Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**KAMALA INSTITUTE OF TECHNOLOGY & SCIENCE**
Name of the head of the Institution	**Dr. K. SHANKER**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**+919177670003**
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/naac.php

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/ac.php

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 sensors, actuators and	**28-Sep-2018** **2**	**78**

controls		
One day workshop on IPR	23-Oct-2018 1	41
A Five Day Faculty Development Program on Palo Alto Firewall Installation, Configuration and Management	02-Jul-2018 5	49
An Expert Lecture on UGC-NAAC Accreditation process	07-Jul-2018 1	92
Student Orientation Program- Quality Technical Education- Role of Students and Parents	19-Jul-2018 1	750
A Five Day Faculty Development Program on Fundamentals of Python Programming	03-Dec-2018 5	20
Role of Teachers in improving the Quality of Technical Education	22-Dec-2018 1	93
Three day Faculty Development Program on Scope, Challenges & Opportunities for Research in Emerging areas of Mechanical Engineering(SCORE'ME-2019)	23-Jan-2019 3	81
One day workshop on Universal Human Values	16-Nov-2018 1	30
One day workshop on Challenges and Prospects in Entrepreneurship	18-Jan-2019 1	191
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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)

1. A committee was constituted to take up the NAAC work of the institution. The committee has successfully prepared IIQA and SSR. 2. IQAC has arranged guest lecturers / workshops on role of teachers in improving quality of technical education and to create awareness to staff members about NAAC accreditation process. 3. As part of implementing Outcome Based Education all the departments have identified gaps in the affiliating university curriculum and filled the gap by various means. The institute has implemented CO based question paper in internal evaluation. 4. The staff members are encouraged to do the research and to enroll for their Ph.D, as a result of which many faculty members have registered for their research work. 5. IQAC has conducted mock verification of NAAC files by inviting an external expert. 6. IQAC has conducted Academic Administrative Audit (AAA) for the academic year 201819

[View File](#)

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 give awareness to staff members on Intellectual Property Rights	**A one day workshop conducted on Intellectual Property Rights**
To encourage departments to organize guest lectures by eminent people	**Departments have organized guest lectures by inviting eminent people from industry as well as from academia. Students got exposure about latest technologies and their applications in industry.**
To organize programs for the benefit of rural youth and to educate them about self employment opportunities.	**Entrepreneurship Development Cell (EDC) has organized a one day workshop on self employment opportunities for rural youth in association with Rural Self Employment Training Institute (RSETI), Karimnagar. Rural youth from**

	neighboring villages got benefited by this program.
To educate students from diploma/ITI background regarding their career guidance	A program on career opportunities for diploma holders was organized by mechanical engineering department for the benefit of diploma students regarding their career guidance.
To encourage students to start clubs like environmental club, health and safety club	A carbon conscious environmental club was formed in the institute
To give awareness to staff members about NAAC accreditation process.	Prof. P. Ramaiah, former registrar Dr. B.R.Ambedkar Open University has delivered an expert lecture on UGCNAAC accreditation process on 7th July 2018. As a result staff members of the institute got an insight about the NAAC process
To organize expert lectures on quality themes	Prof. Ch. Venkatesh, Dean-Academic Affairs, KITS Warangal delivered a lecture on role of teachers in improving quality of technical education.
To encourage staff and students to register at least one relevant MOOC's course	Few of the faculty members have registered for the MOOC's courses.
Soft skill program to enhance placements	Training and placement division, Career guidance cell and various departments of the institute have conducted soft skills programs. Many of the students got benefited by attending these programmes from placement point of view.
[View File](#)	

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

Name of Statutory Body	Meeting Date
IQAC	**17-Jan-2020**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**02-Aug-2019**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**

Date of Submission	21-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton 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 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

Kamala Institute of Technology and Science (KITS), Singapur was established in 1997, approved by AICTE and affiliated to Jawaharlal Nehru Technological

University Hyderabad (JNTUH). The institution ensures effective curriculum delivery through a blend of time-tested and novel methods. The institute offers five undergraduate engineering programmes in Civil, Electrical and Electronics, Mechanical, Electronics and Communications and Computer Science with an enrolment of 540 and a PG programme on Advanced Manufacturing Systems in Mechanical Engineering with an enrolment of 18. The institute facilitates curriculum implementation as per the affiliating university, JNTUH. Workload is allocated to teachers based on their specialization and experience. They prepare teaching schedules, course and subject files and seek the approval of the Head of the Department before implementation. Apart from board and chalk, the teachers are encouraged to use innovative methods like ICT tools for effective content delivery. Bridge courses are conducted for diploma students to help them catch up with the mainstream batches. 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 and class coordinators meets periodically with the student representatives to solve the issues related to academics etc. 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%). 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, think-pair-share method & 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. Opportunities for gaining real-world life experiences are facilitated through Career Awareness Programs, Internships, Mini and Major Projects in industries, Training Partnerships etc so that students leverage these experiences into real-world.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Soft Skills and Aptitude, Triumphant Training Solutions, Hyderabad	Nil	23/07/2018	9	Employabilty	Employabilty
Salesforce	Nil	02/01/2019	5		

Essentials for Business Specialists by TASK				Employabilty	Employabilty
Soft Skills and Resume Preparation, Interviews, Group Discussions by TASK	Nil	04/10/2018	2	Employabilty	Employabilty
Technical Training for TCS	Nil	12/09/2018	3	Skill Development	Skill Development
Soft Skills and Resume Preparation, Interviews, Group Discussions by TASK	Nil	07/10/2018	2	Employabilty and Entrepre neurship	Employabilty and Entrepre neurship
Career Guidance Session	Nil	29/07/2018	1	Employabilty	Employabilty
Recent Developments in Testing and Maintanance	Nil	11/10/2018	2	Skill Development	Skill Development
Cyber Security Essentials	Nil	23/07/2018	1	Skill Development	Skill Development
8051 Micro controller Programming and Applications	Nil	02/07/2018	5	Skill Development	Skill Development
PIC Microc ontroller Programming and Applications	Nil	09/07/2018	5	Skill Development	Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	CIV, EEE, ME, ECE, CSE-ME104ES-Engineering Graphics	09/07/2018
BTech	CIV, EEE, ME, ECE, CSE-MA201BS-Mathematics - II	09/07/2018

BTech	CIV, EEE, ME, ECE, CSE-MA101BS-Mathematics - I	09/07/2018
BTech	CIV, EEE, ME, ECE, CSE-EN205HS-English	09/07/2018
BTech	CIV, EEE, ME, ECE, CSE-EE203ES-Basic Electrical Engineering	09/07/2018
BTech	CIV, EEE, ME, ECE, CSE-CH202BS-Chemistry	09/07/2018
BTech	CIV, EEE, ME, ECE, CSE-AP102BS-Applied Physics	09/07/2018
BTech	CIV, EEE, ME, ECE, CSE-CS203ES-Programming for Problem Solving	09/07/2018
BTech	CIV, EEE, ME, ECE, CSE-*MC109ES-Environmental Science	09/07/2018
[View File](#)		

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	09/07/2018
BTech	Electrical and Electronics Engineering	09/07/2018
BTech	Mechanical Engineering	09/07/2018
BTech	Electronics and Communication Engineering	09/07/2018
BTech	Computer Science and Engineering	09/07/2018
Mtech	Advanced Manufacturing Systems	09/07/2018

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

	Certificate	Diploma Course
Number of Students	1353	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
Environmental Science and Technology MC300ES EEE, ECE, CSE,	09/07/2018	369
Environmental Science MC109ES CIV, EEE, ME, ECE, CSE	09/07/2018	430
Gender Sensitization Lab MC300HS CIV, EEE, ME,	09/07/2018	519

ECE, CSE		
Environmental Science and Technology MC400ES CIV, ME	09/07/2018	156
Professional Ethics MC500HS CIV, EEE, ME, ECE, CSE	09/07/2018	532
	View File	

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	225
BTech	Electronics and Communication Engineering	143
BTech	Computer Science and Engineering	162
	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, feedback from various stakeholders on curriculum, infrastructure facilities etc are collected. 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 knowledge. Also, such teachers are also attached to a senior teacher for guidance. The Class Representives (CR's) meeting is conducted by the HOD as well as the Principal and the inputs 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. All the various feedback collected and the analysis of feedback helps the institute in reframing the teaching methodologies, plan various training programmes, enhance the overall employability of our students, create good ambience and a trust among the various stake holders for the betterment of the students as well as the growth of 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	Civil Engineering	74	74	74
BTech	Electrical and Electronics Engineering	144	130	130
BTech	Mechanical Engineering	144	88	88
BTech	Electronics and Communications Engineering	144	135	135
BTech	Computer Science and Engineering	144	127	127
Mtech	Advanced Manufacturing Systems	18	8	8
View File				

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled	Number of students enrolled	Number of fulltime teachers	Number of fulltime teachers	Number of teachers

	in the institution (UG)	in the institution (PG)	available in the institution teaching only UG courses	available in the institution teaching only PG courses	teaching both UG and PG courses
2018	2011	17	114	Nill	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	Numberof smart classrooms	E-resources and techniques used
117	117	22	18	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, the mentoring system is implemented in the Institute. Every faculty member is assigned with 20 students who mentor them for the entire program duration. • The mentors allocated to the students will counsel the same group of students till they have graduated from the course. • Mentors regularly interact with their students and monitor their academic performance and attendance. • Students are counseled by the mentors, class advisors, subject faculties and HOD for improving their academic performance and attendance. • Mentors and class advisors counsel the students regarding their performance and schedule additional lectures/practical's. • At first year level, students academic and personal issues of concern are well looked after by the class advisor/mentors. The critical cases are handled by first year in-charges. This way the students realize their responsibilities at the early stage itself. • Mentoring system is followed by all departments from the first year on-wards. The students are given guidance on career, personal, besides academic issues. • Special care is taken by the mentor for those students to deal with psychosocial issues arising in cases like single parenting, bread earner in the family etc. • The mentor conducts meetings every fortnight, in which students meet their mentors for discussing their academic and personal issues. • The students who have less attendance and who have missed their midterm exams are paid special attention from the mentors side. The students with many issues are asked to call parents for parent's interactions. • The mentor keeps track of their improvements and counsels them accordingly. • The role of the mentor is to nurture the students and guide them for any issues they are coming across. Students with personal/family problems if any are given counseling and supported by the counselor. A large number of students who perceive the professional course are quite focused still they may fall short of score to be promoted to above sections. Such students are given counselling 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 mentor of the class discusses with each and every student individually and supports them in all the possible ways to enrich their academic performance. • The mentors contact the parents and educate them, if required about their wards performance, and the academic programs of the college as well as the support system and the monitor system the student and parents. • The mentors always keeps a check on the attendance of the student, the marks/grades obtained in the internals externals examinations, and regarding his/her candidature in the campus placement and provides remedial coaching.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2028	117	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
117	117	Nill	Nill	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	Dr Yogesh Y Pundlik	Professor	Best Paper
2018	Dr., Lt K Ravindra Babu	Professor	Appreciation from NCC
2018	Mr S.Rajendra Prasad	Associate 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-end examination	Date of declaration of results of semester-end/ year- end examination
Mtech	D33	I M.Tech. II Semester	08/07/2019	05/09/2019
BTech	A05	IV B.Tech. II Semester	17/05/2019	20/06/2019
BTech	A04	IV B.Tech. II Semester	15/05/2019	20/06/2019
BTech	A03	IV B.Tech. II Semester	17/05/2019	20/06/2019
BTech	A02	IV B.Tech. II Semester	17/05/2019	20/06/2019
BTech	A01	IV B.Tech. II Semester	15/05/2019	20/06/2019
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 continuous basis. 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) is set by internal faculty members. Assignments are given to the students having weightage of 5 marks. The internal marks are awarded by considering midterm and assignments marks. For practicals: 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.

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 mentioning department level events, programs by incorporating the JNTU academic calendar in it. • Curricular and extra-curricular activity dates, exam schedules and other activity dates are displayed in the academic calendar. • Teachers are supposed to maintain course files of their subjects. Assignments are given after completion of each unit, so that students can plan and complete the assignments in time. • Parent teacher meeting date is also mentioned in the academic calendar. • Faculty conducts lectures and practical's as per the time table in alignment with the academic calendar. • Examinations both theory and practical's are conducted strictly adhering to the academic calendar. • Exams and result declaration are strictly followed on the dates mentioned in the academic calendar.

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	Advanced Manufacturing Systems	9	7	77.78
A05	BTech	COMPUTER SCIENCE & ENGINEERING	116	100	86.21
A04	BTech	ELECTRONICS & COMMUNICATION ENGINEERING	132	108	81.82
A03	BTech	MECHANICAL ENGINEERING	111	88	79.28
A02	BTech	ELECTRICAL & ELECTRONICS ENGINEERING	125	101	80.80

A01	BTech	CIVIL ENGINEERING	62	47	75.81

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

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
A Five Day Faculty Development Program on Palo Alto Firewall Installation,Configuration and Management	CSE	02/07/2018
A Five Day Faculty Development Program on Fundamentals of Python Programming	CSE	03/12/2018
Three day Faculty Development Program on Scope,Challenges Opportunities for Research in Emerging areas of Mechanical Engineering(SCOREME-2019)	ME	23/01/2019
One-Day Workshop on Intellectual Property Rights	CSE	23/10/2018
Patents Filing and its uses to reserch Scholars	ECE	16/02/2019
Two day work shop on sensors,actuators and controls	ECE	28/09/2018

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
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded
Humanities Sciences	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	EEE	2	5.8
International	HS	2	0.75
International	ECE	9	3.79
International	EEE	2	2.77
International	ME	7	4.38
International	CSE	9	5.62
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
CE	1
ME	11
CSE	1
EEE	1
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
TREND ANALYSIS-A TOOL TO IDENTIFY THE FAILURE RUN MODE	M.Pradeep Kumar	International Journal of Creative Research Thoughts (IJCRT)	2018	0	Assistant Prof.KITS(S)	1

IN PUBLIC TRANSPORT BUSES						
Handling of Apples during sorting-grading operation and measuring the mechanical properties firmness after controlled atmosphere storage	Dr.M.V.Satish Kumar	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2018	0	Professor, KITS(S)	10
Design and Development of Toroidal Continuously Variable Transmission Drive for Machine Tool Applications	Dr.M.V.Satish Kumar	International Journal of Current Engineering and Scientific Research (IJCESR)	2018	0	Professor, KITS(S)	1
Solution for packet reordering in manets using cross layer based routing protocol	K.Praveen Kumar Rao	International Journal of Engineering Technology	2018	0	Vel Tech Rangarajan Dr. Sagunthala RD Institute of Science and Technology, Avadi, Chennai	Nill
A Framework for the Network Serving by Utilizing email tunnels	Dr.K.Ravindra Babu	International Journal of Management ,Technology and Engineering	2019	0	Professsor and Head KITS,Huzurabad	Nill
Evaluating Sentiments in One Go: A Administered Joint	B.Yakhoob	International Journal of Management ,Technology and Engi	2019	0	Assistant Professor in Department of	Nill

Topic Model Accession		neering			CSE,KITS	
A Insubstantial Secure Information Sharing Scheme for Mobile cloud	B.SATISH	International Journal of Management ,Technology and Engineering	2019	0	Associate Professor, Dept of CSE, KITSS	Nill
Decisive Keyword- aware Illustrative Travel Itinerary Endorsement	D.Prashanth Kuma	International Journal of Management ,Technology and Engineering	2019	0	Assistant Professor, Dept of CSE, KITSS	Nill
Unifying boundary, region, into level sets for touching objects segmentation in train rolling stock examination	N. Sasikala	IEEE access	2018	0	Associate Professor, KITS(S)	1
Flower image segmentation using watershed and marker controlled watershed transform domain algorithm	N. Sasikala	ARPN Journal of Engineering and Applications	2018	0	Associate Professor, KITS(S)	1
[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
Design and Development of Toroidal Continuously Variable Transmissi	Dr.M.V.S atish Kumar	International Journal of Current Engineering and Scientific	2018	4	1	Professor, KITS(S)

on Drive for Machine Tool Applications		Research (IJCESR)				
Handling of apples during sorting-grading operation and measuring mechanical properties firmness after controlled atmosphere storage	Dr.M.V.Satish Kumar	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2018	4	10	Professor, KITS(S)
A Insubstantial Secure Information Sharing Scheme for Mobile cloud	N.Gowtham Kumar	International Journal of Management ,Technology and Engineering	2019	Nill	Nill	Assistant Professor in Department of CSE,KITSS
Localized region based active contours with a weakly supervised shape image for in homogeneous video segmentation of train bogie parts in building an automated train rolling examination	N. Sasikala	Multimedia Tools and Applications	2018	1	1	Associate Professor, ECE,KITS(S)
Flower image segmentation using	N. Sasikala	ARPN Journal of Engineering and Appl	2018	1	1	Associate Professor, ECE,KITS(S

watershed and marker controlled watershed transform domain algorithm		ications					)
Unifying boundary, region, into level sets for touching objects segmentation in train rolling stock examination	N. Sasikala	IEEE access	2018	1	1		Associate Professor, ECE,KITS(S)

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	6	39	Nill	Nill
Presented papers	6	7	Nill	Nill

[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
NSS Special Camp At Ippalapally	NSS,KITS(S)	6	50
National Workshop On Women Empowerment	NSS,KITS(S)/ JNTUH College of Engineering, Kukatpally, Hyderabad	1	15
National Voters Day	NSS,KITS(S)	90	500
Pooling of amount for Chief Ministers Distress Relief Fund(Amount Rs 43000/-)	NSS,KITS(S)	5	100
Blood Donation Camp	NSS,KITS(S)/RED CROSS society	7	200
NSS Day	NSS,KITS(S)	7	100

Celebrations			
Haritha Haram	NSS,KITS(S)	10	70
International Youth Seminar	NSS,KITS(S)/Kanha Shanthi Vanam ,Hyd	Nill	6
Inter-District Level Swachh Pakhwada	NSS,KITS(S)/JNTU, Manthani	1	13
Selection Of N.S.S Volunteers	NSS,KITS(S)	6	250
[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
Blood Donation Camp	Received Award And Silver Medal	Red Cross Society,Warangal	150
Entrepreneurship	Nivahatha Technologies Private Limited	Ministry of Corporate Affairs Government of India	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 activites	Number of students participated in such activites
NCC	NCC, KITS(S)	swacha bharath (Cycle rally)	1	16
NCC	NCC, KITS(S)	Rastriya ekta divas	2	100
NCC	NCC, KITS(S)	Blood donation camp	4	100
NCC	NCC, KITS(S), supported Police dept	Ganesh Nimarjan	1	39
NSS	NSS,KITS(S)/ JNTUH College of Engineering, Kukatpally, Hyderabad	National Workshop On Women Empowerment	1	15
NSS	NSS,KITS(S)	Pooling of amount for Chief Ministers Distress Relief Fund(Amount Rs 43000/-)	5	100
NSS	NSS,KITS(S)/K anha Shanthi Vanam ,Hyd	International Youth Seminar	1	6

NSS	NSS,KITS(S)/JNTU,Manthani	Inter-District Level Swachh Pakhwada	1	13
IAPT	KITS(S)/ Green wood High school, Warangal(U), Masteriji High school, Hanamkonda,Warangal(U) , Warangal public school, Hanterroad,Warangal(U)	Physics through simple experiments (physics stage show)	30	590
IAPT	KITS(S)/Governament High school Bheemadevarapally, Siddipet Dist	Physics through simple experiments (physics stage show)	8	200
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Refresher Course	Faculty of Engineering Colleges	IST/AICTE	6
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Training	Field Projects/Internships	The Institution of Electronics and Telecommunication Engineers	07/05/2018	07/06/2018	5
Training	Field Projects/Internships	The Institution of Electronics and Telecommunication Engineers	08/05/2018	08/06/2018	35
Training	Field Projects/Internships	The Institution	09/05/2018	09/06/2018	5

	hips	of Electronics and Telecommunication Engineers			
Training	Field Projects/Internships	The Institution of Electronics and Telecommunication Engineers	10/05/2018	10/06/2018	50
Training	Field Projects/Internships	The Institution of Electronics and Telecommunication Engineers	16/05/2018	16/06/2018	9
Training	Field Projects/Internships	Electronics Corporation of India Limited,Nivhata Technologies Private Limited	25/05/2018	25/06/2018	5
Training	Field Projects/Internships	Electronics Corporation of India Limited,Nivhata Technologies Private Limited	28/05/2018	27/06/2018	18
Training	Field Projects/Internships	Nivhata Technologies Private Limited	11/06/2018	30/06/2018	1
Training	Field Projects/Internships	Electronics Corporation of India Limited,Nivhata Technologies Private Limited	25/06/2018	24/07/2018	5
Training	Internship	BHAGYA LAXMI INDUSTRIES, KAZIPET	05/12/2018	15/12/2018	5
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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
E2E prologues India Pvt.Limited., Hyderabad	01/07/2018	Projects	80
Nivahatha Technologies	15/05/2019	Projects	81
Trylogic soft solutions	08/01/2019	Projects	111
SUKOHOMA Technologies Hyderabad	01/08/2018	Training	20
Design labs	09/01/2019	Training	50
TRYLOGIC Soft Solutions (AP) Pvt. Ltd.	05/01/2018	Training	324
Dhanush Engg. Services	27/07/2018	Training	235
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
171	168.21

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Newly Added
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LIBSYS	Fully	2.0	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	36873	8665155	421	199312	37294	8864467
e-Books	5	224570	1	13570	6	238140
Journals	95	193454	98	233576	193	427030
e-Journals	586	904865	457	238410	1043	1143275
CD & Video	245	Nill	45	Nill	290	Nill
Library Automation	1	Nill	Nill	Nill	1	Nill
Reference Books	8315	1954025	117	45045	8432	1999070

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
No file uploaded.			

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	628	18	12	1	1	8	6	60	2
Added	36	0	2	0	0	2	0	10	1
Total	664	18	14	1	1	10	6	70	3

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 incurredon maintenance of physical facilites
55.5	51.64	195.8	194.4

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.

http://www.kitssingapuram.ac.in

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	155	3767100

Financial Support from Other Sources			
a) National	Governament Scholarships, PMSSS	1263	49275800
b)International	0	Nill	0
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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
Bridge Course	02/02/2019	116	Guest Lecture on Artificial Intelligence by Dr. P.NiranjanReddy,Professor, KITS(W)
Bridge Course	03/06/2019	100	Guest lecture on Optical fiber sensors Mr R.L.N Sai Prasad, Professor, NIT Warangal.
Bridge Course	25/09/2018	63	Guest lecture on Career and prepation for compitetive examinations by Mr Chintala Ramesh, IES, Assistant director of department of Telecommunication
Bridge Course	08/04/2018	100	Guest lecture on Radar Counication by Dr Dhiraj Sunera, Professor, JNTUHCE
Personal Counselling and Mentoring	07/09/2018	2208	KITS,Singapuram
Yoga and Meditation	13/08/2018	252	KITS,Singapuram
Language lab	07/11/2018	946	KITS,Singapuram
Remidial Coaching	09/12/2018	532	KITS,Singapuram
Soft skill development	01/01/2019	70	Salesforce Essentials for Business Specialists, by TASK, Hyd.
Soft skill development	23/07/2018	509	Triumphant training solutions, Hyd. Task

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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 passedin the comp. exam	Number of studentsp placed
2018	Aptitude training	173	173	170	168
2018	Aptitude and technical training	138	138	131	126
2018	GATE/PGECET Classes	194	194	32	32
2018	A Three Day Workshop on Android App Development	112	112	Nill	Nill
2018	Three Day Workshop on Object Oriented Analysis & Design Using Rational Rose	112	112	Nill	Nill
2018	Three Day Workshop on Object Oriented Programming through C++	111	111	Nill	Nill
2019	Five Day Workshop on Python Programming	116	116	Nill	Nill
2019	Three Day Workshop on .NET on C#	96	96	Nill	Nill
2019	Two Day Workshop on Python Programming For Beginners	112	112	Nill	Nill
2018	Two days	103	103	Nill	Nill

| | National Workshop on "Engineering applications of MATLAB" | | | | |

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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
2	2	4

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
18	395	105	72	328	127

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.Tech	Mechanical Engineering	Institute of public enterprise, hyderabad.	Post Graduate Diploma in Management – (PGDM)
2019	1	B.Tech	Electrical and Electronics Engineering	Directorate Of Technical Education Education Training,Odisha,Cuttack	Post Diploma In Industrial Safety
2019	1	B.Tech	Mechanical Engineering	Vaagdevi Degree and PG College , Warangal	Master of Business and Administration(MBA)
2019	1	B.Tech	Mechanical Engineering	CMR Institute of Technology ,Medchal Road , Hyderabad	M.Tech(CAD CAM)
2019	1	B.Tech	Mechanical Engineering	Warangal Institute of Technology & Science ,Gudeppad X	M.Tech(CAD CAM)

2019	1	B.Tech	Computer Science & Engineering	University of Hertfordshire	Msc Data Science & Analytics
2019	1	B.Tech	Computer Science & Engineering	Cleveland State University	Masters in Computer and Information Science
2019	1	B.Tech	Computer Science & Engineering	KU School of Engineering	Master of Business Application
2019	1	B.Tech	Computer Science & Engineering	Anglia Ruskin University	Masters in Computer Science
2019	1	B.Tech	Computer Science & Engineering	University of East London	Msc Computer Science

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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
GRE	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
A Two day National Level Technical and Cultural Symphosium Texcellenz-18	National	115
A Two day National Level Technical, Sports and Cultural Fest KITSOZEN-19	National	560

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Second (Volley Ball, Boys)	National	1	Nill	16281A0209	G. Vishnu

2019	Second (Volley Ball, Boys)	National	1	Nill	16281A05C0	P. Krishna Sai
2019	Second (Volley Ball, Boys)	National	1	Nill	16281A0506	M. Raj Kumar
2019	"Second (Volley Ball, Boys)"	National	1	Nill	17281A05B1	T. Mani Sai
2019	"Second (Volley Ball, Boys)"	National	1	Nill	15281A0580	T.Viswha prasad Reddy
2019	"Second (Volley Ball, Boys)"	National	1	Nill	16281A0490	N.Deelip Kumar Reddy
2019	"Second (Volley Ball, Boys)"	National	1	Nill	16281A0441	J. Tharun
2019	Second (Throw Ball, Girls)	National	1	Nill	15281A0248	G.Puja
2019	Second (Throw Ball, Girls)	National	1	Nill	15281A0551	Ch.Deeksha Ravi Kumar
2019	Second (Throw Ball, Girls)	National	1	Nill	15281A0520	G.Sai Keerthana
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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. click link for more details https://drive.goog le.com/drive/folders/1WCJ_MAM-URCnOHqMi7xbiaJDW0EHNrad?uspsharing

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. During the academic year 2018-19, a total of 520 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 alumni from pioneering batch have contributed a fund of Rs. 7.3lacs 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:

520

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

738000

5.4.4 – Meetings/activities organized by Alumni Association :

During the academic year 2018-19 alumni association conducted the following 9 programs, in association with departments. 1. Interaction with students on guidelines for preparing ESE by Mr. J Nishanth On 21-08-2018. 2. Career opportunities in the area of Automobiles by Miss Preethi on 30-08-2018 3. Decennial Celebrations of 2004-2008 Batch on 29-09-2018. 4. Career Prospects in CREO and CATIA by Komal Guptha On 25-03-2019 5. Career Guidance Opportunities' Abroad by Mrs Ragini on 23-07-2018. 6. Developing soft skills by K Shiva Kumar on 20-02-2019. 7. Challenges in Entrepreneurship by Mr Rama Kiran Kumar on 18-01-2019. 8. Evolution of Mobile Communication by Mr Ranjith Reddy on 05-11-2018 9. Interaction with students on Automotive Loco pilots and overview of traction system by Mr Khadeer shaik, Senior Research Development Engineer, Medha Servo Drives Pvt Ltd, Hyd on 21-07-2018 for more details click here https ://drive.google.com/drive/folders/1kxvkPlfNRE-iqil0lqEu9bM6jrH8VVsO?uspsharing

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 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, delegates powers and responsibilities to various Committees, Principal, Head of the Departments (HoDs) and officer incharges of the Sections. The institute is affiliated to JNTUH, Hyderabad, which provides curriculum and academic regulations and the same are noted in the institute governing body. For smooth functioning of academic and administrative activities various committees are formed. Institute academic committee (IAC), consists of Principal as chairperson, HoDs and officer in charges of various sections as members. IAC prepares the plan of action to implement the regulations and curriculum delivery. IAC delegates authority to Department Academic committee (DAC), consisting of head of the department as chairperson, senior faculty members and department academic coordinator as members. DAC brainstorm about the curriculum and identify the curricular gaps, by considering feedback from various stake holders. Academic in-charge of the institute plays a crucial role as a bridging member between IAC and DAC. Once DAC identifies the gaps, actions will be taken by Head of the department and Academic coordinator of the department to fill

the gaps. Faculty members takes the responsibility of covering the syllabus where as the class coordinators plays an important role by way of monitoring the progress of coverage and reports the same to the department academic coordinator who in turn reports to the Head of the department. Paralelly faculty members interacts with the students and mentor them properly and at the same time enquires about the difficulties of any students w.r.t academic matters or personal matters. Mentors discusses the problems of their mentees with the academic coordinator / Head of the department based on the type of problem and tries to find the solution for the same. Class representatives will have meeting with academic coordinator and Head at the department level and also they will have meetings with academic in charge and Principal at institute level. The institute continues with its policy of participative management at various levels. Various committees are formed at department level and also at Institute level. Faculty and staff are assigned with the roles and responsibilities to work in a harmonious environment with complete transparency. They are playing various roles like department coordinator for TP, Exam branch, Entrepreneurship Development Cell, Career Guidance Cell, Industry-Institute Interaction Cell, Grievance Redressal Cell, Library, Alumni association, Sports, NCC,NSS, Website, and various committees like welfare committee etc. Policies and plans are presented and deliberated in the committee meetings to get consensus and heads of various departments convey the committee's decisions to the principal. Principal in turn puts up these decisions before Board of Governors.

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
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.
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.
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.
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 (2018-2019) three faculty obtained their doctorates and more than 15 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.
	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, purchase of new books. Departments are having ICT classrooms. 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.
	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.
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 solutions, TASK, etc.
Admission of Students	Admissions of UG and PG are strictly followed as per rules and regulations based on JNTUH and AICTE norms

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

E-governace area	Details
Planning and Development	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	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	Finance and accounts section uses Tally Silver software for carrying out various accounting activities like a) cash book maintenance b) maintenance of ledger etc. Audit Reports: https://kits singapuram.ac.in/new/auditreports.php
Student Admission and Support	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 | | 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
2018	N.Karthik	International Organization of ScientificResearch(IOSR) Journal of Electronics and Communication Engineering	NA	3200
2018	D. Sunitha	National Conference on Emerging Trends in Data Science and Intelligent Computing (NCETDSIC-2018)	NA	2500
2018	P. Sai chaitnya	Journal of Emerging Technologies and Innovative Research (JETIR)	NA	2100
2018	P. Chaithanya	International Journal of Research and Analyticaql Reviews (IJRAR)	NA	2100
2019	N. Sasikala	IEEE ACESS	NA	5000
2018	S. Rajender prasad	International Journal of Mechanical and Production	NA	7000

| 2018 | N. Ramakrishna | National Conference on Advances in Modeling, Manufacturing and Materials Engineering [NCAMMM-2K18] | NA | 2000 |
| 2019 | M. Pradeep Kumar | 9th Internatinal Conference on Quality,Relaiblity, Infocom Technology Business Operations | NA | 2000 |

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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)
2018	A Five Day Faculty Development Program on Palo Alto Firewall Installation,Configuration and Management	NIL	02/07/2018	06/07/2018	49	Nill
2018	A Five Day Faculty Development Program on Fundamentals of Python Programming	NIL	03/12/2018	07/12/2018	20	Nill
2019	Three day Faculty Development Program on	NIL	23/01/2019	25/01/2019	81	Nill

2019	NIL	A Two day workshop on Work place Readiness for Non Teachinf Staff	24/06/2019	25/06/2019	Nill	15
2018	One day workshop on IPR	Nill	23/10/2018	23/10/2018	41	Nill
2018	Two day workshop on " sensors, actuators and controls"	Nill	28/09/2018	29/09/2018	78	Nill
2018	One day workshop on " Universal Human Values"	Nill	16/11/2018	16/11/2018	30	Nill
2019	One day workshop on "Challe nges and Prospects in Entrepr eneurship"	Nill	18/01/2019	18/01/2019	191	Nill
2019	One day workshop on "Role of research scholars in Patents filing".	Nill	16/02/2019	16/02/2019	25	Nill
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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 Short Term Program on Mathematical Modeling Numerical Techniques in Engineering and Science	1	09/10/2018	13/10/2018	5
A Two Day National Level Workshop on Design and Simulation for Next generation Applications	5	11/10/2018	12/10/2018	2
A One Week ISTE,IIPE ENTUPLE Sponsored Short Term Training Programme on HANDS ON PROGRAMME ON ANSYS SOFTWARE(HPAS-18)	8	11/11/2018	16/11/2018	5
One week Faculty Development Programme onMetamaterial Applications and Evolutionary Techniques	1	22/04/2019	27/04/2019	6
A One week Faculty Development Programme onVLSI Design :Bridging Concepts to Practice	1	25/03/2019	30/03/2019	6
Three day Faculty Development Program on Scope,Challenges Opportunities for Research in	29	23/01/2019	25/01/2019	3

Emerging areas of Mechanical Engineering(SCOREME-2019)				
One week Faculty Development programme onTrends in Reconfigurable(FPGA)SoC Design	1	25/11/2018	30/11/2018	6
Short term course on Engineering Research Methodology	1	15/04/2019	20/04/2019	6
A Five day Faculty Development Programme on Fundamentals of Python Programming	14	03/12/2018	07/12/2018	5
Five day Faculty Development Programme on Palo Alto Firewall Installation, Configuration and Management	5	02/07/2018	06/07/2018	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
117	117	78	78

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Maternity leave, Group insurance	Gratuity, Maternity leave, EPF , Group insurance ,Uniforms	Fee waiver (Tuition Fee concession to the employees children), Group insurance

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
Software/website developed and supplied to clients (1.Safe life Hospital services, Karimnagar. 2. Sree Asian College of Hotel Management.)	73000	Software/website developed as per the client requirements.

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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Academic audit committee with one external member	Yes	Academic audit committee with two internal members
Administrative	No	Nill	Yes	Administrative audit committee

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

• Parent – teaching 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, PEO's of the program. • Addressing parents by principal, head of the departments and office 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, visits.

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

• **Conduction Soft skills /workshops once in a year • Organizing training programmes on installation and maintenance of equipment. • Conduction of training programmes on latest equipment / software .**

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

• **Initiation for applying for NBA. • Facilities provided to undertake research work through RD cell. • 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. • Faculty members are encouraged by providing awards/rewards (incentives) for publishing research articles in reputed journals.**

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	**Yes**
b)Participation in NIRF	**Yes**
c)ISO certification	**No**
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
2018	A Five Day Faculty Development Program on Palo Alto Firewall Installation, Configuration and Management	18/01/2018	02/07/2018	06/07/2018	49
2018	An Expert Lecture on UGC-NAAC Accreditation process	07/04/2018	07/07/2018	07/07/2018	92
2018	Student Orientation Program- Quality Technical Education- Role of Students and Parents	07/04/2018	19/07/2018	19/07/2018	750
2018	A Five Day Faculty Development Program on Fundamentals of Python	07/04/2018	03/12/2018	07/12/2018	20

	Programming				
2018	Role of Teachers in improving the Quality of Technical Education	07/04/2018	22/12/2019	22/12/2019	93
2018	One day workshop on IPR	07/04/2018	23/10/2019	23/10/2019	41
2018	Two day workshop on " sensors, actuators and controls"	07/04/2018	28/09/2018	29/09/2018	78
2018	One day workshop on " Universal Human Values"	07/04/2018	16/11/2018	16/11/2018	30
2019	One day workshop on "Challenges and Prospects in Entrepreneur ship"	07/04/2018	18/01/2019	18/01/2019	191
2019	One day workshop on "Role of research scholars in Patents filing".	07/04/2018	16/02/2019	16/02/2019	25
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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
Role of students in promoting gender equality	04/10/2018	04/10/2018	53	45
Women in engineering- prospects and challenges	14/03/2019	14/03/2019	20	Nill

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 2018-19 the power saving through alternative energy source (Solar) as being enhanced by 59.14. More details click https://drive.google.com/drive/folders/10S8DHoubgHU-MU-A-7N0ZBpFqbmixeLF?uspsharing

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	1
Braille Software/facilities	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	1
Physical facilities	Yes	1
Any other similar facility	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
2018	Nill	1	01/08/2018	365	Employment	The services of unskilled workers from local community was considered for campus maintenance works	4
2019	Nill	1	16/03/2019	1	Event Conducted under Help Helpless at Government High School	Distribution of Stationery and Chocolates to Govt. School Children by CSE Department	50
2018	Nill	1	01/07/2018	365	Community Hall	Institute extends access	1000

						for Local people	
2018	Nill	1	08/03/2018	1	Awareness Program in Nearby schools	Faculty creates social awareness by visiting nearby schools	200
2018	Nill	1	29/08/2018	235	Mandatory Service activity	32 hours of Mandatory Social Service as stated by Affiliating University	340
2018	Nill	1	01/01/2018	365	Volunteering activities	Service offered through NSS and NCC camps	100
2018	Nill	1	01/01/2018	365	Temple	provides Spiritual Dimension to the lives of the local people	500
2018	Nill	1	01/03/2018	121	Water Tanker	Supply of water to the local people in times of water scarcity	100
2018	Nill	1	25/01/2018	1	Creating Voting awareness	organizing rallies to spread awareness about importance of voting in the local community	50
2019	Nill	1	07/02/2019	1	Road Safety Rally	To spread awareness on the	50

									imporance of wearing helmet

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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)
Administrative Manual	13/07/2018	Kamala Institute of Technology and Science has been 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: 1. Encouraging faculty to attend workshops and training programmes on human values and professional ethics for teaching fraternity. 2) Putting inputs of human values and professional ethics in induction, orientation program 3) Encouraging faculty for rendering their services as a mentor for inculcating ethical and human value among their students. 4) Implementing the audit course on Human Values

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and Ethics in the regular time table of students 5) 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 6) Felicitating teachers (Guru Poojothsyavam) on Teachers' Day 7) Serving the needy through charity activities 8) Equipping the library with books that promote human values and ethics 9) Encouraging wall painting on ethical issues like gender equality, environmental sustainability, Sarva Shikshya Abhiyan, educate the girl child etc 10) Interacting with the parents for suggestions on sustaining harmony on campus. 11) Encouraging students to participate in essay writing competitions within and without the institute on occasions like Youth Day, commemorating the birthday of Swami Vivekananda. 12) 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
Martyrs day	30/01/2018	30/01/2018	192
Traditional day	11/08/2018	11/08/2018	160
Blood donation	05/10/2018	05/10/2018	200
International Yoga day	21/06/2018	21/06/2018	130
National Integration day	19/11/2018	19/11/2018	450
Surgical Strike day	29/09/2018	29/09/2018	88
NSS:Special Camp for Adopted Village ippalapally	20/03/2019	26/03/2019	100

National Youth Day	12/01/2019	12/01/2019	110
Workshop on Universal Human Values	16/11/2018	16/11/2018	30

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

1. Compost pits: The campus has compost pits into which all organic waste like food waste from the canteen, the boys' mess and the girls' mess is dumped. Additionally, the garden waste like dried leaves, twigs and cow dung from the dairy on campus is dumped into these pits to generate organic compost used for the rich growth of plantation on campus. 2. Save energy tips: The institute adopts tips to save as much energy as possible. The power management features of the systems in the laboratories are activated so that they go into a low power "sleep" mode when faculty and students are not working on them 2. Turning off the monitors when the systems are not in use. 3. Whenever possible, using the shut down option rather than simply logging off. 5. Fully ventilated classrooms into which daylight floods. 6. Use of LED bulbs instead of CFLs. 7. Switching the fans and lights off in classrooms, committee rooms and laboratories when they are not in use.8.No decorative lighting in any of the seminar halls, committee rooms or cubicles. 9. Two rooftop solar power generation plants of 100KW capacity each have been set up in order to reduce the use of conventional electricity. Energy audit is conducted on a regular basis. 3. Green initiatives by faculty and students: The faculty and students are involved in plantation programs on campus. The Telangana government initiative for plantation "HARITHA HAARAM" is implemented without fail and the active participation of students and faculty is sought. Annual expenditure on green initiatives is part of the institutional planning and budgeting process. 4. Waste water management system/rain water harvesting: 1.The excessive use of water is restricted at hostels through regulated systems of water supply.2 Mostly push taps are arranged in the waiting rooms and other areas. 3. For wetting lawns, sprinklers are used.4.Rain water harvesting pits are constructed at major points where large amount of rain water is likely to collect. 5. Minimizing vehicular traffic density: 1.The students are discouraged from using their individual vehicles. They are rather encouraged to travel by the institute transport service/ use public transport / car pooling.2. Faculty members also adopt these methods to reduce vehicular density. 6. Retention of majority of green belt: At present, the area under Institutional buildings is only a small part of the total area and the remaining area has extensive lawns, ornamental plants, well maintained BT roads, footpaths, green belt etc. The land used for construction is planned in such a way that there is minimum adverse impact. A large variety of tree species like Silver oak, Neem, Mango, Jamun etc, and many ornamental floral varieties have been planted on the campus thus maintaining the bio-diversity, reducing the pollution and also providing aesthetic beauty to the place. https://drive.google.com/file/d/19njGY8c-7pnodIq PlJfI5W8dSoOWutwN/view?uspsharing click above link for more details.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

I: Social Responsibility and Extension Activities: Objective: • To make the students socially responsible at local and global level through engineering applications, social awareness activities, campaigns and voluntary services. • To make students and faculty feel responsible for transformation in the knowledge, attitudes and skills of people of the surrounding communities. Context: In this era of modernization, great emphasis is on enrichment of the

global quality of life. The institute's best practices contribute significantly to the goal of developing social consciousness and a sense of dignity of labor through extension activities which are part of its functioning. Practice: • The best practices have been institutionalized and internalized which is mirrored in the institute's academic, administrative and budgeting processes. • The two units of National Service Scheme (NSS) with a cumulative strength of 200 students in 2018-19, worked vigorously for campus-community linkage. • The institute's distinctiveness is visible in its NCC 9(T) battalion Army Wing of 100 cadets which enhanced its service activities. • Students were also encouraged to develop viable and cost effective prototypes useful to the community. • The faculty extended their services to the society through extension lectures, stage shows and other programs in rural areas which is part of the institute's vision. Evidence of success: • The institute's ambulance extended its service to the residents of Singapur village this year too. • The institute supplied drinking water to the residents of Singapur during March-June 2018-19. • Fee concession was given to students after judicious assessment of the representations submitted to the management. • Help Helpless team of the CSE department visited Vishnu orphanage for children, Rangapur on 25th October 2018 and extended charity in kind. • The institute's 'Women Protection Cell' organized two gender equity programs and gender awareness lectures. • A SHE-Team of Police of Government of Telangana was invited on 09-09-2019 to create awareness of SHE-SAFETY among students who help spread the message across local communities. • Two value added courses, one on 'Gender Sensitization', and the other on 'Professional Ethics' introduced in the curriculum by JNTUH, Hyderabad were offered to impart knowledge of social responsibility. • Our SAC student members enacted and uploaded a skit on 'Stop Violence against Women' on the youtube. • The head of physics department and president of IAPT (RC-22),assisted by other faculty of physics conducted • A stage show on physics experiments at Government High School, Bheemadevarapally, Siddipet District (TS) on 02-03-2019 for 200 students of 9th and 10th class. • A program 'Physics through simple experiments for high school students' during 23rd, 24th March 2019, at three different High Schools in Hanamkonda and Warangal. • The social extension activities organized by the NCC unit for the year 2018-19 are: • Swach Bharath program in Singapur village on 30th April 2018 to educate people on hygiene and sanitation, negative effects of smoking and drinking alcohol, safe driving, ban on plastic. The cadets helped spruce up the village. • 15 cadets helped in traffic controlling at Chief Minister's meeting held at Jammikunta for the Raitubhandu Cheque dispatch program • An International Yoga Day was organized on 21st June 2018 to spread the message of "yoga for fitness." • Two batches, each with 25 and 14 cadets, were deputed to support the Police dept for controlling crowd on " Ganesh Nimajjan" on 23nd September 2018 at Karimnagar and Huzurabad respectively. • SWACHATHA HI SEVA program was organized on 23rd Sep 2018.The cadets helped clean Huzurabad bus stand • An essay competition on "Role of Army in Nation Building" was organized on the occasion of surgical strike day to spread the feelings of patriotism. • A blood donation camp was organized on 5th Oct 2018 where faculty and students donated blood • National Integration Day was organized on the college campus on 31.10.18 to spread the spirit of patriotism among students. • 16 cadets participated in a cycle rally with the slogan "Save Food" organized by Food Corporation of India (FCI) on 20/11/2018 • A Rythu Mitra app, smart field detecting sensor and an electricity bill estimator were developed by the CSE department. • An app called 'NCC CODEX' for virtual evaluation and an online biometric authentication app for attendance management were developed to benefit NCC officers. The social extension activities organized by the NSS unit in 2018-19 are: • Voluntary services like extensive cleaning program, hygiene and health awareness activities under the Inter-District Level Swachh Pakhwada organized on 10/08/2018 at JNTU Manthani. • Six students participated in the International Youth Seminar conducted at Kanha Shanthi Vanam, Hyderabad from

13th to 18th August 2018 to gain awareness and educate the local community. • A Silver Medal was given by the Red Cross Society, Warangal on 15/08/2018 recognizing it as one of the best blood donation organizers. • Students and faculty members volunteered for the tree plantation program "Haritha Haaram" on 31/8/2018. • A blood donation camp was organized jointly with the RED CROSS society on 15/10/2018. • On 11-09-2018, Rs 43,000 were given to the Chief Ministers Distress Relief Fund for the Kerala flood victims. • On 25-1-2019, National Voter's Day March was conducted to create community awareness about the right to vote. • On 2nd March, 2019, 15 students were trained at the 'National Workshop on Women Empowerment' organized by JNTUH, Kukatpally to educate the local communities. • From 20/3/2019 to 26/03/2019, 50 students and 6 faculty extended social service to Ippalapally, a village adopted by the unit. • A blood donation camp was organized on 24-09-2019 jointly with MGM, Warangal blood bank. • A voter awareness rally was organized on the occasion of voters' day. Problems Encountered: 1. Going through the three stages of exposure, insertion and immersion to the social activity needs sustained efforts from faculty, students and the administration. 2. A few coordinating problems occurred. II. ENVIRONMENTAL SUSTAINABILITY Objective: • To make students participate in activities that help sustain and understand that harmonious co-existence between people and nature is needed for the benefit of humanity and how crucial is the role of institutes in spreading the message of sustainable development and become model sites of sustainability for others to emulate. • To make the campus a low carbon zone and nurture among the students a touching fondness for nature. Context: Environmental sustainability has become a global challenge. Engineering institutes, through their best practices, can inspire students to help create sustainable engineering solutions for better living. Practice: In the year 2018-19, the institute has continued to: • Implement an audit course on environmental science along with the regular curriculum. • Emphasize on alternative transportation system to reduce vehicular emissions and reduce fuel consumption. • Supplement its power supply through two roof top solar power generation units of 100KW each. • Encourage students to carry out projects focused on sustainability. • Increase the plantation across the campus. • To encourage the use of reusable bottles for carrying drinking water • Convert the organic and plant waste to compost and use it for plants on campus • Nurture the campus gardens with a large variety of ornamental plants • Communicate sustainability values through displays like 'say no to plastic' 'reduce, recycle, reuse' and 'green earth, clean earth.' • Use sprinklers to wet the institute lawns. • Minimize the use of plastic on the premises. • Harvest rain water through recharge pits. • Use LED bulbs for lighting. • Increase plantation programs with the help of NCC, NSS and other student bodies • Conserve power by switching off fans and lights when not in use. • Counsel students and employees on water and power conservation Evidences of success: • An amount of Rs 4, 07,47300 was spent on green initiatives for the year 2018-19. • Of the institute's power requirement of 471567kwh, 278899.3KWh has been met by two roof top solar generation units of 100 kW each for the year 2018-19. • 15 enhancement in the institute's LED lighting power took place in the year 2018-19. • In 2018-19, a few prototypes, helpful in sustainable development were developed as part of student project work. Some of them are: • A solar power driven paddy cutter and a smart water management system were developed Electrical Engineering department. • A smart vehicle for border security, Live security monitoring using Raspberry PI and Voice assisted blind stick using ultrasonic sensor by the department of Electronics and Communication Engineering. • Cost effective models of a multipurpose cleaning machine, paddy filling machine, a semi-automatic rice transplanter, a bore well rescue robot, solar powered thermo electric refrigeration system, and single stem tree climbing equipment were fabricated by the department of Mechanical Engineering. • Water crisis was never reported on the campus due to presence of recharge pits, canal and a lake nearby.

Problems Encountered: • Making the students passionate about sustainable development needs great efforts from the faculty. • Development of sustainable models needs great creativity. • Encouragement of external funding agencies is needed to promote such sustainable models.

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

With a philanthropic vision of making technical education accessible to the rural community, KITS, Singapuram has been accentuating on quality improvement as part of its vision. Developing logical, creative thinking and problem solving abilities needed for innovation is a matter of priority for the management. The institute's targeted beneficiaries are the rural people and it has been implementing the best and innovative practices directed towards nurturing academically distinct engineering graduates with broad focus on their cognitive abilities, values, attitudes, creativity and emotional development. With a robust physical infrastructure and tranquil ambience for inspiring creativity, the institute has emerged distinctively through processes that have been institutionalized and internalized in all the academic, administrative and budgetary aspects and attained B NAAC Accreditation. The learner-centric environment has been further reinforced by enhancing the academic facilities some of which are: • Presence of IQAC that ensures quality and Entrepreneurship Development Cell for encouraging innovation. • Transformation of the institute website as a most accessible information resource • Attempt to convert the institute into a solar based green energy campus • Enhanced use of LED lights to minimize the use of conventional energy sources. • Increasing the number of books in the library • Student activity photos and Roll of honor of academic achievers on display to motivate the students. • 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. • Intensifying the counseling services • 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. • Use of student feedback as a valuable output which is collected through a variety of ways such as feedback form, suggestion box, open door policy etc. • Use of technology for announcements , communication of schedules, and for all formal communication with parents, students and other stake holders • Enhanced number of MOUs with external training agencies • Increased number of memberships in professional bodies for external linkage. • Quality improvement by considering parent feedback through Parent-Teacher meetings • Enhancement of equipment as required in the laboratories • Service to society through increased number of extension activities through NSS units, NCC wing and other help groups • Effective implementation of the AICTE prescribed Induction Program for two weeks including all activities covering value education, physical activity, games and sports, literary activities, creativity, cultural activities etc. • Providing comprehensive information on each of the courses through a hand book. • Enhanced number of placements through intensified training with the help of institutional and also external agencies. • The counseling through Career Guidance Cell has been intensified to attitudes and abilities needed for recruitment and also to help in exploring higher educational opportunities in India and abroad.

Provide the weblink of the institution

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

8.Future Plans of Actions for Next Academic Year

1. To strengthen ICT facilities in few more class rooms. 2. To improve rain water harvesting system in the campus. 3. To extend NSS activities by starting second wing. 4. To enhance the buildup area of the campus. 5. To initiate the process for National Board of Accreditation for at least three UG programs. 6. To motivate faculty members to get registered for Ph. D. 7. To strengthen the alumni association and also to involve them in the development of the institution. 8. To encourage the staff members to publish quality papers. 9. To get funding under central government schemes like Unnat Bharath Abhiyaan for extending the activities of NSS wing of the institution.