



# **SELF STUDY REPORT**

**FOR**

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

**K. S. INSTITUTE OF TECHNOLOGY**

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**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

The Kammavari Sangham, a multi-activity non-profit oriented voluntary service organization, was established in the year 1952 with the sole objective of providing charitable service to community and society. The Sangham has diversified its activities since its establishment over five decades ago. With a firm belief that quality and meaningful education only can lay the strong foundation for bringing about economic and social changes to the lives of thousand, the Sangham went about establishing educational institutions, starting with K.S. Polytechnic in 1992. Enthused with this success of its foray into technical education, the Sangham moved forward by starting the K.S. Institute of Technology (KSIT), its Engineering Colleges in the year 1999. Further, the Sangham has taken initiative in starting K.S. School of Engineering and Management in the year 2010 and K.S. School of Architecture in the year 2014.

KSIT's strength lies in its founding objectives, the eminence of its management who are experienced men drawn from various fields, the coming together of dedicated, experienced and well qualified teaching staff, the establishment of a modern infrastructure with state-of-art equipment and laboratory facilities and the interactive relationship its forged with the industry.

KSIT is offering four courses namely **Mechanical Engineering, Electronics and Communication Engineering, Computer Science Engineering and Telecommunication Engineering**. Excellent academic performance in the University examinations in all the years so far gives the institution the impetus to embark upon post graduate programmes and the establishment of research centres. Establishment of these institutions will be a quick reality with hundreds of the Sangham members contributing generously.

Set on the mission to excel in every activity that the Sangham has embarked upon, KSIT carries forward the Sangham's vision under an eminent Governing Council, and an inspiring academic leadership translated in the enviable academic performance of its students.

The objective of the management committee of KSIT is to impart quality education and to help students to develop the abilities of problem solving, creative thinking and adaptability in their chosen field.

### Vision

- To impart quality technical education with ethical values, employable skills and research to achieve excellence.

### Mission

- To attract and retain highly qualified, experienced and committed faculty.
- To create relevant infrastructure.
- Network with industry and premier institutions to encourage emergence of new ideas by providing Research & Development facilities to strive for academic excellence.
- To inculcate professional and ethical values among young students with employable skills and

knowledge acquired to transform the society.

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

### **Institutional Strength**

The institution has very advantageous location and good visibility. The institution has a good connectivity by road and on the metro line. The institution operates a fleet of buses for the benefit of both students and staff.

The institution has a well planned building with adequate floor space in excess of norms for classrooms, Labs and common areas. All the buildings are well ventilated and illuminated. The building provides well accommodated staff rooms, separate Boys and Girls Common Rooms with adequate common areas. There is a good canteen facility that support the catering needs of the students and staff. The Institution has well equipped seminar halls, one for each department and a Conference Hall with 200 seating capacity. The institution also has a good hostel facility for both boys and girls.

The Institution has a well established placement centre that is supported by an online examination / testing facility with 200 capacity and separate GD rooms. The placement centre is very active in providing training from semester 1 to Semester 8 and ensuring that our students have an overall development.

The institution has a good academic environment with dedicated and experienced faculty. The faculty retention is also good. The institution has very good study environment with good discipline and no fear of ragging or any other disruptive behaviors. There is a well equipped Library that is very supportive to the student and faculty needs and caters to access to e-journals and NPTEL and other e-learning resources (VTU Consortium). Faculty are encouraged to participate in various academic activities.

The student chapters of professional clubs are very active and have won appreciations from the professional bodies. The practice of conducting Project exhibition and evaluation from external judges motivate the students to give their best. Students also participate in seminars/workshops/guest lectures. The NSS wing is also very active sensitizing our students to social responsibility as well as Swatch Bharath Abhiyan. Our students have won accolades in the Smart India Hackathon which is a national level event.

Alumni interaction is arranged every year and alumni are contributing for the development of the institution.

### **Institutional Weakness**

The admissions figures are reducing year after year with the advent of private Universities. This is even being reflected in the low CET rank students who are seeking admissions. This has its impact on dwindling number of eligible students available for placements and attracting core companies for placements. The Alumni response is also yet to pick up. Alumni activities and association is formally to be registered.

Though the teaching faculty are well qualified, it is very difficult to attract and retain qualified non-teaching and support staff. Opportunities for training and development of teaching and non-teaching faculty are very limited. There is some inertia for organizational changes. The employee welfare measures in the organization are weak. Adequate health and group insurance are not available

The ICT facilities have many limitations of band width. The campus automation is also limited. There is no adequate primary health care. Library does not have a plagiarism software. There is limited scope for developing the sport facility – both indoor and outdoor. Auditorium is not yet operational.

Though three of the four departments are approved research centres there is a lot to be improved in terms of research infrastructure. Some of the equipment in the laboratories are obsolete. There are no Centers of excellence.

The institution does not have a separate Industry- Institution Interaction Cell. The consultancy opportunities are limited. The institutional memberships are limited. The current bus facility is inadequate to cater to the Industrial visits and educational tours.

### **Institutional Opportunity**

The institution has a good opportunity to apply and get accredited. The institution can strive for improving both quality and quantity of admissions. The institution has to now concentrate on branding and creating an image as one of the good institutes in the vicinity. The existing ICT facility could be enhanced. The indoor sports facility also could be improved with all the constraints. Some support functions of the institute could be streamlined in a better way. The departments could write a number of project proposals and submit to the funding agencies. The institution could utilize the available talent in the city's industry and arrange a number of guest lectures.

### **Institutional Challenge**

The institution has to combat the falling admissions and has to improve on this front. The institution has to face the challenges posed by the Private University and Autonomous institutions. The institution has to strive for improving the student quality. The institution has to get accredited and participate in the NIRF. The institution also has to try and get more sponsorships for FDPs and other student activities. The institutions has to put efforts in transforming the internships to placements.

The Institution has to concentrate on identifying all the equipment that are obsolete and remove such obsolescence.

There is a very hectic academic schedule that is really curtailing the research efforts of the faculty. The institution has to now focus on both patents and project consultancy.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

The Institute is affiliated to the **Visvesvaraya Technological University (VTU)**, Belgaum-Karnataka and follows the curriculum provided by the University. Faculty members actively participates in the curriculum design by participating in the syllabus revision workshops in which members of Board of Studies and senior faculty from various Engineering institutes are invited and share their ideas. The faculty also attends similar

workshops conducted by the other Universities and autonomous institutions. Academic flexibility and bridging the gap between curriculum and industry is achieved by conducting certificate courses, seminars and tie-ups through MOU's with leading industries, training institutions and other technical bodies like IEEE, CSI, SAE, IEI and ISTE. The institute encourages self-employability by conducting Personality Development Programmers through placement and training cell. The institute identifies and take cares the needs of slow learners by conducting remedial classes. Social awareness and community service is inculcated in the students through various NSS activities. The curriculum implementation and monitoring processes are developed and has documented the processes. The curriculum has incorporated the **CBCS** scheme and offered electives in all four undergraduate programs, three postgraduate programs offered by the institute. The institution is having four different research programs through which about thirty research scholars are pursuing their PhD work. The institute regularly conducts the feedback on curriculum and teaching learning processes. The outcomes of feedback are taken for corrective measures.

### Teaching-learning and Evaluation

Excellence in teaching and learning is achieved by good competent teaching faculty. Student admissions are carried out through government central admission process and by the management on merit basis. The Institute is the part of the centralized admission process of the state government. The admissions are strictly followed as per the **rules & regulations of Government of Karnataka.**

In order to have smooth conduction of teaching, meticulous planning is done prior to the commencement of semester. Institute practices blend of traditional teaching and student centered learning practices such as **Project Based Learning (PBL)** and **Participatory Learning**. Frequently syllabus completion status is monitored. Tests and tutorials are conducted on a regular basis to ensure that the students grasp the concepts being delivered in the classrooms and laboratory sessions. CO-PO mapping is done for each subject and CO-PO attainment is calculated based on the internal test and external examination marks and evaluated at the end of each semester. Bloom taxonomy is used in the internal test question papers indicating the CO levels of the questions. A feedback mechanism for the faculty by the students facilitates in continuous improvement in teaching learning process.

The faculty members prepare the academic plan, course plan for effective delivery in the class rooms. The student centric methods like experiential learning, participative management and problem solving methods are employed at program level and at course level. The assessment is done in all three domains of learning viz. **Cognitive, psychomotor and affective domain.**

### Research, Innovations and Extension

Research has been considered as the integral part of academic endeavor in the institution. The R&D centers in the institution are established to focus on the recent research areas. The faculty members are encouraged to enroll for PhD program and they choose our R&D center for their research work. Some faculty members are awarded with PhD degree from the institution R&D center. Faculty are encouraged to attend FDPs, conferences organized in other institutions. **FDPs, Workshops and Conferences** are organized by various Departments. Eminent scientists and professors are invited to visit the campus to interact with students and faculty during workshops, Conferences, FDPs and Seminars. Periodical review meetings are conducted by each Department to monitor the status of PhD work of the faculty.

Students are motivated to undertake projects in emerging fields and are encouraged to submit their project proposals to funding agencies like **KSCST, VTU, DST and VGST**. Students and faculty members are encouraged to present and publish research papers in reputed conferences and journals. They have access to E-journals and various study materials. All the Departments in the institution are arranging **Industrial visits** for the students to expose them for the present trends in the industry. The Institution has **MOUs** with different educational institutions and industries. The institution encourages students to take up **Internships** in these industries during semester break to gain **first-hand exposure of working in the real world**.

KSIT has active NSS unit. The students are encouraged to become volunteers for activities planned under this unit. The institution encourages NSS unit to conduct programs like blood donation camps, women's day, youth day in the campus. Students are encouraged to conduct and participate actively in activities like **blood donation camp, national integration camp, rally for rivers, Swatch Bharath**. Students participated in the event '**Adequate and affordable water supply**', which focused on adequate water supply to the Bengaluru city. During this event, students had an opportunity to interact with honorable **Prime Minister Mr. Narendra Modi**.

The Departments have clubs and professional bodies through which students are encouraged to execute events to trigger their leadership qualities.

### **Infrastructure and Learning Resources**

Institution has provided all the facilities and resources that facilitate teaching-learning environment. The Institute has adequate number of class rooms/tutorial rooms, laboratories, seminar halls and workshop. Class rooms are equipped with required facilities. The laboratories and workshop have **good equipment, machinery, computer hardware and software**. The institution has more than 600 computers with LAN connection and 50 Mbps Internet lease line connection. The Institute has adequate seminar halls which are used for multiple activities such as seminars, workshops and conferences. The central library has a good collection of books, journals and e-resources. The institution is member of VTU E - Consortium where faculty and students can access and download reputed journal and conference papers and proceedings. The library is **automated** using **Integrated Learning Management Systems (ILMS), Web OPAC** (Online Public Access Catalogue) and **Digital library facility**. The central library is having a reading hall with a seating capacity of over 200 students. Facilities are updated periodically (ex.: Computers, Software, electronic equipment) to meet the growing and changing needs of the Institute. Appropriate measures are taken to maintain **safety, security, hygiene, cleanliness and greenery** on the campus. Adequate **hostel facility** for girls and boys is provided. Various **sports facilities** are provided to the students for their holistic development.

### **Student Support and Progression**

Students are getting **scholarship benefits** under various schemes by Government. Management also encourages students by providing fee concession for eligible students. Each student has a **faculty mentor** and regular counseling is done for each student to monitor their performance and to discuss their needs with parents and faculty. Since Placement training is very essential to improve the aptitude and soft skills, regular training and assessment tests are conducted starting from first year. Students are also encouraged to pursue higher studies. Students vigorously participate in sports, cultural activities, Project exhibitions etc. Maximum number of eligible students are placed in various companies. There are institution level committees to address problems of students like Anti sexual harassment committee, Grievance committee and Anti ragging committee.

The institution has encouraged the students to participate in the national level competitions like Hackathon, Baja and Gokart events. The management has extended financial support for these events. The students won first and second prize continuously for two years in the National level Hackathon conducted by MHRD, Govt. of India. Students participated in the national level SAE Baja and Gokart competitions and secured a place in the top ten list in the state.

Institute has an alumni association which will frequently conduct meetings and assist the Technical events of the institution in which alumni of all departments take leading role. Alumni contribute for the development of the institution by extending their help in training the students for Hackathon and Baja competitions. Alumni meet is conducted in the institution every year in November first week. Many alumni will take part in this meet with enthusiasm.

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

The institute is governed by the Management of Kammavari Sangham. Reputed academicians, AICTE nominated and University nominated members being on the management committee, are actively involved in the decision making process at various levels. There is an Academic Advisory Board to help the management in the institution governance. The management is in constant touch with the Principal in order to discuss development of the Institute. The institute has developed its mission and vision by following the scientific method. As a result of its leadership, the quality culture is developed by the institute. There is also an **IQAC** cell which initiates and reviews the quality initiatives of the institution.

These activities have resulted in the good percentage of placement at the institute level. The management conducts meetings of the Governing Council where the Principal represents the institute. The Principal, Heads of Departments and senior faculty, plan for the progress of the Institute. The institute organizes annual Cultural Festival '**Ananya**', which is the annual social gathering for the overall development of the students and also to inculcate leadership qualities among them.

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

The institution has taken good initiatives in providing safe and secure environment to the students as well as to the faculty members. The ratio of women faculty in college is much above the government regulation of 33%. Celebration of women's day, Mother's day is proof enough of this as a tribute to womanhood. The institution boasts of lush green cover and flowering plants inside its campus providing cool and serene atmosphere and fresh air adding to the green cover initiatives. Swatch KSIT has been implemented and it is a plastic free zone. Different color trash is being used to segregate wet waste, dry waste. Water is very scarce resource in the country. Efforts are taken by KSIT to conserve and preserve water. Harvesting rain water is implemented in the institution. As a result of rain water harvesting the water monthly expenses has reduced and also the water so accumulated is used for garden purpose. Another green practice initiative by the institution is encouraging the students not to use their own mode of transportation. The institution is encouraging students and faculty to use bicycles, bike pooling and car pooling. As a result of this, pollution would be reduced to a greater extent. There is also an effort to make paper less office. The important messages are sent to students and faculty through SMS. The students are taught Ethics, Moral, Human values to mould them as good citizens of the country.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	K. S. INSTITUTE OF TECHNOLOGY
Address	K.S. Institute of Technology 14, Raghuvanahalli Kanakapura Main Road
City	Bengaluru
State	Karnataka
Pin	560109
Website	<a href="http://www.ksit.edu.in">www.ksit.edu.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Professor	K. Rama Narasimha	080-28435724	9900633688	080-2843525 4	ramanarasimhak@ ksit.edu.in
Principal	T.V. Govindaraju	080-28435722	9663778001	080-2843572 3	principal@ksit.edu. in

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	28-06-1999



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

State	University name	Document
Karnataka	Visvesvaraya Technological University	<a href="#">View Document</a>

**Details of UGC recognition**

Under Section	Date	View Document
2f of UGC	26-09-2018	<a href="#">View Document</a>
12B of UGC		

**Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)**

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	04-04-2018	12	Annual Approval

**Details of autonomy**

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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**Recognitions**

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	K.S. Institute of Technology 14, Raghuvanahalli Kanakapura Main Road	Urban	3.05	22678.86

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Computer Science And Engineering	48	PUC PCMB	English	120	118
UG	BE,Electronics And Communication Engineering	48	PUC PCMB	English	120	105
UG	BE,Mechanical Engineering	48	PUC PCMB	English	120	74
UG	BE,Telecommunication Engineering	48	PUC PCMB	English	60	19
PG	Mtech,Computer Science And Engineering	24	BE BTECH	English	24	2
PG	Mtech,Electronics And Communication Engineering	24	BE BTECH	English	24	0
PG	Mtech,Mechanical Engineering	24	BE BTECH	English	24	0

Doctoral (Ph.D)	PhD or DPhil, Computer Science And Engineering	48	M TECH	English	10	1
Doctoral (Ph.D)	PhD or DPhil, Electronics And Communication Engineering	48	M TECH	English	10	7
Doctoral (Ph.D)	PhD or DPhil, Mechanical Engineering	48	M TECH	English	10	0
Doctoral (Ph.D)	PhD or DPhil, Chemistry	48	MSC	English	10	1

### Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	14				17				72			
Recruited	9	5	0	14	11	6	0	17	41	31	0	72
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				85
Recruited	53	32	0	85
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				31
Recruited	19	12	0	31
Yet to Recruit				0

### **Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	9	5	0	1	1	0	0	0	0	16
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	10	5	0	41	31	0	87

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	1	0	0	1

<b>Details of Visting/Guest Faculties</b>				
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
		0	0	0

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

<b>Programme</b>		<b>From the State Where College is Located</b>	<b>From Other States of India</b>	<b>NRI Students</b>	<b>Foreign Students</b>	<b>Total</b>
Doctoral (Ph.D)	Male	2	0	0	0	2
	Female	7	0	0	0	7
	Others	0	0	0	0	0
UG	Male	181	28	0	0	209
	Female	121	7	0	0	128
	Others	0	0	0	0	0
PG	Male	0	0	0	0	0
	Female	2	0	0	0	2
	Others	0	0	0	0	0

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

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	12	14	11	13
	Female	7	9	8	8
	Others	0	0	0	0
ST	Male	1	2	3	3
	Female	2	3	3	1
	Others	0	0	0	0
OBC	Male	73	59	57	63
	Female	48	45	51	34
	Others	0	0	0	0
General	Male	117	152	151	178
	Female	91	91	103	115
	Others	0	0	0	0
Others	Male	1	2	6	1
	Female	1	2	0	0
	Others	0	0	0	0
Total		353	379	393	416

### 3. Extended Profile

#### 3.1 Program

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

Response: 759

File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
11	11	11	11	7

#### 3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1661	1751	1731	1816	1808

File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

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

2017-18	2016-17	2015-16	2014-15	2013-14
106	106	106	106	100

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

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

2017-18	2016-17	2015-16	2014-15	2013-14
385	384	382	306	343



File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

### 3.3 Teachers

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

2017-18	2016-17	2015-16	2014-15	2013-14
106	103	109	105	103

File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

#### Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
106	103	109	105	103

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

### 3.4 Institution

#### Total number of classrooms and seminar halls

**Response: 40**

#### Total Expenditure excluding salary year-wise during the last five years ( INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
420.74	463.59	462.84	431.68	413.68

#### Number of computers

**Response: 594**

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

##### 1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

###### Response:

The institution, being affiliated to the Visvesvaraya Technological University, the rules, regulation and guidelines relating to the institution are governed by the norms of the University. All academic issues are meticulously planned and executed by the Principal as per the directions from the Academic Advisory Board.

The Institution has a very limited role in curriculum design and development. The institution adopts the syllabus provided by the Vishveswaraya Technological University. Apart from the prescribed curriculum, the institution has planned ways and means to strengthen the teaching learning process.

At the beginning of the semester, planning of the Academic activities and calendar of events that is in alignment with the University calendar is developed. The subjects are identified and would be allotted to the faculty who have the requisite expertise and also based on their preference. Once the subjects are allocated, the respective faculty has to prepare the learning materials and resources. Course file is maintained by all the faculty which contains syllabus, lesson plan, attendance record, teaching - learning materials and question bank and details of all the students. Continuous evaluation is done through three Internal Assessment Tests and three assignments conducted in each semester Through these evaluations, slow learners are identified and remedial classes are conducted to improve their performance. The others are given challenging questions and assignments to enhance their performance. In addition to this, the institution very meticulously conducts Laboratory sessions which are held in accordance with the prescribed syllabus. Practical training is given to all the students in the laboratories and all the experiments are conducted. Viva-voce are conducted on weekly basis and lab tests are conducted as indicated in the academic calendar.

Each teaching faculty is entrusted with the task of mentoring 20 students on academic and personal issues thereby strengthening the bond between the student and the teachers leading to a better learning environment.

To augment and reinforce the learning covered under the curriculum, adequate guest lectures and industrial visits are organized.

The teaching learning process is achieved by adopting a multi-dimensional approach like usage of PPT, NPTEL videos, E- Learning and Seminars.

The curriculum planning is structured keeping in mind the **Outcome Based Education** as prescribed by the AICTE and the VTU and encompasses the following:

##### 1. PEOs

2. PSOs
3. COs
4. Mapping of COs, POs & CO/PO Attainment
5. Course Syllabus
6. Individual Time Table
7. Lesson Plan/Course Plan
8. University Question Papers and model solution.
9. Question Bank
10. Viva Question Bank
11. Students Attendance Record
12. Internal Test I/II/III: Question Paper, Attendance Record, Result, and Scheme of evaluation
13. Assignments/Tutorials
14. Continuous Assessment Record.
15. Notes (Hard/Soft Copies)
16. Course Exit survey and feedback report
17. E-learning Data

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

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

**Response:** 0

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

<b>File Description</b>	<b>Document</b>
Details of the certificate/Diploma programs	<a href="#">View Document</a>

### 1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

**Response:** 2.85

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	1	1	1	0

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

## 1.2 Academic Flexibility

<b>1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years</b>	
<b>Response:</b> 69.04	
1.2.1.1 How many new courses are introduced within the last five years	
Response: 524	
File Description	Document
Details of the new courses introduced	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

<b>1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented</b>	
<b>Response:</b> 63.64	
1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.	
Response: 7	
File Description	Document
Name of the programs in which CBCS is implemented	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

<b>1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years</b>
<b>Response:</b> 0

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

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

## 1.3 Curriculum Enrichment

### 1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

#### Response:

The curriculum prescribed by the University makes it mandatory for its students to be aware of the rich heritage of their National Values, Ethos, Integrity, Fundamental rights and duties like preservation and conservation of environment, places of cultural heritage, monuments, celebration of national festivals, Right to life, Right to Education, gender equity, human values like service motto, hygiene etc., to name a few.

The goals of the Institution are described in its Vision and Mission statements which cover distinctive characteristics that include quality technical education, ethical values, employable skills and research.

To achieve the goals and objectives, a series of group discussion amongst faculty members is carried out and the syllabus with recent technological developments that are socially relevant and career oriented contents are given due importance

To obtain these issues which are the need of the hour the institution has:

As per the directions of MHRD, AICTE and VTU, the institution has constituted various committees, that address issues like Anti-ragging Committee, Anti-Sexual Harassment Committee and Women Grievances Cell,

In addition to the engineering curriculum, the study of Constitution of India, Professional Ethics and Human Rights has been made mandatory to make the students more equipped to practice and uphold the heritage and the values of our society.

The institution is committed to many socially relevant responsibilities and thus involved in organizing blood donation camp, afforestation, protection of the environment, plastic free campus.

The institution also encourages celebration of national festivals there by helping the students to maintain their cultural heritage.

The “Heartfulness”, a social wing of the Art of Living, in association with the institution conducts meditation that rejuvenates the mind and soul that helps in healthy thoughts and good living.

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

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

**Response:** 104

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

**Response:** 104

File Description	Document
Details of the value-added courses imparting transferable and life skills	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 24.32

1.3.3.1 Number of students undertaking field projects or internships

**Response:** 404

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

## 1.4 Feedback System

**1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise**

**A. Any 4 of the above**

**B.Any 3 of the above**

**C. Any 2 of the above**

**D. Any 1 of the above**

**Response:** A.Any 4 of the above

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

**1.4.2 Feedback processes of the institution may be classified as follows:**

**A. Feedback collected, analysed and action taken and feedback available on website**

**B. Feedback collected, analysed and action has been taken**

**C. Feedback collected and analysed**

**D. Feedback collected**

**Response:** B. Feedback collected, analysed and action has been taken

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
URL for feedback report	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Average percentage of students from other States and Countries during the last five years

**Response:** 12.23

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

2017-18	2016-17	2015-16	2014-15	2013-14
135	184	213	254	293

#### File Description

#### Document

List of students (other states and countries)

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

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

**Response:** 85.92

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

2017-18	2016-17	2015-16	2014-15	2013-14
422	478	503	503	521

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

2017-18	2016-17	2015-16	2014-15	2013-14
576	576	576	576	528

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)



### 2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

**Response:** 79.06

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

2017-18	2016-17	2015-16	2014-15	2013-14
71	90	82	87	84

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

## 2.2 Catering to Student Diversity

### 2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

**Response:**

To assess the learning levels of the students, every year the institution organizes an Induction Program for the First Year students. The induction covers –

- Introductory sessions conducted by heads of the departments & introduction of faculty members of their departments.
- The students are introduced to their course of study and the regulations governing the same.
- Introduction of various extra-curricular and professional activities taking place within campus for their overall development.
- Methods to manage academic stress and overall personality development.
- Talks by industrial experts to highlight the requirement of present day need

In the orientation, following points are discussed:

1. First year Course/Examination structure
2. Academic Calendar
3. Passing criteria, grading pattern, re-examination
4. Distribution of information brochure.

5. The students will be exposed to all the laboratories available

Before commencement of classes, the first year students are classified as Slow and Advanced Learners based on CET Marks & HSC Marks.

The higher semester students are classified as slow and advanced learners based on their performance in the first internal assessment test. A student who fails to score less than 50% marks in the first test and who is found to be slow in learning is identified as a slow learner by the subject teacher who prepares a list of all such candidates and reports to the head. After obtaining inputs from all the teachers, a departmental meeting is convened to chalk out a time-table for the remedial classes in addition to the regular classes where the students are nurtured by strengthening the fundamental concepts as well as boosting their confidence. Thus, the slow learners are brought on par with the others and prepared to face the end semester exams with better preparation.

#### Strategies for slow learners:

- Additional classes are arranged for slow learners and individual attention is given to improve their performance in the second and third internal tests.
- Incorporation of Audio and Visual Materials for better understanding of basic concepts.
- Providing Peer Tutors for counseling and mentoring of the students to overcome their psychological problems and achieve their goals successfully.

These steps make learning more comfortable.

#### Strategies for Advanced Learners

- These students are encouraged to solve the challenging questions and competitive examination questions.
- They are made to involve themselves in mini projects and encouraged to publish their work
- They are encouraged to read variety of books, websites, and blogs, to make them appreciate different ways in which the same concept can be presented.
- They are made to work together in teams, to share ideas on an assignment that is more complex

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

#### 2.2.2 Student - Full time teacher ratio

**Response:** 15.67

File Description	Document
Any additional information	<a href="#">View Document</a>

**2.2.3 Percentage of differently abled students (Divyangjan) on rolls****Response:** 0**2.2.3.1 Number of differently abled students on rolls**

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

**2.3 Teaching- Learning Process****2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences****Response:**

The academic viewpoint of the institute is student centric. The various methods of experiential and interactive learning are adopted to ensure that students actively participate in the teaching-learning process.

**Experiential learning**

The institution provides a wide range of learning opportunities that engage students in real-world scenario and emphasize student interaction throughout the learning process. Few topics of the curriculum are demonstrated through experiments in the laboratory and by doing mini projects. Industrial visits are arranged to expose the students to the latest technological developments. Students are encouraged to take up the internships in the industries. It provides opportunities for students to engage intellectually, creatively and gel emotionally.

**Interactive learning**

The faculty members make learning interactive for students by motivating student participation in group discussion and subject quiz. PPT presentations, video presentations will be made during the class and the sessions will be made more and more interactive.

**Participative learning**

This provides students with an opportunity to gain professional knowledge, skills and values. Students are encouraged to take part in organizing the technical activities like guest lectures, IEEE activities, CSI activities and others. The Departmental club activities will be arranged with the complete involvement of student office bearers of the respective clubs.

**Problem solving methodologies**

The students are encouraged to solve a real time problem. Students will take part in BAJA and GOKART activities where they involve themselves in the design, fabrication and testing of the vehicle according to the norms specified by SAE. Students are proactive in the events like HACKHATHON where programming skills are exhibited and recognized in the national level.

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

<b>2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.</b>	
<b>Response:</b> 92.45	
2.3.2.1 Number of teachers using ICT	
Response: 98	
<b>File Description</b>	<b>Document</b>
List of teachers (using ICT for teaching)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Provide link for webpage describing the " LMS/ Academic management system"	<a href="#">View Document</a>

<b>2.3.3 Ratio of students to mentor for academic and stress related issues</b>	
<b>Response:</b> 16.78	
2.3.3.1 Number of mentors	
Response: 99	
<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

<b>2.3.4 Innovation and creativity in teaching-learning</b>
<b>Response:</b>
The institution inculcates Innovation and Creativity in teaching – learning process in order to achieve the following :-
<ul style="list-style-type: none"> <li>• To enhance the learning and cognitive skills.</li> <li>• To increase domain knowledge.</li> <li>• To help students to transform their thoughts and ideas into reality.</li> <li>• To mold students as per industry expectations.</li> </ul>

- To make them apply precise engineering skills

The following pedagogies / methods are used in the teaching learning process:

- Chalk and Talk method
- Use of power point presentations augmented with videos for explaining the concepts
- Use of NPTEL videos for effective learning in order to make students gain insight of the subject
- Using charts in the laboratories exhibiting the subject related diagrams, algorithms and computations
- Conducting quizzes, group discussions to make students sustain their interest and motivation towards learning.
- Assigning mini projects and hobby projects for the students in order to make them understand the practicality of the subject.
- Arranging seminars for the students to improve their comprehension, knowledge and presentation skills.
- Provisioning students to participate in **Workshops, Technical talks and Hackathons** in order to bridge the gap between academics and industry expectations and make them stay up-to-date with the technology.
- Through Projects and other Innovative Teaching and learning process the students are made **future ready** and are transformed into **professional engineers**.

File Description	Document
Any additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years	
<b>Response:</b> 100	
File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years	
<b>Response:</b> 10.44	
2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years	

2017-18	2016-17	2015-16	2014-15	2013-14
15	12	12	8	8

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.4.3 Teaching experience per full time teacher in number of years

**Response:** 9.58

#### 2.4.3.1 Total experience of full-time teachers

Response: 1015.42

File Description	Document
Any additional information	<a href="#">View Document</a>

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

**Response:** 4.75

#### 2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	1	0	1

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

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

**Response:** 14.25

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

2017-18	2016-17	2015-16	2014-15	2013-14
17	17	15	15	11

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

**Response:**

- The institution is affiliated to Visvesvaraya Technological University (VTU) and follows the University guidelines to carry out the continuous internal evaluation process at institution level.
- The regulations, curriculum and syllabus of all the programs offered by the Institute are available in the Institute website and the website of the affiliating University. The regulations contain the details of the evaluation process. Currently the 2015, 2017 and 2018 regulations of CBCS schemes is being followed.
- At the commencement of every semester, an academic calendar of events is prepared. This contains the schedule for internal assessment test, dates of announcement of attendance status and sessional display, declared holidays, lab test. This is brought to the notice of faculty and students.
- The course owners prepare the question bank by referring to previous years' question papers of the affiliating as well as other University question papers.
- The course owners prepare the assignment question for the same syllabus covered for the internal assessment test and insist that students submit their assignments before the IA test.
- In the process of continuous internal evaluation, two set of question papers are prepared for every subject. Each question paper comprise of four questions, out of which two are to be answered.
- The Module coordinator, Head of the Department, Academic coordinator and Principal scrutinizes the question Papers. One question paper among the two is selected by Principal.
- The students can see their evaluated blue book and discuss the same with concerned faculty and results are declared within eight days and displayed and communicated to students and parents through website.
- Three internal assessment tests are conducted. Out of three tests average of best of two tests are considered as final internal assessment marks.
- The Institution has a good mentoring system, where each mentor is allocated a group of fifteen to twenty-five students. 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.

- In addition to internal assessment tests, the course owners also conducts other subject related activities such as quiz, seminars and group discussion.
- Laboratory sessions are conducted as 3 hours per week. All the programs and experimental details are written in observation book and executed. After execution, the same details are written in record book. At the end of semester, lab test are conducted. The breakup of Internal Lab marks (20 marks) for 2015 regulation are as 10 marks for record, 5 marks for observation and 5 marks for test. The break for 2017 and 2018 regulation are as 15 marks for record, 15 marks for observation and 10 marks for test.

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

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

#### Response:

The conduction of Internal Assessment Tests is the reflection of the success of Teaching. This helps in progression of the student's academic attainment.

- The institution is affiliated to Visvesvaraya Technological University (VTU) and follows it's the guidelines and methods to carry out the continuous internal assessment process at institution level.
- The regulations, curriculum and syllabus of all the programmes offered by the Institute are available in the Institute and the affiliated University websites. The regulations contain the details of the evaluation process. Currently the 2015, 2017 and 2018 regulation of CBCS schemes are being followed.
- The institution prepares an Academic Calendar in line with University calendar prior to the commencement of the academic year in consultation with the Heads of the Departments in which Internal Assessment dates are mentioned. This will be handed over to students after the orientation program and uploaded in the institution website.
- Two sets of Internal Assessment question papers are set for each subject. The module coordinator, Head of the Department, Academic chief coordinator and Principal will scrutinize the question Paper. Any one question paper is selected by Principal.
- Blooms Taxonomy guidelines are followed for preparing Internal Assessment Question Paper and Assignments.
- The blue books will be evaluated and the performance of the students are brought to the notice of them which helps the students in understanding their mistakes.
- The scheme of evaluation of the internal assessment test will be issued to the students after each assessment is completed.
- The results of the Internal Assessment will be sent to the parents in the form of SMS and displayed in the notice boards, uploaded in the institution website.
- Three internal assessment tests are conducted. Out of three tests average of best of two tests are considered as final internal assessment marks for 2015 scheme and average of three tests are



considered for 2017 and 2018 scheme students. The signature will be obtained from the students once the marks are finalised.

- The mentors monitor the performance of the students after each internal assessment tests and provides suggestions for their improvement.
- The parents and teachers meeting will be conducted at the end of each internal assessment for the students who scores less than 50 percent in the internal assessments tests.
- Those students who score less than 50 percent in the internal assessment test in each subject are identified as slow learners and remedial classes will be conducted for them.
- In the laboratory, two internal assessments tests are conducted covering all the experiments. The signature will be obtained from the students once the marks are finalized.

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

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

#### Response:

- The institution is affiliated to Visvesvaraya Technological University (VTU) and follows the University guidelines and methods to carry out the continuous internal evaluation process at institution level.
- The regulations, curriculum and syllabus of all the programmes offered by the Institute are available in the Institute and the affiliated University websites. The regulations contain the details of the evaluation process.
- A dedicated Exam section is available in the campus to take care of all examination related issues like
  - Queries of Exam time table schedule
  - Queries of Examination fees payment
  - Queries of Revaluation fees payment
  - Queries Regarding Examination results and Mark sheet
  - Queries related to missing USN during examination
- The Exam section takes responsibility of room allotment, seating arrangement, preparing invigilation dairy
- The rules and regulation are followed as per the guidelines from the University.

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

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

##### Response:

- Academic Calendar shows the entire academic activity, beginning with the commencement of classes up to the end of the semester including the practical examinations.
- The *Academic Calendar* is a comprehensive guide to carry the academic activities with ease. It is 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 is shown in an organized manner. The institution ensures effective time management and appropriateness by adhering to the timeline received by the University.
- The 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 and learning process and regular assessments.
- A committee for creating and organizing the academic calendar is formed by the institution. The committee consists of the Principal and other core members.
- The faculty members prepare 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 prepares the timetable as per the guidelines of the affiliated University and statutory bodies.
- Regular staff meetings are 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 adheres to the minimum number of working days and teaching days.
- Academic activities are always given priority and all other activities are performed without disturbing the classes. The Monthly Internal Assessments are conducted as per the academic calendar and student evaluation process is 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 are also shown in this calendar. IA question papers are set based on the Outcome Based Education (OBE) format.
- The best of two IA marks is 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.

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

## 2.6 Student Performance and Learning Outcomes

### 2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

**Response:**

The Institute is affiliated to VTU and the curriculum is defined by the University. The institution has a broad vision and mission which is practiced by all the departments.

The Programme Objectives (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) are well stated by the departments and displayed on institution website, notice boards and class rooms.

The PSO's are associated with the vision and mission of the department and institution.

The CO's are framed by the respective course in charge by using the blooms taxonomy verbs and levels and is also discussed with the students

The stake holders are involved in refining the PSO's.

File Description	Document
COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

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

**Response:**

The institute abides to a well-defined procedure of Teaching Learning process that is followed by all the departments in focus of the student's development. The process involves

- 1.Planning,
- 2.Delivery and Assessment
- 3.Evaluation and Attainment

**Planning**

The syllabus (course content) is defined by the University for All the Programmes in the Institution. For every subject, the CO's are prepared by the Course In charge and verified by the Module coordinator, the Head of the Department and Academic coordinator. The CO's are written based on different levels of

Blooms taxonomy based on the course. The CO's are prepared in focus with the objectives and outcomes. The lesson plan is prepared well in advance before the commencement of the classes based on the calendar of events of the institution.

### Delivery and Assessment

The contents are delivered in the respective classes as per the scheduled timetable. The course In charge will go in phase with the lesson plan prepared and also appropriate measures will be taken care during lacuna if any. The method of assessment and schedule for the assessment is defined and followed as per the University norms. The internal assessment question paper involves the Blooms taxonomy verbs that are used appropriately as per the level of the question.

### Evaluation and Attainment

The assessments are evaluated by the course In charge and the same is documented. Based on the marks obtained, the attainment of the CO's and PO's are calculated. The attainment includes direct and indirect attainment. Appropriate action is taken to improve the weaker section so that there is continuous improvement in the attainment level.

The attainment is calculated from different tables starting from the

CO-PO-PSO matrix,

Internal marks documents

External marks documents

The correlation of the CO, PO and the PSO is tabulated in a scale of 0 to 3 where

3- High

2- Medium

1.Low

The sample CO-PO-PSO matrix table is shown below

	PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
<b>CO 15 EC52</b>											
<b>CO1</b>	K2	2	2	2	2	1	1	-	-	1	-
<b>CO2</b>	K3	3	3	2	2	1	1	-	-	1	-
<b>CO3</b>	K3	3	3	2	2	1	1	-	-	-	-

CO4	K3	3	3	2	2	1	1	-	-	-	-
CO5	K4	3	3	2	1	1	1	-	-	-	-
Avg		3	3	2	2	1	1	-	-	1	-

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

### 2.6.3 Average pass percentage of Students

**Response:** 95.11

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 428

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

Response: 450

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

## 2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

**Response:**

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

**3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)**

**Response:** 36.35

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
8	0	1.25	10.7	16.4

File Description	Document
List of project and grant details	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by non-government	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 14.15

3.1.2.1 Number of teachers recognised as research guides

Response: 15

File Description	Document
Any additional information	<a href="#">View Document</a>

**3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year**

**Response:** 0.1

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

Response: 11

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 526

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Funding agency website URL	<a href="#">View Document</a>

## 3.2 Innovation Ecosystem

### 3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

#### Response:

The institute staff and students are encouraged to take up ecofriendly projects that provide solution to environmental concerns. The Management encourages one and all by supporting them with good infrastructure and research center facilities. The setting up of incubation centers to take up innovative projects is in the pipeline.

Various facilities provided by the college are:

**Research Centers:** The students and staff of our institute are encouraged to take up innovative projects that are socially relevant. This is supported by the R&D centers in all the departments. The infrastructure in the research centers support students and staff to pursue their innovative ideas. Most of the staffs are pursuing their research leading to a Ph.D. in our institute only.

**Innovation & Entrepreneurship Development committee [IEDC]:** The institute has an IEDC committee to encourage students to solve real life problems through innovation. Batch of students are provided with a mentor to guide them through their projects. IEDC encourages forging a relationship between the industry and the institution. Individual departments interact with industry to ascertain the gaps in curriculum that needs to be addressed. The gaps are filled by arranging guest lectures, workshops, internships, and mini project exhibitions etc., supported by industry personnel. Industry Institution partnership help us for arranging Industrial visits for students and faculty, field and site visits of students. As mentioned above the institute has plans to establish Incubation center.

**Intellectual Property Rights [IPR]:** The institute has an IPR committee to evaluate the potential for patenting student projects that are funded by various funding agencies. Innovative projects of students and staff are handled by our IPR committee.

**Transfer of Knowledge to our students & Staff:** The institute has a regular practice of organizing technical talks by experts from industry and also academia. Workshops in various domains are regularly conducted for the transfer of knowledge. Faculty Development Programs (FDPs) will be regularly organized for faculty for knowledge up gradation. They are also encouraged to participate in FDP's or



other academic events organized in other institutions.

**Library and Information Repository:** This is a vital component of any educational institute. The library is a resource center that supports teaching, learning and research. It plays a proactive role in enabling access to information resources in various fields. Effective services are provided to meet the changing needs of the academic community and students through various networking schemes. This information repository holds printed as well as electronic resources enabling access to all faculty and students.

**MoU's:** The institute gives importance for all round development of the students. So, every department has signed MoU's with various industries. Under these MoU's many events like workshops, FDP's, guest lecturers, Technical talks and project exhibition are organized.

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

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

**Response:** 47

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
12	12	15	8	0

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

## 3.3 Research Publications and Awards

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

**Response:** No



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

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

**Response:** Yes

File Description	Document
e- copies of the letters of awards	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.3.3 Number of Ph.D.s awarded per teacher during the last five years

**Response:** 0.2

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 3

3.3.3.2 Number of teachers recognized as guides during the last five years

Response: 15

File Description	Document
URL to the research page on HEI web site	<a href="#">View Document</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

**Response:** 0.93

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

2017-18	2016-17	2015-16	2014-15	2013-14
21	28	18	15	16

File Description	Document
List of research papers by title, author, department, name and year of publication	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

**Response:** 1.66

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
26	121	19	7	2

File Description	Document
List books and chapters in edited volumes / books published	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.4 Extension Activities

### 3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

**Response:**

College strives to promote over all development of the students by encouraging them to participate in various activities to make them socially responsible toward the society. Institute promotes various extension activities through participation in National Service Scheme [NSS], Red Cross, Departmental Clubs and various Professional bodies. Many programs like Blood Donation under Rotary & Red Cross, Diabetic Awareness camp, Rally for river under ISHA foundation etc were organized. College was awarded *GUNNIES RECORD* during blood donation camp.

All the departments in the institute have its professional bodies through which various Technical and societal sensitization programs like Visit to orphanage, old age homes Swatch KSIT and many such events are organized. The KSIT IEEE student branch was awarded the *BEST STUDENT BRANCH* for the year 2017-18.

**National Service Scheme:** Many social and extension activities like swatch KSIT, Health awareness

camps, youth day, Women's day and many such events were organized under this program.

**IEEE, ISTE, and IETE:** Many technical and non-technical events are organized under these professional bodies. The social activities like visit to old age home and to orphanage were organized to sensitize our students to social responsibility.

**CSI:** Rally for river was organized under this professional body. This event was planned to initiate social responsibility to save water through planting trees and by other means.

**Red Cross:** Under this wing blood donation camp and also diabetes awareness camp was organized.

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

### 3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

**Response:** 17

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10	4	1	0	2

File Description	Document
Number of awards for extension activities in last 5 years	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

**Response:** 17

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community

and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10	5	1	1	0

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

### 3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

**Response:** 10.78

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
600	311	0	0	0

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

## 3.5 Collaboration

**3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years**

**Response: 250**

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
125	44	34	29	18

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

**3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)**

**Response: 15**

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

2017-18	2016-17	2015-16	2014-15	2013-14
9	4	1	1	0

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View Document</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

**4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.**

**Response:**

The Institution provides sufficient physical infrastructure ensures maximum availability for utilization of as it is totally linked to the mission of the college – “to create relevant infrastructure”.

Periodic evaluation for up-gradation / development of the current infrastructure is carried out based on the suggestions from the stakeholders – like students, faculty, Lab technicians, system administrator, Heads of the Departments, and after reviewing course requirements to keep pace with the changing University curriculum, student - computer ratio, budget constraints, working condition of the existing equipment and also obsolescence. The Time Table committee plans in advance for all requirements like classrooms, laboratories, workshops and other infrastructure.

- Maximum usage of infrastructure is confirmed through conducting workshops / awareness programs/training programs for faculty on the use of new technology.
- Adequate usage of infrastructure is assured through appointment of efficient and well qualified and trained system administrator / technicians.
- The maximum utilization is ensured through encouraging creative teaching – learning practices using ICT support.
- The available physical infrastructure is maximally utilized beyond regular college hours, to execute certificate courses, co-curricular activities/extra - curricular activities, parent teacher meetings, Career Guidance Training classes, campus recruitments, meetings, seminars, conferences etc.,.
- College infrastructure is widely used as an examination center for Government examinations / University Examinations and other entrance examinations.

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

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

**Response:**

Department of Physical Education & Sports is very active in the Campus. The institution strongly believes in the overall development of its students and thus encourages sports activities. Sports are in fact a way of life for the student’s health and fitness. A well-implemented, comprehensive program is an essential component for the growth of both mind and body

Though there is a serious limitation on space for sports currently a 500 Sq. Mtrs. Sports ground has been developed for Outdoor sports like Volley ball, Throw ball and Kabaddi.

Indoor games like Badminton, Carom and Chess etc. are also are provided and encouraged. The department of sports has a major responsibility of organizing and arranging all the National festivals.

Students are encouraged to organize various cultural activities in the college. Festivals like Independence day, Republic day, Ganesha Festival, Dasara - Saraswati Pooja, Teacher's day, Engineer's day, etc., are celebrated by students actively. Our students actively and enthusiastically participate in NSS Camps, Blood Donation Camps, Social Awareness Camps and Gram Swachh Abhiyan Camps every year.

Apart from this, students organize college cultural fest "Ananya" every year. Various cultural competitions such as nail art, pencil sketching, mehendi, photography, quiz, Dumb charrads, tug of war, counter strike, treasure hunt, minute to win it, Kannada Antyakshari, Collage, Mr. And Miss KSIT, Dubsmash, Madads, solo-dance, group-dance, solo-singing, Hogothon, Mock IPL Auction, Cooking without fire, Fashion show and rangoli were conducted to bring out the hidden talents and exhibit the creativity of the students.

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

#### 4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

**Response:** 100

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

Response: 40

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	<a href="#">View Document</a>
Link for additional information which is optional	<a href="#">View Document</a>

#### 4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

**Response:** 15.86

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



2017-18	2016-17	2015-16	2014-15	2013-14
55	50	36	70	130

File Description	Document
Details of budget allocation, excluding salary during the last five years	<a href="#">View Document</a>
Audited utilization statements	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1 Library is automated using Integrated Library Management System (ILMS)

#### Response:

Library Automation: The Library has been automated through the Licensed Library Management Software Package “Libsoft”. All the transactions are being carried out through the following barcode interface facility that has :

- Total Number of Computers : 24
- Total No. of Printers : 02
- Internet Bandwidth : 50 Mbps

**Online Public Access Catalogue OPAC:**facility is available to users through Libsoft Library Management Software. The main features of the OPAC are to know the bibliographical details about the collections, check the availability of books and status of the borrowed books.

**Electronic Resource Management Package for e-Journals on Knimbus Platform:** Library has subscribed to Knimbus. It is an online platform and it acts as ERM package. All the e-resources subscribed through VTU consortium have been integrated in the online portal that IEEE, Springer, ASME, ASCE, Taylor and Francis, Knimbus Digital Library and Knimbus Remote access.

**Federated searching tools to search articles in multiple databases in Knimbus:** It is an online platform and it is a single search platform and collaborative search tool for accessing all e-Resources subscribed by our institution through VTU Consortium and has been integrated in the online platform.

**Institutional Repository:** The Institutional repository has been created with D-Space Digital Library open source software to access freely downloaded e-books, Question papers and faculty publications along with UG and PG course syllabus through local intranet: <http://202.62.79.41:8080/jspui>

**Resource sharing Networks:** Library is a member of VTU Consortium and DELNET.



**Library Website:** This is integrated with college website <http://ksit.edu.in>. This portal provides the latest updates on the resources and services of the Library to the end user from time to time including open source e-resources and, databases through hyper links.

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

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

##### Response:

K.S. Institute of Technology has given importance to enrich its library collection. At present 35,253 volumes and 4847 titles of the books are available in its collection.

Library has a comprehensive collection of textbooks, reference books related to Engineering, Science and Technology, Humanities, Kannada and English Literature books. To motivate the students and faculty members, Library procures some books that helps to prepare for competitive exams like GRE, TOFEL and GATE and some general reading books like:

1. The Luminous Sparks by Abdul Kalam A.P.J
2. Wings of Fire: An Autobiography by Abdul Kalam A.P. J.
3. Imagining India :Ideas for the New Century by Nilekani, Nandan
4. Glimpses of Great Lives by Swami Tathagatananda
5. Wise & Otherwise by Sudha Murthy
6. Ignited Minds by Abdul Kalam A.P.J
7. Ambedkar Speaks Vol. I, Ed by Narendra Jadhav
8. Ambedkar Speaks Vol. II Ed by Narendra Jadhav
9. Ambedkar Speaks Vol. III Ed by Narendra Jadhav

File Description	Document
Any additional information	<a href="#">View Document</a>

#### 4.2.3 Does the institution have the following:

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases

**A. Any 4 of the above**

**B. Any 3 of the above**

**C. Any 2 of the above**

**D. Any 1 of the above**

**Response:** C. Any 2 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

**Response:** 11.33

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

2017-18	2016-17	2015-16	2014-15	2013-14
11.54	8.15	8.29	13.82	14.87

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

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

**Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>

**4.2.6 Percentage per day usage of library by teachers and students****Response:** 11.6**4.2.6.1 Average number of teachers and students using library per day over last one year****Response:** 205

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

**4.3 IT Infrastructure****4.3.1 Institution frequently updates its IT facilities including Wi-Fi****Response:**

The IT infrastructure development are given high preference as our institution has established firmly believes in an acceptable quality of infrastructure and effective teaching-learning process. The following are the action plans adopted for ensuring adequate infrastructure.

**IT facilities**

- Every academic year will be assessed by taking the suggestions from staff members, HOD's, lab technicians and system administrator for updating the infrastructure for respective course requirements.
- Required infrastructure is prepared for smooth conduction of various laboratories, FDP's, Workshops, awareness programs, training programs for students and faculty to update their knowledge and skill sets in new technologies.
- Most of the Laboratories , staff rooms and Offices of Heads are provided with Multifunctional devices and Printers.
- Well trained system administrator and lab technicians are appointed for good practices of infrastructure maintenance.
- The total number of computers available in the campus are 675 (594 for student training and 81 for Staff and administration) for an existing student strength of 1661. Student Computer ratio is 2.79:1.
- College campus has been provided with the centralized network facility, Wi-Fi and Centralized data storage.
- Continuous power supply is provided for library, laboratories, Seminar Halls and Staff rooms with the aid of UPS. (235 KVA)
- The Online Examination Laboratory has 200 systems that are used for placement activities, online exams, entrance tests and VTU digital valuation.
- All the Seminar halls and some laboratories are equipped with LCD projectors.
- The college internet is secured with the Sonic Wall (Firewall).

**Internet facilities**

- Institute has upgraded the 10 MBPS Leased line to 20 MBPS Leased Line Internet connectivity and

then to 50 MBPS Leased Line over RF.

- Internet Service Provider will use best effort to ensure that the General Network availability is not less than 98.5%, which is 50 MBPS (1:1) dedicated bandwidth through RF unlimited usage.
- City Online is providing onsite support maintenance.

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

#### 4.3.2 Student - Computer ratio

**Response:** 2.8

File Description	Document
Any additional information	<a href="#">View Document</a>

#### 4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

**>=50 MBPS**

**35-50 MBPS**

**20-35 MBPS**

**5-20 MBPS**

**Response:** >=50 MBPS

File Description	Document
Any additional information	<a href="#">View Document</a>

#### 4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

**Response:** No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	<a href="#">View Document</a>

## 4.4 Maintenance of Campus Infrastructure

#### 4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

**Response:** 45.17

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
165.93	200.28	184.28	209.82	226.62

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

#### 4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

**Response:**

- 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 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.
- VTU Ph.D., course work exams were also being conducted at K.S.I.T campus due to its good infrastructure and maintenance.
- 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.

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

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

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

**Response:** 25.25

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

2017-18	2016-17	2015-16	2014-15	2013-14
597	506	465	415	211

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	<a href="#">View Document</a>
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

**Response:** 4.84

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
65	75	95	101	90

File Description	Document
Any additional information	<a href="#">View Document</a>

#### 5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and meditation
8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

**Response:** B. Any 6 of the above

File Description	Document
Details of capability enhancement and development schemes	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>

#### 5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

**Response:** 82.71

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1661	1665	1727	1282	870

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>



**5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years****Response:** 0.58

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	52

**File Description****Document**

Details of the students benefited by VET

[View Document](#)**5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases****Response:** Yes**File Description****Document**

Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee

[View Document](#)

Details of student grievances including sexual harassment and ragging cases

[View Document](#)

Any additional information

[View Document](#)**5.2 Student Progression****5.2.1 Average percentage of placement of outgoing students during the last five years****Response:** 37.1

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

2017-18	2016-17	2015-16	2014-15	2013-14
117	146	135	161	100

File Description	Document
Self attested list of students placed	<a href="#">View Document</a>
Details of student placement during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 5.2.2 Percentage of student progression to higher education (previous graduating batch)

**Response:** 9.09

5.2.2.1 Number of outgoing students progressing to higher education

Response: 35

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Details of student progression to higher education	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

**Response:** 96.67

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

2017-18	2016-17	2015-16	2014-15	2013-14
23	24	7	7	1

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

2017-18	2016-17	2015-16	2014-15	2013-14
24	24	7	8	1

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Number of students qualifying in state/ national/ international level examinations during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 5.3 Student Participation and Activities

#### 5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years.

**Response:** 48

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
12	9	17	6	4

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

**Response:**

**Institute has Student Council and various committees have active student representatives from all branches and semesters.**

##### 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 grivenances.

## **2. Professional Bodies**

In professional bodies like IEI, ISTE, CSI, IEEE, IETE,SAE, student representatives actively participate by conducting Student conventions, chapters, technical events & 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.

## **4. Cultural Committee**

The institution conducts annual cultural Fest Ananya, First year Inagural function, Fare Well function through Cultural comittee. 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.

## **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 comittee will organize programs like NSS Camps, Swatch KSIT, Blood donation, Red cross etc.

## **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 comittee will report about any harassment issues to the cocerned Comittee 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.

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

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

**Response:** 4.2

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

2017-18	2016-17	2015-16	2014-15	2013-14
4	4	5	4	4

File Description	Document
Report of the event	<a href="#">View Document</a>
Number of sports and cultural activities / competitions organised per year	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 5.4 Alumni Engagement

**5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years**

**Response:**

Alumni will play a key role in bridging the gap between industry and academics. The aim of alumni association is to groom budding engineers of their alma mater and enhance their employable skills to face challenges in their career with confidence. Alumni Association activities were initiated from the year 2014.

The details of byelaws, office bearers and Executive committee members of association are in the Institute website - <http://www.ksit.ac.in/alumni.html>

The first Meet was organised on 7th December 2014. Thereafter for the convenience of the alumni it was decided to organize “Chiranthana” - alumni meet every year on 1st Sunday of November. Usually around 100 plus Alumni reunite in meet. Through social network face book alumni association has 1200 Members.

- The alumni feed back in academic matters is useful in identifying industry requirement and inculcate the same in training and add on courses.
- The alumni were voluntarily contributed financially for some of the events.
- The alumni interact with Institute as resource persons and are conducting workshops, delivering guest lectures and sharing their experiences with existing batch of students.
- On regular intervals alumni visit campus to train the current batch of students for coding competitions. In National Level Smart India Hackathon competition organized by AICTE and MHRD, the alumni played a key role and mentored three teams of K S I.T. Smart India Hackathon is a 36-hour non-stop coding event conducted by the MHRD in collaboration with the Government of India. In the year 2017, the team Bit Hackers selected from K.S I.T. was the only team from Karnataka to secure the first place. Team also got 3 Lakh Rupees for post development activities to implement their solution. Again in the year 2018, two teams from KSIT have emerged victorious in this nation-wide competition, securing the first place (Team Electric Sheep) in Udaipur from the Ministry of Railways, and the second place (Team Echo 18) in Panipat from the Ministry of Telecommunication. In both these teams, two of the alumni of K S I T who were Industry mentors trained the participants and accompanied Teams during the coding competition.
- One of the Alumni of Mechanical Department wrote a book titled 'Buckling of Composites' published by LAMBERT and is useful for Engineering students.
- Some of the alumni who are entrepreneurs are extending their support by providing Internship and conducting training programs.
- One of the alumni has designed and is maintaining the KSIT website and gives suitable suggestions regarding the website contents.
- Alumni are active in social service activity in the institution – “Rally for River”.
- During the cultural events and programs alumni actively participated and monitored the practice sessions of students to enhance the self confidence and performance.

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

#### 5.4.2 Alumni contribution during the last five years(INR in Lakhs)

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

**1 Lakh - 3 Lakhs****Response:** <1 Lakh

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

**5.4.3 Number of Alumni Association / Chapters meetings held during the last five years****Response:** 11

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

2017-18	2016-17	2015-16	2014-15	2013-14
1	4	2	3	1

<b>File Description</b>	<b>Document</b>
Number of Alumni Association / Chapters meetings conducted during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

##### Response:

The Vision and Mission of the institution is stated below:

##### VISION:

“To impart quality technical education with ethical values, employable skills and research to achieve excellence”.

##### MISSION:

- To attract and retain highly qualified, experienced & committed faculty.
- To create relevant infrastructure.
- Network with industry & premier institutions to encourage emergence of new ideas by providing research & development facilities to strive for academic excellence.
- To inculcate the professional & ethical values among young students with employable skills & knowledge acquired to transform the society.

Starting with a goal of being a good technical institution offering amenable education to a large group in the society, the institution has evolved itself into a good education and training centre and the Vision and Mission of the institute is now redefined as reflected above. The faculty in each department have involved in the revision of Vision and Mission for their individual departments and the institutional Vision and Mission has been arrived at by the combined involvement of all the stake holders especially the faculty.

In order to effectively achieve these Mission statements the institution has formed the following perspective plans:

- 1.The institution has plans to subject itself to several stages of accreditation that will lead to standardization of the various academic and other administrative processes.
- 2.Faculty is the backbone of any Institution of Higher Education and the quality of the faculty decides the future of the institution as well as the professional coming out of it. Hence the institution devoutly concentrates on giving excellent opportunities to the staff to improve their pedagogic skills and knowledge base.
- 3.The institution believes in providing the state of art facilities for training its students and updates the equipment in all the laboratories as and when warranted.
- 4.The institute has plans to launch programs that will bring experts from the industry as well as other institutions of repute to enhance the knowledge base as well as exposure of the students.
- 5.The institution strongly believes in the overall development of its students. In order to nurture the students in the development of their personality the institution plans to bring in several inputs from experts in the field



The running of the institution depends heavily on the participation of the faculty. Any need that arises will be noticed by the teachers and a request is made to the administration which will recommend and put up for approval with the Management. The procurement process of any equipment is handled by the concerned department and the administration will pitch in only at the negotiating stage.

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

#### **Response:**

#### **Decentralization:**

The institution is governed at different levels. The responsibility of the day to day running of the institution is decentralized into the following levels:

1. Governing Council
2. Management
3. Principal
4. Head of the Department
5. Faculty
6. Students

The Governing Council meets as and when required, but at least once in a year to review the progress made and also give a direction to the Management while approving the programs and proposals received from the stakeholders.

The Management after obtaining the approvals for the various programs envisaged, implements the same keeping in view the procedures for such implementation. The Management is vested with the responsibility of taking all the financial decisions and negotiation.

The Principal ensures that the college curriculum is academically viable and consistent with college objectives as well as the affiliating University directives. The Principal conducts regular meetings with all the Heads of the departments regarding academic activities, follow up of the academic calendar, student's progress, placement and training issues, research and extension activities, industry institution interaction, consultancy assignments, alumni interaction etc.

The primary role of the Head of the Department is to provide strong leadership. HOD will be responsible and accountable for setting and advancing the academic strategy for the department in line strategic plans and directions. The HOD drives the department on a day to day basis and is responsible for work allotment, Time Table, chasing the academic calendar, supervising the assessment and evaluation, furnishing data to the office for transmittal to the University and so on.

Faculty are given representation in different committees/cells and required to direct different programs. They are encouraged to develop administration skills by being in control of different scholastic, co-curricular, and extracurricular exercises. They act as a bridge between the administration and students

Students, the main stakeholders, are encouraged to play an active role in the Management through

representation as class representative and as coordinators of various committees.

### **Participative Management:**

#### 1. Strategic Level

The institution encourages a culture of participative management by including all the stakeholders in different activities. This level is involved in chalking out the various programs during an academic year and approving the budgets.

#### 2. Functional Level

For the different events to be conducted at the institution staff members meet, examine and share their opinions to plan and execute the event. Different groups including students are formed to discharge different roles and responsibilities in conducting the events. Faculty drive both the academic and non-academic activities in the institute.

Faculty are associated with drawing up the departmental annual budget.

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

## **6.2 Strategy Development and Deployment**

### **6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution**

#### **Response:**

#### **Perspective/Strategic plan:**

The institution has plans for its all round development. Improvement, up gradation and refinement of the existing set up is an unending process and the institution will keep abreast with the benchmarking institutions in the country.

Accreditation of the institute under various boards is the prime concern. The institution has now embarked on such initiatives as:

1. IEI Accreditation
2. NAAC Accreditation
3. NBA Accreditation

One such initiative is IEI Accreditation that has been completed.

IEI accreditation will make college/Institute ready for all statutory and non statutory compliance. This accreditation process addresses the technical education issues in national and global perspective. It is an indicator that Colleges can consider further to go for NAAC and NBA accreditation. Hence, IEI accreditation was truly be a take-off point in our efforts to get accreditation.

This accreditation process had the following milestones:

- Institute became IEI member on 12.12.2014 and then decided to go for accreditation to avail its benefits.
- As a first step, the application for accreditation was sent to IEI to Accredit the BE courses being conducted in our college.
- The President of IEI accepted the application and constituted the committee for Accreditation and intimated the same to the institution.
- On 23/11/2015, IEI inspection committee visited the institution. The committee was headed by Dr.K.Brahma Raju, Chairman, along with Dr.P.Mallikarjuna Rao, and Dr.Perisrinivasa Rao, as members of the committee. The members inspected the documents in all the departments.
- The council meeting of IEI held during April 2016 at Ahmadabad accorded accreditation to the following BE courses.

1. Electronics and Communication Engineering
2. Computer Science Engineering
3. Mechanical Engineering

File Description	Document
Any additional information	<a href="#">View Document</a>
Strategic Plan and deployment documents on the website	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### **6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism**

#### **Response:**

The Institute is run by Kammavari Sangham (R), which is a multi-activity nonprofit oriented voluntary service organization, providing charitable service to the community and society with a firm belief that quality and meaningful education can lay a strong foundation for bringing about economic and social changes to the lives on many in the society.

The Governing Council that is constituted as per the directives of the Sangham and include the current Office bearers of the Management, four members as nominated by the Management, one nominee each

from VTU, DTE and AICTE, CEO as special invitee, and Principal as Member Secretary.

The Management includes the President, the Secretary and the Treasurer. The Management has the responsibility of running all the institutions under the Sangham on a day to day basis. They are involved in policy decisions and the approvals in all the financial issues.

The institute has recently constituted an Academic Advisory Board consisting of a Chairman and three eminent members to advise the Management in all the academic matters. The Chief Executive Officer is also the Member Secretary of the Advisory Board and responsible for implementation of the decisions taken by the board and report to the Board.

The Principal / Director is the functional authority for all the academic activities carried out in the institution and achieve the goals.

The institute has various departments with Heads of the Department whose roles are multifold. They are responsible for driving the academic as well as non-academic activities in their departments. The HODs are also responsible for the development of both teaching and non-teaching staff in their respective departments.

The Public Relation Officer has got a prominent role in Institution in terms of dealing with Parents as well as the students. He is also responsible for branding of the institution and promoting the admissions.

The institute continues to have Industry interactions, provides required training, and creates placement opportunities for students through the Placement and Training Officer.

The institution has a well equipped library with Chief - Librarian and supporting staffs.

The Office and administrative wing has a Senior Manager guiding the different sections and staff.

There is a Staff Hand Book that governs all the HR issues and service rules in the institution. The recruitment of the teaching and non teaching staff members are as per the prevailing regulations of the regulatory bodies like AICTE and VTU.

### **Grievance Redressal Mechanism:**

There are twenty eight committees that are in place to handle the grievances of the stake holders. The institution has constituted these committees as per the norms of the regulatory authorities. The Redressal Mechanism involves receiving a grievance application/complaint and conduct an enquiry into the complaints and file a report to the Principal. The report will be very detailed in nature containing the evidences, findings and recommendations. The Principal /Director will discuss the report with the Management and take appropriate action.

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

**6.2.3 Implementation of e-governance in areas of operation**

- 1.Planning and Development**
- 2.Administration**
- 3.Finance and Accounts**
- 4.Student Admission and Support**
- 5.Examination**

- A. All 5 of the above**
- B. Any 4 of the above**
- C. Any 3 of the above**
- D. Any 2 of the above**

**Response:** C. Any 3 of the above

<b>File Description</b>	<b>Document</b>
Screen shots of user interfaces	<a href="#">View Document</a>
ERP Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions**

**Response:**

To fulfill the vision of the institute, various committees are formed with specific objectives for holistic development to provide a better educational platform for students. To state the successful implementation and smooth functioning of the institute an example of Stock Verification Committee is explained as follows:

**Stock Verification committee:**

The stock verification committee has been formulated to verify the actual status of the equipments, facilities both minor or major, in the laboratory and other facilities and file a report to the administration .

The committee conducts a meeting within the department chaired by the Principal in order to carry out the stock verification process every year. There will be one representation from each department to finalize the

formats and the process of carrying out the stock verification. Every year a committee will be formulated to carry out the process in a smooth way. After the verification they will submit the report on each lab that has to be consolidated and submitted to the higher authority.

Date of Meeting	Discussion on Issues/ Action	Remarks/ Action taken
09/12/2017	Inter department annual stock verification in the next semester	
10/06/2017	Formulate the group for stock verification	Stock verification completed
15/12/2016	E-scrap list prepared	E-scrap disposed
9/06/2016	Stock verification	Stock verification completed
2/12/2015	Formulation of annual stock verification committee	committee has been formulated
20/06/2015	Annual stock verification has been scheduled	Stock verification completed
10/12/2014	To discuss the preparation of out of syllabus equipment	List of out dated equipment
14/06/2014	Annual stock verification has been scheduled	Stock verification completed

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

### 6.3 Faculty Empowerment Strategies

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

##### Response:

K. S. Institute of Technology believes in the strength of human resource in the institute. The faculty members are all aligned with institutional goals. The institute also strives to motivate and empower the faculty to create sense of direction and positive awareness in teaching learning process. It recognizes their hard work and acknowledges their needs and requirements. The institute also takes care for the welfare of their staff members. Some of the initiatives taken by the institute are listed below.

1. Group Insurance for the faculty.

- 2.EPF to all faculties as per PF act.
- 3.ESI facility to eligible employees.
- 4.Medical leave
- 5.Uniforms are provided for drivers
- 6.Accidental insurance
- 7.Employee Marriage leave
- 8.Financial support to attend Workshops, FDPs and conference.
- 9.The institute felicitates the teaching and non-teaching staffs who have served the organization for 10 years.
- 10.For special achievements staffs are being felicitated in college functions.
- 11.The institute encourages its staff to participate in extracurricular activities such as NSS camp, Red Cross, sports etc.
- 12.Creates a sense of belongingness amongst faculty members by involving them in various committees.
- 13.Regular workshops, FDP and conferences are conducted for the benefit of the faculty.
- 14.Regular group meditation is being conducted

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

### 6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

**Response:** 6.38

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	0	16	3	8

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years



**Response: 2.8**

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	4	3	5	0

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response: 43.46**

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
58	49	70	35	18

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

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

**Response:**

The institute strictly follows all the basic recruitment and promotional policies as stipulated by AICTE. The performance appraisals are done in a transparent manner at regular intervals.



**Teaching Staff:**

Each and every faculty member completes the self appraisal procedure every year in the prescribed format.

The appraisal is done on the following metrics:

- Teaching learning process - evaluation
- Faculty feedback from students
- Awards/Rewards obtained by the faculty and staff
- Contribution towards extracurricular and co curricular activities not restricted only to their department
- Research contribution of staff in terms of research projects, publications and guidance provided to students for involvement in research

After reviewing the details filled by the employee, the HOD puts his/her remarks and forwards the same to the Principal who will then discuss the strength and weakness with the staff and finally forwards his recommendation to the management.

**Non Teaching Staff:**

The appraisal for non teaching staff is carried out by their respective department teaching staff which is then forwarded to the HOD. After the reviews of HOD it is then discussed by the Principal and Management.

Also,

1. The institute every year felicitates the staff members who have give 100% result in their subjects.
2. The institute felicitates the teaching and non-teaching staff who have served the organization for 10 continuous years.
3. For special achievements of teaching and Non-teaching staff, they are felicitated in college functions.

File Description	Document
Any additional information	<a href="#">View Document</a>

**6.4 Financial Management and Resource Mobilization****6.4.1 Institution conducts internal and external financial audits regularly****Response:**

The main source of income to the institute is the fee that is collected every year. In addition the Sangham also supports the institution as and when required from its own sources. Income includes the tuition fee, bus fee, bank interest, FD interest, mess collection, parking fee and other income. Expenditure includes, electricity charges, repairs and maintenance, salaries to staff, EPF contribution, staff ESIC, staff welfare,

institution advertisement, travelling expenses, telephone charge, postage and telegrams, news paper and periodicals, lab consumables, professional charges, university and other fee, meeting expenses, sports and games, garden maintenance, printing and stationary, internet charges, UPS maintenance, housekeeping expenses, R&D, audit fee, building tax a few to list.

Institution has well experienced auditor who audits the institutional accounts annually and certifies the same. Internal auditing mainly focuses on how funds are utilized and are receipts given and the books of accounts are maintained as per requirement. Institution accurately maintains Balance Sheet reflecting its assets and liabilities.

Finally the audit findings are documented and an audit report is submitted. A review of audit work may be done if necessary.

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

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

**Response:** 8.34

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

2017-18	2016-17	2015-16	2014-15	2013-14
0.75	2.89	3.45	0.75	0.5

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	<a href="#">View Document</a>

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

**Response:**

The funds collected by way of fees and other sources is well documented and a Budget is prepared every year. The process of budgeting involves- Preparation of departmental budget – Preparation of Institutional Budget and – Preparation of Group Budget.

The Departmental Budget is prepared at the Department by the Budget Committee who will take into account the requirements of the entire department reflecting both recurring and non-recurring expenditure for a given financial year.

The Principal will collect all the departmental budgets and prepare the institutional budget that will be submitted to the Management for approval.

File Description	Document
Any additional information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

### 6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

#### Response:

#### Best Practice 1: IQAC Contribute, Monitor and evaluate the Teaching & Learning processes

- IQAC has helped the teaching community to interpret the Course objectives and Course Outcomes that were introduced for each courses by the affiliating University.
- Regular Class Committee Meeting (CCM) were periodically conducted for the improvement of the teaching learning process by deliberating test performance, attendance issues, syllabus coverage, identification of needs for co-curricular activities.
- IQAC was also involved in monitoring of course files, course/lesson plans, modes of delivery, websites referred, number of periods engaged and teaching aids required for topics planned.
- Assignment questions and module wise question banks were provided and subject wise feedback was collected and analyzed periodically.
- Pedagogical skills were incorporated in teaching and learning processes.
- Special classes for slow learners were arranged and monitored.
- Feedback was collected and analyzed from all the stakeholders (students, alumni, industry experts, Faculty and parents) about college infrastructure and teaching learning process.

#### Best Practice 2: Initiatives of the IQAC in Promoting Research in the institution

- Encouragement was given to write project proposals to maximum funding agencies by providing information on the funding agencies, Proposal formats, priority areas of funding agencies like DRDO, ISRO, VGST, DST etc.
- Research review meetings (RRMs) were regularly conducted for the Research scholars who are registered under KSIT Research center to monitor the progress of research work and disseminate the thrust research areas to other faculty.
- The institute/department encourages the students and faculty to utilize the laboratories, library, computer Centre and software tools for carrying out their academic/research projects. IQAC also helps the administration in identifying different needs in terms of computational requirements, additional infrastructure, new softwares, learning resources, furniture and other gadgets that are

required for making the system more efficient.

File Description	Document
Any additional information	<a href="#">View Document</a>

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

#### **Response:**

As a process of continuous and consistent improvement in the overall performance of institution, IQAC has actively channelized all its efforts to promote academic excellence.

Principal, HODs and IQAC Coordinator will prepare Academic Calendar of the Institute by considering University Academic Calendar and List of Public holidays announced by the State Government. IA schedule and all other important events will be finalized and reflected in the Institute Academic Calendar in the beginning of every semester itself.

A detailed course plan is prepared by each course owner and it includes course objectives, course outcomes, mode of delivery, number of periods, teaching aids required, text books and references. This course plan is used by IQAC as a yardstick to evaluate the actual performance of the course owner.

IQAC has introduced a new system of setting two sets of question papers for every internal assessment in each subject, out of which one paper is selected by the Principal. The questions are framed by following the Blooms Taxonomy and indicate course outcomes and Bloom's level.

Students are also given Assignments before every internal assessment test to satisfy the requirements of the University Regulation.

The internal assessment tests are carried out in the same manner as that of the end semester university examinations. Invigilation process is carried out by the staff across the departments. Feedback about question paper is taken from the students and module coordinators after each IA test. A result analysis is carried after every IA evaluation and CO-PO attainment is calculated. Test results and final Exam results are submitted to IQAC for further analysis.

IQAC has formed an Internal Academic Audit Committee to check academic related files across all the departments. The Academic Audit Committee Members review the record of attendance, internal assessment process, lesson plan execution, lab conduction, proctor system, remedial classes, and other teaching-learning processes twice in a semester. Two senior faculty members are selected from each department for execution of the Audit. Instructions are delivered to all the committee members with key indicators for seamless implementation of the audit. Auditors are provided a pre-defined template to record audit findings. Consolidated reports are submitted for each individual faculty for each department. These consolidated audit reports submitted to the Principal for his observation and directions.

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

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

**Response:** 0.6

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

2017-18	2016-17	2015-16	2014-15	2013-14
3	0	0	0	0

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	<a href="#">View Document</a>

### 6.5.4 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

**A. Any 4 of the above**

**B. Any 3 of the above**

**C. Any 2 of the above**

**D. Any 1 of the above**

**Response:** B. Any 3 of the above

File Description	Document
Details of Quality assurance initiatives of the institution	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

#### Response:

The institute strives to continuously improve and sustain quality in all the aspects of education. The Governing Body, Academic Advisory Board, IQAC, Principal, the teaching fraternity, administration, the various departments, students and other stake holders jointly contribute towards making the college an institution pursuing excellence. Hence, the students are not only employable but have an all round development with qualities and confidence of true professionals and turnout to be independent and responsible citizens.

Teaching, Learning and Evaluation in the institution is strictly governed by VTU Regulations. The University and thereby the institution have adopted outcome based education. Attainment calculations of the COs, POs and PSOs have been carried out. Every year the best outgoing student is given an award. The faculty are also awarded for 100% results. University rank holders are also given gold medals by the institute.

Senior and well experienced faculty have been inducted into the faculty to mentor the other faculty and research scholars and also bring in a culture change. Reputed academicians from premier institutions and renowned industry personnel, visit the campus to deliver lectures to both faculty and students. There has been a change from manual feedback to online feedback has been implemented. Pupil pod software was introduced to update marks, daily attendance and also update the student information to their parents. Mentoring books were introduced to counsel students at an individual level that maintains complete details of students. Meditation classes have been conducted for both staff and students to handle stress.

NSS unit was established in 2016 to expose the students to social service and sensitize them towards their social responsibilities.

**Research and Development** The institute has established R&D centers for various departments through which many scholars are pursuing Ph.D. Our Institution has progressed well during the last five years . Progressively increasing number of proposals have also been submitted to various funding agencies

The improvements made during the last five years have been tabulated below:

Details		2013-14	2014-15	2015-16	2016-17	2017
<b>Infrastructure</b>	Budget Utilization	(In lakhs)	(in lakhs)	(in lakhs)	(In lakhs)	(In L
		1215.30	1374.85	1398.35	1375.00	1644



Self Study Report of K. S. INSTITUTE OF TECHNOLOGY

<b>Library</b>	Library budget	22.5	11.10	14.50	2.95	6.25
	Books	33,827	34525	34676	34862	3510
	Journals and Periodicals	40	-	-	-	27
	E-journals			4	7	7
<b>Student</b>	Intake	441	441	441	441	441
	Admissions	423	416	393	379	353
	Students benefitted by scholarships and free ships by government schemes	211	415	465	506	597
	Students benefitted by scholarships and free ships by non- government schemes	92	101	98	75	65
<b>Faculty</b>	Faculty Number	94	99	99	95	97
	Faculty with Ph.D.	8	8	12	12	15
	Faculty with PG	92	101	103	101	92
	Participation of Faculty in various bodies	32	38	48	54	57
<b>Research &amp; Development</b>	Papers published	30	41	60	185	179
	Books Published				1	2
<b>VTU Ranks</b>		2		1	2	

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

**Response:** 5

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

2017-18	2016-17	2015-16	2014-15	2013-14
2	2	1	0	0

File Description	Document
Report of the event	<a href="#">View Document</a>
List of gender equity promotion programs organized by the institution	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 7.1.2

##### 1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

**Response:**

##### 1. Safety and Security:

The institute has security guards working round the clock taking utmost care of staff and students, which includes checking of ID cards at the entrance and exit points. The institute has installed the Surveillance CCTV cameras about 60 in number throughout the campus including parking lot for safety and security purpose. Each floor has separate rest rooms for boys and girls.

Transportation facility is provided for all the students leaving the campus after completion of late night programmes and security guards will ensure that students take their correct bus routes. Special seating preference is provided for girls using college transportation. Female faculty members ensure that all girl students leave the campus safely after late night events.

For the programs which are held outside the campus, institute provides pick up and drop facility to all the



students. Such programmes include visit to IISc, NSS camp, Sports and Industrial visits.

The institute has made 'driving license' mandatory for the staff and students coming by their own vehicle and it is also mandatory to carry a valid DL. For safety purpose those who use two wheelers, wearing helmet is mandatory. This has created good social awareness among the students and staff members.

## 2. Counselling:

Each student is having individual 'mentor book' which has been provided by the institute, containing the details of the academic personal record and counselling dates. Each faculty will be counselling/mentoring the same 20 students throughout the academic period. In this process, each faculty will counsel students separately and identify their strength and weakness so that they will be working on that cause for betterment of students. The faculty meets the parents periodically, understand and analyse their problems. The students who have failed in more than two subjects in the internal test/exam are counselled by the Head of Department and Principal, interact with their parents and provide a solution which can benefit their ward. This certainly motivates the students to perform better in their overall activities.

## 3. Common Room

The common room for boys and girls is located in the first floor of the old block which has sufficient space facilitated with tables, chairs, power supply etc. This would be helpful for the students to discuss and interact with their peers so that positive ideas may evolve. In addition to this, Wi-Fi facility is provided exclusively for students working on technical projects.

Girls' common room is spacious. All the necessary facilities are available in this common room and 'Anti sexual harassment committee' will be monitoring the common room and regularly maintains all the necessary things. A separate female attender is assigned for this common room.

File Description	Document
Any additional information	<a href="#">View Document</a>

### 7.1.3 Alternate Energy initiatives such as:

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

**Response:** 0

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

7.1.3.2 Total annual power requirement (in KWH)

Response: 228696

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

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

**Response:** 15.31

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

Response: 3968.64

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 25920

File Description	Document
Details of lighting power requirements met through LED bulbs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

**Response:**

##### **Solid waste management:**

All the corners of each floor has dustbins so that all the waste are dropped properly into them. The housekeeping personnel will collect and hand over to Municipal garbage vehicle on every day basis. All waste water lines from rest rooms are connected to Municipal drainage pipes. Waste like plastic, papers etc. are collected and sold to scrap vendor time to time.

##### **Liquid waste management:**

During heavy rains, water accumulated in various places like parking floor, roof top, corridors etc are pumped out and connected to Municipal drainage pipes. Out of this, some amount of water are utilised for gardening purpose.

##### **E-waste management:**

The institute has a very good practice of collecting E-waste such as non-working switches, electric cables,

monitors, keyboard, mouse, CPU, scanner etc. which are stored in a proper place. Once in five years, this e-waste will be disposed to Karnataka State Pollution Control Board.

The institute is proud to mention that under NSS, 'Swachh KSIT' is conducted yearly so that all the waste has been collected and making waste free environment. All the students and staff actively participate in this 'Swachh Bharat Abhiyan' guided by NSS coordinator and members. Thus institute is focussed in providing eco-friendly environment.

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

### 7.1.6 Rain water harvesting structures and utilization in the campus

#### Response:

#### Rain Water Harvesting:

The Institute has taken initiative to harvest rain water by constructing recharge pits adjacent to old building. There are five recharge pits, each of surface area 5ft x 5ft. This would be helpful to replenish ground water by recharging the underground water. It enables ground water levels to be sustained and also helps in availability of portable water, as rain water is substantially free of salinity and other salts. Since this technique has been installed in the institute, there is a gradual increase in water availability in both the borewells which are located in parking space.

In short, rainwater harvesting is a process or technique of collecting, storing and using rainwater for irrigation and to avoid ground water depletion. This technique is implemented in the institution.

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

### 7.1.7 Green Practices

- Students, staff using
  - a) Bicycles
  - b) Public Transport
  - c) Pedestrian friendly roads
- Plastic-free campus
- Paperless office
- Green landscaping with trees and plants

**Response:**

Few faculty and students of the institute use public transport and bicycles to reach the institute. BMTC bus and METRO facilities are effectively used by the faculty and students for this purpose.

**Plastic free campus:**

During the celebration of national festivals and college activities like Independence Day, Republic Day, Gandhi Jayanthi, Inauguration, Fare well, College fest etc., the green practices are followed by the college management by using eco-friendly areca leaf plates, paper cups etc., which after their use are biodegradable. This practice acts as a wonderful step towards having a plastic free campus initiative and pollution free environment.

**Paperless office:**

The paperless office is the motto of our work environment. The use of paper is greatly reduced in the office by converting all the documents and other papers into digital form.

Society changes according to the needs of the people in the era of digitalization. It would be meaningless to use the files, documents stored and stacked, where there are chances of being misplaced or burnt or destroyed. Hence the solution is digitalization, everything is stored in click of a button which would be accessible anywhere at any time according to their convince. In K S I T, to a great extent, we are following the paperless way of carrying the system forward like:

- Any messages to be intimated to the students, parents, teaching and non teaching staff, would be done through the SMS sent through **PUPILPOD**.
- Any official information to be communicated by the college would be done through the college official mail to the official mail Id's of every faculty.

**Green landscaping with trees and plants**

Since inception, the institute has maintained a green environment on its eco-friendly campus. Plantations, Lawns, gardens have been specially developed and are maintained to a great extent. The systems and processes are also checked for their greenness on regular basis.

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

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

**Response:** 0.07

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0.0376	0.1466	0.7149	0.5657	0

File Description	Document
Green audit report	<a href="#">View Document</a>
Details of expenditure on green initiatives and waste management during the last five years	<a href="#">View Document</a>

**7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:**

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

**A. 7 and more of the above**

**B. At least 6 of the above**

**C. At least 4 of the above**

**D. At least 2 of the above**

**Response:** C. At least 4 of the above

File Description	Document
Resources available in the institution for Divyangjan	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
link to photos and videos of facilities for Divyangjan	<a href="#">View Document</a>

**7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years****Response:** 0

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

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

**File Description****Document**

Number of Specific initiatives to address locational advantages and disadvantages

[View Document](#)**7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)****Response:** 6

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

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	1	0	0

**File Description****Document**

Report of the event

[View Document](#)

Any additional information

[View Document](#)**7.1.12****Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff****Response:** Yes

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

### 7.1.13 Display of core values in the institution and on its website

**Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>
Provide URL of website that displays core values	<a href="#">View Document</a>

### 7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

**Response:** Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 7.1.15 The institution offers a course on Human Values and professional ethics

**Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>
Provide link to Courses on Human Values and professional ethics on Institutional website	<a href="#">View Document</a>

### 7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

**Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>

**7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years**

**Response:** 26

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10	7	4	3	2

File Description	Document
List of activities conducted for promotion of universal values	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities**

**Response:**

National festivals and birth anniversaries celebrated at our institution are as follows:

1. Independence Day
2. Republic day
3. Gandhi jayanthi
4. Ambedkar jayanthi
5. Vivekananda jayanthi
6. Teacher's day
7. Engineer's day



The institution celebrates most of the national festivals and birth anniversaries of great personalities every year with at most enthusiasm. All staff and students come together for the celebration of these festivals.

The programs such as Independence day and Republic day is organised with the help of NSS volunteers which starts with hoisting of the Indian flag followed by national anthem and national salute. KSIT Management, Principal addresses the gathering and motivate the students and staff followed by patriotic programs by the students. The institution provides the breakfast after the program.

The birth anniversaries of eminent national leaders such as Gandhi jayanthi, Ambedkar jayanthi, Vivekananda jayanthi is organised by the institution every year, Contribution of such eminent personalities to our country and man kind will be made known to students.

The Institute also organises the Teachers day to honor the contribution of the teaches to the society in guiding the youth and in turn building the nation. Many cultural activities are also organised by the students which are presented in front of their respected teachers. Engineers Day is also celebrated by the Institution every year. Quiz and some technical events are organised on this day in memory of great engineer Dr Sir M Vishvesvarayya. His contributions to the country and Karnataka will be recognised on this day through these events.

File Description	Document
Any additional information	<a href="#">View Document</a>

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

##### **Response:**

##### **Academic:**

Academic Calendar of events will be prepared as per the VTU calendar of events which includes Internal Assessment, Lab test, Holidays, College Activities like Ananya, Alumni, and Sports. Once prepared, the calendar of events will be displayed on the department notice board and softcopy will be provided to the Faculty and Students and also available in the college website.

Class timetable will be prepared for each semester in which first year timetable will be common to all the departments. Subject allotment will be made by the individual department heads to their respective faculty based on the options given by the faculty.

Attendance of the students would be taken at the beginning of each class and the same will be sent to the students as well as their parents through online portal.

During the Internal Assessment, the seating arrangement will be taken care by the coordinators of each department and Invigilation for the test duty will also be assigned by test coordinators in an inter department manner. After the valuation, the marks will be displayed on the notice board and sent to students and parents through online portal.

**Financial functions:**

The institution has developed strategies for mobilizing resource transparency in financial management of the institution. Budgeting and optimum utilization of finance as well as mobilization of resources are the key issues handled by the KSIT management.

There are established procedures and processes for planning and allocation of financial resources. The budget process which is an inclusive and collaborative process is as follows:

Departmental Budget Templates are circulated to collect the Budget Requirements for the forthcoming year. The respective HODs of the departments then submit the requirements in the Standardized format which are consolidated. The budget includes the department capital requirements, student & faculty related expenses, event expenses, research and development, administrative expenses including lab consumables, repairs and maintenance and other infrastructure related expenses. An impress amount will be sanctioned to the Head of the Departments to meet the day to day requirements. Income and expenditure details are transparent and maintained in ledger book every year. this expenditure is audited annually.

**Administrative:**

All the administrative information is informed to the staff through office circulars regularly. All the achievements of the staff and students are appreciated in the staff meetings.

All the academic activities are excuted by different department coordinators and Head of the departments, Principal will monitor these activities.

File Description	Document
Any additional information	<a href="#">View Document</a>

**7.2 Best Practices****7.2.1 Describe at least two institutional best practices (as per NAAC Format)****Response:****Best Practice: 1**

- Title of the Practice:** *Student Augmentation*
- 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 adopts a continuous training and mentoring process throughout their stay in the institution.
- 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 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 include:

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 evaluate the projects and select 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. A list 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.

#### 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 and Nurturing.
2. **Objectives of the Practice:** To attract and retain highly qualified, experienced and committed faculty.
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 faculty 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 complete 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 grants marriage leave for staff .

**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 lectures in EDUSAT Program of **Visvesvaraya Technological University**.
- Our faculty have been awarded by various organizations for their excellence in service.

**6. Problems Encountered and Resources Required:**

- The institution needs to enhance computing facilities to all the faculty.
- The institute need to organize more workshops and conferences.

File Description	Document
Any additional information	<a href="#">View Document</a>

**7.3 Institutional Distinctiveness**

**7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust**

**Response:**

## Compulsory Enrollment of students in professional bodies

With a vision of “imparting quality technical education with ethical values, employable skills and research to achieve excellence” the institution strongly believes that professional inputs from professional bodies will imbibe better professionalism in our students. In order to achieve this, the institution has embarked upon the practice of introducing the students to the benefits of being a member of professional bodies. Thus, every student who joins the institution is made a member of ISTE and IEI in the very first year of their engineering education. Once the student branches out to his own domain he/she is made a member of domain specific professional bodies.

The distinctive feature of our institution is enrolling all the students to various professional bodies every year.

- All the first year students are enrolled to ISTE under ISTE-KSIT student chapter every year.
- All the first year students are also enrolled under IEI-KSIT student chapter every year.
- All the fifth semester Computer science students are enrolled under CSI – KSIT student chapter.
- All the fifth semester Electronics and Communication, Telecommunication students are enrolled in IETE-KSIT student chapter

Institution of Engineers India (IEI) activity was started in the institution in the year 2013-14. IEI inspected the institution on 23.11.2015 and accredited three undergraduate programs namely Computer Science, Electronics and Communication and Mechanical Engineering. IEI has conducted one FDP for the faculty and two guest lectures for the students. Over thirty faculty have got life membership. A good number of students have got scholarships. The institution has received grants to the tune of Rs. Two Lakhs to carry out student and faculty projects.

Indian Society for Technical Education (ISTE), New Delhi, has its strong presence in the institute. KSIT obtained an institutional membership (IM-1020). More than 90% of the faculty are Life Members of ISTE that led to the establishment of ISTE Faculty Chapter (KA-76). Further, the institution also has a student chapter (KA-119) that is active and has organized a talk on – Personality Development and Communication Skills by Prof. Zane Curton. One more talk was organized on- “Governance, Justice and Paradox in Self Organizing Role Oriented Sustem” by Dr Jeremy Pitt, Professor of Imperial College, London. The Institution has received the “Best Student Chapter Award” in the year 2014. Two student namely Mr. Kushal Bharadwaj (2016) of Mechanical Engineering and Mr. Rohit Babu M.G. (2017) of Electronics and Communication Engineering received “Best Student of the Chapter Award). The Institution also received in 2018 the “Best Faculty Chapter Award”. The institution has the distinction of conducting “Seventeenth State Level ISTE Faculty Convention” during the year 2014.

"KSIT has CSI Academic Institution Membership since 2014 till date. The Institution provides CSI membership to students for a period of 2years. Pre-final and final year students are the members of CSI. Workshops, technical talks, seminars, guest lectures, Faculty development programs, student conventions are conducted under CSI banner regularly. The students participate in the events conducted at the Institution and also are encouraged to participate at the events conducted by various other colleges.

The CSI committee members along with student coordinator attend meetings at CSI Bangalore chapter. The Institution has also organized “30th CSI Karnataka Student Convention in the year 2016”. The committee has successfully conducted many activities and striving hard to conduct many more events for the betterment of students.

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. At KSIT, 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. And most importantly encourage our students to contribute to real world problems.

At the time of inception, the student branch constituted around 20 members and now in the current year 2017-18 the student branch has grown with members of more than 100.

The student branch organizes various technical activities like workshops in popular areas, distinguished lectures, technical events like Innovacea 2.0 and many more every semester. The students also conduct humanitarian activities like visiting an orphanage, Government school to educate the children and spend some valuable time with them. The student members are doing excellent job with highest order of energy and interest. Hope to move on with the same pace with more sharp edge towards excellence and wider reach.

It is with much joy and anticipation that we celebrate the launch of IEEE newsletter every year.

With much pride, KSIT IEEE student branch received Best Small 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. "Vanquish" a technical event is a feather added to its cap. In this event around 250 students from various departments actively participated. The event conducts various competitions namely brain modulation, mind blown, digital fortree and wrappidups.. The winners were rewarded with prizes and certificates

Institution has conducted many workshops under the banner IETE on embedded IOT, introarduino and wireless networks and experts had given technical talks on BIG DATA, IOT , Artificial Intelligence and Block Chain

File Description	Document
Any additional information	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

The institute is centrally located which brings significant advantage to the exposure to the students. Institute is based in Raghuvanahalli within 15 Km of Bangalore City. Institute has access to Metro railway station within 1 km and on the way to Kanakapura – Bangalore state highway as well as international airport nearby Bangalore at 50 km. KSIT has campus spread across 5 acres of land in the vicinity of very big MNCs within 5 to 15 Km and 500 SMEs which has the potential to transform latest technology and research into start-ups.

KSIT has an advantage of proximity of India's big silicon hub in Bangalore city which can fulfill the demand and supply of these business set ups effectively and efficiently.

### **Concluding Remarks :**

The faculty strives hard to impart knowledge to the students in order to enhance their competency. KSIT has state of the art laboratories which are upgraded in tune with the updating of syllabus by VTU, Belgaum. The institute fosters student's research mindset and character building for a bright future so as to emerge as tomorrow's nation builders. The students are exposed to modern instruments and test facilities with well equipped learning resources. The institute also believes in developing research culture in departments and supports innovative ideas from faculty and students. The extensive students training programs and industrial visits are conducted in association with industries to enhance the skills set and employability. Conduction of technical exhibitions and participation in various competitions are helpful to students in bridging the gap between industry and academia. Institute believes that it is contributing to Engineering education, applying for NAAC is next stepping stone to ensure quality in Engineering education. Furthermore, institute is willing to assess its educational system and academic culture. In addition to it, it is essential for professional institute to receive stakeholder's perception towards teaching-learning process and supporting entities. Thus applying for NAAC is a step towards self introspection leading to further development of the institute towards excellence.