

### Yearly Status Report - 2019-2020

Part A	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Dr. B. S. B. Reddy
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08632119726
Mobile no.	9121214741
Registered Email	kaesguntur@gmail.com
Alternate Email	bsbreddy@gmail.com
Address	Behind Kallam Spinning Mills Ltd
City/Town	NH-5, Chowdavaram, Guntur

State/UT	Andhra Pradesh																		
Pincode	522019																		
<b>2. Institutional Status</b>																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	Dr. B. Tarakeswara Rao																		
Phone no/Alternate Phone no.	08632119726																		
Mobile no.	9441045755																		
Registered Email	iqac@khitguntur.ac.in																		
Alternate Email	tarak7199@gmail.com																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.khitguntur.ac.in/AOAR/AOAR18-19.pdf">http://www.khitguntur.ac.in/AOAR/AOAR18-19.pdf</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.khitguntur.ac.in/examcell.php#jntukacalendar.php">http://www.khitguntur.ac.in/examcell.php#jntukacalendar.php</a>																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.20</td> <td>2017</td> <td>27-Mar-2017</td> <td>26-Mar-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.20	2017	27-Mar-2017	26-Mar-2022
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.20	2017	27-Mar-2017	26-Mar-2022														
<b>6. Date of Establishment of IQAC</b>	17-Feb-2016																		
<b>7. Internal Quality Assurance System</b>																			

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
No Data Entered/Not Applicable!!!		

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**8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**10. Number of IQAC meetings held during the year :**

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View Uploaded File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

IQAC is involved in enhancing quality in academic activities and administration as follows: 1. Implementation of outcome based instruction and evaluation for the courses in the programmes. Standardization of internal assessment pattern for all UG / PG programmes 2. Effective implementation of learning management system (MOOCs, NPTEL) 3. IQAC has been driving the system and the processes for achieving a level of targeted Quality. All the HODs are members of the IQAC. 4. Each one of them would implement and monitor the processes within their departments to maintain the level of desired quality and would strive to continuously improve them. 5. Further they would communicate with IQAC each of the issues if any, with regard to quality and would initiate all measures to implement the strategic directives given by the IQAC. 6. Soft skill programmes and personality development programmes for students proposed by IQAC have helped significant increase in placements. 7. With the concept of Quality initiative in

teaching, college has recruited many Ph.D holders as faculty. As of now 30 of faculty are Ph.D holders out of 168 total faculty.

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
To Send SMS alert to the parents about progress of their wards.	(i) Alerts of attendance and performance are sent to the parents by SMS (ii) Communications with parents is done through SMS , letters and by phone.
To encourage staff and students Participation in seminar, workshop and conference.	(i) Faculty members attended faculty development programs to enrich knowledge in their domains. Sponsored students to participate in national level inter institution Competitions/seminars/workshop.
To provide need based Teaching	(i) Additional revisions on the topics in syllabus and practical sessions are conducted. (ii) Support from expert guest faculty from industry and academia is taken and guest lectures are arranged.
To impart Quality Education	(i) Quality of Assignments and Teaching Aids tools are enhanced. (ii) Provision of additional Infrastructural facilities. Enhanced learning environment. (iii) Semester wise Academic Data from HODs is collected and analyzed.

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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Governing Body	22-Sep-2019

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

No

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2020



Date of Submission	01-Feb-2020
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Yes, college has Management Information System. 1. College Intranet: The following information is shared through intranet to all the teaching and non teaching staff: a. Notices and Circulars. b. Examinations Display of Internal Marks, external Marks, old question papers, Model Question papers, Invigilation duties and examination schedules. c. Digital Library Open access to all faculty and students. Digital library consists of IEEE, ASME, ASCE Journals, Digital Library Journals, Syllabus books, Lab Manuals, and other ebooks and eJournals. d. Faculty can share data on their Research Activities, through intranet. e. Weekly workload is uploaded by all the faculty members every week. f. Previous issues of KHIT Newsletters and Maxines are available on intranet. 2. Campus is connected through WiFi. 3. College Website : The following information is displayed on the college website: a. Online fees payment by students. b. Notifications, Instructions, circulars, results, Exam schedules for students are displayed on college website. c. Departmental related information is displayed under each departmental link. d. Information related to Placements, alumni, infrastructure and achievements are displayed. e. Bulk SMSs are sent to all faculties and students through siegsms, way2sms. f. Students can select open elective subjects.</p>

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Kallam Haranadhareddy Institute of Technology (KHIT) strongly believes that quality meets SUCCESS. Hence KHIT puts in a constant effort to achieve global standards and excellence in teaching, research and consultancy by creating an environment in which the faculty and students share a passion for creating and applying knowledge to continuously improve the quality of education. The teaching, learning and evaluation schedules are strictly as per the Academic

calendar notified by the JNTUK, Kakinada. The institute has well qualified, dedicated and experienced faculty. The pedagogy at KHIT provides ample opportunities for students to develop into trained and competent professionals by keeping abreast of the ever changing technologies. The traditional classroom teaching is supplemented by regular tests, tutorials, group discussions, extensive lab work, projects, seminars and industrial exposure by way of industry visits and summer training. While teaching students and keeping pace with the evolving definitions and concepts, a sincere effort is also made to cover the latest developments in each subject area. The classroom environment is congenial and makes learning proactive and the students learn a sense of team spirit, responsibility and professional integrity. It helps in building a healthy student-faculty bond, which develops students to their fullest potential and harnesses the best in the teachers. The institute and Faculty members adopt numerous policies for bridging the knowledge gap of the enrolled 'weak' students to enable them to cope with the programme of their choices as well as promote, reward and facilitate 'advanced' learners. This includes mentorship, tutorials and remedial teaching. The entire approach is student centric. The college implements a mechanism for well planned curriculum delivery, even though Syllabus revision and up gradation is done at the University level. At the beginning of each academic year, every faculty member provides a course handout to the students with individual time plans and reading lists for each course. These time plans are strictly adhered to by the faculty. The student is able to estimate what portion of the curriculum will be delivered within the stipulated time frame. As per the lesson plan mentioned in the course handout, the contents are delivered to the students and it is monitored by respective program coordinators, Heads of the Departments and members of IQAC Committee. Internal tests are conducted to evaluate the performance of students. Students regularly make present power point presentations. Continuous review of the progress of syllabus completion, performance of the students, association activities are done in the department level meetings.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
APSSDC- One Week Training Programme on ETABS	NIL	17/02/2020	6	Employability	Skill development
APSSDC- One Week Training Programme on AUTO CAD	NIL	26/08/2019	6	Employability	Skill development
PLC	NIL	08/07/2019	12	Employability	Skill development
SCADA	NIL	15/07/2019	6	Employability	Skill development
HTMLNETWORKING	NIL	11/11/2019	6	Employability	Skill development
Danush Engineering Services	NIL	05/09/2019	5	Employability	Skill development

India						
PVT,LTD.						
Connecting nation builders to HVAC company	NIL	03/09/2019	5	Both	Yes	
AUTO CAD Foundation course	NIL	04/11/2019	6	Both	Yes	
Refrigerat ion and Air conditioning Foundation course	NIL	25/11/2019	6	Both	Yes	
	NIL	09/09/2019	2	Employabil ity	Yes	
MATHEMATICAL PERSPECTIVE OF SIGNALS SYSTEMS USING MATLAB						
MACHINE LEARNING AND ITS APPLICATIONS	NIL	05/02/2020	2	Employabil ity	Yes	
OPTICAL FIBERS AND ITS MEASUREMENTS	NIL	07/01/2020	2	Employabil ity	Yes	
INTERNET OF THINGS (IOT)	NIL	14/02/2020	2	Employabil ity	Yes	
PCB DESIGN FUNDAMENTALS (SOFTWARE)	NIL	15/07/2019	3	Employabil ity	Yes	
PCB DESIGN FUNDAMENTALS (SOFTWARE	NIL	18/07/2019	3	Employabil ity	Yes	
MACHINE LEARNING AND ITS APPLICATIONS	NIL	05/02/2020	2	Employabil ity	Yes	
OPTICAL FIBERS AND ITS MEASUREMENTS	NIL	07/01/2020	2	Employabil ity	Yes	
INTERNET OF THINGS (IOT)	NIL	14/02/2020	2	Employabil ity	Yes	
PCB DESIGN FUNDAMENTALS (SOFTWARE)	NIL	15/07/2019	3	Employabil ity	Yes	
PCB DESIGN	NIL	18/07/2019	3	Employabil	Yes	

FUNDAMENTALS (SOFTWARE)				ity		
Poster Presentation	NIL	13/09/2019	2	Employability	Yes	
CodeHackthon	NIL	13/09/2019	2	Employability	Yes	
ProjectExpo	NIL	13/09/2019	2	Employability	Yes	
Seminar on Machine Learning and Its Applications in Food Engineering	NIL	28/12/2019	1	Employability	Yes	
Seminar on Employability Skills	NIL	20/01/2020	1	Employability	Yes	
Seminar on Artificial Intelligence Deep Learning	NIL	31/01/2020	1	Employability	Yes	
ORACLE DATABASES	NIL	03/02/2020	3	Employability	Yes	
What Is Software Engineering Anyway? Reflections on 50 Years of Software Engineering and the Road Ahead!	NIL	07/02/2020	1	Employability	Yes	
Technical Quiz	NIL	13/03/2020	1	Employability	Yes	
Technical Quiz	NIL	17/05/2020	1	Employability	Yes	
Technical Quiz	NIL	24/05/2020	1	Employability	Yes	
Technical Quiz	NIL	13/06/2020	1	Employability	Yes	

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	DSP Lab C412	10/06/2019
BTech	Embedded Systems C408	10/06/2019
BTech	Optical Communication C04	10/06/2019

BTech	(ECE) Electronic Switching Systems C406	10/06/2019
BTech	1.Seminar (C413)	18/11/2019
BTech	1. Mechatronics (C401) 2.Mechatronics Lab (C408) 3.Additive Manufacturing (C405) 4.Advanced Materials (C406)	10/06/2019
BTech	Seminar –C413	18/11/2019
BTech	HVDC Transmission –C410	18/11/2019
BTech	Power Systems & Simulation Laboratory – C408	10/06/2019
BTech	Linear IC Applications –C402	10/06/2019
<a href="#">View Uploaded File</a>		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Mtech	Scripting Languages	10/06/2019
Mtech	Concurrent and Parallel Programming	18/11/2019
Mtech	Artificial Neural Networks	18/11/2019
Mtech	Operations Research	18/11/2019
Mtech	Big Data Analytics	16/09/2019
Mtech	Digital Image Processing	16/09/2019
Mtech	Advanced Computer Networks	16/09/2019
Mtech	Internet of Things	16/09/2019
BTech	Object Oriented Software Engineering	16/09/2019
BTech	Advanced Databases and Mining	25/02/2020
BTech	Ad Hoc & Sensor Networks	25/02/2020
BTech	Soft Computing	25/02/2020
BTech	Cloud Computing	25/02/2020
Mtech	Principles of computer security	25/02/2020
Mtech	High Performance Computing	25/02/2020
Mtech	Ground Improvement	11/07/2019

	Techniques	
Mtech	Environmental Impact Assessment & Management	19/11/2019
BTech	Green Buildings	19/11/2019
BTech	Repair & Rehabilitation Of Structures	19/11/2019
BTech	Waste Water Management	19/11/2019
BTech	Sub-structure design	27/08/2019
BTech	Repair and rehabilitation of structures	27/08/2019
BTech	Pre-stressed concrete	11/02/2020
BTech	Earth retaining structures	11/02/2020
BTech	Energy Audit and Conservation& Management	18/11/2019
Mtech	Instrumentation	10/06/2019
Mtech	Special Electrical Machines	10/06/2019
Mtech	FACTS:Flexible Alternating Current Transmission Systems	18/11/2019
Mtech	Green Engineering Systems	18/11/2019
BTech	Additive Manufacturing	10/06/2019
BTech	Advanced Materials	10/06/2019
BTech	Non Destructive Evaluation	18/11/2019
BTech	Advanced I C Engines, Electric, Hybrid Vehicles	16/09/2019
BTech	Energy Conservation And Management	16/09/2019
BTech	Solar Energy Technologies	17/02/2020
BTech	Renewable Energy Technologies	17/02/2020
BTech	OOPs through JAVA	18/11/2019
BTech	ELECTRONIC SWITCHING SYSTEMS	10/06/2019
BTech	EMBEDDED SYSTEMS	10/06/2019
BTech	OPERATING SYSTEMS	18/11/2019
BTech	/Big Data Analytics	10/06/2019
BTech	Information Retrieval Systems	10/06/2019
Mtech	Mobile Computing	10/06/2019

Mtech	Cloud Computing	10/06/2019
Mtech	Software Project Management	10/06/2019

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	2214	0

## 1.3 – Curriculum Enrichment

### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
IPR Patients	10/06/2019	124
Professional Ethics Human Values	18/11/2019	124
English Communication Skills	10/06/2019	125
SWATCH BHARAT	11/06/2019	15
CRT	11/09/2019	110
PEHV	05/11/2019	29
IPR PATENTS	10/06/2019	29
CRT	19/08/2019	46
Preparing for technical interviews	16/08/2019	46
Communication Skills Aptitude Development	18/11/2019	124
<a href="#">View Uploaded File</a>		

### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Internships	34
BTech	Internships	15
BTech	Internships	23
BTech	Internships	6
BTech	Internships	6
<a href="#">View Uploaded File</a>		

## 1.4 – Feedback System

### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

### 1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?

(maximum 500 words)

#### Feedback Obtained

**Internal Stake holders Feedback:** For continuous Curriculum improvement, feedback from all the internal stakeholders will be taken in every semester. This will be considered during the Curriculum revision and development of infrastructure. Graduate student exit survey: In order to improve and ensure the quality of Teaching Learning Process (TLP) and identify the gaps in the curriculum, Graduate student exit survey is in place enabling to improve the curriculum and design add on courses. **Alumni Feedback:** Feedback is collected from alumni by inviting them once in a year for the alumni meet. In order to bring awareness on the demands of the industries, the alumni are suggested to share their current job profile with their juniors. Department takes care of the alumni feedback by stringently following and materializing their suggestions. **Parents Feedback:** Department organizes parents meet once in every semester and tries to work on the suggestions given by the parents. Few parents are included as the members of the Anti- Ragging committee for Institution. **Industry/Employer Feedback:** Once the student graduates and gets employed in an organization, Career Guidance, Training and Placement takes care of his/her employer feedback for healthy relationship with his employer. Feedback is received on various aspects of the college including location, office, canteen, laboratory, library, administration and academics. The points are calculated according to the grades given by the students in various criteria. The Average and percentage of various criteria are calculated. The strength and weaknesses mentioned by the students are summarized. The feedback taken from all the stakeholders is submitted to the Principal/Director after being collated, statistically analyzed and tabulated. The information from all the above mentioned interactions is discussed and deliberated in Academic Council meetings and General Body meetings for incorporating suggestions given by stakeholders.

### CRITERION II – TEACHING- LEARNING AND EVALUATION

#### 2.1 – Student Enrolment and Profile

##### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	CSE	18	4	4
Mtech	ECE	18	8	8
Mtech	MECH	24	2	2
Mtech	CIVIL	20	20	20
BTech	IT	66	0	63
BTech	CSE	198	0	188
BTech	ECE	198	0	189
BTech	MECH	132	0	39
BTech	EEE	66	0	30
BTech	CIVIL	132	0	64
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#### 2.2 – Catering to Student Diversity

##### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of	Number of	Number of	Number of	Number of
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	students enrolled in the institution (UG)	students enrolled in the institution (PG)	fulltime teachers available in the institution teaching only UG courses	fulltime teachers available in the institution teaching only PG courses	teachers teaching both UG and PG courses
2019	2185	65	164	14	6

## 2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
181	181	5	32	18	5

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Counselors counsel students of poor academic performance, for their improvement in the studies. Every 20 students are mentored by one faculty and the faculty will counsel and guide by interacting with the students at regular intervals. Exclusive career guidance classes are organized by the training and placement cell every year on regular basis. • Counseling is provided to the students as a psychological support. • Weekly a period is allocated in the timetable for student counseling, students are encouraged to convey their grievances and needs more freely to the mentors • Student mentors deal with all the students having social, economic and personal problems • The Career Guidance Cell is catering to the needs of students with the following objectives • To organize programmes to create awareness on the importance of higher studies in India and abroad • To organize coaching classes for competitive exams such as CAT,GRE,GATE, Exams and to counsel them for higher studies. • To give ideas for preparing the materials for exams. • Students are given guidance for Entrepreneurship. Career Guidance Cell: 1. To organize programs to create awareness on the importance of higher studies in India and abroad 2. To organize coaching classes for competitive exams such as CAT,GRE,GATE, TNCET Exams and to counsel them for higher studies. 3. To give ideas for preparing the materials for exams. 4. Students are given guidance for Entrepreneurship.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2185	181	1 : 12

## 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
15	15	0	15	6

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Mr. B. Satyanarayana Reddy	Associate Professor	SPOC for Swayam-NPTEL Local Chapter

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## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	1A	I/III	01/08/2020	02/11/2019
Mtech	21	I/II	18/09/2020	Nil
Mtech	21	I/I	15/02/2020	19/08/2020
BTech	1A	II/IV	18/04/2020	18/10/2020
BTech	1A	I/IV	02/11/2019	03/12/2019
BTech	1A	III/II	18/04/2020	31/12/2020
BTech	1A	III/I	02/11/2019	01/10/2020
BTech	1A	II/II	18/04/2020	Nil
BTech	1A	II/I	02/11/2019	03/02/2021

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

A student will be declared eligible for the award of the B. Tech. Degree if he Pursued a course of study for not less than four academic years and not more than eight academic years. • The candidate shall register for 180 credits and secure all the 180 credits. Distribution and Weightage of Marks • The performance of a student in each semester shall be evaluated subject - wise with a maximum of 100 marks for theory and 75 marks for practical subject. The project work shall be evaluated for 200 marks. • For theory subjects the distribution shall be 30 marks for Internal Evaluation And 70 mark for the End - Examinations. • For theory subjects, during the semester there shall be 2 tests. The weightage of Internal marks for 30 consists of Descriptive - 15, Assignment - 05 (Theory, Design, Analysis, Simulation, Algorithms, Drawing, etc. as the case may be and for Physics, Virtual Labs to be considered as Assignments) Objective 10 (Conducted at College level with 20 Multiple choice question with a weightage of ½ Mark each). The objective examination is for 20 minutes duration. The subjective examination is for 90 minutes duration conducted for 15 marks. Each subjective type test question paper shall contain 3 questions and all questions need to be answered. The Objective examination conducted for 10 marks and subjective examination conducted for 15 marks are to be added to the assignment marks of 5 for finalizing internal marks for 30. Internal Marks can be calculated with 80 weightage for best of the two Mids and 20 weightage for other Mid Exam As the syllabus is framed for 6 units, the 1st mid examination (both Objective and Subjective) is conducted in 13 units and second test in 46 units of each subject in a semester. • The end semester examination is conducted covering the topics of all Units for 70 marks. End Exam Paper: PartA 1st Question is mandatory covering all the syllabus which contains seven 2 marks questions for 14 marks with atleast 2 marks of question for each of the six units and in PartB 4 Questions out of 6 Questions are to be answered with each carrying 14 marks. PartA, PartB put together gives for 70 marks. • • For practical subjects there shall be continuous evaluation during the semester for 25 internal marks and 50 end examination marks. The internal 25 marks shall be awarded as follows: day to day work - 10 marks, Record 5 marks and the remaining 10 marks to be awarded by conducting an internal laboratory test. The end examination shall be conducted by the teacher

concerned and external examiner. The end semester examination is conducted covering the topics of all Units for 70 marks. End Exam Paper: PartA 1st Question is mandatory covering all the syllabus which contains seven 2 marks questions for 14 marks with atleast 2 marks of question for each of the six units and in PartB 4 Questions out of 6

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

An academic calendar is prepared by the designated coordinator at the beginning of odd and even semester. This includes the academic activities at the college level. The draft calendar is discussed in HOD's meeting and all the suggestions which are approved in the meeting is incorporated before releasing the calendar to all departments by the principal. All the internal assessment tests are conducted centrally as per the academic calendar. Formative and summative feedback is administered as per the schedule. All other activities like Scholarship award function, Cultural programs, Games and Sports, Project Exhibition etc. are celebrated as per the plan. In case of any eventuality/emergency a particular event may be re scheduled with the permission of the head of the institution.

## 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 in website of the institution (to provide the weblink)

<http://khitguntur.ac.in/IOAC.php#IOACPO.php>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
87	Mtech	Structural Engineering	13	8	61.54
21	Mtech	Thermal Engineering	11	0	0
58	Mtech	CSE	2	2	100
05	BTech	CSE	108	70	64.81
04	BTech	ECE	167	112	65.7
03	BTech	Mech	95	67	70.53
02	BTech	EEE	50	40	80
01	BTech	CIVIL	104	86	82.69
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## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://khitguntur.ac.in/IOAC.php#IOACSSS.php>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	365	Kallam Agro Products Oils Pvt. Ltd-Guntur	350000	350000
Industry sponsored Projects	365	Tirumala Cotton Agro Products Pvt. Ltd-Guntur	350000	350000
Industry sponsored Projects	365	Sri Dhanalakshmi Cotton Rice Mills Pvt. Ltd., Chilakaluripet,	350000	350000
Interdisciplinary Projects	0	NIL	0	0
Minor Projects	0	NIL	0	0
Major Projects	0	NIL	0	0
Any Other (Specify)	0	NIL	0	0
International Projects	0	NIL	0	0
Students Research Projects (Other than compulsory by the University)	0	NIL	0	0
Major Projects	0	NIL	0	0
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### 3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Information about IPR	MBA	11/11/2019
Information about IPR	CIVIL	11/11/2019
India First Leadership Talk on Innovation for Resurgent India	CIVIL	22/08/2019
India First Leadership Talk on Innovation for Resurgent India	ECE	22/08/2019
Information about Intellectual Property	CSE	19/11/2019

### 3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Quiz	U.Sai Kiran	SMCE	07/02/2020	Participation
Project expo	U.Sai Kiran	NEC	14/02/2020	Participation
Quiz	V.Ramu	GEC	18/02/2020	Participation
Project expo	V.Ramu	GEC	18/02/2020	Participation
Quiz	V.Ramu	NEC	14/02/2020	Participation
Project expo	V.Ramu	NEC	14/02/2020	Participation
Nill	L.G.Nga Santhoshi	GEC	18/02/2020	Participation
Nill	L.G.Nga Santhoshi	SMCE	07/02/2020	Participation
Project expo	L.G.Nga Santhoshi	NEC	14/02/2020	Participation
Quiz	L.G.Nga Santhoshi L.G.Nga Santhoshi	NEC	20/02/2020	Participation
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### 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
MSME KHIT	MSME	MHRD	NA	NA	20/12/2019
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## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	01	00

### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
BSH	2
CSE	1

### 3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CIVIL	12	1.0
National	Mechanical Engineering	0	0
International	Mechanical Engineering	15	7.22
National	ECE	5	0
International	ECE	0	0
National	CSE	0	0

International	CSE	43	4.73
National	BSH	0	0
International	BSH	12	2
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
CSE	5
EEE	4
Civil	1
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
fuzzy logic control system with smart meter and controllable loads	R.Subbar eddy, U.Na vabharathi	PARISHODH	2020	0	KHIT-JNTUK	0
Performance analysis of plug-in electric vehicle supported DVR for Power quality improvement and energy back up strategy	Dr.L.Shan mukha Rao, T.Ganesh	International Journal of Engineering and Advanced Technology (IJEAT)	2020	0	KHIT-JNTUK	0
Power quality improvement using intelligent fuzzy-VLLMS based shunt active filter	Dr.L.Shan mukha Rao, J.Vara Lakshmi	International Journal of Engineering and Advanced Technology (IJEAT)	2020	0	KHIT-JNTUK	0
Interconnection of	Dr.L.Shan mukha	International	2020	0	KHIT-JNTUK	0

hybrid power system to grid enhance power quality features in DG system using multilevel STATCOM	Rao, Sk. Shabana	Journal of Engineerin g and Advanced Technology (IJEAT)				
Control of Modular Multilevel Converter Fed 3-Phase Induction Motor using DTC with PI Controller	Mr.M.Sri ramulu Naik, Dr.G udapatiSam basiva Rao	Internat ional Journal of Innovative Technology and Exploring Engineerin g (IJITEE)	2020	0	KHIT-JNTUK	0
Speed and Flux Control of 3-Phase Induction Motor with MMC Topology by Using DTC Technique	Mr.M.Sri ramulu Naik, Dr.G udapatiSam basiva Rao	Jour of Adv Research in Dynamical Control Sy stems (JARD CS)	2019	0	KHIT-JNTUK	0
Low cost Arduino based energy efficient home automation system with smart task scheduling	Dr.L.Sha nmukha Rao, K.Raju	Internat ional Journal of Engineerin g and Advanced Technology (IJEAT)	2019	0	KHIT-JNTUK	0
Soil Int eraction of Building Frame Resting on Clayey Soil: Effect of Change of	C. Ravi Kumar Reddy, Ana nthakavyaS upriya	IJRTE	2019	0	KHIT-JNTUK	1

Footing Size						
Soil Interaction of Building frame Resting on Clayey Soil: Effect of Change of Aspect ratio	C. Ravi Kumar Reddy, Merin Salman Raj uKoppula	IJRTE	2019	0	KHIT-JNTUK	3
Non - Linear Finite Element Analysis of Mild Steel Gusset Plates	C. Ravi Kumar Reddy, K. S. Vivek	Science Direct	2019	0	KHIT-JNTUK	2

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A critical evaluation of interline unified power quality conditioner (IUPQC) with PI, Fuzzy ANFIS controllers	Dr.L.Shanmukha Rao, A.Pan duranga Rao, A.Navya	International Journal of Engineering and Advanced Technology (IJEAT)	2020	14	0	KHIT-JNTUK
Performance analysis of plug-in electric vehicle supported DVR for Power quality improvement and energy	Dr.L.Shanmukha Rao, T.Ganesh	International Journal of Engineering and Advanced Technology (IJEAT)	2020	14	0	KHIT-JNTUK



back up strategy						
Power quality improvement using intelligent fuzzy-VLLMS based shunt active filter	Dr.L.Sharmukha Rao, J.Varalakshmi	International Journal of Engineering and Advanced Technology (IJEAT)	2020	14	0	KHIT-JNTUK
Interconnection of hybrid power system to grid enhance power quality features in DG system using multilevel STATCOM	Dr.L.Sharmukha Rao, Sk. Shabana	International Journal of Engineering and Advanced Technology (IJEAT)	2020	14	0	KHIT-JNTUK
Control of Modular Multilevel Converter Fed 3-Phase Induction Motor using DTC with PI Controller	Mr.M.Sriramulu Naik, Dr.GudapatiSambasiva Rao	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2020	40	0	KHIT-JNTUK
Speed and Flux Control of 3- Phase Induction Motor with MMC Topology by Using DTC Technique	Mr.M.Sriramulu Naik, Dr.GudapatiSambasiva Rao	Jour of Adv Research in Dynamical Control Systems (JARD CS)	2019	17	0	KHIT-JNTUK
Low cost Arduino based energy efficient home automation	Dr.L.Sharmukha Rao, K.Raju	International Journal of Engineering and Advanced Technology	2019	14	0	KHIT-JNTUK

system with smart task scheduling		(IJEAT)				
Remediation of urban lake water and sediments	M.Satish Kumar	IJRTE	2020	3	0	KHIT-JNTUK
Soil Interaction of Building frame Resting on Clayey Soil: Effect of Change of Aspect ratio	C. Ravi Kumar Reddy, Merin Salman RajuKoppula	IJRTE	2019	3	0	KHIT-JNTUK
Non - Linear Finite Element Analysis of Mild Steel Gusset Plates	C. Ravi Kumar Reddy, K. S. Vivek	ScienceDirect	2019	3	Nil	Nil
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### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	8	12	0
Presented papers	2	4	6	0
Resource persons	0	0	0	0
Attended/Seminars/Workshops	0	150	0	0
Presented papers	0	0	0	0
Resource persons	0	3	1	0
Attended/Seminars/Workshops	5	10	0	0
Attended/Seminars/Workshops	14	2	0	0
Presented papers	6	0	0	0

Resource persons	0	0	0	0
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### 3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Services for Orphanage	KHIT-NSS	12	145
Awareness programme on Plantation of Saplings	Ek Bharat Shreshta Bharat - Union ministry of human resources, Guntur KHIT	50	340
Road Safety Awareness Program	Transport Department, Government of AP, Guntur,	80	500
Girls Child day	KHIT	15	120
Higher education Quality and skill development program	Andhra Pradesh state council of higher education - AP Government	55	600
Pulse Polio Campaign	KHIT- NSS	10	250
One week special program	KHIT- NSS	5	100
Personality Development Workshop	Viveka Barathi-RSS, Guntur	30	350
Blood Donation camp ( on occasion of CM birth day)	Madya Vimoshana committee, Guntur (Red Cross Society Blood Bank, Guntur)	45	480
Blood Donation Camp	Needs NTR Blood Banks, Guntur	15	300
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Project Expo in Tech-Fest (Samkalp-2019)	First ,Second Third Prize	KHIT	8
Mock interview (VI VAVVIT-2019)	First ,Second Third Prize	KHIT	7

potential Professor (VIVAVVIT-2019)	First Second Prize	KHIT	4
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swatch Bharat	KHIT	Swatch Bharat	10	150
Ek Bharat Shreshta Bharat - Union ministry of human resources, Guntur KHIT	KHIT	Awareness programme on Plantation of Saplings	1	10
Viveka Barathi- RSS, Guntur	Viveka Barathi- RSS, Guntur	Personality Development Workshop	1	10
Madya Vimoshana committee, Guntur (Red Cross Society Blood Bank, Guntur)	Madya Vimoshana committee, Guntur (Red Cross Society Blood Bank, Guntur)	Blood Donation camp (on occasion of CM birth day)	1	10
DISHA ACT RALLY	Ek Bharat Shreshta Bharat -Union ministry of human resources, Guntur	DISHA ACT	1	200
Pulse Polio Campaign	KHIT- NSS	Pulse Polio	1	25
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### 3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Journal Publication (1)	Dr. M. Satish Kumar, KHIT Mr. P. Siva Sankar, KHIT Mr. AmbatiDattatreya Kumar, V R Siddhartha Engineering College	NIL	2020
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship training	Industry-Institute Interaction	CANTER CADD India Pvt Ltd	01/01/2020	31/01/2020	04
Internship training	Industry-Institute Interaction	Satya Constructions Pvt Ltd	22/11/2019	22/12/2019	01
Internship training	Industry-Institute Interaction	KDM Engineers Pvt Ltd, Guntur	10/05/2019	15/06/2019	11
Internship training	Industry-Institute Interaction	KMV Projects sites at shimoga smart city Koppal Medical College	25/11/2019	21/12/2019	02
Internship training	Industry-Institute Interaction	Industrial training certificate panchayat Raj Department, PRI Division, Prathipadu	27/11/2019	26/12/2019	05
Internship training	Industry-Institute Interaction	Visakhapatnam steel plant, Visakhapatnam	02/12/2019	14/12/2019	07
Internship training	Industry-Institute Interaction	Lamkonda Power Constructions, Narasaraopet	24/11/2019	16/12/2019	01
Internship training	Industry-Institute Interaction	ANJANA ASSOCIATES, AT AGRAHARAM, GUNTUR	25/11/2019	16/12/2019	03
Internship training	Industry-Institute Interaction	TEJA ASSOCIATES BUILDING PLANS, ESTIMATIONS, ELEVATIONS SUPERVISIONS	22/11/2019	18/12/2019	03

Internship training	Industry-Institute Interaction	ASE Structural Design Consultancy, Anandapet, Ponnur Road, Guntur	22/11/2019	07/12/2019	02
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
APSSDC	25/10/2019	Training Innovation Cell	50
TECK TEAM SOLUTIONS, VIZAG	22/02/2020	Training Innovation Cell	50
Efftronics System Pvt Ltd., Vijayawada	01/01/2020	Research, Internship Placements	50
SP SOFTWARE, HYDERABAD	22/03/2020	Internship Placements	50
Aarshadhaatu Green Nanotechnologies India Pvt.Ltd.-Guntur	03/09/2019	Project Work	8
Kallam Spinning Mills Ltd. Guntur	05/02/2019	Internships, Placements	10
Kallam Agro Product Oils (P) Ltd., Guntur	08/02/2019	Internships, Placements	10
DHANUSH INFOTECH, HYDERABAD	13/10/2019	Internship Placement	4
Koti Group of Ventures (P) Limited	10/11/2019	Interaction between Industry and Institution	112
CodeTantra Tech Solutions Pvt.Ltd	08/07/2019	Training for Campus Placements	51
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#### CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

##### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
10000000	8793251

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
------------	-------------------------

Others	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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## 4.2 – Library as a Learning Resource

### 4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
R.K. SOLUTIONS	Fully	9.8	2015

### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	20488	5823816	641	115232	21129	5939048
Reference Books	3951	1102007	40	13212	3991	1115219
e-Books	213	0	32	0	245	0
Journals	107	247142	6	24283	113	271425
e-Journals	0	82954	0	0	0	82954
Digital Database	0	0	0	0	0	0
CD & Video	1207	0	0	0	1207	0
Library Automation	0	0	0	0	0	0
Weeding (hard & soft)	123	35782	0	0	123	35782
Others (specify)	0	0	641	0	641	0

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### 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
---------------------	--------------------	---------------------------------------	-----------------------------

Dr.Ch.RaviKumar Reddy	Stuctural Analysis-1	Intranet	10/07/2019
Dr.Moparathi Satish Kumar	Remote Sensing and Geographical Information System	Intranet	10/07/2019
Mr.Kodali.Srinivas	Strength of Materials-I	Intranet	10/07/2019
Mr.Palem Siva Sankar	Fluid Mechanics	Intranet	10/07/2019
Mr.Medu.Jugal Kishore	Environmental Engineering-I	Intranet	10/07/2019
Mr.Rayaprolu V S R Pavankumar R	Waste Water Management	Intranet	10/07/2019
Mr.Kollimarla.Siva Kiran	Design and Drawing of Steel Structures	Intranet	10/07/2019
Mr.Vasana.Rajendra Kumar	Surveying-I	Intranet	10/07/2019
Mr.Panta.Sai Mahesh Reddy	Engineering Geology	Intranet	10/07/2019
Mr.Nakka.Venkata Mohana Krishna	Building Planning and Drawing	Intranet	10/07/2019
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### 4.3 – IT Infrastructure

#### 4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwid th (MBPS/ GBPS)	Others
Existin g	629	15	100	2	2	8	6	100	0
Added	0	0	0	0	0	0	0	0	0
Total	629	15	100	2	2	8	6	100	0

#### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS
----------------

#### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
EDC	<a href="http://khitguntur.ac.in/ecemat/UNIT-1(edc).pdf">http://khitguntur.ac.in/ecemat/UNIT-1(edc).pdf</a>
STLD	<a href="http://khitguntur.ac.in/ecemat/UNIT-1(stld).pdf">http://khitguntur.ac.in/ecemat/UNIT-1(stld).pdf</a>
SIGNALS SYSTEMS	<a href="http://khitguntur.ac.in/ecemat/ssnotes.">http://khitguntur.ac.in/ecemat/ssnotes.</a>



	<a href="#">pdf</a>
<b>CONTROL SYSTEMS</b>	<a href="http://khitguntur.ac.in/ecemat/csnotes.pdf">http://khitguntur.ac.in/ecemat/csnotes.pdf</a>
<b>EMTL</b>	<a href="http://khitguntur.ac.in/ecemat/emtlnotes.pdf">http://khitguntur.ac.in/ecemat/emtlnotes.pdf</a>
<b>ANALOG COMMUNICATIONS</b>	<a href="http://khitguntur.ac.in/ecemat/acnotes.pdf">http://khitguntur.ac.in/ecemat/acnotes.pdf</a>
<b>PULSE DIGITAL CIRCUITS</b>	<a href="http://khitguntur.ac.in/ecemat/UNIT-1(PDC).pdf">http://khitguntur.ac.in/ecemat/UNIT-1(PDC).pdf</a>
<b>ANTENNA WAVE PROPAGATION</b>	<a href="http://khitguntur.ac.in/ecemat/awpnotes.pdf">http://khitguntur.ac.in/ecemat/awpnotes.pdf</a>
<b>Web Technologies</b>	<a href="https://lakshmikanthpaleti.wordpress.com/web-technologies/">https://lakshmikanthpaleti.wordpress.com/web-technologies/</a>
<b>Software Testing Methodologies</b>	<a href="https://khitguntur.ac.in/csema/STM%20UNIT-1.pdf">https://khitguntur.ac.in/csema/STM%20UNIT-1.pdf</a>
<b>Computer Networks</b>	<a href="https://khitguntur.ac.in/csema/CN%20UNIT-1.pdf">https://khitguntur.ac.in/csema/CN%20UNIT-1.pdf</a>
<b>Mobile Computing</b>	<a href="https://khitguntur.ac.in/csema/R16/UNIT-1%20(MOILE%20COMPUTING).pdf">https://khitguntur.ac.in/csema/R16/UNIT-1%20(MOILE%20COMPUTING).pdf</a>
<b>Object Oriented Analysis and Design using Uml</b>	<a href="https://khitguntur.ac.in/csema/R16/OOAD%20using%20UML%20UNIT-I.pdf">https://khitguntur.ac.in/csema/R16/OOAD%20using%20UML%20UNIT-I.pdf</a>
<b>Data Warehousing and Mining</b>	<a href="https://khitguntur.ac.in/csema/DWDM%20UNIT-1.pdf">https://khitguntur.ac.in/csema/DWDM%20UNIT-1.pdf</a>
<b>Artificial Intelligence</b>	<a href="https://khitguntur.ac.in/csema/AI%20UNIT-1.pdf">https://khitguntur.ac.in/csema/AI%20UNIT-1.pdf</a>
<b>Software Architecture and Design Patterns</b>	<a href="https://khitguntur.ac.in/csema/R16/SADP%20Unit%20I%20PPT.pdf">https://khitguntur.ac.in/csema/R16/SADP%20Unit%20I%20PPT.pdf</a>
<b>Database Management Systems</b>	<a href="https://khitguntur.ac.in/csema/R16/UNIT-1-DBMS-R16.pdf">https://khitguntur.ac.in/csema/R16/UNIT-1-DBMS-R16.pdf</a>
<b>Stuctural Analysis-1</b>	<a href="http://khitguntur.ac.in/civilmat/SA-1/OTAL.pdf">http://khitguntur.ac.in/civilmat/SA-1/OTAL.pdf</a>
<b>Remote Sensing and Geographical Information System</b>	<a href="http://khitguntur.ac.in/civilmat/RS&amp;GIS/UNIT-5&amp;6.pdf">http://khitguntur.ac.in/civilmat/RS&amp;GIS/UNIT-5&amp;6.pdf</a>
<b>Strength of Materials-II</b>	

	<a href="http://khitguntur.ac.in/civilmat/SM-2/UNIT-1&amp;2(NOTES).pdf">http://khitguntur.ac.in/civilmat/SM-2/UNIT-1&amp;2(NOTES).pdf</a>
Fluid Mechanics	<a href="http://khitguntur.ac.in/civilmat/FM/UNIT-1.pdf">http://khitguntur.ac.in/civilmat/FM/UNIT-1.pdf</a>
Environmental Engineering-I	<a href="http://khitguntur.ac.in/civilmat/EE-1/1.pdf">http://khitguntur.ac.in/civilmat/EE-1/1.pdf</a>
Waste Water Management	<a href="http://khitguntur.ac.in/civilmat/WWM/UNIT-5&amp;6.pdf">http://khitguntur.ac.in/civilmat/WWM/UNIT-5&amp;6.pdf</a>
Design and Drawing of Steel Structures	<a href="http://khitguntur.ac.in/civilmat/DDSS/T.SHEET-2(BEAMS).pdf">http://khitguntur.ac.in/civilmat/DDSS/T.SHEET-2(BEAMS).pdf</a>
Surveying-II	<a href="http://khitguntur.ac.in/civilmat/surveying/UNIT-4,5&amp;6.pdf">http://khitguntur.ac.in/civilmat/surveying/UNIT-4,5&amp;6.pdf</a>
Engineering Geology	<a href="http://khitguntur.ac.in/civilmat/EG/UNIT-3,4,5&amp;6.pdf">http://khitguntur.ac.in/civilmat/EG/UNIT-3,4,5&amp;6.pdf</a>
Building Planning and Drawing	<a href="http://khitguntur.ac.in/civilmat/BPD/TOTAL%20SHEETS.pdf">http://khitguntur.ac.in/civilmat/BPD/TOTAL%20SHEETS.pdf</a>
Environmental Impact Assessment and Managment	<a href="http://khitguntur.ac.in/civilmat/EIAM/UNIT-5.pdf">http://khitguntur.ac.in/civilmat/EIAM/UNIT-5.pdf</a>
Geotechnical Engineering-I	<a href="http://khitguntur.ac.in/civilmat/GTE-1/TOTAL%206%20UNITS.pdf">http://khitguntur.ac.in/civilmat/GTE-1/TOTAL%206%20UNITS.pdf</a>
Environmental Engineering-II	<a href="http://khitguntur.ac.in/civilmat/EE-II/UNIT-1,2&amp;3.pdf">http://khitguntur.ac.in/civilmat/EE-II/UNIT-1,2&amp;3.pdf</a>

#### 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
2000000	1953873	3500000	3324433

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institution obtains the necessary requirements of class rooms, laboratories and other infrastructural resources from each HOD well before the beginning of the academic year. After validation of the requirements in IQAC the available resources are allocated to each department. Any new facility to be constructed acquired is provided by the management before the semester begins. Wherever there exists a situation that a facility (a laboratory) is required by more than one department suitable adjustments in the time table would make the optimal use of the laboratory a possibility. Right from its

inception in the year 2010 the college has been improving its infrastructure to meet its ever increasing growth. Additional blocks for academic and administrative purposes have been constructed. Floors have been added to the existing blocks to enhance the facilities. Renovation of older blocks and modernization of laboratories have been done to meet the ever changing academic requirements. The institution has a permanent manager to take care of all the construction work, be it add on constructions or maintaining the existing ones. The buildings are maintained for their upkeep and repairs on a regular basis. The house keeping team regularly maintains the buildings, corridors and other places clean and tidy. The wash rooms are maintained by a team on a regular basis to maintain their usability. Departments managed by their heads are responsible for maintaining the laboratory equipment for their operational conditions. Before the beginning of the academic year the HODs would budget for repairs and maintenance in all their laboratories for the concerned academic year. They identify the agencies who would undertake the maintenance work and would get the equipment ready for operations before the beginning of every semester. The institution has an IT cell headed by a senior member of the faculty to oversee the procurement, maintenance, repairs and replacement of equipment like computers, laptops, projectors and others in the domain area of information technology across the institution.

<http://www.khitguntur.ac.in/IQAC.php#IQACpolicy.php>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Merit Scholarship	154	1417500
Financial Support from Other Sources			
a) National	Government sources	1749	68240700
b) International	NIL	0	0
<a href="#">View File</a>			

#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
CRT (4TH YEAR)	19/08/2019	104	Talentio Solutions India Pvt Ltd
CRT (3RD YEAR)	27/11/2019	117	Talentio Solutions India Pvt Ltd
TECHNICAL TRAINING	02/12/2019	30	NANDI FOUNDATIONS
PYTHON SKILL DEVELOPMENT PROGRAM LEVEL-I	19/08/2019	14	APSSDC-MSTP
PYTHON SKILL DEVELOPMENT PROGRAM	04/09/2019	14	APSSDC-MSTP

<b>LEVEL-II</b>			
Total station training program (bride course)	01/12/2019	120	Unique survey solutions,vijayawada
Personal Counselling	17/06/2019	341	In house
Guidance for competitive Examinations	16/12/2019	15	Staff
Remedial coaching (II-I)	12/09/2019	20	In-house
Remedial coaching (II-II)	13/02/2020	15	In-house
<a href="#">View File</a>			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Guidance for competitive Examinations	6	0	8	0
2019	Career Development	0	50	0	3
2019	Competitive Examinations	104	0	0	0
2019	Career Counselling	0	104	0	70
2019	Guidance for competitive exams	0	0	0	0
2019	career guidance	0	140	0	95
2019	competitive examinations (IELTS/GATE/PGECET)	117	0	2	72
2019	COMPETITIVE EXAMS TRAINING (GATE, APPSC, GROUPS)	4	13	0	0

[View File](#)

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
ABC TECHNOLOGIES, BANGALORE	47	12	RSMIPL	15	7
<a href="#">View File</a>					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	6	B-Tech	EEE	0	0
<a href="#">View File</a>					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	0
SET	0
SLET	0
GATE	0
GMAT	0
CAT	0
GRE	0
TOFEL	0
Civil Services	0
Any Other	2
<a href="#">View File</a>	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
QUIZ	Inter-College level (State level)	1
CHESS	Inter-College level (State level)	1

CARROMS	Inter-College level (State level)	14
KABADDI	Inter-College level (State level)	24
KHO-KHO	Inter-College level (State level)	4
VOLLYBALL	Inter-College level (State level)	6
BASKET BALL	Inter-College level (State level)	4
TABLE TENNIS	Inter-College level (State level)	2
CHESS	Intra-College level	10
SHOT- PUT THROW	Intra-College level	15
<a href="#">View File</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)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	II Prize	National	1	Nil	188X1A0202	A.Vikash
2019	1st	National	1	Nil	188X1A0401	A.sai chandu
2019	1st	National	1	Nil	188X1A0442	K.Pavitra
2019	2ND	National	1	Nil	188X1A0464	N.Susmitha
<a href="#">View File</a>						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

108
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### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes
<p>Yes. Alumni association of the college has been registered in year 20162017 with two batches leaving the college, starting with strength of 100. Every year the students leaving the college automatically become members of alumni. The following are the activities of alumni associate. 1. Alumni association meetings are held one in a year in the campus. 2. Members of Alumni are in the Boards of Studies, IQAC. 3. Alumni address the third year and fourth year students periodically towards carrier guidance. 4. About 2 alumni have become entrepreneurs. It is a happy note that some of them recruited our own students, becoming employers. 5. Heads of departments regularly are in touch by emails with the respective alumni to receive their feedback in framing Vision, Mission, PEOs and POs.</p>

5.4.2 – No. of enrolled Alumni:

457

5.4.3 – Alumni contribution during the year (in Rupees) :

10000

5.4.4 – Meetings/activities organized by Alumni Association :

yes, • Alumni meets are conducted annually and lectures by alumni are arranged by all departments. • Alumni interacts with the present students to motivate and guide • Alumni assist in placement activity by giving references to Training Placement Officer.

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The institution as already indicated promotes participative management. • Various different committees at institutional levels and departmental levels are responsible for planning and executing many operational procedures in the institution. • The institution firmly believes that achievement of quality is every employee's business and everyone in the institution has a stake in contributing towards achievement of excellence. • Every employee at all levels has an opportunity to contribute his/her innovative ideas leading to improved processes and hence higher quality results. This is achieved through the committees operating at strategic (Management and Principal), mid-level (Deans and HODs) and operational (Departments and cells) levels of management.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

### 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Industry Interaction / Collaboration	The following strategies are being adopted to enhance the admission quality: 70 of the admissions are done by the Convener, EAMCET, Govt. of Andhra Pradesh. Remaining 30 of the seats are filled by the Management based on the guidelines given by Govt. of Andhra Pradesh from time to time.
Human Resource Management	As a part of Quality Improvement programme, review and enhancement of HR policies and procedures of the institution has been completed and an updated and comprehensive HR framework would be in place before the beginning of the academic year2019-20.
Library, ICT and Physical Infrastructure / Instrumentation	The college has a central library with plinth area 600 sq m with all modern facilities. The library has the following resources: Titles : 3962 Total No.of volumes : 21129 Reference

Books : 3991 Library Automation : OPAC, supplied by GLOBAL SOLUTION software e-books :1420 e-journals: : IEEE,JGATE(JET),Delnet, N-LIST,ASCE(Digital Library)

PrintJournals : 113 Book Bank for SC/ST :Available Back Volumes of Project Reports : Available Seating Capacity : 150Nos. Timings : 8.20 am to 6.00pm

Digital Library Number of Computers : 20 Broad Band Internet Connectivity : 100 mbps (8Hours) Library Server : 1 Server Model HP280G1MT Intel Core i5-4590S, 3.0 GHZ,8GB RAM, HDD 1TB E-Learning Materials : 1998 Hours of NPTEL Video Courses on 149 Subjects 123 Hours of SONET Video Course on 15 subjects. Media Resource Centre : Reprographic and Printing Documentation. Number of users per day : • The students are encouraged to utilize the learning materials available in the library. • The faculty and students avail the benefit of video lectures like NPTEL. • The faculty and students refer to the online and print journals for literature to publish/present technical papers • Students refer to the e-learning resource material to enhance their technical knowledge. • The library and Internet centre are kept open beyond the working hours of institution.

#### Research and Development

The institution is engaged in research and development with 2JNTUK approved research centers to facilitate faculty to pursue research activities and executing sponsored projects. The research policy of the institution is reviewed annually and published to all faculty / website. The revised policies are encouraging in terms of direction and quality of research, workload, reimbursement of expenses and support grants. Apart from the approved research centers, the institution has established centers of excellence to facilitate both the faculty and the students to pursue research activities. Students in particular can work on current technology through mini-projects and experiments in identified areas beyond the coverage of the syllabus thereby they acquire the knowledge/skill by doing. Commencing from first year in the department / program, Centre of Excellence (CoE) activities are planned and scheduled.



	Students are motivated to enroll and engage in learning. Designated faculty mentors the activities in the Centers of excellence. The mini-projects and the final year major projects are exhibited on a "SAMKALP" every year. The alumni and industrialists are invited to evaluate the projects to reward the selected projects
Examination and Evaluation	<p>The institution has adopted an Outcome Based Education (OBE) system. As the Institution is affiliated to JNTUK, Kakinada during 19-20, the examination/evaluation procedures stipulated by the university is being followed 10 marks earmarked for online examination in the respective theory subjects. This has created a positive impact on attendance and the results. Project Seminars, Assignment and attendance are made as a part of evaluation. Jumbling system in examinations has been introduced by the affiliating University and is being followed by the Institution to conduct the examinations</p>
Teaching and Learning	<p>We aspire to continuously improve our performance through systematic monitoring and up gradation of all aspects of Teaching - Learning Process and Research Development.</p> <ul style="list-style-type: none"> <li>• Problem based learning</li> <li>• Pre placement training</li> <li>• Initiative to Carry out campus placement drives</li> <li>• Encouragement of Staff and Students towards Research</li> <li>• Guidance to students for getting admission for higher studies.</li> <li>• Encouraging students to do mini projects in the concerned subjects</li> <li>• Expert lectures/NPTEL lectures to create awareness to students</li> <li>• Conduction of Skill Development training programs</li> <li>• PPT presentation on theoretical concepts</li> <li>• Periodical evaluation of results of the students in semester end examinations</li> <li>• Conduction of Remedial classes for the academically backward students</li> <li>• Separate mechanism on teaching and learning process based on course outcomes</li> </ul>

#### 6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	NIL
Administration	NIL

Finance and Accounts	The institution has been using a competent software to maintain and manage the inflow and outflow of the finances. The accounting starting from the foundation entries till production of statement of accounts and financial reports required for strategic management, in particular strategic planning are being produced through usage of software.
Student Admission and Support	NIL
Examination	The institution in collaboration with JNTUK has adapted online transactions for all the processes like registering of students with JNTUK for semester end exam, obtaining admission tickets generated on JNTUK website and downloading question papers for Semester End Evaluation (SEE). Even appointment of examiners for practical examination has been computerized. Mandated by JNTUK, the institution has installed web cameras to monitor the conduct of examinations in various blocks. The results are announced online which are downloaded for analysis at the institution level. The institution has been planning to install an Enterprise Resource Planning (ERP) software for managing all the processes including admissions, placement, finance, staff welfare, Teaching-learning and examination, student performance and progression.

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Mr.K.SivaKiran	One week FDP on Structural Design Guide lines for concrete Steel bridges	Organizing Committee	1500
2019	Mr. Mr.P.Sai Mahesh reddy	One week FDP on Structural Design Guide lines for concrete Steel bridges	Organizing Committee	1500
2019	Mr.V.Rajasekh	One week FDP	Organizing	1500

	arreddy	on Structural Design Guide lines for concrete Steel bridges	Committee	
2019	Mr.M.Eshwarreddy	One week FDP on Structural Design Guide lines for concrete Steel bridges	Organizing Committee	1500
2019	Mr.P.SivaSankar	One week FDP on Structural Design Guide lines for concrete Steel bridges	Organizing Committee	1500
2019	Mr.V.S.R.PavanKumar.R	One week FDP on Structural Design Guide lines for concrete Steel bridges	Organizing Committee	1500
2019	Mr.M.J.Kishore	One week FDP on Structural Design Guide lines for concrete Steel bridges	Organizing Committee	1500
2019	Prof.K.Srinivas	One week FDP on Structural Design Guide lines for concrete Steel bridges	Organizing Committee	1500
2019	Dr.M.Satish Kumar	One week FDP on Structural Design Guide lines for concrete Steel bridges	Organizing Committee	1500
2019	Dr. C.Ravikumarreddy	One week FDP on Structural Design Guide lines for concrete Steel bridges	Organizing Committee	1500
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme	Title of the administrative training programme	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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	organised for teaching staff	organised for non-teaching staff				
2019	One Week FDP on Structural Design Guidelines for concrete Steel bridges	NIL	22/04/2019	27/04/2019	29	Nill
2019	Simulation Maintenanc e And pollutions aspects of thermal power plants	NIL	11/11/2019	15/11/2019	50	Nill
2019	Processing and Charac terization of metal matrix composites	NIL	27/05/2019	31/05/2019	50	Nill
2019	IOT Fund amentals and IOT Advanced	NIL	05/08/2019	08/08/2019	47	Nill
2019	Recent Advances in Communi cation Technology	NIL	07/11/2019	09/11/2020	45	Nill
2020	Faculty Developmen t Programm eonEfficie nt Literature Review Techniques in Research P erspective	NIL	13/05/2020	13/05/2020	1	Nill
2020	Three Day Faculty De velopment Programme on Recurrent	NIL	14/05/2020	16/05/2020	8	Nill

	Convolutio n Neural Network -An Approach To Deep Learning					
2020	Three Day Faculty De velopment Programme on CLOUD DATACENTRE INFRASTRUC TURE	NIL	18/05/2020	20/05/2020	8	Nill
2020	Three Day Faculty De velopment Programme on BLOCK CHAIN TECHNOLOGY	NIL	26/05/2020	28/05/2020	7	Nill
2019	IOT Fund amentals and IOT Advanced	NIL	05/08/2019	08/08/2019	7	Nill
<a href="#">View File</a>						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Innovations to Academicians	1	11/05/2020	16/05/2020	6
Research Challenges andInnovations in Renewable Energy Systems	1	11/05/2020	16/05/2020	6
Recent Advances in Civil Engineeri ng-2020"	4	20/05/2020	22/05/2020	3
Disruptive Technology	1	26/05/2020	30/05/2020	5
Civil Engineering Research - A Step forward	5	25/05/2020	30/05/2020	6

Global Trends in Civil Infrastructural Engineering (GTCIE-2020)	3	26/05/2020	30/05/2020	5
Recent Emerging Trends in Civil Engineering	1	28/05/2020	30/05/2020	3
Advanced NDT Techniques Applications in Industry	1	25/05/2020	30/05/2020	6
Research Methodologies, Tools and Techniques	1	08/06/2020	12/06/2020	5
Building Information Modelling	10	29/06/2020	03/07/2020	5

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#### 6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
168	0	45	0

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Free Transportation is provided for teaching staff . Maternity leave facilities are being extended to the women faculty in accordance to the set rules and norms.	Free Transportation, PF for NonTeaching staff . Maternity leave facilities are being extended to the women faculty in accordance to the set rules and norms.	Group Insurance Immediate medical assistance is available in a large hospital adjoining our campus. Hostel resident students have utilized this facility, whenever required

### 6.4 – Financial Management and Resource Mobilization

#### 6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Each department constitutes academic and administrative audit committee based on the approval of the Director of the college. The committee identifies strengths and weakness of each department and furnishes recommendations for future development. These are done by every department regularly every year. The summary of the audit reports are also furnished in NBA reports

#### 6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NIL	0	0

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6.4.3 – Total corpus fund generated

0

**6.5 – Internal Quality Assurance System**

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	NA	Yes	IQAC
Administrative	Yes	Chartered accountant	No	NIL

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

**Aims and Objectives:**

- To foster and promote good relationship among the members of the Teaching staff, student and parent/guardians of the students
- To assist students coming from Socially and Economically backward group financially or otherwise to complete Engineering education successfully
- To promote the activities of the Training and Placement Cell and to conduct Seminars and Technical/Training programmes for the students to achieve technology oriented skills/jobs

The major three Activities are

1. First Year Orientation: Parents Teacher Association arranged a function to welcome the first year students and their parents on the orientation day of commencement of classes
2. Class wise parent teacher association: Interpersonal interaction also took place between the parents and the concerned subject teachers out of which the parents were able to find out about their ward's attendance record and their performance in the recently concluded examination.
3. Annual Day Celebrations: The College invited the parents as the part of the Annual Day Celebrations for the disbursement of merit scholarship to the top 10 percent of the students.

Institute believes in maintaining a holistic relationship between teachers and parents so as to improve the quality of education and it adopts several initiatives in this direction

6.5.3 – Development programmes for support staff (at least three)

Development programmes for support staff (at least three) Supporting staff are encouraged to continue their education for improvement of their qualification.

- 1) Technical workshop to conduct lab as and when the syllabus changes
- 2) Refresher course on usage of software tools
- 3) Personality development program

6.5.4 – Post Accreditation initiative(s) (mention at least three)

- 1) Working towards accreditation by NBA by reinforcing OBE system faculty are encouraged to innovatively improve the processes including evaluation processes to achieve attainment higher levels of course outcomes
- 2) Revised set of HR Policies for sourcing, recruitment, maintenance and retention.
- 3) Renovation and addition of physical and IT infrastructure, modernization of existing laboratories and establishing new laboratories in line with industry's requirements, establishment of centers of excellence (research laboratories) to provide a platform for research for both students and faculty.
- 4) Motivating and supporting entrepreneurial drive amongst students by establishing Incubation Centre.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes

c)ISO certification	Yes
d)NBA or any other quality audit	Yes

#### 6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
<a href="#">View File</a>					

### CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

#### 7.1 – Institutional Values and Social Responsibilities

##### 7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International Women's day	06/03/2020	06/03/2020	436	0

##### 7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Environmental Consciousness and Sustainability/Alternate Energy initiatives such as: Percentage of power requirement of the College met by the renewable energy sources

##### 7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	2500
Ramp/Rails	No	0
Braille Software/facilities	No	0
Rest Rooms	Yes	2500
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0
Any other similar facility	No	0

##### 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
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2019	8	10	24/01/2020	1	Girls Child day	Social responsibility	75
2019	8	10	23/01/2020	1	Higher education Quality and skill development program	Education	59
2019	8	10	19/01/2020	1	Pulse Polio Campaign	Health	101
2019	8	10	06/01/2020	1	One week special program	Charity	90
2019	8	10	22/12/2019	1	Personality Development Workshop	knowledge	48
2019	8	10	21/12/2019	1	Blood Donation camp ( on occasion of CM birth day)	Health	180
2019	8	10	14/12/2019	1	Blood Donation Camp	Health	115
2019	8	10	17/02/2020	1	Services for Orphanage	charity	60
2019	8	10	15/02/2020	1	Awareness programme on Plantation of Saplings	environment	98
2019	8	10	25/01/2020	1	Road Safety Awareness Program	environment protection	106

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#### 7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
JOB RESPONSIBILITIES OF ASSOCIATE PROFESSOR/ASSISTANT PROFESSOR	Nil	1. Teaching and ensuring attendance of students as per University norms. 2.

		Planning and implementation of instructions received from Head/principal. 3. Student's assessment and evaluation. 4. Developing resource material for teaching and learning. 5. Extension of services to the industry and community. 6. Continuing education activities. 7. Co-curricular and extra-curricular activities 8. Students counseling/ mentoring scheme implementation. 9. R D work on industrial problems consultancy. 10. Liaison with parents and community.
JOB RESPONSIBILITIES OF SYSTEM ADMINISTRATOR	Nill	JOB RESPONSIBILITIES OF SYSTEM ADMINISTRATOR
JOB RESPONSIBILITIES OF LAB. INSTRUCTOR.	Nill	1. To draw the lab schedules for the students and display on the board. 2. To record and maintain their attendance of the students. 3. To ensure discipline of the students in the laboratory. 4. To assist students in practicals in the laboratory. 5. To conduct lab examination as and when required. 6. To assist the system administrator to maintain the network and the computers. 7. To maintain database of marks of various exams and assist faculty member in compilation 8. submission of term work, preparation of marks lists. 9. To assist the faculty member in conducting lab sessions of their students.
JOB RESPONSIBILITIES AND DUTIES OF PROFESSOR / DEAN/HOD	Nill	1. Providing leadership in both postgraduate and under graduate in relevant field of specialization. 2. Research and research

		<p>guidance. 3. Consultancy services. 4. Teaching, including laboratory development writing of books monograph. 5. Evaluations of tutorials, assignments, journals, answer papers. 6. Interaction with industry. 7. Continuing education activities. 8. Student's counseling. 9. Interaction with other institutions, Universities at state, national and international levels. 10. Organizing seminars, workshops, summer schools and winter schools for teachers and professionals. Publishing papers in national and international journals</p>
JOB RESPONSIBILITIES OF PLACEMENT OFFICER.	Nill	<p>1. Prepare a data bank of potential industries for placements and keep updating. 2. Initiate correspondence with industries and organize recruitment process for placements. 3. Organize HR meet to strengthen rapport with corporate world. 4. Organize printing of placement Brochures/soft copies of information regarding students placements. 5. Obtain feedback from industries regarding strength and weaknesses of students who have been placed finally. 6. Obtain feedback from industries regarding performance of placed students (one year or more) and obtain inputs additional training/grooming of current students at least for their year. 7. Grooming the students for placements by organizing soft skill trainings. 8. Counseling of students regarding emerging areas of job opportunities. 9.</p>

		Organize talks by experts to motivate students to seek job opportunities in emerging areas. 10. Give feedback to the faculty about strength weaknesses of students to enable them to initiate appropriate grooming activities.
Job Responsibilities of Librarian	Nil	Job Responsibilities of Librarian 1. To prepare and issue of Library cards to students and staff. 2. To receive demand slips from students and issue books to students as per their demand and library rules. 3. To follow up return of books issued to students and staff members. 4. To maintain fine collection register and instruct students to deposit the fine in the bank through challan. 5. To receive requisitions and issue and receive books from students, staffs following complete procedure

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Teachers Day Celebration (Birth Anniversary of Dr. Sarvepalli Radhakrishnan)	05/09/2019	05/09/2019	1600
Engineers Day Celebration (Birth Anniversary of Sir Vishweshwaraya)	15/09/2019	15/09/2019	1870
Human Rights Day	10/12/2019	10/12/2019	250
Yoga Day	21/06/2019	21/06/2019	350
Women's Day	08/03/2020	08/03/2020	400
Constitution Day	26/11/2019	26/11/2019	160
Vigilance Week	29/10/2019	03/11/2019	145
National Education Day	11/11/2019	11/11/2019	500
<a href="#">View File</a>			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- 1) Green audit 2) Rain water harvesting 3) Use of renewable energy 4) Afforestation 5) Waste management

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

Best Practices: Best Practices1: Title of the Practice: RESEARCH INITIATIVE 1. Goal: To inculcate a culture of analytical thinking, and develop an exploratory search for knowledge amongst both staff and students. 2. The context: The world of education today is now research driven. The absence of research would leave large lacunae in the current fast paced progressive society. Students need to realize the importance of opening their minds to the endless possibilities of research application. 3. The practice: Faculty development programs are conducted regularly in the department and the staff members are encouraged to attend the seminars and workshops at reputed organizations. Providing the special leave facility and other incentives to attend the International conferences is a regular practice in the institution. 4. Problems encountered and resources required: As the management is generous enough in providing the financial resources to the faculty and the student members who are in research, it has created a good academic ambiance. No problems were encountered in implementing such practice. Best Practice2: Title of the Practice: ENHANCING INTERPERSONAL SKILLS OF STUDENTS. 1. Goal: It is to motivate and groom the academic and professional skills among the students, so that they can develop their interpersonal and employability skills. 2. The Context: Students require rigorous practice and continuous encouragement in order to be hired by the best institutions in the campus placements drives. The institution aims at excelling the career of the students. 3. The Practice: In the present day competitive world, apart from subject knowledge, communication skills, presentation skills and creative skills are also given much importance. The institution aims at developing the competitive spirit among the students. They should develop professional skills inorder to meet the challenges of life. They have to enhance their knowledge levels and must have knowledge on latest developments and also must have creativity. To inculcate these skills, the students are encouraged to attend the campus recruitment training classes. Resource persons of the expertise will conduct the classes and hone the skills of the students so that they can be ready with employability skills. 4. Problems encountered and resources required: As majority of the students are from rural background, they were needed to start from the basic principles. So the process exceeded than the expected duration. Apart from that there is no other problem encountered particularly. Best Practice 3 : 10, 00000 Scholarships to the toppers 1. Goal: Encouraging and motivating the students to excel in academics. 2. The Context: Motivating the students to get cash prize to first and second toppers in each section of each class of a branch. 3. The Practice: To make the students abreast with latest technological developments and create an innovative mind set and to bring out their innate talents and potential, the ten lakh scholarship has helped a lot. Every year the toppers of each class of each branch are receiving cash prizes in the annual day celebrations and receiving the cash price from the hands of the chief guest. It is encouraging them and boosting them to strengthen their confidence levels and be successful in their future endeavors. 4. Problems encountered and resources required: To say frankly, there are no serious problems that have been faced so far. It is a time taking process to identify the toppers in the class, as there are slight variations in the percentage of marks.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.khitguntur.ac.in/IOAC.php#IOACPractice.php>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust Provide the weblink of the institution in not more than 500 words The primary objective of the institution is the pursuit of Academic Excellence and Placements. It is well understood from the vision and mission statements of KHIT to emerge as a place of brilliance providing technological Knowledge and Research oriented exploration while imbibing professional human values in making students to meet the global standards. The various programs and activities that have been implemented to achieve the above are listed below: • English Communication skills and Campus Recruitment Training classes were introduced at the 2nd year, 3rd year and 4th year levels. • Laboratory Learning is enriched at the institutional level by incorporating with advanced add-on experiments and Hobby Projects. • Students are encouraged to present technical seminars by collecting literature on advanced technology using power point presentation. • Technology workshops are organized with active student participation. Internships and Industry Oriented mini projects are made part of their curriculum to impart practical knowledge in industrial processes. • Institute Innovation Council and Entrepreneurship Development Cell are organizing Boot camps and Webinars for promoting innovation and Entrepreneurship amongst the student community. As a result of the above initiatives KHITs distinctiveness is reflected in the following mentioned achievements. Distinctive features of the institution: • Students Centric learning methods such as Experiential Learning, Participative Learning and • Problem solving methods are implemented. • The institution follows strict implementation of curriculum planning and delivery. • The college strictly adheres to the academic calendar as prescribed by university. • The latest educational practices like outcome based education are implemented. • The college has achieved 60 record in placements for eligible students. • Students are encouraged to take up entrepreneurship by imparting training. • Students are encouraged to participate in cultural and sports events. • College conducts many extension activities through NSS. • The Institution received recognition for its significant contribution.

Provide the weblink of the institution

<http://khitguntur.ac.in/IOAC.php#Performance.php>

### 8.Future Plans of Actions for Next Academic Year

- Improving employability of graduates by conducting skill development training programs.
- Improving teaching learning process by encouraging use of ICT in education
- Strengthening of research by motivating the faculty to participate in conferences and workshops.
- Establishment of industry sponsored incubation