Optimised time schedule.
- Resource persons.
- Digital Classrooms.

## 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:**

The Kakinada Institute of Engineering and Technology, Korangi is an all-India Institute for higher education. The primary objective of KIET is to “eradicate Un-employability and to create a learning environment to ignite young passionate engineers who innovate and put their ideas into action.

The Institute strives hard to create a world class academy of excellence, imparting quality technical education of global standards and to nurture future leaders of innovation.

The management processes Memorandums of Understanding with prestigious Universities like IIT-Mumbai, IIT-Chennai, IIIT-Hyderabad for Internships and Training programs. In addition to this the Institute maintains Tie-up with Oracle University to run Oracle certified programs. Also the institute has a

Memorandum of Understanding with Jay Robotix an Institute with Innovative concepts which aid Technical education in a better prospect. The Institute runs their Computers with “Bharat Operating System Solution” – BOSS MOOL which encourages the slogan “Make in India”.

The campus is Wi-Fi enabled and has well furnished with Air conditioned e-class rooms, well equipped laboratories, fully automated central library with 25,000 volumes. The campus is located in a lush green, serene and salubrious area near sea shore. Moreover the attendance of the students is exercised through biometric devices.

Amongst the various engineering colleges KIET stands unique as its agenda is to build an engineer with thinking and innovative capabilities. The institute encourages extended learning and organises Guest lectures by eminent professors from IIT's and other Institutes. The Faculty focus on research and experiential learning by the students.

The Institute is TCS accredited and has strong partnerships, alliances and linkages with Government, Industry and other Higher Educational Institutions.

Students are encouraged in E-learning and the Institute runs its own online app “KIET mobile app” which aids the purpose of our Prime Minister's dream of making our country “The Digital India”. Everything in connect with the student and academics to other events the students stay connected through this Application. Even the Fees and other payments are made digital. They are also encouraged in extra-curricular activities such as Photography contests, Short film contests through the same.

## 5. CONCLUSION

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### **Additional Information :**

The college has well experienced and well-qualified faculty members to impress academic and personal excellence on young minds. The library facilitates quality internet access, reputed academic titles, subscriptions to various journals and publications and access to NPTEL videos.

The college has well-furnished and well-ventilated separate hostels for boys and girls with provision for canteen facilities and close proximity to academic blocks. Attendance for both staff and students is monitored using Biometric Devices with the help of Bees software. The college has a social welfare committee which looks after the welfare schemes issues of students.

KIET has a career guidance cell and placement cell through which many students are placed in various institutions. Tie-ups with training institutes are established to help students in further academic pursuits. Campus interviews are also arranged for the students every year. Frequent faculty training workshops are conducted and faculty is actively encouraged to take part in research and conferences.

Various clubs and associations functioning in the college provide opportunities for leadership development. Sporting Facilities and expert coaching are available to students. The college has two wings under NCC. NSS activities are conducted to raise awareness about various social issues. Blood donation camps, organ donation registrations, free medical check-ups, Vanam-Manam program etc are conducted as part of NSS. The college has its own transport facilities connecting neighboring areas for the benefit of students and staff. The college is also working closely with its alumni associations and the local communities in neighboring villages.

### **Concluding Remarks :**

KIET has often been identified as an initiator and trend setter in churning out expertly skilled, socially and environmentally conscious, and entrepreneurial graduates. Teaching and training are regularly tailored to meet the requirements of the dynamically evolving world. Along with the regular university enforced curriculum, students at the institute are trained holistically by imbuing ethical and moral values, a spirit of enquiry, self-motivation and social awareness, making them responsible global citizens. KIET stands first in sustained improvement of teaching methodologies by adopting several best practices and learning processes. The institute strives for holistic development of every student. The institution is known for its earnest practices and ethical value systems since its inception. It has adopted and always stood for transparent and systematic procedures for admissions. All the admissions are purely based on merit. The institute provides technology-enabled, congenial and eco-friendly environment for both students and faculty for seamless learning and excellence in their respective domains.

As the demand for quality technical education continues to rise, KIET endeavours to integrate excellence with commitment to educate a new generation of leaders, capable of shaping the future. The college has become a temple of knowledge and produced hundreds of eminent and skilful graduates actively and meaningfully contributing to the society.