



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	KAMALA INSTITUTE OF TECHNOLOGY AND SCIENCE
Name of the head of the Institution	K. SHANKER
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	091-9177670003
Mobile no.	9000181003
Registered Email	principal@kitssingapuram.ac.in
Alternate Email	kitssingapuram@yahoo.co.in
Address	Singapur, Huzurabad (Mandal)
City/Town	KARIMNAGAR
State/UT	Telangana
Pincode	505468

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		Self financed			
Name of the IQAC co-ordinator/Director		Dr.M.V.Satish Kumar			
Phone no/Alternate Phone no.		+919000181003			
Mobile no.		9849313697			
Registered Email		iqac@kitssingapuram.ac.in			
Alternate Email		principal@kitssingapuram.ac.in			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		https://kitssingapuram.ac.in/new/aqar/AQAR2018_19.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		https://kitssingapuram.ac.in/new/docs/2020_21/IAC2019_20.pdf			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.89	2019	09-Aug-2019	08-Aug-2024
6. Date of Establishment of IQAC			09-Jul-2014		
7. Internal Quality Assurance System					
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	
Two day workshop on		07-Feb-2020		22	

Calibration of Instruments	2	
Intellectual Property Rights and protection	25-Jan-2020 1	28
An expert lecture on Methods and Techniques for quality learning in Engineering Education	25-Jan-2020 1	270
Two days national workshop on Advances in Embedded Systems Design	18-Oct-2019 2	68
Recent Methodologies in Intellectual Property Rights	26-Sep-2019 1	40
One day workshop on patents and patentability assessment	24-Sep-2019 1	34
One Day Workshop on Inculcating Universal HumanValues in Technical Education.	23-Aug-2019 1	20
Student Orientation Program- Quality Technical Education- Role of Students and Parents	05-Aug-2019 1	750
One Day Workshop on Communication skills in work place for Non-Teachning Staff	19-Jul-2019 1	15
A motivational lecture on Quality metrics for outcome based education - Institutional Approach	15-Jul-2019 1	69
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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!!!				
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
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 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)

• Institution got accreditation by NAAC with B plus plus grade. • Institution got ISO 9001:2015 certification. • IQAC has taken initiative to apply for NBA and formed a committee to coordinate the preparation of prequalifier and SAR. • IQAC has arranged guest lectures on quality metrics for outcome based education and methods and techniques for quality learning in engineering education • IQAC has conducted mock verification of NBA files and Academic Administrative Audit (AAA) for the academic year 20192020 by inviting external experts. • IQAC has taken initiative in strengthening internal evaluation system and insisted to incorporate Bloom's Taxonomy in midterm examination papers. • IQAC has insisted all the departments to have a minimum of 5 MoUs and also suggested to enhance the number by signing at least one new MoU every year.

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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 encourage Faculty and Students to participate in MOOCS.	Many of the staff and students enrolled various courses and got certification.
To motivate faculty members to get registered for Ph. D.	A good number of faculty members have registered for Ph.D. 35 faculty members are presently pursuing their Ph.D. and four faculties obtained their doctorates this academic year.
To encourage departments to organize guest lectures by eminent people.	An expert lecture on "Methods and Techniques for quality learning in Engineering Education" was organized.
To encourage students to participate in Competitions on innovation/Hackathons/ Workshops etc.	Students have attended competitions on idea presentations and won prizes.
To encourage students to undergo internships.	Many of the students have undergone offline / online internship programs.
To encourage staff to attend FDPs/ Workshops/ Conferences	Most of the faculty members have attended FDPs/ Workshops through offline & online mode.
To organize an awareness program on Patents and patenting.	A one day workshop was organized on Patents and patentability assessment.

To conduct minimum one Alumni meet by each department.	Some of the departments have organized Alumni meets (online & offline).
To give awareness to staff members about outcome based education	A motivational lecture was delivered by Prof. Ch. Venkatesh, Dean Academic Affairs, KITS Warangal on 15Jul2019. All the staff members who attended the lecture got insight about Quality metrics for outcome based education
To apply NBA for at least three departments and to monitor the progress.	A committee was formed to take up the work for NBA accreditation process (preparation and submission of prequalifier SAR.). Mock verification of NBA files was conducted by inviting external experts.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
IQAC	23-Jan-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	02-Aug-2019
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	04-Mar-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	All the important sections of the institute have relevant softwares for smooth functioning of day to day activities of that particular section. Academic section has an attendance monitoring software by name KITS 24x7. This software is meant for sending messages to parents about the class wise attendance of their wards. This software is also used for sending marks obtained by the students in every subject of midterm examinations. Examination branch has a self developed
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set of application programs in Microsoft Visual Foxpro, to view students marks and prepare department wise results analysis report. This software also enables to track data of an individual student like number of overall and semester wise backlogs, credits obtained by him/her, eligibility for promotion to next semester etc., Central library of the institute has purchased library automation software by name LSEase (Rel.5.7.2) from Libsys Corporation , New Delhi. This software enables easy storage and retrieval of data related to textbooks. Data pertaining to textbooks issued to staff and students along with their title, author, publisher, accession number, and date of issue can be easily tracked. Finance and accounts department and also hostel office of the institute have exclusive accounts software by name Tally Silver for its foolproof operations. It is helpful in maintaining daily accounts, receipts payments, income and expenditure and preparation of balance sheet.

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

• The institute strictly follows the curriculum given by the affiliating university, JNTUH. • The institution ensures effective curriculum delivery through a well planned mechanism and documented process. • The subject workload is distributed to teachers based on their specialization and experience. They prepare teaching schedules, course files and subject files which are endorsed by the Head of the Department. • Apart from black board and chalk, the teachers are encouraged to use innovative methods like ICT tools to promote effective content delivery. • Bridge courses are conducted for diploma students. • The syllabus coverage takes place as per JNTUH academic calendar. • The institute prepares a calendar of events by keeping the JNTUH academic calendar in view. • A Class review committee consisting of the head, academic coordinator, and class coordinators meets periodically with the student representatives to solve the issues related to syllabus coverage and problems in academics. • A counseling system (mentor-ward system) exists to monitor students' social, emotional competencies, personal and professional problems. Each teacher acts as a counselor (mentor) and monitors 20 students. • Internal evaluation (25%) is as per the norms of JNTUH. The average of two internal exams, each with 10 marks for subjective evaluation, 10 marks for objective evaluation and 05 marks for assignments is considered for internal assessment. The external exams are evaluated for 75 marks (75%). • Assignments are prepared keeping in view for the attainment of Course Outcomes and Program Outcomes. • Slow learners are

identified through mid exam result analysis and remedial classes are planned for them. • Evaluation of teaching-learning process is through a review meeting of the Institute Academic Committee after the first mid examination in each semester. • Student progression is monitored by communicating the attendance and marks to parents through www.kits24by7.in portal, which is an initiative of ICT enabled teaching-learning process by our staff and students. • Students are encouraged to develop projects which are used in the academic initiatives of the institute and the faculty profile login is such an initiative in our college website. • Students are encouraged to continuously improve their performance by imbibing the various outcome based practices like collaborative learning, group learning & project based learning. • Parent Teacher meetings are conducted once in a semester to make the parents aware of their ward's performance. • Student evaluation report of teachers' performance on a 10 point scale is collected at the end of each semester. Quality enhancement measures like special training, encouraging them to attend faculty development programmes etc are adopted for teachers who score below 6. Employability skills of students are enhanced through Training and Placement cell (T&P cell). • Department Academic Committee (DAC) identifies the gaps in the curriculum, if any, and organises several activities to enable our students to compete in the global market. • Real-world life experiences are taught to students by inviting guest speakers both from the academia as well as industry.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Aptitude Training by TRIUMPHANT TRAINING SOLUTIONS, Hyderabad	Nil	01/07/2019	5	Employability	Employability
Technical Training in C, C++, Java and Data Structures by K Venkat Ramana, from Naresh Technologies Hyderabad	Nil	06/07/2020	5	Skill Development	Skill Development
Soft skills Training by TRIUMPHANT TRAINING SOLUTIONS, Hyderabad	Nil	08/07/2020	5	Skill Development	Skill Development
Certification Training in Java Fundamentals, by Oracle Academy	Nil	17/12/2019	5	Skill Development	Skill Development
coding on	Nil	17/07/2019	3	Skill	Skill

				Development	Development
(C, C, Java and Data Structures) by FACE Academy Hyderabad					
Technical training for WIPRO by Talentio, Hyderabad	Nil	01/10/2019	2	Employability	Employability
Technical HR mock interviews have been conducted for TCS shortlisted students by Mr. Vamshi Krishna, soft skills trainer from Triumphant Training Solutions	Nil	16/08/2019	3	Employability	Employability
Technical Training has been conducted for ZENQ shortlisted students	Nil	13/09/2019	1	Employability	Employability
Aptitude Training by TRIUMPHANT TRAINING SOLUTIONS, Hyderabad	Nil	18/01/2020	2	Employability	Employability
Soft skills and Verbal Training by TRIUMPHANT TRAINING SOLUTIONS, Hyderabad	Nil	01/03/2020	5	Skill Development	Skill Development
Aptitude training session on 4th February, for III IV years students has been	Nil	04/02/2020	5	Employability	Employability

conducted by Mr Anil Nair, Apititude expert.						
Dr Y Purander, Dean Placements, KITS Warangal, conducted one-day session on Succesful Placements	Nil	06/02/2020	1	Employabil ity	Employabil ity	
workshop on career op portunities and preparation by Mr Vamshi Krishna	Nil	18/02/2020	1	Employabil ity	Employabil ity	

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	COMPUTER SCIENCE AND ENGINEERING	15/07/2019
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	15/07/2019
BTech	MECHANICAL ENGINEERING	15/07/2019
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	15/07/2019
BTech	CIVIL ENGINEERING	15/07/2019
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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
BTech	CIVIL ENGINEERING	15/07/2019
BTech	ELECTRICAL AND ELECTRONICS ENGINEERING	15/07/2019
BTech	MECHANICAL ENGINEERING	15/07/2019
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	15/07/2019
BTech	COMPUTER SCIENCE AND ENGINEERING	15/07/2019
Mtech	AMS	15/07/2019

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

	Certificate	Diploma Course
Number of Students	1309	Nil

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
Webinar on " New age concrete- Self Compacting Concrete"	06/06/2020	563
Webinar on Green Concrete- A snap short	13/06/2020	457
One day Workshop was conducted for Diploma students on "Career opportunities for Diploma Holders"	18/12/2019	203
Webinar on "Role of Special Concrete" in concrete	11/06/2020	200
One day workshop on 5G communication	30/10/2019	180
One day workshop on Workshop on Blockchain Technology	28/02/2020	181
Constitution of India	16/12/2019	130
Professional Practice Law Ethics	15/07/2019	123
Total Quality Management	16/12/2019	123
English Language and Communication Skills Lab	16/08/2019	120
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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	Civil Engineering	64
BTech	Electrical and Electronics Engineering	109
BTech	Mechanical Engineering	184
BTech	Electronics and Communication Engineering	141
BTech	Computer Science and Engineering	147
View File		

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

As the feedback is an important element in the outcome based education, a proper feedback system and its analysis is very important for enriching the curriculum and provide a greater impetus to the overall development of the institute. In this process, (online) feedback from various stakeholders on curriculum, infrastructure facilities etc and also Class Representatives (CR's) meeting on teaching-learning processes are collected regularly and analyzed. The feedback from various stakeholders on curriculum are taken on a 3-point scale (Disagree, Agree, Strongly agree) on various points like design of the curriculum, electives offered, course objectives, advanced experiments etc. The Parent-Teacher meeting is conducted and the minutes of the meeting are maintained. The inputs from the analyzed data are considered and the suggestions given by the stakeholders and the difficulties faced by the students are noted and implemented to strive for the overall growth of the students as well as the development of the institute. Based on the feedback from the stakeholders, several initiatives are taken up by the TP cell as well as the EDC cell for arranging various training programmes and entrepreneurship development programmes to make students ready for employment and also to make them entrepreneurs. Alumni Meets are conducted by the departments during the academic year (once in a semester) and valuable feedback from the alumni are taken regarding the teaching-learning processes, level of meeting the expectation, alumni excelling in their career, impact of training, motivation rendered by the staff, getting along with others, discipline etc. The alumni are made to interact with their juniors and guide them how to excel in their future career. The feedback on Teaching-Learning process is recorded at the end of each semester. 70-80 percentage of students of a class is involved in this process. A specified feedback form, consisting of 10 questions, is issued at the end of the semester to all the students in the class room. The students are asked to Grade each question on the scale of 1-5. (1-Poor, 2-Average, 3-Good, 4-Very good, 5-Excellent.) A cumulative total of all grades given for 10 questions are calculated and accordingly a teacher is graded and if a teacher falls below the minimum expected rating scale, initially is counselled by the HOD and the Principal and asked to attend workshops and refresher courses to enhance his/her knowledge. Also, such teachers are also attached to a senior teacher for guidance. A teacher who secures highest grade in their respective departments are given an appreciation letter as a token of encouragement. The Class Representatives (CR's) meeting is conducted by the HOD as well as the Principal and the inputs from the class leaders are taken on teaching-learning processes, infrastructure facilities, library, hostels etc and the minutes of the meeting are recorded. Corrective measures are implemented for the growth of the student as well as the institute.

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
BTech	B.Tech CIVIL ENGINEERING (A01)	66	49	49
BTech	B.Tech ELECTRICAL & ELECTRONICS ENGINEERING (A02)	132	77	77
BTech	B.Tech MECHANICAL ENGINEERING (A03)	132	96	96
BTech	B.Tech ELECTRONICS & COMMUNICATION ENGINEERING (A04)	132	122	122
BTech	B.Tech COMPUTER SCIENCE ENGINEERING (A05)	132	132	132
Mtech	M Tech Advanced Manufacturing Systems (D33)	18	5	5

[View File](#)

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1944	13	109	Nil	3

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
112	112	22	15	5	10

[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)

Yes, a mentoring system is implemented in the Institute. All faculty members are assigned with 20 students who mentor the students during their course of study in the institute. The allocated mentors counsel their students until the completion of the course. The mentors interact with their students regularly and also monitor their academic performance along with attendance. All the students are counseled by the mentors, class coordinator subject faculties and HOD for the improvement of their academic performance and attendance. Mentors and class coordinator counsel the students regarding their performance and arrange for extra classes by scheduling additional lectures/practical sessions. At first year level, the students academic and personal issues are looked after by the class coordinator / mentors. The critical cases are handled by first year in-charges. Thus, the students realize their responsibilities during the early stage itself. The mentoring system is strictly followed by all departments from the second year onwards. The students are guided with respect to career, personality development along with academic issues. Special care is given to those students who have suffered from health and other personal issues and got demotivated and lagging in academics and other areas. The mentor conducts counseling meeting every fortnight, in which all the students are advised to meet their mentors for discussing their academic and personal issues. The students having less attendance and those who have missed their midterm exams are paid special attention from the mentors side. The students are sometimes advised to call their parents for parent's interactions. The mentor keeps track of their improvements and counsels the students accordingly. The mentor's role is to nurture the students and guide them in resolving any issues they come across. The students with personal/family problems, if any are given counseling and supported by the counselors. A large number of students who pursue the professional course are quite focused still few of them may fall short of credits to get promoted to the next semester, such students are given counseling by the mentors and the subject teachers and remedial lectures are conducted. Students are supported and guided both in co-curricular and extra-curricular activities. The class coordinator of the class discusses the problems with each and every student individually and supports them in all the possible ways to enrich their academic performance. The mentors also contact the parents and educate them about their wards performance, discuss academic programs of the college as well. The mentors always keep a check on the attendance of the student, the marks/grades obtained in the internals externals examination, and also regarding his/her candidature in the campus placement and encourage them in attending training classes arranged by T P. Mentors identify the weak learners among his/her mentees and see that they attend the remedial classes arranged by the department. Mentors will give awareness to the mentees about different career prospects and also guide them in preparing for competitive exams for placement as well as higher studies.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1944	112	1:17

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
111	112	Nil	Nil	19

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	M Pradeep Kumar	Assistant Professor	Best Paper
View File			

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-	Date of declaration of results of semester-
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			end examination	end/ year- end examination
BTech	A01	IV Year I Semester	17/12/2019	07/02/2020
BTech	A02	IV Year I Semester	17/12/2019	07/02/2020
BTech	A03	IV Year I Semester	19/12/2019	07/02/2020
BTech	A04	IV Year I Semester	19/12/2019	07/02/2020
BTech	A05	IV Year I Semester	19/12/2019	07/02/2020
BTech	A01	IV Year II Semester	27/09/2020	01/11/2020
BTech	A02	IV Year II Semester	20/09/2020	01/11/2020
BTech	A03	IV Year II Semester	27/09/2020	01/11/2020
BTech	A04	IV Year II Semester	27/09/2020	01/11/2020
BTech	A05	IV Year II Semester	20/09/2020	01/11/2020

[View File](#)

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

Kamala Institute of Technology Science is affiliated to JNTU Hyderabad and has adopted methods of assessing student academic performance on a continuous basis. The rules and regulations are followed in tune with the University norms for conducting Continuous Internal Evaluation transparently. For theory subjects: 25 marks are allotted for internal examinations and 75 marks for external examinations. The institute conducts midterm examinations in the pattern consisting of Objective Questions (10 Marks) with MCQ and fill in the blank and Descriptive Questions (10 Marks) are set by internal faculty members. Assignments are given to the students having a weightage of 5 marks. The internal marks are awarded by considering midterm and assignments marks. For practical's: Continuous evaluation is followed for 25 marks as internal marks and 75 marks for external examination. The internals are awarded for 15 marks on day to day evaluation and 10 marks for conducting Internal Lab examination. The university has adopted major reforms in evaluation by introducing CBCS from the academic year 2016-17. The major reforms in Continuous Internal Evaluation are implemented by Institution. Blooms Taxonomy is followed for setting internal question papers aligned to COs. Questions are uniformly distributed across the syllabi. Formation of COs for all theory and laboratories are mapped to the POs, PSOs. The attainment of COs is evaluated with Continuous Internal Evaluation and University Examinations. Keeping in view the COVID-19 situation few changes are been implemented by the university and the same are adopted and followed by the college. They are: All COVID-19 rules and regulations are followed like wearing of masks, maintaining physical distance and use of sanitizer frequently. Number of students writing the exam in an examination hall was reduced from 24 to 12. One invigilator is allotted for 12 students. The internal MID term examination is conducted online and there is no change in marks pattern (25M). Students are given an option to choose a center for writing examination by the university in view of COVID-19 which was not there

earlier. The external examination is conducted in offline mode. There is a change in question paper pattern, 5 questions should be answered out of 8 questions each question carries 15M (75M). The external examination time is reduced to 2 hours instead of 3 hours. The Student and College grievance cell was established at university end and an online option of uploading the grievance was enabled in the university exam branch software.

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

The institute is affiliated to Jawaharlal Nehru Technological University, Hyderabad. The university releases an academic calendar for two semesters separately, at the beginning of the academic year. This calendar clearly mentions the date of commencement of class work, first spell of instructions, first mid examination schedule, second spell of instructions, second mid examination schedule, schedule for preparation and practical examinations, schedule for end semester and supplementary examination. The institute strictly adheres to the academic calendar set by the affiliated university and also prepares an Institute Academic Calendar. In addition, every department of the institute prepares their academic calendar incorporating depart level activities in the Institute level calendar. Curricular and extra-curricular activity dates, exam schedules and other activity dates are displayed in the academic calendar. Parent teacher meeting date is also mentioned in the academic calendar. Faculty conducts theory and practical classes as per the time table in alignment with the academic calendar. Examinations both theory and practical are conducted strictly adhering to the academic calendar. The midterm examination marks are uploaded to the university portal according to the academic calendar framed by the university.

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)

<https://kitssingapuram.ac.in/new/poco.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
D33	Mtech	M Tech Advanced Manufacturing Systems	8	7	87.5
A05	BTech	B.Tech COMPUTER SCIENCE & ENGINEERING	111	81	72.97
A04	BTech	B.Tech ELECTRONICS & COMMUNICATION ENGINEERING	123	103	83.74
A03	BTech	B.Tech MECHANICAL ENGINEERING	107	77	71.96

A02	BTech	B.Tech ELECTRICAL & ELECTRONICS ENGINEERING	115	101	87.83
A01	BTech	B.Tech CIVIL ENGINEERING	64	53	82.81
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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)

<https://kitssingapuram.ac.in/new/sss.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
Any Other (Specify)	2	Indian Association of Physics Teachers (RC-22)	0.1	0.1
Any Other (Specify)	2	Indian Association of Physics Teachers (RC-22)	0.15	0.15
Any Other (Specify)	1	Indian Association of Physics Teachers (RC-22)	0.15	0.15
View File				

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
Intellectual Property Rights and protection	ECE	25/01/2020
Two Days National Workshop on Advances in Embedded Systems Design	ECE	18/10/2019
One Week Online Faculty Development Programme on "Machine Learning Algorithms, Applications Advantages".	CSE	25/05/2020
One Day Online Webinar on	ME	15/06/2020

Advances in Manufacturing Processes and Optimization Algorithms		
One Day Workshop on Inculcating Universal Human Values in Technical Education.	HS	23/08/2019
One-Day Workshop on Patents Patentability Assessments	CSE	24/09/2019
Recent Methodologies in Intellectual Property Rights	EEE	26/09/2019

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
	1000	

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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)
National	HS	3	4.33
National	EEE	4	6.3
National	CSE	8	0
International	HS	7	0.26
International	ECE	13	1.89
International	EEE	2	6.3
International	ME	4	8.08
International	CSE	4	0.5
View File			

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
HS	5
ECE	4
ME	8
CSE	1
EEE	5
CE	4
View File	

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
AN adaptive edge detecting method for satellite imagery based on canny edge algorithm	N.Sasikala	International journal of advanced engineering research and science	2020	0	Associate Professor, KITS(S)	Nil
Feature extraction of real time image using SIFT algorithm	N.Sasikala	European journal of electrical engineering and computer science	2020	0	Associate Professor, KITS(S)	Nil
3D hand gesture representation and recognition through deep joint distance measurements	N.Sasikala	International journal of advanced computer science and applications	2020	0	Associate Professor, KITS(S)	Nil
Optimized level set method for segmentation of SAR images using adaptive fuzzy-K-means	N.Lalitha	International Journal of Engineering and Advanced Technology	2020	0	Assistant Professor, KITS(S)	Nil

clustering						
Crop analysis using image processing	V.Srujana	International Journal of Engineering Technology and management science	2020	0	Assistant Professor, KITS(S)	Nil
Implementation of an algorithm used for error detection and correction by modular correcting codes	CH.Ramesh	The International journal of Analytical and Experimental Modal Analysis	2019	0	Assistant Professor, KITS(S)	Nil
A survey on Filtered Watermarking embedding and Extraction in bit planes	N. Sasikala	International Journal of Advanced Engineering Research and Science (IJAERS)	2019	0	Assistant Professor, KITS(S)	Nil
Design and Performance analysis of dual buck inverter with series connected diodes and single inductor	M.Raju	Alochana Chakra Journal (UGC-Care group 1 Journal) AC journal	2020	0	Assistant Professor, Department of EEE, KITS(S)	Nil
Effective Power quality improvement for grid connected solar system with UPQC	Ch.Bhaskar	Alochana Chakra Journal (UGC-Care group 1 Journal) AC journal	2020	0	Assistant Professor, Department of EEE, KITS(S)	Nil

Reactive power control technique for single phase PV inverters	T Ramakrishna	International Journal of Analytical and Experimental model analysis	2020	0	Assistant Professor, Department of EEE, KITS(S)	Nil
View File						

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
An automated methodology and system to manage the student related information efficiently	Mr.N.Raghu	Indian Patent Journal	2020	1	Nil	Assistant Professor, KITS(S)
An Automated Digital Internet of Things Based Insulin Injecting Pen with Dual Cartridge	Dr.K.Ravindra Babu	Indian Patent Journal	2020	4	Nil	Professor, Department of CSE, KITS(S)
Fault Diagnosis and Reliability Analysis of Load Transport Systems using Bayesian Belief Network Approach	Dr.M.V.Satish Kumar	Journal of Engineering Service (JES) (International Journal)	2020	4	Nil	Professor in Mechanical Engineering, KITS(s) Karimnagar, Telangana - India
Criticality analysis of dumper components in open	Dr.M.V.Satish Kumar	International Journal of Mechanical and Production	2020	4	Nil	Professor in Mechanical Engineering, KITS(s)

cast mining using FMECA		Engineering Research and Development (IJMPERD)				Karimnagar , Telangana - India
A survey on Filtered Watermarking embedding and Extraction in bit planes	N. Sasikala	International Journal of Advanced Engineering Research and Science (IJAERS)	2019	3	Nil	Associate Professor, KITS(S)
3D hand gesture representation and recognition through deep joint distance measurements	N.Sasikala	International journal of advanced computer science and applications	2020	3	Nil	Associate Professor, KITS(S)
Feature extraction of real time image using SIFT algorithm	N.Sasikala	European journal of electrical engineering and computer science	2020	3	Nil	Associate Professor, KITS(S)
AN adaptive edge detecting method for satellite imagery based on canny edge algorithm	N.Sasikala	International journal of advanced engineering research and science	2020	3	Nil	Associate Professor, KITS(S)
View File						

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	17	244	Nil	Nil
Presented papers	15	13	Nil	Nil
Resource persons	Nil	3	Nil	Nil
View File				

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
Dustbins preparation	NSS, KITS(S)	1	15
Awareness program on COVID-19	NSS, KITS(S)	7	50
National YOGA day celebrations in association with TELANGANA STATE BIODIVERSITY BOARD	NSS, KITS(S)	10	100
150th Birth Anniversary of Gandhiji	NSS, KITS(S)	10	120
Haritha Haram and Swachh bharath	NSS, KITS(S)	25	120
National Level NSS Special camp	CMRCET, Hyderabad	Nil	2
Blood Donation Camp on the occasion of NSS day in Collaboration MGM Blood bank	NSS, KITS(S)	20	200
National Unity Day Celebrations	NSS, KITS(S)	6	180
Selection Of N.S.S Volunteers	NSS, KITS(S)	6	350
Rally on the occasion of VOTERS DAY and taking an Oath	NSS, KITS(S)	6	100
View File			

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
Unnat Bharat Abhiyan	Recognized as participating institute by National Coordinating Institute	Mahatma Gandhi National Council of Rural Education	100
Student program for Innovation and Technology	Cash prize(5000/-)	SPRINT(SRiX)	6

World Environment Day Celebrations	Our student (Santosh Myakala) recognized as a campus ambassador	Ministry of Environment, Forest and Climate Change	1
View File			

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
NCC	NCC, KITS(S)	Haritha Haram and Swachh bharath	25	150
NCC	NCC, KITS(S)	Swachh bharath program	5	78
NCC	NCC, KITS(S)	Swatchtha hi seeva	5	90
NSS	NSS, KITS(S)	Awareness program on COVID-19	7	50
NCC	NCC, KITS(S)	web casting in municipal election	2	10
View File				

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
Workshop	Students	IETE	2
Workshop	Students	Trylogic soft solutions	3
Workshop	Students	Prolific systems PVT Ltd Hyderabad	2
View File			

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
Projects	Field Projects/Internships	NIVAHATA TECHNOLOGIES PVT LTD	01/06/2019	15/06/2019	52
Internship	Flutter named Helped Right Now	Swecha	15/06/2019	04/07/2019	1

Internship	Flutter named Get Your Guide	Swecha	15/06/2019	04/07/2019	1
Internship	Machine Learning named License Plate Recognition using openCV	Swecha	15/06/2019	04/07/2019	1
Internship	Machine Learning named Stock Price Prediction at swecha	Swecha	15/06/2019	04/07/2019	1
Internship	Machine Learning named Techno Sales Prediction at swecha	Swecha	15/06/2019	04/07/2019	1
Internship	Android	TRYLOGIC Soft Solutions (AP) Pvt. Ltd.	27/05/2019	10/06/2019	44
Internship	PHP	TRYLOGIC Soft Solutions (AP) Pvt. Ltd.	20/05/2019	03/06/2019	38
Internship	Python	TRYLOGIC Soft Solutions (AP) Pvt. Ltd.	22/05/2019	05/06/2019	27
Internship	Flutter named Online Exams At Swecha	Swecha	15/06/2019	04/07/2019	1

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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
Nivahatha Technologies	15/05/2019	Training program	60
Trylogic Soft Solutions	08/01/2019	Training program	85
Design Labs	09/01/2019	Training	50

VINCENSE Software Solutions Pvt Ltd/BN Infotech.,Hyderabad	02/01/2020	Placements	25
Design Labs, Hyderabad	09/01/2019	Guest Lecture	64
Design Labs, Hyderabad	09/01/2019	Guest Lecture	63
View File			

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
179	174.82

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Newly Added
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
View File	

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
LIBSYS	Fully	2.0	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	37294	8864467	414	203212	37708	9067679
Reference Books	8432	1999070	98	51940	8530	2051010
e-Books	6	238140	1	13570	7	251710
Journals	193	427030	62	148639	255	575669
e-	1043	1143275	172	126772	1215	1270047

Journals						
CD & Video	290	5800	45	900	335	6700
Library Automation	1	119600	Null	Null	1	119600
View File						

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 K Madhulatha	Engineering Mathematics	Youtube	20/04/2020
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	664	18	14	1	1	10	6	70	3
Added	50	0	2	3	0	2	2	0	1
Total	714	18	16	4	1	12	8	70	4

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

70 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
NPTEL	https://kitssingapuram.ac.in/new/viewppt.php

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
47	43.44	180.5	177.8

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)

Policies of Academic and Support Facilities: Utilization and Maintenance of Class Rooms: 1. Classrooms are allotted as per the student strength. 2. Every department is given the responsibility of the maintaining the department classrooms. 3. The head of the department informs the Registrar about

maintenance, requirement of repairs and cleanliness. Utilization and Maintenance Laboratories: 1. A timetable is prepared for conducting labs. 2. Standard operational procedures for handling various chemicals, equipment and instruments are strictly followed. 3. Stock registers are maintained and updated regularly. 4. Annual stock verification and inspection is mandatory at the end of the Academic Year. 5. Old and outdated equipment, chemicals and instruments are discarded by standard procedure. Utilization and Maintenance Computer Laboratory: 1. A timetable as suggested by the HOD is set for conducting computer labs. 2. The maintenance of computer laboratories is taken care by laboratory in charges and the system administrators, they take care of the repairs and maintenance of all computers. 3. Additional requirements, if needed are processed through Governing body as per the proposal raised by the Heads of the department concerned, during budget proposal. 4. All computer related software updates and hardware updates are maintained within the campus by the system admin. Utilization and Maintenance of sports complex: 1. During sports hour and after college hour, sports equipment is made available for students on request. 2. Quality of sports equipment is checked daily by the physical director and corrective measures actions are taken on damaged equipment with prior information to the principal. 3. Students are trained in sports activities inside the college campus through physical director. Utilization and Maintenance of Library: 1. Before the beginning of every semester, the HOD of each department sends the list of required textbooks and reference books to the librarian. 2. The librarian discusses the book requirements with the principal and purchase new books to the library. 3. The librarian sends the information about new books to the students via faculty. 4. Periodically, condition of all the library books is monitored and old books are maintained by binding the books if needed. 5. During annual stock verification, books are found missing because of students / faculty are identified. The cost of the book collected from them. Policy for Physical Infrastructure: 1. The institute prepares the routine and preventive maintenance schedule for all physical infrastructure and allocates duties to the staff for maintenance. 2. The maintenance schedule is executed with the support of both internal and external agencies. 3. The consolidated report of the yearly maintenance is recorded by the Project Engineer for future reference. Solar Captive power plant: All the solar panels are cleaned with water twice a week.

<https://kitssingapuram.ac.in/new/procedures.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	Fee concession	188	4126200
Financial Support from Other Sources			
a) National	Government scholarship, PMSSS	1007	43914500
b) International	Nil	Nil	Nil

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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

Softskill development	08/07/2019	173	Triumphant Training Solutions, Hyderabad
Softskill development	01/03/2020	175	Triumphant Training Solutions, Hyderabad
Remedial coaching	13/09/2019	747	KITS(S)
Language Lab	15/07/2019	816	KITS(S)
Yoga Meditation	05/08/2019	276	KITS(S)
Personal counselling and mentoring	15/07/2019	1890	KITS(S)
Bridge courses	22/01/2020	114	Guest Lecture on Data Virtualization, P.Kamakshi Prasad, Professor, CSE Dept, JNTUH
Bridge courses	06/09/2019	110	Guest Lecture on Networking in Unix, Dr.V.Shanker, Professor Head, CSE Dept, KITS(W)
Bridge courses	23/07/2019	65	Guest lecture on "Latest Trends in CAD/CAM software/Employability Opportunities"
Bridge courses	08/01/2020	74	Guest lecture on "Career opportunities in field of HVAC"
View File			

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	GATE classes	190	190	13	13
2019	Guest lectures	1890	1890	Nil	Nil
2019	Three Day Workshop on Object Oriented Analysis and Design	110	110	8	8

2019	Three Day Workshop on Object Oriented Programming Through C++	97	97	11	11
2019	Three Day Workshop on IoT using ARDUINO	103	103	Nil	Nil
2019	Five Day Workshop on Oracle Java Fundamentals	36	36	6	6
2019	Seminar on Number System	117	117	Nil	Nil
2019	Three Day Workshop on IoT using ThingSpeak	129	129	Nil	Nil
2019	Three Day Workshop on .Net Framework Technologies,	100	100	Nil	Nil
2019	One day Workshop on "AutoCAD"	45	45	Nil	Nil
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
Nil	Nil	Nil

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
11	372	161	42	323	94
View File					

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
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2019	1	B.Tech	CIVIL	NIT, SILCHAR	M.Tech Water Resources Engineering
2019	1	B.Tech	EEE	Koneru Laxmaiah Education Foundation	M.Tech in Power Systems
2019	1	B.Tech	ME	University College Of Engineering , OU(Autonom ous)	M.tech (Automation & Robotics)
2019	2	B.Tech	ME	Kamala Institute of Technology & Science	M.Tech AMS
2019	1	B.Tech	ME	SR Engineering College	M.Tech
2019	1	B.Tech	ME	UK	M.S
2019	1	B.Tech	ME	CITD (JNTUH)	M.Tech (Me chatronics)
2019	1	B.Tech	ME	Srinidhi Institute of Technology & Science , Hyderabad.	M.Tech (Me chatronics)
2019	1	B.Tech	ME	KITSW	M.Tech machine Designn
2019	1	B.Tech	ECE	KU college for Women for self finance , Warangal	MBA

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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
GATE	2
Any Other	8
GRE	3
Any Other	1
Any Other	18

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

Activity	Level	Number of Participants
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Online quiz on "INDUSTRIAL ROBOTICS"	National Level	1714
Online quiz on Digital Electronics	National Level	800
Online quiz on Microprocessors and Microcontrollers	National Level	2810
Online quiz on Fundamentals of signal processing	National Level	900
Online quiz on Basics of Analog and digital communications	National Level	850
Online quiz on Space Communication and Technology	National Level	3237
Online quiz on Electrical Engineering	National Level	1738
EAMCET Mock test	National Level	66
Enigma-20	National Level	438
Online quiz on Fundamentals of computer programming	National Level	5000
View File		

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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Winners(Volley Ball Boys)	National	1	Nil	16281A0209	G. Vishnu
2019	Winners(Volley Ball Boys)	National	1	Nil	18281A0267	P.Sumanth Varma
2019	Winners(Volley Ball Boys)	National	1	Nil	19281A0217	K.Pavan Kumar
2019	Winners(Volley Ball Boys)	National	1	Nil	16281A0490	N.Deelip Kumar Reddy
2019	Winners(Volley Ball Boys)	National	1	Nil	16281A0441	J. Tharun
2019	Runner- up Basket Ball(Girls)	National	1	Nil	16281A0474	K.Keerth ana

2019	Runner-up Basket Ball(Girls)	National	1	Nil	16281A0413	M.Navya
2019	Runner-up Basket Ball(Girls)	National	1	Nil	16281A0473	V.Sneha
2019	Runner-up Basket Ball(Girls)	National	1	Nil	18281A04A5	P.Nagamr utha
2019	Runner-up Basket Ball(Girls)	National	1	Nil	18281A04A8	Ch Srilaxmi
View File						

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

The institute has constituted various academic and administrative committees where the students play major role. Every alternate year, the institute celebrates a national level Technical, Sports and Cultural fest called KITSOZEN, a platform created for students to exhibit their talent in curricular, co-curricular and extra-curricular events. Two final year students from different branches of engineering are elected as coordinators of this program. Student committees are formed to organize the various events of the fest like Paper Presentations, Art Gallery, Singing competitions, Fashion show etc. Anti-Ragging committee: This committee creates awareness among the students about prevention and prohibition of ragging in the campus. Class review committee: For each class 4 students (2 boys and 2 girls) are nominated as Class Representatives (CRs) based on their merit. Twice in a semester, CRs meeting is conducted by the academic in-charge under the principal's supervision, to discuss the various issues related to academics and administration. Departmental Association: Each department is having a departmental association with 2nd, 3rd and final year students as members. These associations conduct various programs such as technical quiz, seminars, guest lectures which help the students to gain knowledge in their associated domains. National Service Scheme: NSS provides the students an opportunity to develop among themselves a sense of social and civic responsibility. Activities carried out by NSS committee are: Swacha Bharath, Haritha haram, Stage shows, Awareness rallies, Blood donation camps and participation in Unnath Bharath abhiyan scheme initiated by the govt. of India. Student Activity Center (SAC): Under the banner of SAC, students play an active role in celebrating state festivals (like Batukamma, Ganesh Chaturthi) in the premises of the institution. SAC organizes seminars / workshops for students to upgrade themselves towards the latest technology. Popular Science Club (PSC): All B.Tech first year students are members of this club. PSC organizes guest lectures, seminars, interaction with industry experts to understand the latest developments in their related domains. Alumni Committee: Alumni of the institution play an active role in programs like Department Association events, mentoring students for career guidance and entrepreneurship based on their rich experience in their areas of expertise for the benefit of the students. Our alumni are extending financial support for the development of the institution. Photography Club: The club aims to create the opportunities for every student to discover the artist within themselves. The main purpose of the club is to make students

fulfil their passion for photography and to empower them to become young short film makers. Professional Bodies: The institution has active student chapters affiliated to Institute of Engineers (IE), ISTE, CSI, SESI, SAE etc. The students are encouraged to take part in various events organized by these professional bodies. National Cadet Corps(NCC): The aim of NCC is to develop discipline, character, a spirit of adventure, selfless service and leadership qualities among the students. NCC cadets have taken active participation in the events like: Swachatha Hi Seva, Cycle rally organized by FCI , Swacha Bharath program and blood donation camp.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni association of KITS, singapuram is a registered society under government of Andhra Pradesh then on 5th February 2009 under Andhra Pradesh societies registration act 2001AD (act no 35 of 2001). It was named as KITS ALUMNI WELFARE ASSOCIATION. The alumni association of the institute and its members are in regular contact, to know the developments from both the sides. Any student, either UG or PG, who have completed their course are eligible to become a member of the association. A total of 916 alumni from all departments have registered with the association. It is a regular practice of the association to invite alumni to the institute/department and organize interaction sessions with the present students, to give them awareness about the latest trends in industry both core as well as software and suggest the present students how to become industry ready. Alumni are also invited for delivering guest lectures, to fill the curricular gaps based on their areas of expertise. Alumni who are working for core sectors also help the students in getting the permission for industry visit/ internships etc. alumni are also involved in guiding the students in choosing their final year projects and appropriate career paths. Alumni of the institute are also contributing by way of giving their valuable feedback in the formation/ modifications of the vision, mission of their parent department. Alumni representation is there in important and decision making committee of the institute, Internal Quality Assurance Cell(IQAC). Alumni are also contributing financially for the overall development of the institute. The association organizes an alumni meet at institute level bi-annually, in addition to the department level alumni meets. During the academic year 2019-20 the alumni have contributed a fund of Rs. 40000/- for further improvement of the infrastructural facilities in the institute. Alumni association is planning to further strengthen the network and contributions of the alumni for improving the institute in all the aspects.

5.4.2 – No. of enrolled Alumni:

916

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

40000

5.4.4 – Meetings/activities organized by Alumni Association :

21

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)

Kamala Institute of Technology and Science has a well defined organizational

structure which encourages decentralization. Structure is designed to nurture team spirit and foster leadership skills. The institution has got a decentralized and transparent mechanism in management, administration, financial and academic affairs. This mechanism delegates authority via scalar chain principle and provides operational autonomy to various functionaries to work towards decentralized governance system. The Governing Body is the highest decision-making body which formulates/ amends rules and regulations, delegate's powers and responsibilities to the various Committees, Principal, Head of the Departments (HoDs) and officer's in-charge of the Sections. The Institute celebrates a three-day National level Techno-Cultural Sports fest KITSOZEN biennially which provides a perfect platform to students and staff alike for self expression. KITSOZEN-19 was celebrated during 2019. This event attracts participation from all the top colleges across South India including NIT Warangal. This fest provides an excellent opportunity to the students to plan each activity meticulously network with peers from other institutions which gives them a fabulous experience. Every student participates in this fest with equal zest as the individual takeaways are many, apart from contributing to the institutional growth. This event promotes leadership skills among faculty too as they take part in organizing various competitions which forms the basis of training oneself for greater tasks in their future career. Participative management is implemented in the institute by way of involving all the stake holders for a win-win solution. The alumni fraternity growing from year to year actively participates in the development of KITS by interacting with the students. They regularly visit the campus and share their experiences and the current trends in the industry. Alumni share their success journey the emerging opportunities in different sectors, the expectations of the corporate world and preparedness required to grab them. Placement team works very closely with alumni to prepare students through interactions like mock interviews, mock GDs etc. These interactive sessions enhance placements success. Placement cell plans training classes by external trainers throughout the academic year without disturbing the university almanac. Mock interviews are conducted with in-house domain faculty and soft skills faculty to enhance their employability further. All these participative activities help students for their all round personality

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
Admission of Students	Admissions of UG and PG are strictly followed as per rules and regulations based on JNTUH and AICTE norms. Every year we get 1 to 2 Students from Jammu Kashmir under Prime Minister's Special Scholarship Scheme (PMSSS).
Industry Interaction / Collaboration	The Institute encourages interaction with industry to reinforce the students understanding of the concepts and their ability to apply them in real life. Industrial visits, workshops and Lectures by domain experts from industry are regularly conducted to give real time exposure. Students are encouraged to attend internships during

semester break period. All the students will undergo an industry oriented mini-project at the end of 3rd year B.Tech. Course. The institution has signed MoUs with reputed organizations like TCS, TCS Ion, Trylogic soft solutions, TASK, Design labs, E2E Prologics India Pvt. Limited and MR ENERGIES etc.

Human Resource Management

Human resources are given utmost importance by the management. Transparency is maintained in the recruitment procedures, service rules and promotion policies. Employees can avail CLs, ELs, HPCLs and MLs. Salaries are credited directly in their Bank Accounts. At the end of every academic year, Heads of various departments assess the requirement of teaching and non-teaching staff, keeping in view the curriculum requirements of upcoming academic year and also inter-branch service subjects, and send the same to principal. Institution encourages the employees for their career development in the form of higher education, research publications, permitting to attend FDPs/Conferences and workshops etc. Annual appraisal of the faculty is done by the respective Heads and is reviewed by the Principal and Secretary. Promotions and increments are decided by the Principal in consultation with the management and the same is submitted for the approval of BoG. High retention rate of the faculty itself is a proof of the pro-employee attitude of the management.

Library, ICT and Physical Infrastructure / Instrumentation

The Institute campus is provided with the necessary latest hardware and software infrastructure to cater to the computing needs of all the students. Central library of the institute uses library automation software LSEase (Rel.5.7.2) for organizing its books, inventory and purchase of new books. Departments are having ICT classrooms. To meet the requirements in COVID-19 pandemic situation infrastructure like graphic tablet and software's has been upgraded in all depts. Facilitating all the faculty members to take online classes regularly without any difficulty. The entire campus is Wi-Fi enabled. High speed internet connectivity is provided to all the students and faculty, which helps to familiarize with digital libraries,

NPTEL video lecture and registering for MOOCS (Massive Open Online Courses). The library is augmented with books, periodicals, journals and magazines. Students have access to the contemporary books and journals which supplement the prescribed text books and references books. The digital library has surplus collection of e-journals and e-books to cater to the needs of current generation of students who find e-learning as a convenient mode.

Research and Development

A Research and Development cell is constituted to motivate and create interest in research among faculty and students and to co-ordinate the research activities of the various departments in the institute. Research ambience is created by establishing state of art laboratories. Faculty is encouraged to publish their research papers in peer reviewed journals with high impact factor. Institute provides financial support for the faculty towards publication and presentation of research papers. Faculty are encouraged to attend Short Term Training Programmes, Workshops and conferences. In this academic year (2019-2020) four faculty obtained their doctorates and 35 faculty members are pursuing Ph.D. All the departments are organizing FDPs, Workshops to give awareness to the faculty and students about latest trends in research.

Examination and Evaluation

The Institute has adopted evaluation system based on university norms and pattern. For theory students, the institute conducts two mid (internal) examinations for 25 marks each, comprising of 10 marks for descriptive questions, 10 marks for objective type and 5 marks for assignment. The questions are mapped against the COs and also Blooms Taxonomy. The average of the both internals is considered as internal marks. End semester examination is conducted for 75 marks by the university. Thus, evaluation of students' performance is a continuous process and is based on their performance in assignment, mid examination and end semester examinations. After the completion of each internal exam, faculty evaluate and distribute the answer scripts to

the students, so that the students will realize their mistakes and can perform better in the end semester exams.

Teaching and Learning

Teaching-learning process is continuously improved by taking the feedback from the student collected every semester, and also from academic meetings held with class representatives. Faculty prepares lesson plans for their subjects and the same is shared with students. Apart from conventional mode of blackboard teaching, faculty makes use of ICT tools to enhance the learning experience. Remedial classes are conducted to for academic improvement of slow- learners. Students are encouraged to pursue live projects to enhance their learning by applying theoretical concepts to industry challenges. Industry visits and seminars are organized to make the learning more effective.

Curriculum Development

Institute strictly adheres to the curriculum prescribed by the affiliating University JNTUH, which is updated for every two years. Choice Based Credit Systems (CBCS) based regulations are under implementation. JNTUH is offering professional electives and open electives and also Value added courses like environment science, gender sensitization etc. Even though JNTUH covers the requirements of students, Department Academic Committees (DACs) will analyze the syllabus. Taking feedback from the stake holders to identify the curricular gaps and implement the actions like organizing workshops and guest lectures by experts from industry and academia, to fulfill the gap.

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

E-governance area	Details
<p>Planning and Development</p>	<ul style="list-style-type: none"> • Institute academic section has an attendance monitoring software KITS24by7 Tool. This software is used for sending messages to parents about the class wise attendance of their wards and the marks obtained in each and every subject of midterm examinations • Central library of the institute uses library automation software LSEase (Rel.5.7.2) for organizing its books, inventory, purchase of new books etc.

Administration	<ul style="list-style-type: none"> Academic monitoring is done through the intranet for enquiring syllabus completion, changes in time table and conducting online examinations etc. Institute academic section has an attendance monitoring software KITS24by7 Tool. This software is used for sending messages to parents about the class wise attendance of their wards and the marks obtained in each and every subject of midterm examinations.
Finance and Accounts	<ul style="list-style-type: none"> Finance and accounts section uses Tally Silver software for carrying out various accounting activities like a) cash book maintenance b) maintenance of ledger etc.
Student Admission and Support	<ul style="list-style-type: none"> Institute student admission section uses PHP software to maintain student admission data and generate bonafide and Transfer certificates to students. www.kits24by7.in portal is used to keep parents informed about student attendance and performance.
Examination	<ul style="list-style-type: none"> The End semester examination question papers are received electronically from the JNT University, Hyderabad. The University provided VPN Software is used for decrypt the question papers at examination branch of the institute. Self developed set of application programs in Microsoft Visual FoxPro for Examination branch, to view student's marks and prepare result analysis reports.

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	B.Arathi	National Conference on Futuristic Areas in Computer Engineering and Technology(FACE T-20)	NA	800
2019	J Pavan Kumar	National Conference on Futuristic Areas in	NA	800

		Computer Engineering and Technology(FACE T-20)		
2019	N Raghu	National Conference on Futuristic Areas in Computer Engineering and Technology(FACE T-20)	NA	800
2019	A Sanjeeva Raju	National Conference on Futuristic Areas in Computer Engineering and Technology(FACE T-20)	NA	800
2019	B Yakhoob	National Conference on Futuristic Areas in Computer Engineering and Technology(FACE T-20)	NA	800
2019	Dr.D.Sunitha	National Conference on Futuristic Areas in Computer Engineering and Technology(FACE T-20)	NA	800
2019	M Praneeth Kumar	National Conference on Futuristic Areas in Computer Engineering and Technology(FACE T-20)	NA	800
2019	B Satish	National Conference on Futuristic Areas in Computer Engineering and Technology(FACE T-20)	NA	800
2019	K. Praveen Kumar Rao	National Conference on Futuristic	NA	800

		Areas in Computer Engineering and Technology (FACE T-20)		
2019	Dr.K.Ravindra Babu	National Conference on Futuristic Areas in Computer Engineering and Technology (FACE T-20)	NA	800
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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 organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	One Week Online Faculty Development Programme on "Machine Learning Algorithms, Applications Advantages"	NA	25/05/2020	30/05/2020	1355	Nil
2020	NA	One Day Workshop on Hardware Networking for Technical Staff	10/02/2020	10/02/2020	Nil	20
2020	One Day Online Webinar on Advances in Manufacturing Processes and Optimization Algorithms	NA	15/06/2020	15/06/2020	650	Nil
2020	NA	Two day workshop on "Calibr	07/02/2020	08/02/2020	Nil	22

		ation of I nstruments				
2019	NA	One Day Workshop on Communi cation skills in work place for Non- Teachning Staff	19/07/2019	19/07/2019	Nil	15
2019	One Day Workshop on Inculca ting Universal HumanValue s in Technical Education.	NA	23/08/2019	23/08/2019	20	Nil
2019	Two Day National Workshop on Advances in Embedded Systems Design	NA	18/10/2019	19/10/2019	46	Nil
2019	One Day Workshop on Patents and Patent ability As sessments	NA	24/09/2019	24/09/2019	34	Nil
2019	Seminar on Intelle ctual Property Rights	NA	26/09/2019	26/09/2019	40	Nil
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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
One Week Faculty Development Programme on Emerging Trends and Challenges in Electrical	1	22/06/2020	27/06/2020	6

Engineering				
One Week online Faculty Development Programme on Research Challenges and Opportunities Post COVID-19 (RECOP 2020)	1	04/05/2020	09/05/2020	6
One Week Faculty Development Programme on Integration of Green Energy with Smart Power Systems	1	22/06/2020	27/06/2020	6
Three day online Faculty Development Programme on Real Time Hardware-in-the-Loop (HIL) Simulation for power electronics and power systems	1	27/05/2020	29/05/2020	3
Online faculty development programme on Artificial Intelligence and its Applications	1	25/05/2020	30/05/2020	6
One Week Faculty Development Programme on "Implementation and Simulation of Electrical Engineering Applications Using PLECS Tool"	1	25/05/2020	29/05/2020	5
Five Day online Faculty Development Programme on Explore Electrical Engineering in Industrial	1	15/06/2020	19/06/2020	5

Applications				
One Week National Level Faculty Development Programme and online Training on SCILAB An open source substitute for MATLAB	4	25/05/2020	30/05/2020	6
One Week Online AICTE MARGDARSHAN FDP on Art of Writing Papers and Research Methodologies.	2	07/05/2020	13/05/2020	6
4 Days Online Faculty Development Programme on Research Funding Projects IPR.	2	07/05/2020	10/05/2020	4
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
112	112	77	77

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Maternity leave • Group insurance • Fee concession for children of teaching staff. 	<ul style="list-style-type: none"> • Gratuity • Maternity leave • EPF • Group insurance • Uniforms • Fee concession for children of Non-teaching staff. 	<ul style="list-style-type: none"> • Group insurance • Tuition Fee concession the students of economically weak background from neighboring villages.

6.4 – Financial Management and Resource Mobilization

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

Head of every department, with the help of senior faculty prepares the annual budget for every financial year, which contains recurring and non-recurring expenditure requirements for the entire academic year. A detailed estimate of the requirement is submitted to the principal by all the heads of the departments and in-charges. Accounts officer prepares a detailed budget at the institute level. Institute level requirements are discussed in the heads meeting and the total recurring and non-recurring budget requirements are finalized. Then the comprehensive budget proposal is placed for the final approval of the Governing Body. The Governing Body of the institute consisting of university nominee, management representatives, industry and academic members discuss upcoming financial years recurring and non-recurring budget

details. The proposals are made on different heads such as laboratory equipment, library expenses, salary payments, building and infrastructure, sports facilities and other maintenance expenses. Institute internal auditor audits and verifies the accounts regularly. The institute has a chartered accountant from SCV Associates (Reg. No. 003666S) an external auditing agency. He audits the accounts every year and these financial documents are used for all statutory purposes

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
Head of every department, with the help of senior faculty prepares the annual budget for every financial year, which contains recurring and non-recurring expenditure requirements for the entire academic year. A detailed estimate of the requirem	53000	Software/Website developed as per the client requirements.
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6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

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	Yes	Academic audit committee with one external member.	Yes	Academic audit committee with two internal members.
Administrative	No	Null	Yes	Administrative audit committee with two internal members.

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

- Parent - Teacher meeting as per schedule by the affiliating university.
- Parent-Teacher interaction through SMS service (24by7) for giving information about daily attendance and midterm exam marks.
- Parents feedback on curriculum, infrastructure.
- Involvement in important committees like IQAC and also involvement in formation of Vision, Mission, and PEO's of the program.
- Addressing parents by principal, head of the departments and officer in-charges of various sections and giving awareness about the norms of the affiliating university and institute during orientation program and seeking their support

in implementing the same. • Mentoring the students and interacting with parents for their support in improving the regularity, performance of their ward. • Support for Internships, Placements and Industry visits.

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

• Conducted one day workshop on Hardware Networking for technical supporting staff. • Organized Training Program on Calibration of Instruments for technical supporting staff. • Conducted One day workshop on Communication skills in work place for Non- Teaching staff.

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

• Obtained ISO 9001: 2015 certification. • Faculty members are encouraged to register for Ph. D and few of the faculty got doctoral degree. • Alumni association is strengthened, alumni have contributed for the development of institution. • ICT facilities in few more class rooms are strengthened. • Institute got recognized and got funding under central government scheme Unnat Bharath Abhiyaan for extending the activities of NSS wing of the institution. • Creating awareness to faculty about Intellectual property rights. • Faculty and students are encouraged to register for MOOCS(Massive Open Online Courses)

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	No

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
2019	A motivational lecture on "Quality metrics for outcome based education - Institutional Approach"	14/08/2019	15/07/2019	15/07/2019	69
2019	Student Orientation Program- Quality Technical Education- Role of Students and Parents	14/08/2019	05/08/2019	05/08/2019	750
2019	One day workshop on patents and patentability assessment.	14/08/2019	24/09/2019	24/09/2019	38

2019	Recent Methodologies in Intellectual Property Rights	14/08/2019	26/09/2019	26/09/2019	40
2020	An expert lecture on "Methods and Techniques for quality learning in Engineering Education"	17/01/2020	25/01/2020	25/01/2020	270
2020	Intellectual Property Rights and protection	17/01/2020	25/01/2020	25/01/2020	28
2020	A webinar on Advances in Manufacturing process Optimization Algorithms	17/01/2020	15/06/2020	15/06/2020	326
2020	One Week Online Faculty Development Programme on "Machine Learning Algorithms, Applications Advantages".	17/01/2020	25/05/2020	30/05/2020	1355
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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
Screening of Short Films to create awareness about Gender Equity- An Interactive session and Group Discussions were conducted	09/07/2019	09/07/2019	63	45

Awareness of Gender Equity	16/11/2019	16/11/2019	54	32
Debate on "Why Gender Equity ? "	21/02/2020	21/02/2020	59	39

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
In the year 2019-20 the power saving through alternative energy source (Solar) as being enhanced by 60.24. More details click http://bit/ly/2WYFJ5g

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	1

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
2019	Nil	1	18/12/2019	1	Carrier opportunity for Diploma holder in collaboration with SEIT	Service to local people regarding employment	203
2019	Nil	1	01/07/2019	365	Community Hall	Institute outstretched access for Local people	330
2019	Nil	1	03/07/2019	1	Awareness Program in Nearby villages	Social Awareness among women was addressed	60
2020	Nil	1	12/03/2020	1	Awareness Program	Social Awareness among	60

					in Nearby villages	women was addressed	
2019	Nil	1	21/09/2019	212	Mandatory Service activity	32 hours of Mandatory Social Service as stated by Affiliating University	215
2019	Nil	1	11/09/2019	1	Volunteering activities	Service offered by NSS and NCC during festivals like Vinayaka Nimarjana m,	20
2020	Nil	1	07/01/2020	2	Volunteering activities	Service offered by NSS and NCC to control traffic in Sannaka Sarakka Jathara	33
2019	Nil	1	01/01/2019	365	Temple	Spiritual Solace to the residents	200
2020	Nil	1	01/03/2020	90	Water facility	Supply of water in times of scarcity	54
2019	Nil	1	01/07/2019	365	Medical Services	Ambulance service is provided to locals who are in need	45

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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)
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Kamala Institute of Technology and Science is successful in transforming into an institution filled with values and ethics. All the academic and administrative processes have evolved to reflect human values and ethical practices. The present environment is one that fulfills the achievement of these ideals through

- A) Learning processes helpful in holistic development
- B) Flawless governance
- C) Effective institutional management
- D) Fostering an institutional climate where wrong actions are strictly discouraged and right ones are encouraged
- E) Streamlined systems that approve positive work culture and disapprove negative work culture.

Some of the processes through which they have been achieved are:

- Teaching human values and professional ethics as part of curriculum.
- Students and parents are given awareness on code of conduct of the institution during induction programme.
- Encouraging faculty to attend workshops and training programmes on human values and professional ethics for teaching fraternity.
- Putting inputs of human values and professional ethics in induction, orientation program
- Encouraging faculty for rendering their services as a mentor for inculcating ethical and human value among their students.
- Implementing the audit course on Human Values and Ethics in the

regular time table of students • Participation in national schemes and programs such as International Yoga Day, Swachh Bharat Abhiyan, Haritha Haaram, Road Safety Day, Surgical Strike day and all national festivals etc • Felicitating teachers (Guru Poojothsyavam) on Teachers' Day • Serving the needy through charity activities • Equipping the library with books that promote human values and ethics • Encouraging wall painting on ethical issues like gender equality, environmental sustainability, Sarva Shikshya Abhiyan, educate the girl child etc • Interacting with the parents for suggestions on sustaining harmony on campus. • Encouraging students to participate in essay writing competitions within and without the institute on occasions like Youth Day, commemorating the birthday of Swami Vivekananda. • Encouraging spread of values through display of posters.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga day	21/06/2019	21/06/2019	110
Kargil Diwas	26/07/2019	26/07/2019	32
Traditional day	09/08/2019	09/08/2019	171
Workshop on Universal Human Values	23/08/2019	23/08/2019	20
150th Birth Anniversary of Gandhiji	08/09/2019	08/09/2019	130
NSS:Special Camp	22/09/2019	24/09/2019	2
Blood donation	24/09/2019	24/09/2019	220

Surgical Strike day	29/09/2019	29/09/2019	96
National Unity Day Celebrations	31/10/2019	31/10/2019	186
National Integration day	19/11/2019	19/11/2019	425

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

It is a regular practice and policy of the institution to encourage the students to put efforts towards eco friendly environment. The institute motivated the students to form different student clubs in this direction. As a result, a team came up with an idea of Carbon Conscious Environmental Club (CCEC) with the following objectives:

- To raise awareness regarding the climate change caused by anthropogenic activities
- To organize campaigns to foster an eco-friendly lifestyle. Under the banner of this club, students actively participated in the following events.
- Environmental Awareness campaign was organized to raise awareness regarding the climate change caused by anthropogenic activities. The campaign aimed to impart about the threats of current anthropogenic lifestyle its activities causing huge carbon footprint.
- Plant donation camp was organized in the institute and brought an awareness about plant ecology among the students and staff.
- CCEC has also organized an Essay writing competition on the theme 'Anthropogenic activities their effects on Environment'. The participants were granted merit certificates on accord of giving valuable insights.
- Guest Lecture was organized on the theme 'Sustainability through Engineering' with two International level scientists.
- Organized an Elocution event imparting the communication skills among student community and also equally imparting the knowledge of Sustainable engineering.

Few of the activities organized by the institute are listed below:

- The Vehicles were restricted into the campus to make it pedestrian friendly and pollution free.
- An initiative was taken by the institution to clean the campus at regular intervals by motivating staff and students under Swatch Bharath program
- The institute conducts Green auditing.
- All the organic waste in campus from the canteen, boys' and girls' mess, the garden waste and waste from the dairy is dumped into compost pits to generate organic compost used for the rich growth of plantation on campus
- Institution recommends the students and staff to feel responsible on prevention and monitoring of usage of plastic in and outside the campus.
- Saplings were planted in the campus by NSS under Haritha Haram.
- Green initiative was taken by the institute to maintain the garden, lawns and trees.
- Making of Clay Ganesh (Eco friendly Ganesh) is a regular practice of the institution
- The institute practices to save energy by using LED bulbs, switching off the electrical devices energy audit is conducted on a regular basis.
- Two rooftop solar power generation plants of 100KW capacity each have been set up in order to reduce the use of conventional electricity.
- Harvesting pits are constructed at major points across the campus to collect rain water.
- Faculty are using car pooling and students are advised to avail RTC/college bus to reduce traffic and pollution.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

I: Social Responsibility and Extension Activities: Institute is always in forefront in taking social responsibility and conducting extension activities throughout the year which is also incorporated in the mission statements of the institute. Students are nurtured to feel responsible to the society by of activities and also through the final year projects. Best practices have been institutionalized and internalized which is mirrored in the institute's

academic, administrative and budgeting processes and can be illustrated by the following activities. • National Service Scheme (NSS) wing of the institute has organized programmes on Social Awareness among women in neighboring villages during 3/7/2019 and 12/03/2020 • Community hall outstretches access for local people throughout the year for various activities. • The institute celebrated National Unity Day and 180 Students along with 6 faculty actively took part. • 20 Cadets supported Police Department at Huzurabad, Karimnagar Dist. in controlling crowd on "Ganesh Nimarjan" on 11th September 2019 as per the request received from the Inspector of Police Huzurabad. • Blood donation camp was organized in college premises on 24th September 2019 where 85 NCC cadets and other students participated 120 units were collected by MGM hospital, Warangal. • 33 cadets partook in "Sammakha Sarakha Jathara" at Huzurabad on 7th and 8th January 2020 to control the traffic. • 10 cadets participated in web casting in Municipal Elections organised at Jammikunta, Municipality on 22.01.2020. • International Yoga Day was organized in KITS Indore stadium. Around 180 cadets and locals from Huzurabad and Singapur village participated in the event. • Workshop on Career opportunities for Diploma holders was conducted on 18/12/2019 in collaboration with SEIT Karimnagar, for students from neighboring villages. • 100 students and 6 faculty took part in rally on the occasion of VOTERS DAY. • The Institution provides Ambulance Services to the locals who are in need. • Institution rendered its services by supplying water in times of scarcity to locals. (01/03/2020 to 30/06/2020) • 50 students lent a helping hand along with 7 faculty created and shared a video about Awareness of COVID-19. II. Environmental Sustainability • To make students participate in activities that helps to sustain and understand. The harmonious co-existence between people and nature is needed for the benefit of humanity and how crucial is the role of institute in spreading the message of sustainable development and become model sites of sustainability for others to emulate. • With two main objectives namely raising awareness regarding the climate change caused by anthropogenic activities and organizing campaigns to foster an eco-friendly lifestyle a Carbon conscious environmental club was formed in the institute. • Emphasized on alternative transport system by the faculty and students to reduce vehicular emissions and fuel consumption. • Institute made arrangements to convert the organic and plant waste through compost pits and is used to nurture the campus gardens, which has a large variety of ornamental plants. • The displays across the campus like 'say no to plastic' 'reduce, recycle, reuse' and 'green earth- clean earth, communicate sustainability values among the students, faculty and visitors. • Institute extends its services by harvesting rain water through recharge pits. • Students and employees are regularly counseled on water and power conservation. • Voluntary services are extended by our students on extensive cleaning, health and hygiene awareness activities in Swachh Pakhwada. • During the year 2019-20, the institute has continued to implement an audit course on environmental science along with the regular curriculum • Institution supplements its power supply through two roof top solar power generation units of 100KW each. • Faculty encourage the students to carry out Solar based projects. • Maintaining and safeguarding of the sapling across the campus by the staff and students. • 14. Sprinklers are used to save water to wet the institute lawns. • 15. LED bulbs are being used across the campus for lighting. • "Saving Electricity is Producing Electricity" so, the power is conserved by switching off fans and lights when not in use. • An amount of Rs 4, 38,209(Four Lakhs Thirty Eight Thousands Two Hundred and Nine Rupees) was spent on green initiatives for the year 2019-20. • Of the institute's power requirement of 4,75,381KWh around 2,86,374KWh (Approximately 60.5) has been met by two roof top solar generation units of 100 kW each for the year 2019-20. • Tree Plantation program is organized on 4th and 13th Aug 2019, around 123 saplings were planted by NCC cadets in the campus. • Swachh Bharath program was organized on 27th September 2019, around 78 cadets participated and cleaned the campus. • 90 cadets

participated in Swatchtha Hi Seeva, organized on 15th December 2019, and cleaned college premises. • NSS organized Haritha Haram and Swach Bharath in the institution in which both the students and faculty actively participated, on 16/07/2020 (50 faculty) and on 13/08/2020 (150 students and 25 faculty) • An awareness program to students was conducted regarding preparation and usage of dustbins to make the campus litter free.

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

<https://kitssingapuram.ac.in/new/bestpractices.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

Making technical education accessible to the rural community is the distinctive vision of the institute with priority to make the rural youth technically competitive, ethically strong and globally employable. The institute is located at singapuram village which is on the highway, exactly mid way between two district headquarters of the state. The campus is 27 acres with lush greenery and eco friendly which emphasizes on sustainability (solar energy). Institute implements the innovative practices to bring out full-fledged technical graduates, so that they can survive in the competitive world after the course. With the well developed infrastructure and peaceful environment, the institute has emerged as a better choice for aspiring minds. IQAC monitors and ensures quality in academic and administrative aspects of the institute. As a result of institutionalizing and internalizing the best practices in all the academic, administrative and budgetary aspects, the institute attained NAAC Accreditation with B grade. Further, the institute has also certified with ISO 9001:2015 quality standards. Institute always tries to be distinctive by adopting and implementing various practices like • Honoring faculty who excelled and rendered services for long tenure. • Encouraging and motivating the students towards innovative societal based projects. • Encouraging the staff to pursue higher studies • Encouraging enthusiastic students through Entrepreneurship Development Cell. • Transformation of the institute website as a most accessible information resource • Enhanced facilities in the library by digitalizing • Use of Video Lectures of NPTEL and power point presentations developed by faculty • Greater value addition by motivating the faculty to organize and attend FDPs, pursue higher education, publications etc. • Training the students to improve their abilities needed for recruitment • Mentoring the students to grow academically and ethically. • Promoting gender equity and making the campus harmonious through women protection and grievance cells. • Use of student developed software for automating attendance and marks management. • Feedback from stakeholders as a valuable resource for improvement in various aspects. • Enhanced number of MOUs for providing industrial exposure to the students by way of internships and visits • Increased number of memberships in professional bodies for external linkage. • Quality improvement by considering parent feedback through Parent-Teacher meetings • Updating the laboratories at regular intervals. • Effective implementation of the AICTE prescribed Induction Program for two weeks covering all the required activities.

Provide the weblink of the institution

<https://kitssingapuram.ac.in/new/distinctiveness.php>

8.Future Plans of Actions for Next Academic Year

1. To get NBA accreditation for at least 3 departments 2. To increase the number of faculty with Ph.Ds. 3. To increase the number of seminar halls 4. Encouraging

staff and students to register for MOOCS 5. Beautification and landscaping of the campus 6. Organizing FDPs in collaboration with renewed institutes/organizations. 7. Introduction of new course at B.Tech level. 8. Motivating staff to attend programs on Universal Human Values.