



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		K. S. INSTITUTE OF TECHNOLOGY
Name of the head of the Institution		Dr. T.V. Govindaraju
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		080-28435722
Mobile no.		9663778001
Registered Email		principal@ksit.edu.in
Alternate Email		principal.ksit@gmail.com
Address		No 14, Raghuvanahalli, Kanakapura Main Road, Bengaluru
City/Town		Bengaluru
State/UT		Karnataka
Pincode		560109

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Urban			
Financial Status		private			
Name of the IQAC co-ordinator/Director		Dr. Dayananda R B			
Phone no/Alternate Phone no.		08028435722			
Mobile no.		7676206182			
Registered Email		dayanandarb@ksit.edu.in			
Alternate Email		rbdayanandakit@gmail.com			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://ksit.ac.in/img/naac/SSR_Submitted%2022%20Jan%202019.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		http://ksit.ac.in/academic_calender.htm <u>1</u>			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.79	2019	01-May-2019	30-Apr-2024
6. Date of Establishment of IQAC			31-Jan-2018		
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	

Academic Audit	19-Mar-2018 1	104
Class committee Meetings (CCMs)	02-Apr-2019 1	20
FDP on Outcome Based Education	17-Jul-2019 3	75
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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
KSIT/MECH	Innovative project	KSCST	2018 180	6000
KSIT/MECH	Innovative project	KSCST	2019 180	5500
KSIT/CSE	Innovative project	VTU FOSS	2018 180	5000
KSIT/CSE	Innovative project	VTU FOSS	2019 180	5000
KSIT/CSE	Innovative project	VTU FOSS	2019 180	5000
KSIT/ECE	Innovative project	KSCST	2019 180	8000
KSIT/ECE	Innovative project	VTU	2019 180	5000
KSIT/ECE	Innovative project	VTU	2019 180	5000
KSIT/ECE	Innovative project	KSCST	2018 180	8000
KSIT/MECH	Innovative project	KSCST	2019 180	8000
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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 :

4

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. Professional body memberships have been done for all students in their first year(IEI membership details of all students is attached)	
2. Common time tables formats are introduced to Teaching, NonTeaching staff, lab and class time tables by IQAC	
3. SWOC analysis is done for quality improvement by IQAC	
4. Monitored various disciplinary committees of the college (ASH, AR and grievances committee MOMs are attached)	
5.To support Internal auditing process, new templates and checklists have been prepared by IQAC to audit academic file and personal file.	
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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year	
Plan of Action	Achivements/Outcomes
Feed back process and suggestions from the stake holders should be collected and analysed.	Stake holders feed back has been collected , processed, analysed and action has been taken.
The institution assesses the learning levels of the students, after admission and organizes special Programmes for advanced learners and slow learners	Extra classes and additional tests are given to boost their confidence, appropriate counselling with additional teaching, eventually helps to attend classes regularly for overall development of slow learner. Advanced learners are identified through their performance in examinations, interaction in class room and laboratory, their fundamental knowledge, concept understanding and articulation abilities etc.,
More emphasis should be given on Teaching pedagogy and use of ICT Tools.	Adopted the following teaching methods to transform the learning environment. Subjective seminars, Power Point Presentations, snap tests, guest lectures and industrial visits. To plan for teaching Pedagogy, ICT methodologies to enhance teaching

	learning process. [Free LMS - Edmodo, Schoology, Google class room, MOOCS Courses- NPTEL, Course era, EDX, UDEMY, Edureka so on].
Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution	Mapping with CO and PSO was not clear. Process will be improved with new updates to get proper attainment.
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	29-Apr-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	18-Mar-2020
17. Does the Institution have Management Information System ?	No

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

The KSIT pursues its goals and objectives according to its vision and mission to impart quality education. KSIT as an affiliated institute to VTU has only limited flexibility and powers as regards to curriculum design. In order to ensure the effective curriculum delivery KSIT adopts its unique and innovative methods and systematic strategies. To achieve the goals and objectives and also for the benefits of the students the curriculum prescribed by the university is further enriched with additional inputs to prepare students to meet the complex employment market. An Academic Advisory Board is constituted, which reviews the curriculum and gives advises so as to prepare the students to meet the challenges faced in the employment market. The institute has included various Programmes like seminars, workshops, research activities apart from giving encouragement to the extra curriculum activities. KSIT strongly supports research, consultancy and allied activities. The Institution supports publications of original research by its research scholars, faculty and students. Holistic approach is encouraged so as to equip and prepare the students to face any complex or adverse scenario. The curriculum is structured keeping in mind the Outcome Based Education as defined by the AICTE and the VTU and the process adhered to is explained as under 1. The Institution level as

the head of the teaching learning process Principal by taking into confidence the Heads of the various departments and by meeting regularly decides the academic process for the effective student learning. 2. Vision and mission: The Institutional Vision and Mission that is set by Governing Council meet and PEOs, PSOs, POs are developed for each program. Every department has its own Vision and Mission drafted in line and on par with the Institutional Vision and Mission assessed by the senior faculty and the Principal. 3. Academic Calendar: At college level the coordinator appointed would oversee the activities who in turn prepare the academic calendar for the Institution and the action plan formulated accordingly. 4. Subject allocation: Subjects would be allocated to the faculty by the Head of the Department depending upon their specialization and preferences from the facilitator. 5. Lesson Plan: The facilitators prepare the lesson plan which includes content, topics to be covered, maps CO and PO, prepares teaching plan, question banks, assignment questions, student attendance record, Internal assessment QP, their continuous record, and pedagogy. 6. Class committees: Class committees would be appointed by the Class Advisors concerned which allows the students to express their opinion about their understanding in the Courses/ academics. 7. Internal Assessment: Internal Assessment tests are conducted as per the university regulations and in accordance with the calendar of events in a semester at the college level in a centralized way that is monitored by the Heads and Principal. The performances of the students in the Internals are assessed based on the scheme of evaluation. 8. Communication: Performance of the students would be communicated to the students and parents through pupil pod portal, SMS, regular parent-teacher meeting and the mentors. 9. Student Feedback: Twice

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
NIL	NIL	31/07/2019	0	NOT APPLICABLE	NOT APPLICABLE

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	NIL	31/07/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	CSE	13/08/2018
BE	ECE	13/08/2018
BE	ME	13/08/2018
BE	TE	13/08/2018
Mtech	Computer Science Engineering	06/08/2018
Mtech	Machine Design	06/08/2018
Mtech	Digital Electronics	06/08/2018

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

	Certificate	Diploma Course
Number of Students	0	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Personality Development Program (Life Skill) For 7th Sem	14/08/2018	412
NTT DATA Company Specific Training For 7th Sem	25/11/2018	79
TCS Company Specific Training For 7th Sem	28/08/2018	278
Infosys Company Specific Training For 7th Sem	06/09/2018	277
Mu - Sigma Company Specific Training For 7th Sem	30/08/2018	217
Fresher's World.Com Online Assessment For 7th Sem	21/09/2018	97
First Naukri Online Assessment For 7th Sem	20/09/2018	304
AMCAT Online Assessment For 7th Sem	19/09/2018	353
HIRE MEE Online Assessment For 7th Sem	27/08/2018	320
Virtusa - Neuralhack Computation For 7th Sem	24/09/2018	2
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	CSE	128
BE	ECE	107
BE	ME	139
BE	TE	44
Mtech	CSE	1
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes

Parents	Yes
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1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained

Curriculum Feedback : KSIT has a formal mechanism to obtain feedback about the syllabus from different stakeholders. This feedback obtained was used to find curriculum gaps and was used as a tool to conduct curricular enrichment programs. Feedback was also collected from final year students and analyzed as program end survey, the feedback was also collected from Alumni. Feedback was also taken from students and parents through annual parent-teacher meetings and will be recorded and necessary actions are incorporated. The feedback collected from stakeholders was analyzed and suggestions were communicated to the University for promoting effective learning and also to enhance and enrich the University curriculum. Teaching evaluation process: Feedback system : After the 1st internal assessment, all the students are required to fill an online feedback-form apprising the faculty using a scale of 10 (high) through 1 (low). Principal access the database of faculty feedback and the printouts are sent to the HODs. The comments are analyzed by the HOD and are discussed with the concerned faculty individually. Suggestions for improvement in teaching performance are given if required by the Principal and HOD. Faculties are deputed to Faculty Development Programs for improvement in the teaching-learning process. The student feedback form is mentioned below: Frequency : Feedback is taken from the students in each semester for all the theory and laboratory class with respective faculty handling the course. The feedback is taken after the 1st and 2nd IA test. Analysis : Feedbacks are verified by the Head of the Institute. Action taken : The analyzed forms will be made available to respective faculty. If feedback is < 80, action plan is proposed for improvement, and implementation of action plan is documented.

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
BE	CSE, ECE, ME, TCE	504	403	369
Mtech	CSE, ECE, ME	72	1	2
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1582	3	98	3	101

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	Number of	ICT Tools and	Number of ICT	Number of smart	E-resources and
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Teachers on Roll	teachers using ICT (LMS, e-Resources)	resources available	enabled Classrooms	classrooms	techniques used
103	101	13	20	7	5

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

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

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

The institution has a mentoring system for every student. Every student is given a Mentor Book in which he fills up all the information and hand it over their respective mentor. For every twenty students a mentor is identified by the concerned head and the student remains with that mentor though out his/her stay in the institution. The mentor monitors their performance through internal assessment tests and informs their parents about their marks and attendance and calls them for parent's teacher meeting and provides suggestions for their improvement. After every internal test and semester end exam the students are counseled. A meeting with the parents along with HOD and Principal was conducted for the weak students

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1582	94	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
6	6	0	6	0

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
2018	Dr. Dayananda.R.B	Professor	National award for Excellence in Research Development (GRA)
2018	Mr. K.Senthil Babu	Associate Professor	Best project of the year (KSCST)
2019	Lakshmi H R	Assistant Professor	Woman Achievers award, NFED, Chennai
2018	Mr Umashankar M	Associate Professor	Best project of the year (KSCST)
2018	Mr.Murulidhar K S	Assistant Professor	Active Young Researcher Award
2019	Mr. Dileep J	Assistant Professor	Award in National Seminar on Innovation in Science Engineering

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Mtech	CSE	EVEN/2018-19	12/07/2019	26/09/2019
BE	TCE	EVEN/2018-19	16/07/2019	23/08/2019
BE	ME	EVEN/2018-19	16/07/2019	23/08/2019
BE	ECE	EVEN/2018-19	16/07/2019	23/08/2019
BE	CSE	EVEN/2018-19	16/07/2019	23/08/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Continuous Internal Evaluation (CIE) Internal Assessment Test • After commencement of the course, Department conducted three internal tests, scheduled in accordance with the university and college calendar of events. • Internal Assessment schedule and conduction was monitored by Internal Assessment (IA) Coordinators. • Course Coordinators prepared the Question papers and Scheme of Evaluation for their respective course and submitted to IA coordinators. • Question paper was scrutinized by the Module Coordinator. • Two Question papers (set A and set B) was set for each Course. Among them, one was been selected for IA. • Course coordinator followed the scheme and solutions for each test and assessed the performance of students. Seminar Work Evaluation • Head of the Department selected a senior faculty member as a Seminar coordinator. He along with other faculty assessed Technical seminar presentations by the students. He ensured that the students selected advanced topics in Mechanical Engineering and allied research areas with a lot of relevance and applicability. • Every student presented the selected topic in the eight semester as per the schedule mentioned prior in Time Table and Department Calendar of events. • Seminar coordinators evaluated according to rubrics, for evaluation of seminar. Project Work Evaluation: • Project batches were formed as per the instruction given by project coordinators. • Synopsis was submitted to the project coordinators for scrutinizing. Project Batches are allotted to the internal guides based on the specialization and domain expertise of the faculty members and student's preferences was considered too. • Each internal guide, continuously monitored their students on a weekly basis to observe the progress in their work. • Project guide along with project coordinators conducted three project reviews as per the rubrics, which was set by the Department and then submitted the Internal Assessment marks to the Head of Department. • External Project Viva voce was conducted by the panel of examiners deputed by the University. Based on the viva voce, the marks were awarded to the students and submitted to the university. • Department encouraged the students to participate in Project Exhibition and the project Guides motivate, guided the students to publish their work in standard conference/journals.

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

• Academic Calendar shows the entire academic activity, beginning with the commencement of classes up to the end of the semester including the practical examinations. • Academic Calendar is a comprehensive guide to carry the academic activities with ease. It was circulated among the teaching fraternity and also students before the start of the semester. • Academic calendar is the

back bone for teaching and learning process where in the teaching methodology was shown in an organized manner. The institution ensures effective time management and appropriateness by adhering to the timeline received by the University.

- Institution refers the academic calendar in order to adhere to the planned curriculum and other activities. This allows the faculty and the students to space out their teaching, learning process and regular assessments.
- A committee for creating and organizing the academic calendar was formed by the institution. The committee consists of the Principal and other core members.
- Faculty members prepared the "Lesson Plan" as per the academic calendar. This in turn will project their teaching plans well before the commencement of a semester.
- Timetable in-charge of each department prepared the timetable as per the guidelines of the affiliated University and statutory bodies.
- Regular staff meetings were conducted to ensure adherence to the schedule given in the academic calendar. In case of any unusual and unscheduled break in the working day, the staff committee meets again to work out a schedule to compensate the working days.
- While forming the academic calendar, the institution adhered to the minimum number of working days and teaching days.
- Academic activities were always given priority and all other activities are performed without disturbing the classes. The Monthly Internal Assessments were conducted as per the academic calendar and student evaluation process was performed in a transparent manner.
- Academic Calendar shows the Continuous Internal Examination (CIE) performed in terms of three Internal Assessments (IAs). The scheduled dates of IA1, IA2 and IA3 were also shown in the calendar. IA question papers were set based on the Outcome Based Education (OBE) format.
- The best of two IA marks (2015 scheme) all the three IA Marks (2017 2018 scheme) was used to calculate the final internal marks attained by the student. These marks are also considered to decide the course of nature for teaching slow students and rectify their performance before the external examination.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.ksit.ac.in/naac>

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
PG	Mtech	CSE	1	1	100
UG	BE	CSE	122	122	100
UG	BE	ECE	121	117	96.67
UG	BE	ME	116	113	97.4
UG	BE	TCE	48	46	95.8

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2.7 – Student Satisfaction Survey

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

<http://www.ksit.ac.in/naac>

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
Minor Projects	180	VTU FOSS	0.05	0.05
Minor Projects	180	VTU FOSS	0.05	0.05
Minor Projects	180	VTU FOSS	0.05	0.05
Minor Projects	180	Karnataka state council for Science and Technology (KSCST)	0.08	0.08
Minor Projects	180	Visveswaraya Technological University (VTU)	0.05	0.05
Minor Projects	180	Visveswaraya Technological University (VTU)	0.05	0.05
Minor Projects	180	KSCST	0.08	0.08
Minor Projects	180	KSCST	0.08	0.08
Minor Projects	180	KSCST	0.08	0.08
Minor Projects	180	KSCST	0.06	0.06

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Technical talk Introduction to Python Programming and its Application	Telecommunication	19/02/2019
Guest Lecture on Higher Studies.	Telecommunication	08/03/2019
Technical Talk on Data Structures C	Telecommunication	15/03/2019
Technical Talk on Introduction to 5G	Telecommunication	08/04/2019
Higher education, Path finder NRI	CSE	03/07/2019
Robotics and Home automation	CSE	27/02/2019
Mobile App Development	CSE	22/02/2019
Internship opportunities in City surveillance and Nayagaadi	CSE	20/02/2019

Artificial Intelligence	CSE	17/11/2018
VMware Virtualization and Cloud Essentials	CSE	13/11/2018
DBMS Workshop	CSE	22/10/2018
Awareness on Digital Marketing	CSE	15/10/2018
"Higher Education Options After Graduation"	CSE	10/11/2018
Introduction to Virtualization	CSE	10/10/2018
Sentinel Hack 1.0	CSE	09/10/2018
Data Science and analytics	CSE	23/09/2018
Start up engineering	CSE	09/07/2018
IBM Analytics, Google Digital Marketing Data Science,	CSE	23/08/2018
Technical Seminar on "Artificial Intelligence and Machine Learning- Industry Trends"	ECE	20/02/2019
Technical Talk on Microwave Amplifiers and Its Research Issues	ECE	02/11/2018
Guest Lecture on Machine learning and deep learning applications	ECE	05/10/2018
Talk on "Nurture the Future-Empower the Adolescent Girls"	ECE	03/09/2018
ARTF (Almost Ready to Fly)	ECE	18/08/2018
Induction program	ECE	11/08/2018
Motivational Talk	ECE	03/08/2018
Project Exhibition	ECE	13/05/2019
Two Days Workshop on Matlab Signal Processing Applications	ECE	19/11/2018
Inter -Collegiate Mini Project Exhibition	ECE	03/10/2018
Quadcopter Workshop	ECE	01/09/2018
Programming and logical skills	ECE	21/08/2018
FDP ON ASPECTS of effective programming and research	ECE	16/01/2019
Talk on Path Finder-NRI	ECE	27/02/2019

Microsoft certification Courses	ECE	22/02/2019
ROBOTICS	MECHANICAL ENGG.	04/01/2019
BAJA SAEINDIA	MECH	06/03/2019
Microsoft Technology Associate	MECH	22/02/2019
Scope for mechanical engineers in the field of HVAC and Plumbing	MECH	31/10/2018
HVAC Designing	MECH	10/04/2018
Training on ANSYS	MECH	04/04/2019
Seminar on An influential respective on carrier growth	Telecommunication	02/08/2018
Vanquish-2018	Telecommunication	29/09/2018
Workshop on Embedded IOT	Telecommunication	05/10/2018
Guest Lecture on Robotics for Industrial Automation	Telecommunication	10/10/2018
Seminar on seperating wheat	Telecommunication	31/10/2018

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
Governors National Award for Excellence in Research Development	Dr. Dayananda R B	FIRST INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY RESEARCH AND AWARDS CEREMONY, 2017-18, HYDERABAD, TELANGANA STATE, INDIA	10/11/2018	Teacher
Young Scientist award	Mrs. Lakshmi H R	NFED, Coimbatore, Woman Achievers award	08/03/2019	Faculty
Proportional- Integral-derivative contoller on boilers	Mr.Umashankar M	KSCST	08/10/2018	Student project programme
Significant contribution in the field of reserach	Mr.Murulidhar KS	Conference world	10/12/2019	Faculty
Presented Paper won 3rd prize titled Review	Dileep J	Sir.MVIT	25/02/2019	Faculty

on Person Identification using Deep Neural Network at four day National Seminar on Innovations in Science and Engineering.				
Best Project Award titled Smart Hydroponics	Mr. K.Senthil Babu	KSCST	26/07/2019	Best project guide at state level (KSCST)
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Not Applicable	Not applicable	Not applicable	Not applicable	31/07/2019
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Computer Science Engineering	1
Mechanical Engineering	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CSE	41	1
International	ECE	7	1
International	Mechanical	7	1
International	Telecommunication	3	1
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
CSE	7
ECE	17
Mechanical	3
Telecommunication	1

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Cluster Based Deep Neural Network (C-DNN) Approach to Detect Heart Disease	Priyanga.P	Journal of Web engineering Vol. 17,N0.6,3042-3059	2018	0	KSIT	0
Analysis of Machine A Learning Algorithms in Health care to Predict Heart Disease	Priyanga.P	International Journal of Healthcare Information systems and Informatics (IJHSI) Vol13, Issue4 https://www.scimagojr.com/journalsearch.php?q20100195036tpsid	2018	0	KSIT	0
Study on the Factors that Increase the Lead Times in Small and Medium Level Enterprises in IT Sector	Aditya Pai H	International Journal of recent Technology and Engineering Vol 11, Special issues 04 ISSN 1943-023. https://www.scopus.com/sourceid/211008898730	2019	0	KSIT	0
Lung Cancer Survivability Prediction based on Performance Using Clas	Pradeep K.R	ELSEVIER PROCEDIA Computer Science, Science Direct ISSN:1877-050	2018	0	KSIT	0

sification Techniques of Support Vector Machines, C4.5 and Naive Bayes Algorithms for Healthcare Analytics		9				
Cluster Optimization in Wireless Sensor Networks Using Particle Swarm Optimization	Deepa S. R	Springer Nature Singapore Pte Ltd. 2018 J. K. Mandal and D. Sinha (Eds.): CSI 2017 CCIS 836, pp. 240-253, 2018. https://doi.org/10.1007/978-981-13-1343-1_23	2018	0	KSIT	0
Roc Structure Analysis of Lean Software Development in SME's using Mathematical CHAID model	Aditya Pai H	International Journal of recent Technogy and Engineering ISSN :2277-3878	2018	0	KSIT	0
Fisheye state protocol in correlation with power consumption in AD-HOC networks	Dr.P N Sudha	International Journal of Applied Engineering Research Vol. 13, No. 17, pp. 13335-13339, 2018, ISSN :0973-4562 , https://www.ripublication.com/ijaer.htm	2018	0	KSIT	0

Physical layer secret symmetric key generation and management techniques for wireless systems-a study	Dr.P N Sudha	Journal of Applied Science and Comput ations Vol.6, No. 2,pp.136-141 Feb. 2018, ISSN: 1076-5131, http://j-asc.com/gallery/15-february-1922.pdf , http://j-asc.com/ UGC approved journal-41238 (til 1-june-2019), im	2019	0	KSIT	0
IoT based camouflage robot	Dr.P N Sudha	Journal of Emerging T echnologie s and Innovative Research Vol. 6, No. 3,pp 2614-2619, 2019,ISSN: 2349-5162, http://www.jetir.org / impact factor: 5.87	2019	0	KSIT	0
Watchdog for ATM	Dr.P N Sudha	Journal of Applied Science and Comput ations Vol. 6, No .4, pp 2965-2967, 2019, ISSN: 1076-5131 http://j-asc.com/ Impact factor -	2019	0	KSIT	0

[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
Crypto watermarking scheme for tamper detection of medical images	Dr Surekha Borra	Computer Methods in Biomechanics and Biomedical Engineering: Imaging Visualization,	2019	10	0	KSIT
Fragile watermarking for copyright authentication and tamper detection of medical images using compressive sensing (CS) based encryption and contourlet domain processing	Dr Surekha Borra	Multimedia Tools and Applications	2019	52	0	KSIT
A FRT - SVD based blind medical watermarking technique for telemedicine applications	Dr Surekha Borra	International Journal of Digital Crime and Forensics	2019	10	0	KSIT
Lung Cancer Survivability Prediction based on Performance Using Classification Techniques of Support Vector	Pradeep K.R	ELSEVIER PROCEDIA Computer Science	2018	10	0	KSIT

Machines, C4.5 and Naive Bayes Algorithms for Healthcare Analytics						
Cluster Based Deep Neural Network (C-DNN) Approach to Detect Heart Disease	Priyanga.P	Journal of Web engineering	2018	11	0	KSIT
Study on the Factors that Increase the Lead Times in Small and Medium Level Enterprises in IT Sector	Aditya Pai H	International Journal of recent Technogy and Engineering	2019	10	0	KSIT
Analysis of Machine A Learning Algorithms in Health care to Predict Heart Disease	Priyanga.P	International Journal of Healthcare Information systems and Informatic s (IJHSI)	2018	11	0	KSIT
Cluster Optimization in Wireless Sensor Networks Using Particle Swarm Optimization	Deepa S. R	International Journal of recent Technogy and Engineering	2018	10	0	KSIT
Fisheye state protocol in correlation with power consumption in AD-HOC	Dr.P N Sudha	International Journal of Applied Engineering Research	2018	25	0	KSIT

networks						
Real-time facial recognition using deep learning and local binary patterns	Dr Surekha Borra	Springer series on advances in intelligent systems and computing	2018	25	0	KSIT
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	1	12	88
Presented papers	3	1	0	0
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
INDEPENDENCE DAY	KSIT-NSS	126	358
NSS- CAMP at Medamaranhalli	KSIT-NSS	28	75
YOGA DAY	KSIT-NSS	59	347
World Environment day	KSIT-NSS	64	346
FUND COLLECTION FOR KODUGU KERALA FLOOD RELIEF	KSIT-NSS	105	376
GOLDEN JUBILEE CELEBRATION OF NSS	KSIT-NSS	109	382
Dental awareness Camp	KSIT-NSS	102	283
Walkathon Drug Awareness Walk	KSIT-NSS	12	273
Essay competition on consequences of drug abuse	KSIT-NSS	36	321
Republic Day	KSIT-NSS	127	377
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
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Smart India Hackathon	Winners	AICTE,MHRD Govt of India	12
Research	Young Scientist award, Mrs. Lakshmi H R	NFED, Coimbatore, Woman Achievers award, 8th March 2019	1
Paper Presentation	3rd prize	Sir.MVIT	1
Best Project Award titled Smart Hydroponics	Best Project	KSCST	4
View File			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Gender Issue:	KSIT -Lions club	Talk on Nurture the Future-Empower the adolescent girls on 3/9/2018	10	90
AASARE	KSIT IEEE STB	AASARE- Visit to old age home	0	25
YOGA DAY	KSIT-NSS	KSIT College Campus on 21/06/2018	59	347
Swachh Bharat: World Environment day	KSIT-NSS	Thurahalli Forest area 05/06/2018	64	346
Aasare	KSIT IEEE STB	Marathon	26	200
Swachh Bharat: Aasare Cleaning Govt School	KSIT IEEE STB	Cleaning Govt School	0	25
Gender Issue:Womens Safety and Self Defence	KSIT - ORACLE VOLUNTEER	Knowledge Session on International Girls in ICT day on 25/04/2019	10	105
Talk on Social media Network	KSIT IEEE STB	Talk on Social media Network	22	228
View File				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Guest Lecture, East West College of Engineering, Dot	50 students	Nil	1

Net Frame Work for Application Development			
Guest Lecture, East West College of Engineering, Software Engineering	45	Nil	1
Alumni interaction at SJBIT during orientation program for first years on 07/09/2018	100	Nil	1
Invited talk on Memristors and it's applications at KS Polytechnic on 25/01/2019	70	Nil	1
Invited Talk at PES University, Bangalore Applications of Computer Networks	60 students	Nil	1
Invited Talk ACM Compute 2019, Goa Experiential Learning Approach to teaching Computer Networks	120 students	Funded by ACM	1
Invited Talk MS Ramaiah Institute of Technology, Bangalore Man In The Middle attack	60 students	Nil	1
Invited talk DSCE, Bangalore: Software Defined Networking with Machine Learning	60 students	Nil	1
View File			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Temporary	Internship	RAPSOL	01/06/2019	01/08/2019	5
Temporary	Internship	PATHFINDER NRI	01/06/2019	01/08/2019	4

Temporary	Internship	EXPERTS HUB.ORG	01/06/2019	01/08/2019	1
Temporary	Internship	DHATU SOLUTION PRIVATE LIMITED	01/06/2019	01/08/2019	11
Temporary	Internship	CONTRIVER	01/06/2019	01/08/2019	1
Temporary	Internship	CITY SURVEILLANCE SERVICES PVT LTD	01/06/2019	01/08/2019	2
Temporary	Internship	ATSSL	01/06/2019	01/08/2019	7
Temporary	Internship	MPHASIS	01/06/2019	01/08/2019	2
Temporary	Internship	APPRIFY	01/06/2019	01/08/2019	2
Temporary	Internship	AROWANA CONSULTINGS LTD	01/06/2019	01/08/2019	2
View File					

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
Rapsol Technologies Pvt Ltd	05/05/2018	College website maintainance and Internship for students	5
IIIT-Hyderabad	23/01/2019	Internship	2
ATS InfoTech Pvt.Ltd	06/02/2019	MS Course	57
Tequed Labs Pvt Ltd	11/09/2019	Technical Talk	117
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
5700000	5655432

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Existing
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4.2 – Library as a Learning Resource

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

Name of the ILMS	Nature of automation (fully)	Version	Year of automation
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software	or partially)		
Libsoft	Fully	9.8.5	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	31486	7717494	129	90956	31615	7808450
Reference Books	3599	1246041	36	21788	3635	1267829
e-Books	14947	720840	8401	0	23348	720840
Journals	523	1053110	27	55000	550	1108110
e-Journals	32329	8794016	5706	1061500	38035	9855516
Digital Database	0	0	0	0	0	0
CD & Video	972	0	113	0	1085	0
Library Automation	0	50000	9	29500	9	79500

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. K R Jayakumar	Advanced Calculus and Numerical Methods	VTU e-Shikshana	25/02/2019

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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	665	462	0	0	122	17	64	50	0
Added	2	1	0	0	0	1	0	0	0
Total	667	463	0	0	122	18	64	50	0

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

50 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
NIL	Not applicable

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1900000	1885990	9300000	9250010

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

• The college has well furnished and equipped laboratories and classrooms. Every department maintains seminar halls, classrooms and laboratories in specific. The college has staff who oversee the maintenance of buildings, classrooms and laboratories. • College has employed adequate staff to ensure hygienic and clean environment in the campus. Gardeners maintain the landscape in the campus. Pest control measures are undertaken periodically to ensure a pest free zone. • Periodic maintenance of equipment in laboratories is done and non-serviceable equipments are replaced. Maintenance of lifts, CCTV cameras and water purifier is done regularly through Annual Maintenance Contracts (AMC). • The parking facility is well maintained. The campus is monitored through CCTV cameras, placed in areas which cover the entire campus zone. The campus Automation committee monitors the campus area through these surveillance cameras. • Proper inspection methods are employed to verify the stock at the end of every academic year and a stock verification report is generated and maintained. • HODs of each department submit periodic budget for laboratory and department requirements and maintenance. The requirements are evaluated before the beginning of every semester and are approved for execution and smooth running of the departments. • Students are encouraged to participate in sports and games. The college has badminton, volleyball and throw-ball courts and a kabaddi field. The sports committee looks after all the affairs related to sports and games. • All the facilities provided in the college like the laboratories, computers, library are utilized by students and staff for various projects and research activities. • The institution has well developed and maintained website, that reflects all the activities organized and executed in the campus and off the campus. • Conferences, seminars, technical talks and many technical events for students as well as staff are organized and conducted using Conference Hall and various seminar halls. Two Board Rooms, Principal's Office and HODs' Office at department level are used to conduct meetings regularly. • Online Laboratory and Group Discussion Rooms are well maintained and are utilized during recruitment drives by various companies visiting the college. Online laboratories are also utilized for conducting online exams of other universities like BITS Pilani and are also utilized for V.T.U digital valuation. • Internet laboratory is used to conduct many workshops and faculty development programs. It is also used to carry out University exam paper online evaluation. • Students utilize the play ground to practice sports and games. They have participated in various university sports and games and also won many laurels to the college.

<http://ksit.ac.in/naac>

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 - Merit, Economical	123	1773960

	Backward Class, Community		
Financial Support from Other Sources			
a) National	Government Sources - Supernumerary Quota	21	639685
b) International	NIL	0	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
Campus Induction Program for 1st Sem	16/08/2018	334	Seventh Sense
Campus Induction Program for 1st Sem	18/08/2018	334	Seventh Sense
Campus Induction Program for 1st Sem	20/08/2018	334	Seventh Sense
Personality Development Training Program for 3rd Sem	18/09/2018	351	Seventh Sense
Personality Development Training Program for 3rd Sem	19/09/2018	351	Seventh Sense
Personality Development Training Program for 3rd Sem	20/09/2018	351	Seventh Sense
Personality Development Training Program for 3rd Sem	21/09/2018	351	Seventh Sense
Personality Development Training Program for 3rd Sem	22/09/2018	351	Seventh Sense
Personality Development Training Program for 5th Sem	24/09/2018	428	Seventh Sense
Personality Development Training Program for 5th Sem	25/09/2018	428	Seventh Sense
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	CSI AND ALUMNI	0	128	3	79
2018	IEI	0	70	3	79
2018	ISTE	0	76	3	79
2018	ALUMNI	0	125	10	66
2018	ALUMNI	0	132	10	19
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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
1	1	10

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
ABC TECHNOLOGY	11	10	ACCENTURE	3	3
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	BE	ECE	DAYANANDA SAGAR UNIVERSITY	M. TECH
2018	1	BE	ECE	INSTITUTE OF MANAGEMENT STUDIES AND RESEARCH, VIDYANAGAR, HUBBALI	MBA
2018	1	BE	MECH	RAMAIAH UNIVERSITY OF APPLIED SCIENCE	MBA
2018	1	BE	MECH	MANIPAL ACADEMY OF HIGHER	M. TECH IN INDUSTRIAL AUTOMATION

				EDUCATION	AND ROBOTICS
2018	1	BE	MECH	PES UNIVERSITY	M.TECH IN DATA SCIENCE AND MACHINE LEARNING
2018	1	BE	MECH	CONVENTRY UNIVERSITY, UK	MSc IN AUTOMOTIVE ENGINEERING
2018	1	BE	MECH	DAYANANDA SAGAR UNIVERSITY	ME IN DESIGN
2018	1	BE	TCE	LA TROBE - UNIVERSITY, AUSTRALIA	MASTER OF INFORMATION TECHNOLOGY
2018	1	BE	TCE	SAN FRANCISCO STATE UNIVERSITY	MS
2018	1	BE	TCE	UNIVERSITY OF HERTFORDS HIRE	MSc (SW) CYBER SECURITY WITH SANDWICH PLACEMENT
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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
GRE	12
TOFEL	3
Any Other	11
View File	

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

Activity	Level	Number of Participants
CULTURAL FEST - ANANYA	INSTITUTION	200
ANNUAL SPORTS DAY	INSTITUTION	600
VTU KABBADDI (MEN) TOURNAMENT 2018-19	INTER COLLEGIATE BENGALURU SOUTH ZONE	200
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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
2018	2nd BHAVANA	National	1	0	1KS16EC078	SADHVIKA CHANDRA R

	MEMORIAL THROW BALL (WOMEN) TOURNAMENT 2018					
2018	VTU INTER COLLEGE SWIMMING C OMPETITION	National	3	0	1KS16TE018	KARTHIK NARAYAN L
2018	INTERCOLLE GIATE SPORTS SPHYGMUS SOFTBALL TOURNAMENT 2019	National	1	0	1KS17CS062	ROHITH K
2018	THROWBALL (WOMEN) TOURNAMENT 2018-19	National	1	0	1KS18CS015	CHAITRA R
2018	FASHION SHOW IN VEMANA INSTITUTE OF TECHNOLOGY	National	1	0	1KS13ME041	JEEVAN REDDY
2018	FASHION SHOW IN PRANATHI AT JIT	National	1	0	1KS13ME041	JEEVAN REDDY
2018	GROUP SONG	National	1	0	1KS17EC104	VISHAL GOUTHAM N

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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 Student council and students actively involve in various committees. 1.Class Committee - Each UG class has a Committee to review the academic activities, progress and improvement plans of all subjects of all semesters. The committee consists of HOD, Chair person, Class adviser and the students representatives (4 Members/semester/section). The committee will discuss the academic related issues including conduction of classes, question paper pattern and students grievances Guidelines of IQAC and submission of AQAR for Affiliated/Constituent Colleges 2.Professional Bodies - In professional bodies like IEI, ISTE, CSI, IEEE, IETE,SAE, student representatives actively participate by conducting Student conventions, chapters, technical events and quizzes etc with the help of faculty members. 3.News Letter Magazine Committee - Students representatives who are nominated in the editorial board help to collect articles, poems, drawings etc from talented students. They compose, edit and take initiative in printing the news letters at Department level and work for the preparation of magazine at college level. Faculties of the editorial board will guide them in the entire process of printing and releasing the magazine. Students editors also involve in preparing the conference proceedings (National Conference/International), souvenir of student conventions conducted in the Departments. <http://ksit.ac.in/newsletter.html> CSE

http://ksit.ac.in/images/1591952619816_image.pdf ECE
http://ksit.ac.in/images/1592762026243_image.pdf Mechanical
http://ksit.ac.in/images/1591331973250_image.pdf Electronics and
 Telecommunication http://ksit.ac.in/images/1571122287580_image.pdf 4.Cultural
 Committee - The institution conducts annual cultural Fest Ananya, First year
 Inaugural function, Fare Well function through Cultural committee. From all
 departments, students representatives will be the members of Core committee,
 creative committee etc. They will help the faculty in charge in organizing
 these events. <https://www.facebook.com/ananyaksit/> 5.NSS Committee - Students
 contribution to the society is significant and KSIT students always show their
 concern in this regard. There is a NSS unit in the institution and volunteers
 of this committee will organize programs like NSS Camps, Swatch KSIT, Blood
 donation, Red cross etc. <http://ksit.ac.in/nss.html#committee> 6.Sports
 Committee - Every year, KSIT Sports meet will be organized and student
 volunteers will help physical Education Director in organizing team events and
 Individual events. 7.Anti ragging Committee - Student representatives will play
 a major role in informing ragging cases, helping to create harmony and to curb
 ragging. 8.Anti sexual harassment Committee - Girl students and Lady Faculty
 Members will be the members of this Committee. The student members of the
 committee will report about any harassment issues to the concerned Committee
 coordinator for further action. 9.Grievance Committee - Any type of Grievances
 regarding common facilities or academic related issues will be brought to the
 notice of the concerned by the student members of this Committee. Regular
 interactions are scheduled through meetings. If any grievances are reported,
 then faculty member who is the Coordinator of this committee will bring it to
 the notice of higher authorities. Further, the matter will be resolved soon
 through follow ups.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

403

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

<http://ksit.ac.in/alumni.html#events> 1. The Annual alumni meet was organized on
 4th November 2018 and total 102 participated in the whole day events.
 Mr.Bharath Bellur, Alumni of 2006 and currently working as Program Manager,
 Robert Bosch Engineering was present as the Chief Guest for the Alumni Meet.
 Mr.Guru Sharan an Alumni of 2014 working as Software Engineer, Walgreens,
 Washington was present as Guest of Honor. Sri.Y.Ramachandra Naidu, President of
 Kammavari Sangham presided over the function and Sri.D.Rukmangada, Honorary
 Treasurer Kammavari Sangham also graced the occasion. Dr.T.V.Govindaraju
 Principal of K.S.I.T and Rector of the Alumni Association also graced the
 occasion. 2. On 7th March CSE department has arranged a career Guidance/
 Internship awareness program . Resource Person Mr. Gurusharan, Alumni of ECE
 and 6th Semester students participated. 3. Department of ECE has organized a
 career Guidance/Internship awareness Program by Mr. Gurusharan, Alumni of ECE
 department. 4. Department of Electronics and Telecommunication department has
 arranged a career guidance program for 5th and 7th Semesters. Alumni Mr. Satya
 Pramod Bhat Mr. Vikas Naga Prasanna were the resource persons. 5. On 5th to th

October a work shop on Embedded IOT is conducted by Innversa Technosoft under alumni banner of Electronics and Telecommunication department. 1 <http://ksit.ac.in/alumni.html#events> 1. The Annual alumni meet was organized on 4th November 2018 and total 102 participated in the whole day events. Mr. Bharath Bellur, Alumni of 2006 and currently working as Program Manager, Robert Bosch Engineering was present as the Chief Guest for the Alumni Meet. Mr. Guru Sharan an Alumni of 2014 working as Software Engineer, Walgreens, Washington was present as Guest of Honor. Sri. Y. Ramachandra Naidu, President of Kammavari Sangham presided over the function and Sri. D. Rukmangada, Honorary Treasurer Kammavari Sangham also graced the occasion. Dr. T. V. Govindaraju Principal of K. S. I. T and Rector of the Alumni Association also graced the occasion. 2. On 7th March CSE department has arranged a career Guidance/ Internship awareness program. Resource Person Mr. Gurusharan, Alumni of ECE and 6th Semester students participated. 3. Department of ECE has organized a career Guidance/ Internship awareness Program by Mr. Gurusharan, Alumni of ECE department. 4. Department of Electronics and Telecommunication department has arranged a career guidance program for 5th and 7th Semesters. Alumni Mr. Satya Pramod Bhat Mr. Vikas Naga Prasanna were the resource persons. 5. On 5th to 10th October a work shop on Embedded IOT is conducted by Innversa Technosoft under alumni banner of Electronics and Telecommunication department.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

- The institution encouraged a culture of active participation by including all the stakeholders in all activities. Few practices of decentralization and participative management are listed below. 1. Annual Budget: Annual budget for the academic year 2018-19 was framed by institutional head, giving instructions to HODs. Head of the Department conducted departmental meeting and informed faculties to provide annual budget required for the academic year for their laboratory accessories or any requirements for the department. All departmental budget requirements were reported by the concerned faculty, which was authenticated by HOD and submitted to the principal, which was forwarded to the management. Total Annual Budget requested was 1649.41 Lakhs for the academic year 2018-19. Institutional management approved total budget of 1600.00 Lakhs. This Budget was utilized by all departments (CSE, ECE, Mechanical, TCE, BSH) for Recurring and Non-recurring Expenditures such as Purchase of new equipments, Alterations required to labs, staff rooms, office, Furniture, Computers and support systems, Software, Departmental and RD Consumables, College Level Events, etc. Total expenditure for the academic year 2018-19 was 1243.00 Lakhs by all the departments and college level events. 2. Various programs conducted during academic year 2018-19: Sports Day: Annual Sports Day 2018-19 was held on 16th March 2019 at UCPE Stadium, Bangalore University. Chief Guest Mr. Rudresh B, Journalist (Senior Producer TV-9), Kho-Kho Player with Management Heads inaugurated the event 10 events were conducted for Men and 8 events for women. 680 students were participated in events. From Men category, Mr. Prajwal Krishna from mechanical engineering branch became overall champion. From Women category, Ms. Sadhika Chandra R from EC department became overall champion. Project Exhibition 2018-19: Project exhibition for final year students along with mini project was conducted on 13th May 2019. Management Heads inaugurated the event and encouraged participants. Eminent personalities in the field of academics and Industry were invited. Dr. K Chandrashekar, Mr. Srinivasan, Dr. S V Sheela, Mr. Chethan M, Dr. Venkateshwarulu, Dr. Krishnamurthy N, Dr. Jayanthi M, Mr. Mahesh Nayaka M. A. were the evaluators of the event for ECE, CSE, TCE Mechanical respectively. There were 111 teams (4 departments), with around 3-4 students in a team. Judges of each department

announced the best project. Alumni Meet 2018-19: This event was held on 4th November 2018 in KSIT conference hall at 11.00 am. Management Heads were present in the occasion and supported by all means. Mr. Bharath Bellur, Alumni of 2006 and currently working as Program Manager, Robert Bosch Engineering was the Chief Guest for the Alumni Meet. Ananya 2018-19: Institution Cultural Fest "Ananya" was held on 30th March, 2019 with the theme "Media". Chief Guest Mr. Gaurish Akki, a well-known TV anchor, inaugurated function with Management Heads. The main attraction was the film actor Garuda Ram, who was present in the evening event. Total of around 24 plus events were organized in a customized weeklong programme starting from 25th to 30th March, 2019.

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

No

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	The curriculum was prescribed by the affiliating university namely, Visvesvaraya Technical University (VTU), Belgaum. The curriculum undergoes a revision once in four years in the normal course. During every revision the tentative syllabus that was finalized by the Board of Studies is announced on the university website. The concerned faculty are welcome to give suggestions which are sent by each department from the institution to the university which is forwarded to concerned BOS. Thus the institution encourages our faculty to contribute to enrich the curriculum during the course of its revision. This was carried out by communicating to the university during the process of finalizing the revised curriculum.
Teaching and Learning	The faculty carefully designs the delivery content, student participation activities and the assignments to be completed by the students during the semester for every subject. They go about implementing their plans to the last detail. A continuous evaluation of the progress of students has been adopted. As a part of continuous evaluation process three internal assessment tests are conducted apart from other methods of evaluation by the faculty. The institution has adapted to put into practice a novel idea in teaching-learning process, using different Pedagogy types to make teaching learning more effective.
Examination and Evaluation	The University adopted online Question Paper Distribution System (QPDS) for

semester end exams for all affiliated colleges. QPDS is adopted to conduct Semester End Examination (SEE), in which question paper will be sent online by VTU just half an hour before the commencement of exams and evaluation will be done by using Digital Valuation System (DVS). Continuous Internal Evaluation (CIE) will be taken care by setting two Question papers for each course and one will be selected by the Principal and that will be handed over to test coordinator who will make all the arrangements to administer the question paper.

Research and Development

The institution has engaged in research and development with 4 VTU approved research centers to facilitate faculty to pursue research activities and executing sponsored projects. Students in particular can work on current technology through mini-projects and experiments in identified areas beyond the coverage of the syllabus thereby they acquire the knowledge/skills. The mini and the final year major projects are exhibited on a "Project Exhibition Day" every year. The alumni and industrialists are invited to evaluate the projects to reward the select projects.

Library, ICT and Physical Infrastructure / Instrumentation

The digital library was reinforced with latest version computers. The library Management software Libsoft is upgraded to 9.8.5. As a member of VTU-Consortium, the institution was licensed to access the e-Resources for the year 2018-19. Newer editions of Library books as per VTU syllabus is upgraded. In the academic year 2018-19 one of the ECE department classroom is ICT enabled which makes the classes more interactive. As per the revised syllabus new equipments have been purchased for laboratories Furniture and accessories have been upgraded in office and administration sections

Human Resource Management

Recruitment is made as per requirement through advertisements. The resumes will be collected and scrutinized as per requirements and shortlisted candidates will be called for interview. The selected member will be called for second round with the management. The selected candidates will be offered an appointment letter.

Industry Interaction / Collaboration	The institution continued to propagate industry connect through: 1) Technical talks / Invited seminars 2) Industry visits / tours 3) Students' project work / internships 4) MOU (Memorandum of Understanding) During the academic year 2018-19 the MOU with CMTI was renewed. We have also conducted many events in collaboration with MoU signed industries regularly.
Admission of Students	The institution followed the admission as per government rules by considering the students through CET, COMED-K and Management quota. Concession of fees was provided to the students admitted through Management quota, Community students, economically poor students and outstanding students.

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

E-governance area	Details
Planning and Development	No
Administration	No
Finance and Accounts	The institution uses Tally software to maintain and manage the inflow and outflow of the finances. The accounting starting from the foundation entries till production of statement of accounts and financial reports required for strategic management, in particular strategic planning was produced through usage of Tally software.
Student Admission and Support	Student Admission: No Support: Institution is using PUPILPOD platform as a communication portal to maintain constant communication with the parents and students. A parent, staff and student login is exclusively provided in the PUPILPOD portal for sharing of pertinent information like attendance and academic performance of the student. Regular attendance information will be updated and absentee information is also sent to each parent through SMS for every hour. Students will give their feedback on staff in the PUPILPOD portal twice in the semester. Subject Notes, Power Point Presentations of the Subject, Assignments, Question Bank of Each Modules are available in the PUPILPOD Portal. It helps students in downloading the files whenever required.
Examination	VTU will conduct examinations through

QPDS which is an online process. It is software installed by University for smooth conduction of examinations. Question papers will be uploaded through this software just half an hour before the commencement of examinations and the question papers are printed in accordance with the indent placed with the University.

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	Mrs. Jayasudha BSK	AISYWC 2018	NA	2138
2018	Mrs.Sangeeta V	Emerging technologies in short range wire less coomunication	NA	1500
2018	Dr. Chanda V Reddy	Indian Technology Congress -2018	NA	3000
2019	Ms. Swetha B N	FDP on IOT based project design development	NA	2000
2018	Mrs.Sahana salagare	National symposium	NA	750
2018	Dr.P N Sudha	Indian Technology Congress To build small satellite Program	NA	3000
2018	Dr. Surekha	Machine Learning Techniques and Tools	NA	1180
2019	Mr. Praveen A, Dr. Dayananda	IIIT Hyderabad's Annual RD	NA	15600
2019	Mr. Sunil Kumar	Garut Boeing Aeromodelling Competition	NA	22500
2019	Dr. Surekha	Faculty Development Programme on IOT Based Project design	NA	2000

and development

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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)
2019	Outcome Based Education -NBA	NA	17/07/2019	19/12/2019	76	0
2019	Matlab and Latex	NA	24/07/2019	26/07/2019	29	0
2018	Matlab For signal Processing Applications	NA	19/11/2018	20/11/2018	9	0
2019	NA	Involve to Evolve	28/03/2019	28/03/2019	0	40

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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
Developing and Deploying Deep learning applications using Matlab	1	28/11/2019	28/11/2019	1
Bites Annual Convention	1	23/11/2019	24/11/2019	2
Matlab For signal Processing Applications	4	19/11/2019	20/11/2019	2
Advanced concepts of automotive Technology	1	20/10/2019	22/10/2019	3
BITES Annual convention-2018	3	23/11/2019	24/11/2019	2
Advanced research trends in speech and	1	21/01/2019	25/01/2019	5

image processing				
Computational methods for partial differential equations using MATLAB	1	10/06/2019	14/06/2019	5
IoT based project design and developemeyt	1	24/06/2019	26/06/2019	3
Research Methodology	1	26/07/2019	04/08/2019	10
state of Art in Rf and wireless communication Design	1	29/07/2019	02/08/2019	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
17	17	2	2

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
8	10	2

6.4 – Financial Management and Resource Mobilization

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

Institution has well experienced auditors who audit the Institutional financial accounts annually. Mr. G Doraswamy Naidu and Mr. L Krishna Murthy company are external auditors. Internal auditing mainly focuses on the following aspects i.e., expenditures, is amount delivered according to the governing rules and regulation, how funds are utilized and are receipts given and maintained. Institution accurately maintains documents relating to financial aspects. Institution assets and liabilities are evaluated and documented. The details of receipts and payments are maintained. Details of depreciation are tabulated and verified. Finally an audit report is done. The sanctioned budget and expenditure for the year 2018-19 is 1600.00 Lakhs and 1243.00 Lakhs respectively.

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
Apple Fitness, HellodocUnotrack , Neem Tree Software Solution SLLP , Quarter Coffee, TAQUED , Roopa IIHT sponser , Vinuthashree M	263295	Sentinel Hackathon 1.0, Machine Learning, Indian Technology Congress-2018, Two Days Workshop on Internet of Things and Its Applications, Best

Behalf of Rajathadri palace , CSI Amount, KSIT CSI Student Branch , Storm learning , WeVysya , Cafe Forged , Startup su	Paper Award, SAE BAJA, Reimbursement for events conducted under IEEE banner, AICTE MODEL CURRICULUM IMPLIMENTATION, ISTAM CONFERENCE
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6.4.3 – Total corpus fund generated

000

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	KSSEM, Bangalore-560109	Yes	HOD and AUDIT committees of various Depts.
Administrative	Yes	L.Krishnamoorthy and CO	Yes	Principal

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

1. Students were Counselling on various aspects like backlogs, IA marks and attendance shortage on 3.4.2019 for 4th 6th and 8th semesters between 2-4 PM
2. Students were Counselling on various aspects like backlogs, IA marks and attendance shortage on 3.10.2018 for 4th 6th and 8th semesters between 2-4 PM
3. Students were Counselling on various aspects like backlogs, IA marks and attendance shortage on 25.3.2019 for 4th 6th and 8th semesters between 2-4 PM

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

1. To ensure safety and security of the college, operation of different FIRE extinguishers were demonstrated to the staff in the college campus.
2. The Workshop was organised for support staff on 28.03.2019 titled INVOLVE TO EVOLVE at KSIT in association with BITES.
3. ONLINE training and development courses were done by few support staff at KSIT.

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

1. NBA Self Assessment Report is submitted to NBA.
2. CO PO attainment process is updated
3. The institution assesses the learning levels of the students after admission and organizes special Programs for advanced learners and slow learners

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

2019	0	1	01/03/2019	1	5K RUN	To provide School/ Educational stationaries for underprivileged students	200
2019	0	1	07/03/2019	1	COMPUTER AWARENESS PROGRAM	To provide an exposure to the usage of computers and its applications	150

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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)
Code of Conduct	01/06/2018	<p>K.S. Institute of Technology, an esteemed institution gives utmost importance in maintaining the dignity and decorum of the institute at all times. Code of conduct and discipline form the important virtue of this institute. Code of conduct is defined for all members of the institution to Principal, teachers, students and support staff.</p> <p>Professional ethics for teachers, dress code for both teachers and students are defined clearly and is been followed strictly.</p> <p>Teachers imbibe moral values to students, to enhance the holistic development of students.</p>

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
NSS Camp at Medamaranhalli - Sankalpa	12/07/2018	18/07/2018	103
Independence Day	15/08/2018	15/08/2018	484

NSS - Fund Collection For Kodugu Kerla	20/08/2018	22/08/2018	481
Golden Jubilee Celebrations of NSS	13/10/2018	13/10/2018	491
Drug Awareness Walk	10/11/2018	10/11/2018	285
Republic Day	26/01/2019	26/01/2019	504
Computer Awareness Program	07/03/2019	07/03/2019	358
Dental Awareness and Free Scanning Camp	03/11/2018	03/11/2018	385
Blood Donation Camp	14/03/2019	14/03/2019	504
Essay Competition on Consequences of drug abuse	17/12/2018	17/12/2018	357
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

<ul style="list-style-type: none"> • Land o The designated land is used only for educational activities as per the norms of AICTE and Government of Karnataka. The college land does not obstruct natural drain nor interfere with any river, forest, wetland and etc.
<ul style="list-style-type: none"> • Parking o Most of the staff and students use either public or college transport. Staff and Students using their own vehicles us the basement of New Block within the college premises where there are two parking lots-Level 0 and Level-1. Level-0 is dedicated for students' vehicle and Level-1 is dedicated for staff along with physically challenged persons (if any).
<p>Flora Fauna o Different plant types like herbs, shrubs, and trees are planted in the college campus. o There is no thick forest or vegetation in and around the college, so there is absence of any wild life in the campus. Few birds like Pigeon, Sparrow, Crow, Cuckoo, Lizards, Squirrel, and Snakes are found in the campus.</p>
<ul style="list-style-type: none"> • Socio-Economic o The college provides employment to the lower strata of the society in utilizing their services for housekeeping, gardening, canteen and security.
<ul style="list-style-type: none"> • Solid Waste Management o Institutional wastes and Domestic wastes are collected in dry and wet bins about 100 bins are used to collect these wastes. In each floor of the buildings 2 bins are placed in all the corners and these wastes are collected by the private contractor/ BBMP.
<ul style="list-style-type: none"> • Use of more LEDs o Gradually CFLs are being replaced with LED bulbs that are not only energy efficient but also not environment hazardous.
<p>Digital Communication o All official communications are through emails. All academic and other communications to staff, students and parents are done through the Pupilpod platform. This minimizes the usage of paper.</p>
<ul style="list-style-type: none"> • Air Emission Noise Level o The college has installed 250 KVA150 KVA noise free Diesel Generator, and 265 KVA UPS for power backup. So, air emission noise level are at the permissible level.
<ul style="list-style-type: none"> • Water o Water Requirement–Potable and domestic water requirement for the college is pumped from groundwater using bore wells situated in the campus. A centralized water purifier is installed for drinking purpose. The Rooftop rain

water is collected and is used for ground water recharge. o Sewage disposal- Sewage is disposed through sewer system connected to the underground drainage system maintained by local government authorities (Bangalore Water Supply and Sewerage Board).

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice: 1 1. Title of the Practice: Academic Enhancement and Student Augmentation 2. Objectives of the Practice: The institution strongly believes in ensuring all round development of its students, thereby preparing its students for both their professional careers as well as personal lives. To realize this, the institution constituted Academic Advisory Board (AAB) at the Group level to advise the Management in all academic matters. The board is chaired Prof. H.P.Khincha, Former Vice Chancellor of Visvesvaraya Technological University and other renowned academicians and a practitioner. The board provides academic guidance to faculty, HODs, principals and all other functionaries. The board also looks into the quality assurance of academic environment in the institution. 3. The context: Every institution today is facing a lot of challenges in preparing their students to face the challenges thrown up by both their user systems as well as the society at large. The user systems expect the institutions to develop their students to be more and more employable while the society expects the institutions to make these students better citizens. Many of the soft skills that were being imparted at home in the past are now expected to be given in the institutions during their four years of stay. It is, with this in mind, the institution has designed a comprehensive program for the students that concentrate both on hard skills as well as soft skills. 4. The Practice: The institution has a strong Placement and Training Centre that is responsible for handling continuous training. On an average one week in every semester is dedicated to the additional training that is imparted. The spectrum of inputs covered in these programs includes: First year / First Semester: Introduction to Engineering Team Building Smart Goal Setting Time Management Aligning the SOW Building SOP. First Year/ Second Semester: Self introduction and self confidence Corporate Etiquettes Organizing speech Decision Making Presentation Skills Assertive Communication Positive Attitude and Stress Management Second Year / Third Semester: Probability Analytical puzzles Interpersonal Skills Problem Solving and Decision Making Business Communication Blood Relations Phrases and Idioms Jam Sessions Clocks Letters series and Number series: Time, Speed and Distance. Second Year / Fourth Semester: Partnership Seven Cs of Communication Average and Percentage Speed Map Personal Branding Resume Writing People Management e-mail writing Group Discussion and Conflict resolution. Third year/ Fifth Semester: Probability Analytical puzzles Interpersonal Skills Problem Solving and Decision Making Business Communication Blood Relations Phrases and Idioms Jam Sessions Clocks Letters series and Number series: Time, Speed and Distance. Third Year / Sixth Semester: SOFT SKILLS: Group Discussion Interview Skills Sitting Arrangements e-mail writing Directions Resume Writing Profit and Loss Corporate Ethics Learning Styles Partnership Subject - Verb agreement Averages Communication Enhancement Percentage Negotiation Skills. HARD SKILLS: Signal and Systems Digital Communication, Microcontrollers, etc Basic and Advanced C and C++, Advanced J2EE Web Programming, Data Structure etc. Design of Machine IC Engine Heat Exchangers, Springs, Belt, Ropes and Chains etc. Fourth Year / Seventh Semester: SOFT SKILLS: Group Discussion, Sentence Completion, Reading comprehension, Personal Interview, Antonym and Synonym, Percentage- profit and loss, Sentence Correction, Logical Reasoning, Direction Sense Test, Para Jumbles, Cubes and Venn Diagram, Averages, Ratio and Proportions, Progressions, Resume Building, Error Deduction, Time Management and Presentation Skills. HARD SKILLS: C-Programming Computer Networks, Data Interpretation and Data

Structures. In addition to these, Company Specific Training Programs have been organized. Online assessment and Online Practice Test are conducted. • The institute has a practice of procuring the photo copy of answer books of its students who have secured the highest marks (>80) in all the subjects and these copies are made available in the Library for reference by students and faculty.

• The institute awards cash prize for the toppers for each branch in every year. Cash Awards are given to the best outgoing final year student among all branches. The university rank holders are honored with institutional gold medal. • The institution conducts a project exhibition cum competition during which an external panel of judges evaluates the projects and selects the top three projects in each branch. The project that emerges first and second will be awarded with a cash prize and a certificate. • There is an unwritten policy to issue additional books from the Library to meritorious students. Lists of these students are prepared in the beginning of every semester based on the University results and given to the Library to operate this facility. • The campus is Wi-Fi enabled. • The institution regularly maintains online communication with the parents to keep them updated about the performance of their wards. • The institution has a mentoring system for every student. Every student is given a Student Register in which he fills up all the information and hand it over their respective mentor. For every twenty students a mentor is identified by the concerned head and the student remains with that mentor though out his/her stay in the institution. After every internal test and semester end exam the students are counseled. A meeting with the parents along with HOD and Principal will be convened if the student performance is poor. •

Technical training is imparted by our Alumni and other experts to students participating in various state and national level competitions 5. Evidence of success: 1. Good percentage of eligible students in the institution are placed in various industries. 2. All branches have obtained ranks in the University examinations . 3. Students of the Mechanical Engineering participated in the BAJA and got second place in the state. 4. Students of the Computer Science and Engineering participated in SMART INDIA HACKATHON organized by MHRD, GOI. In 2017, they secured first prize (Cash prize of Rs. One Lakh) in Department of Post and Communication. This was followed by a sanction of a project (Rs. Three Lakhs) for post development. In 2018, they secured first prize of Rs. One Lakh from the Ministry of Railways and second prize of Rs. 75,000/- from the Department of Telecommunication . 5. This Institution got Rs. One Lakh cash prize from the University for sports excellence. 6. The institutional results are always well above the University average. 7. Two university ranks were secured by Computer Science and Engineering department in the year 2018. 6.

Problems Encountered and Resources Required: Recruitment scenario needs to be strengthened . Training inputs are to be enhanced to prepare our students for various competitions at state and national level. Sports facilities are to be improved. Best Practice: 2 1. Title of the Practice: Faculty Development.

2. Objectives of the Practice: To attract and retain highly qualified, experienced and committed faculty. To realize this, two renowned Key Resource Persons were appointed. They frequently organize Faculty Development Program (FDP) to enhance the knowledge of the faculties. They further organize Academia-Industry interaction programs where reputed industry personalities share their experiences with the faculty members of the institution. 3. The context: Besides students, faculty play a very important role in an educational institution. They need to be selected as per norms and developed to excel in their profession. Further these faculties will have to be retained. In order to achieve these goals, the institution has the following strategies. 4. The Practice: The institute honors each and every staff who completes 10 years of service. The institute honors all the faculty who secure 100 results in University exams. The institution encourage the faculty to complete their Ph.D. by giving concessions in their Time Table. Faculty are encouraged to attend faculty development programs, conferences, workshops and seminars. The

institute also grants marriage leave of 10 fully paid days for young staff who get married. 5. Evidence of success: Numbers of faculty registering and pursuing Ph.D. degree is on the rise. Number of papers have been published in national and international journals. Our faculty have given lecturers in EDUSAT Program of Visvesvaraya Technological University. Our faculty have been awarded by various organizations for their excellence. 6. Problems Encountered and Resources Required: The institution needs to enhance computing facilities to all the faculty. The institute needs to organize more workshops and conferences. Contact Details: Name of the Principal: Dr. T. V. Govindaraju Name of the Institution: K. S. INSTITUTE OF TECHNOLOGY City: Bengaluru Pin Code: 560109 Accredited Status: NAAC Accredited Validity Period: 5 Yrs Work Phone: 080-28435722 Website: ksit.ac.in E -mail: principal@ksit.edu.in Mobile: 9663778001

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

<http://www.ksit.ac.in/naac>

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

Institute commits itself for quality technical education and aims at ensuring that a deserving student is not deprived of an opportunity solely on socio economic constraints. The institute also believes in the overall development of its students who can be a meaningful part of any organization they may join. In order to ensure this objective, the institute focusses on two distinctive areas: Student Training: The institute has realized the importance of training for any student who joins this institution. The training program spreads across 7 semesters starting from first semester to seventh semester. The EVENTS TRAINING PROGRAM ORGANISED has been listed below: 1 Campus Induction Program for 1st semester 2 Personality Development Training Program 3rd, 5th, 7th semester students. 3 Xcelerator Summer Internship Program for 6th semester Company Specific training for Final years by Seventh Sense and ABC Technology 1. TCS 2. Mu-Sigma 3. Infosys 4. LT INFOTECH 5. NTT DATA 6. BOOT STRAP SESSION Online Assessment Test has been conducted for seventh semester students by specific vendors 1. AMCAT 2. First Naukri.com 3. FresherWorld.com Professional Development: The Institution strongly believes that professional inputs from professional bodies like ISTE, IEI, CSI, IETE, IEEE, SAE, IFI will imbibe better professionalism in our students. KSIT has CSI Academic Institution Membership since 2014 till date. The Institution provides CSI membership to students for a period of 2 years. Workshops, technical talks, seminars, guest lectures, FDPs's, student conventions are conducted under CSI banner regularly. Sentinel Hack 2.0 '24-hour State Level Hackathon' has been conducted with joint venture of CSI and The FIREFOX CLUB. IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. KSIT IEEE student branch is active since 2013. IEEE student branch along with WIE (Women in Engineering) affinity group is formed with the quest of achieving our technical and professional goals with IEEE's mission and vision. KSIT IEEE student branch received Best Student Branch award for the year 2017-18. The IETE Students Forum (ISF) was started at K.S. Institute of Technology in 2015. Since then ISF has been vibrant in conducting various events such as technical seminars, workshops, guest lectures, etc. Our Students are encouraged and motivated to participate in prestigious Smart India Hackathon from 2016 and won Several Prizes in Ministry of Post, Railways, Telecommunications, Power, Aviation and appreciation. Team Redline racing from Mechanical Department has successfully designed and fabricated an off-road buggy for a competition conducted by BAJA SAE INDIA, and team won several prizes and recognition on

reputed platforms. Prodigy racers is a motor sport team founded in 2015 and each year the team have been participating in the National Level Competitions. Mentoring for students by faculty members has developed systematic road map for students to attain personal and professional ethics in the busy schedule-as morals and ethics play a vital role in development of individual and contribution for the nation.

Provide the weblink of the institution

<http://www.ksit.ac.in/naac>

8.Future Plans of Actions for Next Academic Year

Future Plans of action for next academic year: • The inauguration for the first semester classes 2019-20 is contemplated to be held in the first week of the August 2019. • For the students who have passed out from the college Alumni meet will be held in the month of November 2019. • During the odd semester break it is proposed to conduct one week camp by the NSS committee of the college. • To donate blood is to save lives a blood donation camp is part of social service is decided to be held in the month of March 2019. • To award degree certificates to the batch of 2017-18 is proposed to conduct Graduation day in the month of February or March. • To encourage the extracurricular activities and showcase the hidden talent of students, the sports day will be held in the month of March and cultural day 'Ananya' in the month of April. • The Indian society for technical education (ISTE) has decided to conduct a state level convention on 22nd February 2019. • To enhance the technical skills of the student's National conference and project exhibition is planned to be organized in the month of April and May respectively. • Faculty development program for different branches schedule as under:- ? Electronics and Communication Engineering- Three Days FDP on outcome based NBA in the month of July, Mini project exhibition in the month of October, Five-day Academic Development Program organized by BITES and IEEE KSIT in the month of January, International Women's Day Celebration in the month of March 2020 and many more. ? Computer Science and Engineering- More emphasis will be given to Research activities by providing support to research scholars by organizing faculty development programs, National level events will be hosted under the banner of professional bodies - CSI, ISTE, IEI and BITES by the department - Probable months of the conduction of events will be - Technical Talk on Internet of Things, Web and User Interface Development, Guest Lecture on Hyper local content with GAIUS Networks , Seminar on Industry 4.0, Smart India Hackathon during September 2019. State level 24 hours coding contest-Sentinel Hack 2.0 during November 2019. Cyber security, Block chain during March 2020. VMware virtualization workshop during April 2020. Cracking Code, Internship Talk, Career Guidance during May 2020. ? Mechanical Engineering-Three Day Faculty Development Program on "MATLAB LATEX" in the month of July, Technical Training Programme for 7th Semester Students in the month of August, Student Chapter of "The Institute of Indian Foundry men" in the month of September, Workshop on Fundamentals of GDT, hands on training on 2D 3D drawing using AUTO Cad software in the month of January 2020 and many more. ? Telecommunication Engineering-Talk on "Internet of things and thingWorx" in the month of October, Vanquish-19 (IETE) in the month of September, Activity on Speaking skills in the month of February 2020, Technical Talk on "Fundamental of Radar and Digital Processing "in the month of March 2020 .