SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K.S.R. KALVI
NAGAR, TIRUCHENGODE NAMAKKAL TAMIL NADU
637215
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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

July 2021

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

K.S.R. Educational Institutions are small steps towards literacy, made into a giant leap in education - Sixteen institutions, 400 acres, 30,000 students, 5000 faculty, Kindergarten to Ph.D. level, Engineering, Dental, Nursing, Science and Humanities, Management, Polytechnic, Schools, all in one campus in Tiruchengode, Tamil Nadu. Lion Dr. K. S. Rangasamy MJF Founder-Chairman hails from rural background whose dream in uplifting rural into an educational hub offering quality education is made reality now. K S R Institute for Engineering and Technology was founded in the year 2011 by the man of great insight, Thiru. R. Srinivasan. He is the younger son of Lion Dr. K.S. Rangasamy whose altruism enlightens the society. KSRIET contains well qualified and handful experienced faculty members who act as mentors & facilitators for the students to create a comfort learning atmosphere and to produce skilled engineers with human values.

The college provides the following courses:

Undergraduate Courses:

- Computer Science and Engineering
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Information Technology
- Mechanical Engineering
- Biomedical Engineering

Post Graduate Courses:

- Embedded System Technologies
- CAD / CAM
- Software Engineering
- Big Data Analytics

Our faculty members have published more than 200 research papers in International Journals and 150 papers published in National Journals. Our students bagged 1 GOLD Medal and 14 University Ranks from Anna University, Chennai. Students make use of e-box e-learning resource to enhance 24 $\times$7 developing skills on C, data structures, Java programming and debugging.KSRIET provides higher education opportunities and make students appear for various entrance examinations. Also, Entrepreneurship Development Cell (EDC) at KSRIET creates business ideas among the students. KSRIET offers training program on Technical, Soft Skills, Verbal or Aptitude training programs and student's performance are assessed during training.Alumni portal is installed to connect the passed out students of KSRIET for the betterment of the current and future KSRIETians. As per the guidelines of Anna University, Chennai "Students Counselling and as per AICTE Instructions, Online Grievance System is available for faculty members, staff members, students and parents

Vision

To become a globally recognized Institution in Engineering Education, Research and Entrepreneurship

Mission

- Accomplish quality education through improved teaching-learning process.
- Enrich Technical Skills with state-of-the-art laboratories and facilities.
- Enhance research and entrepreneurship activities to meet the industrial and societal needs.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. State of Art infrastructure and Lab Facilities.
2. Dedicated and Experienced Teaching and Non-Teaching Faculty members
3. High Faculty retention
4. Free Bus Facilities.
5. Vibrant Training and Placement cell
6. Mentoring and counselling.
7. Well equipped library
8. More Extra and Co curricular Activities.

Institutional Weakness

1. Most of the students from rural areas.
2. Many students with average communication skills.
3. Poor utilization of resource by students.
4. Need continuous motivation and monitoring.
5. Less self learning habit.
6. Less faculty members with industry experience.
7. Lack of core placement

Institutional Opportunity

1. Skill development programmes and trainings from first year onwards.
2. Support for career and self-development of faculty members
3. Enriching students through various activities conducted Forums, cells and Clubs
4. Academic freedom for faculty members to implement their own ideas and initiatives.
5. Alumni Interaction and support
6. More companies come for campus placement.
7. Collaboration with industry for research and training
8. Organizing more valueadded courses

Institutional Challenge

1. Handling the heterogeneous group of students
2. Students' attitude and interest on studies is very less.
3. Entry of many engineering institutions.
4. Gap between curriculum and industry requirements

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

K S R Institute for Engineering and Technology imparts Outcome Based Education (OBE)to provide Student centric instruction model that focuses on measuring student performance through outcomes to accomplish our Vision and Mission. Outcomes include knowledge, skills and attitude. We strive for effective curriculum delivery by Reformed Teaching and Learning (RTL) methodologies like Activity Based Learning, Project Based Learning and Active Cooperative Learning through ICT enabled classrooms. The Institute has been recognized by the AICTE as a "Best Practices in AICTE Approved Institution" for adhering to best practices. Students' feedback about the Teaching and Learning process is collected periodically in HoD hour, Class Committee Meeting (CCM), Academic Review Meeting (ARM) and Online Feedback. One of our faculty has contributed to the curriculum development of affiliating University as a member of Board of Studies. Some of our senior faculty are the members of Department Advisory Committee in various colleges. Many of our Faculty members involved in design and development of curriculum for Values Added Courses and participated in Assessment, Evaluation process of the Affiliated University. Every year we have conducted around 40 certificated programs in various domains through value added courses. We integrate cross cutting issues relevant to gender, environment and sustainability, human values and ethics by enriching specific courses in the curriculum. Several co – curricular activities and commemorative day celebrations like International Women's Day, International Yoga Day etc. are being conducted in the college to enrich students with wide variety of co – curricular developments. Gender sensitization, environmental issues, moral and ethical values, better career options, community orientation programmes are regularly conducted. Every semester we planned 35% of courses that include experiential learning through project work / field work/ internship, so that 100% students involved atleast in any one of the programmes. We have collected the feedback on syllabus and its transaction from Employers, Alumini, Teachers and Students on every year. Then, it was analysed and action taken will be done through IQAC. Stakeholders' feedback is available in website also.

Teaching-learning and Evaluation

KSRIET adheres to the guidelines, rules and regulations laid by Tamil Nadu Government admission reservation norms for UG and PG programmes. The Institute has admitted, quality students from diversified domicile and on an average of 88% of students were admitted from reserved category during the last five years. Special initiatives are taken for improving the skills of advanced and slow learners to make them ready for the present industrial needs. Reformed Teaching Learning methodology is implemented with effective usage of ICT tools for interactive learning and easy understanding. The team of well qualified faculty is always available more than the sanctioned post at the institute with an average of 16.6% of faculty with Ph.D degree and faculty student ratio of 1:12. At present 95 fulltime faculty members with 26 doctrates are present with an average experience of 6yrs in the same institution. An effective mentoring system with an average of 1:13 mentor mentee ratio for last five years is present to resolve the academic and personal issues of the students. As the institute follows OBE with Choice Based Credit System, usage of ICT tools for quality Teaching, Self Learning

and Assessment are effectively implemented and practiced. Some of the tools include e-learning resources, digital library, google classroom, NPTEL, Terv, Great Learning etc. Internal assessment is scheduled with adherence to the university academic calendar and Bloom's Taxonomy is followed to evaluate the students' performance. An average pass percentage of 90.8% is attained for last five years in the final year examinations. Any grievances in conduction and evaluation are addressed by the exam grievance committee both for Internal and University Examinations. Quantifiable COs are framed for all courses in the curriculum and disseminated to all stakeholders through website, prominent locations, manuals and meetings. CO attainment is measured 90% by direct assessment such as formative and summative assessments and 10% by indirect assessment such as course end survey. The PO/PSO attainment is measured 80% through direct assessment from all CO attainment and 20% from various surveys like graduate exit survey, Alumni, Faculty and Employer survey.

Research, Innovations and Extension

The institute has a Research & Development Cell (R & D) to monitor and address the issues of research. The research committee consists of Principal, Head – IQAC and HODs. This cell encourages the faculty members to take up research activities by utilizing the existing facilities. Our faculty members are recognized as research supervisors in Anna University. It promotes the research culture among faculty members. It also creates network with industries and research institutions for funding and cooperation. As a result of this, we received total amount of Rs. 62.89 Lakhs under various schemes from government and non-government agencies It provides guidance for publication of papers/articles. Totally 348 research papershave been published in reputed journals by our faculty members. There are 22 books published and 304 papers presented by our faculty members.

The Institution has in place an ecosystem for Innovation and Entrepreneurship Development Cell (EDC) and Institution's Innovation Council (IIC) for Product Development. The institute Empanelled in MHRDs 'Institution's Innovation Council (IICs)' from 2018-2019. Our institute has empanelled in Unnat Bharat Abhiyan (UBA), Centre for Rural Development and Technology to provide services to rural areas.

The National Service Scheme (NSS) , National Cadet Corps(NCC) and Youth Red Cross (YRC) in the Institute actively involve the undergraduate students in voluntary social service activities for the socio-economic development of the area surrounding the institution as well as the Nation at large. They are strongly connected to the neighboring villages and the nation through an emotional and moral bonding by virtue of the passion and dedication with which the students carry out the various social service initiatives. 95 percent of our students from various branches have actively participated in extension activities through various social clubs and schemes.

The institution has 19 functional MoUs to provide field projects and internships to the students. The institution has participated in research, faculty exchange, student exchange/internship collaborative activities during the last five years. With these linkages, 85% of students got benefitted by undergone internships, industrial visits and in-plant training.

Infrastructure and Learning Resources

The institution has an expansive campus with enhancing policy for improving the infrastructural facilitieswhich

would facilitate the teaching learning processes. The college building is constructed about 17553.36sq.m. instructional area, Administrative block-2864.84sq.m, Amenities area -2084.64sq.m,circulation area-16283.72sq.m, others-7477.05sq.m Boys hostels with a capacity ofmore than 250 boarders andonegirls hostelwith a capacity of more than 250 boarders with WIFI broadcast facilities, two staff quarters, indoor and outdoor playgrounds, cricket playground hygienic swimming pool, Basketball and Tennis court ,Badminton court with wooden furnished flooring separateGymnasium for boys and girls ,canteen, first aid centre, well equipped Music and cultural club, Yoga center fully equipped a state of the AC auditorium with a seating capacity of 350, equipped withmodern audio and visual instruments, The college has also provided safe drinking water facility through installationof aqua-guards at various places in the campus and in the hostels These structures house 31 class rooms,with proper lighting, seating and ventilation, smart classrooms with ICT tools facilities, 7 seminar halls two conference halls, administrative and staffrooms, admission and examination cells, fully automated library with more than27780 books and journals, 187 e-journals and 10906 e-books, and browsingcentrewith30broadbandconnectedcomputers,59laboratories with an area of 83405.28sq.m fully equippedwithadvanced technology of instrumentations. In IT infrastructure, with WIFI broadcast high bandwidth the college is equipped with more than 818 Computers, ofwhichmorethan500areinternetconnected. All the facilities and labs are maintained periodically.

Student Support and Progression

KSRIET has always been a student-centric institution. Student mentoring and support has been a primary focus of the Institution. The students are mentored from the time of admission up to the completion of their programme at various levels. All departments have associations under the support of which students can interact with eminent academicians, Industrialist, and scientists. The scholarship section provides information on various financial support schemes. Totally 5190 students are benefitted through state, central government scholarship scheme and 1532 students are benefitted by KSRIET and other agencies scholarship schemes in the last five years. The Training and Placement Cell arranges training on both Technical, Non-technical for campus recruitment and 1055 students are placed, 68 students gone for higher studies in the last five years. In addition, the institute has granted membership of students in various administrative and academic bodies of the college such as IQAC, Library Committee, Hostel Committee, Canteen Committee, Department Advisory Committee, Class Committee Meeting, ISTE Chapter, IEI chapter of the College and 2589 students are actively participated in last five years. Other support services include redressal of Students Grievances through Online, inhouse language laboratories, Training and Placement Cell, Alumni Association, and canteen. Girl students can address their grievances through the Vishaka Comittee (which addresses sexual harassment cases). Students in need of counseling have access to professional counselors. The Music Club and Tamil Mandram are a boon for music lovers as well as speakers and for those who aspire to learn as a pastime. The Physical Education department with the Indoor, impressive court and tracks provides avenues for sports and games. Students received 78 awards in State and University level, 3366 students participated in the sports and cultural events in the last five years. Students actively participate in extension activities through NCC, NSS and Youth Red Cross.

Governance, Leadership and Management

The main aim of our institution is to provide quality technical education with adequate industrial exposure and innovative teaching and learning methods. This vision is pursued by the administration of the institution and efficient governance through inspired leadership. A culture of participatory management is practiced at all levels. Both the top-down and bottom-up approaches are used to effectively implement policies. The Management, Principal, Faculty members, Non-teaching staff, IQAC and Governing Council work together to

ensure the smooth functioning in the institution. The efforts are taken by the Principal to develop the culture of excellence with strategic goals. Various committees involving the faculty members are constituted by the Principal for the proper execution of strategic plan. The Principal and the Convener of the various committees actively take part in the effective functioning of the institution. Interaction is done regularly with students through a feedback mechanism, besides giving participation to students as members in various administrative committees. The organizational changes are carried out by the Principal with approval of Management. The institution is providing effective welfare measures both for the teaching and non-teaching staff like insurance, free transport, etc. Financial support has been provided for 329 faculty members to attend conference, workshop, FDP, etc., during last five years. The budget proposals are made on different heads such as laboratory equipment, library expenses, salary, building infrastructure and other maintenance expenses, etc., required for every year. The finance committee approves the budget proposals. Internal Quality Assurance Cell (IQAC) that plays a proactive role in reviewing the current status and evolves programmes, policies and suggestions to improve quality in teaching and research. The prime objective of the IQAC is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution. The IQAC promotes institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Institutional Values and Best Practices

KSRIET observes highest ethical standards in all its activities. Equal opportunities are provided to all individuals irrespective of gender, race, caste, color, creed, language, religion or other opinion, national or social origin, property, birth or other status. Gender sensitivity is an inherent value in the cultural ethos of the institute by providing the facilities such as safety and security, counselling, common rooms and women empowerment cell. College has facilities for alternate sources of energy and energy conservation measures in the following:

- Solar Energy
- Biogas Plant
- Sensor-based Energy Conservation
- Use of LED Bulbs

The college segregate the following waste:

- Solid Waste
- Liquid Waste
- Waste Recycling System

By realizing the importance of water, our college have a few water conservation facilities such as Rain Water Harvesting, Borewell & Open Well Recharge, Tanks, Bunds, Waste Water Recycling, Maintenance of water bodies and Distribution System. The institutional and energy initiatives are confirmed through Green Audit and Energy Audit. Besides, the college provides the necessary facilities to disabled persons such as lifts, washrooms, display boards, signposts etc.

Commemorative days like Independence Day, World Youth Day, Yoga Day, Republic Day, Teacher's Day, Women's Day, Science Day etc. with many regional festivals like Pongal and VinayakarChadurthi are celebrated in the college to provide an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities. There are different grievance

redressal cells in the institute like Student Grievance Redressal Committee, Students Counselling Cell which deal with grievances without considering anyone's racial or cultural background.

Moreover, our college had implemented Two Best Practices, 'Reformed Teaching and Learning' and 'Research'. The strength of KSRIET is Training and Placement activities to the students. Students are trained from Day 1 on Communication Skills, Aptitude, Soft Skills, Programming Skills and other necessary Technical Skills to meet the needs of the industries. It is being done in the name of 'Placement Readiness Programme'. The ultimate objective of this programme is to make students the industry ready engineers

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY
Address	K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K.S.R. KALVI NAGAR, TIRUCHENGODE NAMAKKAL TAMIL NADU
City	Tiruchengode
State	Tamil Nadu
Pin	637215
Website	www.ksriet.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	M.venkatesan	04288-274773	9944456056	04288-274773	principal@ksriet.ac.in
IQAC / CIQA coordinator	P.veena	04288-274741	9600343366	04288-274742	veena_gce@ksriet.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

Date of establishment of the college	13-07-2011

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	**University name**	**Document**
Tamil Nadu	Anna University	View Document

Details of UGC recognition		
Under Section	**Date**	**View Document**
2f of UGC	25-10-2016	View Document
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	View Document	15-06-2020	12	AICTE Gives Extension of Approval Every Year

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

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY, K.S.R. KALVI NAGAR, TIRUCHENGODE NAMAKKAL TAMIL NADU	Rural	12.42	39770.36

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Biomedical Engineering	48	Higher Secondary	English	60	43
UG	BE,Electrical And Electronics Engineering	48	Higher Secondary	English	60	23
UG	BE,Electronics And Communication Engineering	48	Higher Secondary	English	60	51
UG	BE,Mechanical Engineering	48	Higher Secondary	English	60	23
UG	BTech,Information Technology	48	Higher Secondary	English	60	60
UG	BE,Computer Science And Engineering	48	Higher Secondary	English	60	60
PG	ME,Electrical And	24	BE	English	6	1

	Electronics Engineering					
PG	ME,Mechanical Engineering	24	BE	English	6	2
PG	ME,Information Technology	24	BE	English	6	0
PG	ME,Computer Science And Engineering	24	BE	English	6	1
Doctoral (Ph.D)	PhD or DPhil,Electrical And Electronics Engineering	36	ME	English	6	0

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				13				68
Recruited	10	4	0	14	7	6	0	13	47	21	0	68
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
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				36
Recruited	21	15	0	36
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
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				12
Recruited	8	4	0	12
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	10	4	0	5	5	0	2	0	0	26
M.Phil.	0	0	0	1	1	0	5	2	0	9
PG	0	0	0	1	0	0	40	19	0	60
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	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
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	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
UG	0	0	0	0	0	0	0	0	0	0

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

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

Programme		**From the State Where College is Located**	**From Other States of India**	**NRI Students**	**Foreign Students**	**Total**
UG	Male	761	10	0	0	771
	Female	258	2	0	0	260
	Others	0	0	0	0	0
PG	Male	3	0	0	0	3
	Female	2	0	0	0	2
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	1	0	0	0	1
	Female	0	0	0	0	0
	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	15	28	47	23
	Female	12	12	16	27
	Others	0	0	0	0
ST	Male	0	1	1	0
	Female	0	1	1	0
	Others	0	0	0	0
OBC	Male	154	105	229	181
	Female	55	30	67	85
	Others	0	0	0	0
General	Male	3	1	7	10
	Female	0	0	3	1
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		239	178	371	327

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Extended Profile

1 Program

1.1

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

2019-20	2018-19	2017-18	2016-17	2015-16
380	400	397	405	401

File Description	Document
Institutional data prescribed format	View Document

1.2

Number of programs offered year-wise for last five years

2019-20	2018-19	2017-18	2016-17	2015-16
9	9	9	9	9

2 Students

2.1

Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1046	1266	1563	1721	1829

File Description	Document
Institutional data in prescribed format	View Document

2.2

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

2019-20	2018-19	2017-18	2016-17	2015-16
248	344	344	340	422

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2019-20	2018-19	2017-18	2016-17	2015-16
327	425	437	514	461

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

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

2019-20	2018-19	2017-18	2016-17	2015-16
89	102	140	148	148

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
89	102	140	148	148

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 40

4.2

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

2019-20	2018-19	2017-18	2016-17	2015-16
210.63	274.42	273.72	256.99	190.56

4.3

Number of Computers

Response: 810

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:

K S R Institute for Engineering and Technology (KSRIET) is affiliated to Anna University, Chennai and all the UG and PG programs follow the curriculum and syllabi framed by the University. Our Institution imparts Outcome Based Education (OBE) to provide Student centric instruction model that focuses on measuring student performance through outcomes to accomplish the Vision and Mission of our Institute. Outcomes include knowledge, skills and attitude.

KSRIET strives for effective curriculum delivery by Reformed Teaching and Learning (RTL) through ICT enabled classrooms. RTL methodologies like Activity Based Learning, Project Based Learning and Active Cooperative Learning are discussed among the Course Coordinators (CC), Module Coordinators (MC) and Program Coordinator (PC) and it is reviewed in Department Advisory Committee (DAC) to provide the best learning ambience for students. Based on the Academic calendar and Timetable, the micro level course plan is prepared for each hour. Tutorial classes are conducted for analytical courses. Two faculty members are engaged to conduct and evaluate tutorial classes. For the laboratory courses, student's preparation level and performance are assessed by conducting pre-lab and post-lab evaluation

The COs for all courses are mapped with POs and necessary steps are taken to fill the gaps. To attain all the POs / PSOs, the Institution makes additional efforts to impart such knowledge by covering the aspects through Content Beyond Syllabus (CBS), Value Added Courses (VAC), Business English Certification (BEC) Courses, Workshops, Guest Lectures and Seminars delivered by eminent resource persons. Also, more attention is paid to experiential learning like Industrial visits, In-plant training, Internship and Project work to supplement classroom teaching.

Based on the recommendation given by the DAC members, all the above activities are planned and forwarded to Internal Quality Assurance Cell (IQAC) and Governing Council (GC) respectively. Resolutions taken by IQAC and GC are implemented. Moreover, letters are sent to the Director-Academic Courses, Anna University regarding the curricular gaps with respect to different Components.

Industry Internships provide the optimum learning experience as well as research opportunities to the students. This is made possible by establishing industry supported laboratories. To enrich the knowledge of students, faculty members apply wide range of techniques, such as Collaborative Learning, NPTEL lectures, Case studies, Projects, Surveys, Quiz, Assignments, Field Trip, etc., apart from conventional methods. The Institute has been recognized by the AICTE as a "Best Practices in AICTE Approved Institution" for adhering to best practices.

Students' feedback about the Teaching and Learning process is collected periodically in HoD hour, Class Committee Meeting (CCM), Academic Review Meeting (ARM) and Online Feedback. The feedback is discussed in the department faculty meeting for improving effective curriculum delivery.The Internal

Assessment and End semester exam performance are analyzed. CO, PO and PSO are evaluated and continuous improvement of Teaching and Learning is implemented.

File Description	Document
Link for Additional information	<u>View Document</u>

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

Academic Calendar is a schedule of academic events and holidays. It facilitates proper planning and execution of various activities. Based on the University Academic Schedule, Institution Calendar and Department Calendar are prepared. The major dates specified in the University schedule includes: Reopening date, Last Instruction Date, Commencement of End Semester Examinations and Reopening date for next semester. Further, the practical slots and web portal entry schedules are also given.

The Institution academic calendar includes the details of Internal Assessment, Revision, Model Exams, Training Programmes, Holidays and Technical Events like Symposium and Conference etc. It also includes major events like Annual day and Sports day. In Department calendar, each department plans their activities like VACs, Guest Lectures, Workshops, Association activities etc. It contains the complete academic plan for the semester which includes: Submission of Course files, Distribution of study materials, Syllabus completion, Schedule of Internal Assessment, Parents meeting, Internal Assessment marks and Progress intimation to parents.

Three Internal Assessment per semester are conducted as per the University norms. The entire course (5 units) is divided into three parts for three tests (IAT1- 2 units, IAT2- 2 units, IAT3-1 unit) as per the Academic calendar schedule. The Internal Assessment question paper and scheme are prepared by CC and the level of Bloom's taxonomy and the quality of the question paper are verified by MC. If the quality of question paper is not satisfied, then it is given for correction to the CC. On satisfactory standard of question paper, the PC gives the final approval.

The evaluation is done by CC based on the scheme within two consecutive days on closure of their respective exams. The attainment levels of COs are calculated. The slow learners are identified and their performance is improved by remedial classes and mentoring.Performance in each course is evaluated based on continuous internal assessment throughout the semester and University examination at the end of the semester. Each course, both theory and practical (including project work and viva voce) is evaluated for a maximum of 100 marks.

The continuous Internal Assessment carries and the End Semester University examination carries 20 marks and the End Semester University examination carries 80 marks. Pre-lab and Post-lab tests are conducted to assess Students' level of understanding in the Laboratory classes. Viva voce is conducted during every practical session. Evaluation is done for 100 marks for each experiment. Model practical examinations are conducted to evaluate the performance of the students. Based on continuous performance and model examination performance, the internal mark is awarded. End Semester University Practical examination is conducted as per the University question paper sets.

File Description	Document
Link for Additional information	<u>View Document</u>

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. **Academic council/BoS of Affiliating university**
2. **Setting of question papers for UG/PG programs**
3. **Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**
4. **Assessment /evaluation process of the affiliating University**

Response: B. Any 3 of the above

File Description	Document
Institutional data in prescribed format	<u>View Document</u>
Details of participation of teachers in various bodies/activities provided as a response to the metric	<u>View Document</u>

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Response: 100

1.2.1.1 **Number of Programmes in which CBCS / Elective course system implemented.**

Response: 9

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	<u>View Document</u>
Institutional data in prescribed format	<u>View Document</u>

1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 62

1.2.2.1 **How many Add on /Certificate programs are offered within the last 5 years.**

2019-20	2018-19	2017-18	2016-17	2015-16
9	12	14	15	12

File Description	Document
List of Add on /Certificate programs	[View Document](#)
Brochure or any other document relating to Add on /Certificate programs	[View Document](#)

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

Response: 53.39

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

2019-20	2018-19	2017-18	2016-17	2015-16
479	712	921	1105	764

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	[View Document](#)
Any additional information	[View Document](#)

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

KSRIET integrates crosscutting issues relevant to gender, environment and sustainability, human values and ethics by enriching specific courses in the curriculum. The institution strongly believes that addressing crosscutting issues have a direct impact on achieving the sustainable development of the nation. KSRIET offers courses that integrate crosscutting issues as part of the curriculum prescribed by Anna University.

The curriculum includes courses on Professional Ethics in Engineering to all the students. This enables the students to learn global issues, leadership, code of conduct, loyalty and to appreciate the rights of others.

KSRIET has formed an Anti-Ragging Committee to prevent any sort of ragging either mental or physical that can be forced upon the students. It ensures that the students are not ragged either within the college or outside. Members of the committee monitor the students to ensure ragging free campus.

Our institute has constituted Women Empowerment Cell for the women faculty members, staff members and girl students to enhance understanding of issues related to women and to make the college campus a safe place for them. Aiming at intellectual and social upliftment of the female students, the cell stands for facilitating women empowerment through Seminars, Life skills and Entrepreneur training programmes, Awareness programmes and other welfare activities such as Womens' Right, Personal Hygiene and Physical Fitness etc.

Sexual Harassment Committee (Vishaka Committee) has been formed to spread the awareness of gender issues among the students. It also ensures that they have access to opportunities, devoid of any gender bias or discrimination on the grounds of sex, to help them rise to their full potential. The committee reviews any cases of sexual harassment and provides proper redressal.

KSRIET being a green campus, is improving energy efficiency by conserving the natural resources for creating healthy living and learning environment. It has been constructed amidst the lush green trees. The institution has taken the efforts to give awareness on environmental issues and its sustainability to society through extension activities by NSS. The Institution has implemented rain water harvesting system to recharge ground water by collecting the rain water from the catchment areas from roof top of buildings through organized trench and storing in reservoir which is used for gardening and construction works. Sewage water has been treated and reused for landscaping and agriculture. More than 90% of day scholar students and faculty members are using college buses for travel. All the branches of engineering have a subject focuses on the Environmental issues and sustainability in their curriculum.

Awareness programmes are also initiated by NSS and Eco Club which extensively carry out activities like tree plantation, waste management for environmental awareness, protection and ecological preservation. It educates the students about their immediate environment and causes of its deterioration. Some of the open elective courses offered include Hospital Waste Management, Energy Conservation and Management, Disaster Management etc. The Centre for Sustainable Energy Research organizes seminars and workshops related to innovative renewable energy products.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	[View Document](#)

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 3.14

1.3.2.1 **Number of courses that include experiential learning through project work/field**

work/internship year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
15	14	10	10	13

File Description	Document
Programme / Curriculum/ Syllabus of the courses	[View Document](#)
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	[View Document](#)

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year

Response: 31.26

1.3.3.1 **Number of students undertaking project work/field work / internships**

Response: 327

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	[View Document](#)
Any additional information	[View Document](#)

1.4 Feedback System

1.4.1 *Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni*

Response: B. Any 3 of the above

File Description	Document
Any additional information (Upload)	[View Document](#)
URL for stakeholder feedback report	[View Document](#)

1.4.2 Feedback process of the Institution may be classified as follows: Options:

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

2.Feedback collected, analysed and action has been taken

3.Feedback collected and analysed

4.Feedback collected

5. Feedback not collected

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

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 63.62

2.1.1.1 **Number of students admitted year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
239	178	371	327	459

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
360	498	498	492	612

File Description	Document
Institutional data in prescribed format	[View Document]
Any additional information	[View Document]

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 78.94

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

2019-20	2018-19	2017-18	2016-17	2015-16
207	176	314	296	345

File Description	Document
Average percentage of seats filled against seats reserved	[View Document]
Any additional information	[View Document]

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

The institution assesses the learning levels of the students through higher secondary results, the performance in the bridge programme, Continuous Assessment results and Univesity examinations. The assessment procedure is a statistical process of making the three levels like Advanced, Average and Slow learners on the basis of the central tendencies (mean plus and minus Standard deviations). The faculty members develop significant strategies and implementations to benefit both the advanced learners and slow learners in the education system without forgetting the average performers.

Special Programs / Initiatives for Advanced Learners

- Advance learners are given flexibility in curriculum for taking up more credits and complete the theory subjects in advance of the semester.
- They can opt for fast track course completion and complete all the 8th semester courses in the 6th and 7th semester. They can take up project work for the entire 8th semester.
- Advanced Training Program is conducted to crack the placement process of reputed companies with higher package.
- Mentoring by faculty is done to advanced learners in the aim to improve CGPA.
- Advanced learners are motivated to strive for higher goals. They are provided with additional inputs for better career planning and growth through offering special coaching for higher level competitive examinations like GATE, TANCET etc
- Advanced learners are motivated to take up NPTEL and other certification courses to help them in their higher education and placement
- Award functions are organized to appreciate the toppers from each class and are awarded with prize for their academic achievements in University results during annual day and association functions.

Special Programs / Initiatives for Slow Learners

- Slow learners are given flexibility in curriculum to drop courses and extend their period of completion.
- Faculty Mentoring is conducted on regular basis every week for slow learners to improve in academic/non academic matter.
- Remedial classes are conducted to improve the performance of slow learners.
- Peer to Peer Learning by grouping slow learners with advanced learners in laboratories, project works and tutorial classes is done to get assistance in their academics.
- Periodic Interactive sessions with the parents about the performance of slow learners are conducted.
- Representatives from slow learners are included as class committee members to share their opinion and requirement

File Description	Document
Upload any additional information	[View Document](#)

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 11.75

File Description	Document
Any additional information	[View Document](#)

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:

K S R Institute for Engineering and Technology offers blended methods for Teaching learning process. Teaching-learning is made more interesting and effective through interactive student participation. As the role in design and development of the curriculum is limited, the Institute takes necessary measures to bridge the gap in the curriculum through various student centric methods like experiential, participative and problem solving methodologies as mentioned below.

Experiential Learning

Experiential learning is learning by doing. This learning method encourages students to have hands on experiences in understanding concepts better than theoretical methods.

- Students undergo in plant training/ internships through which they understand practical implementations of technology and get exposure to real time problems.
- Every year Industrial visits are arranged for the students for better understanding of concepts.
- Based on the real time problems students are encouraged to do mini projects and final year project works.
- Students are made to have experiential learning through their practical sessions in the laboratories as a part of their curriculum.

Participative Learning

Student centric participative learning methods include periodic endowment lectures, seminars and guest lectures on latest technologies where industry experts and alumni share their experience with students.

- Participated learning is promoted in regular classes by variety of teaching methods like think pair, peer learning, Just A Minute, seminar, group discussion, enacting role play etc for easy understanding of concepts.
- To enhance student participation in diverse activities our institution has various professional

societies such as IEI, ISTE, EDC, CSI, ICT, IIC, department associations etc. The students participate in paper presentations, coding contests, project expos, workshops, etc and develop their core knowledge, presentation skills and soft skills.

- Value added courses and e-learning provide platform for students to learn new and advanced technologies.

Problem Solving Methods

Problem based learning (PBL) enables the students to think about facts and possible solutions for problems in their day to day life by applying the concepts and principles. The PBL also makes the students to think out of the box.

- Tutorial hours are conducted for analytical subjects in the curriculum to solve problems related to the subject.
- Students are motivated to take up case studies and implement the various methods/ techniques to solve the problem.
- The students are motivated to register for online NPTEL Certificate courses in addition to their regular curriculum thereby creating a platform to learn and interact with IIT professors.
- Mathematics Laboratory (Math Lab) contains models which are utilized to solve basic mathematical problems.

File Description	Document
Upload any additional information	[View Document](#)

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Information and Communications Technology (ICT) can impact student learning when teachers are digitally literate and understand how to integrate it into the academic curriculum. ICT supports, enhances and optimizes the delivery of content by providing teaching tools, self learning and assessment tools.

Teaching tools

Apart from conventional chalk and talk lectures, the following innovative ICT enabled teaching approaches are being practiced in the institution.

- Simulation
- Mind map
- Video Lecturing
- Animation
- Seminars
- Virtual Labs (V- Labs)
- Google classrooms
- Google /Microsoft teams meet.

- Terv tool is used for programming assistance in teaching curriculum based laboratories
- V- Labs are used for conducting academic lab courses virtually
- Smart classrooms with LCD projectors, laptops pave a way for learning and understanding the curriculum with ease.
- Study materials, video lectures of theory and laboratories, question bank and assignment topics are also made available in Smart Camp, KSRCT College Management System
- Further, faculty also form Whatsapp groups with the students of the class and share the necessary course material like lecture notes, assignment topics, question bank etc.

Self Learning tools

- Great learning tool is available for self learning certification courses and assessment.
- Digital library enables access to wide range of IEEE journals and magazines. KSRIET Library management systems enables to read journals, question banks and e- books.
- Students are bestowed with **NPTEL/ SWAYAM** lecture videos, e-materials, e-books and Question banks. Students make use of the e-journals for updating their knowledge.E-learning resources that are available to enrich the knowledge of the students include,

- IEEE Explore
- NDLI (National Digital Library of India)
- Delnet (Developing Library Network)
- MOOC
- Coursera
- EDX
- Moodle

Assessment tools

- The institution supports various online coding platforms and helps assessing the students performance.
- Digipro, google forms, quiz star are used for conduction of online quizzes and assessments.
- Skill rack and Terv tool is used for assessing the aptitude.

File Description	Document
Upload any additional information	[View Document](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	[View Document](#)

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 13:1

2.3.3.1 Number of mentors

Response: 82

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 17.33

2.4.2.1 **Number of full time teachers with** *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years*

2019-20	2018-19	2017-18	2016-17	2015-16
25	21	21	17	17

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)

Response: 5.54

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

Response: 493

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	[View Document](#)
Any additional information	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

KSRIET follows Anna University Academic Schedule, the various integral activities like Internal assessments, university practical and end semester examinations are also included in the academic schedule to create awareness among students. It is issued to the faculty and students to maintain transparency in the system.Institute conducts 3 descriptive type internal assessment tests per semester as per the University norms. The frequency of examination is as shown in Table 2.5.1.

Table 2.5.1 Frequency of Assessment and Duration

S.No	Assessment and Duration	Portion	Mark Weitage	Schedule
1.	Internal Assessment - I (3hrs)	Unit I &Unit II	100	After 28 working days from Commencement of Classes
2.	Internal Assessment - II (3hrs)	Unit III &Unit IV	100	After 56 working days from Commencement of Classes
3.	Internal Assessment - III (1.5hrs)	Unit V	50	After 70 working days from Commencement of Classes

The internal question paper is set and evaluated based on the guidelines of course coordinator, module coordinator and Program coordinator. The question papers are prepared based on COs of the

subjects and Course coordinator prepares Question paper with scheme of evaluation and the module coordinator verifies the level of bloom's taxonomy and the quality of the question paper. On satisfactory standard of question paper, the program coordinator gives the final approval.

The conduction of internal exams is done by Exam cell on the respective dates as given in the academic calendar. The mode of examination is descriptive type and adheres to the Anna university end semester model weightage of questions which include two marks and big questions.The answer paper evaluation is done by Course Instructor based on the answer key within 2 consecutive days on closure of their respective exams.The performance analysis report is generated for the students and the attainment levels of COs are evaluated.

The performance of students are analyzed after every exam to take remedial actions for improving the performance of the students in the next examination. The quality of question papers, Scheme and Evaluation procedure are analyzed in PAC meeting for further action.

The PAC also evaluates Programme effectiveness and proposes necessary changes for continuous improvement. The attainment of Program Outcomes (POs), Program Specific Outcomes (PSOs) and Program Educational Objectives (PEOs) are also monitored. The Periodic reports are discussed among the stake holders through DAC and IQAC.

File Description	Document
Any additional information	[View Document](#)

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

The institute has the examination cell both at department level and institute level to conduct and address examination related issues. The college conducts two types of examinations,

1. Internal Assessment

2. University end semester Examinations

The redressal of grievances regarding evaluation in internal assessment examination is through the following process.

There are provisions for grievances redressal at three levels.

1. At the level of concerned course instructor
2. At the level of department committee consisting of Head of the department, Module coordinators and concerned course instructor
3. At the level of Institute committee constituted by the Principal on need basis.

The grievances regarding continuous assessment shall be filed at the first and second levels within two working days of announcement of marks/result and the decision shall be taken within the next two working days. The third level complaints shall be made within five working days after the announcement of marks and the decision shall be taken within next five working days. If any grievances are validated in the evaluation scheme or key of evaluation the same shall be intimated to the course coordinator and mark allocation is revised. Students who have failed to attend the exam due to proper medical issues and unforeseen events, sports on-duty etc are allowed to take a test on another day with a new question paper.

Some of the grievances addressed during the internal assessments include:

- On-duty for sports/ conference/ symposium/workshops.
- Medical issues like hospitalized, accident, communicable disease like chicken pox etc.

Missed /improvement test are conducted for students who have failed in the examinations and those who are absent for internal exams due to genuine reason.

File Description	Document
Any additional information	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

As the Institution follows **Outcome Based Education**, all the programmes have clearly defined their learning outcomes for all the courses. The vision and mission are disseminated in all common areas of the institution and the program outcomes are disseminated in the respective departments.

The POs/PSOs, COs, Vision, Mission and PEOs are disseminated as follows:

Dissemination among External Stakeholders

S. No	External Stakeholders	Mode of Dissemination
1.	Industrial experts/ Employers / Alumni/ Academic Peers/Professional body members/ Parents	College Website, Survey forms

Dissemination among Internal Stakeholders

S. No	Internal Stakeholders	Mode of Dissemination
1	Governing Body Members	College Website, HOD Cabin.
2	Management/ Administration/ Faculty	College Website, Department Notice Board, Department office, Department Newsletter, Log book, course plan, Internal Assessment question papers, assignments, tutorials, COCAT, POCAT, survey forms
3	Supporting Staff	College Website, Department Notice Board, Laboratories, Workshop
4	Students	College Website, Department office, Department Notice Board, Department Newsletter and Magazines, Record notebook Internal Assessment question papers, assignments, tutorials, COCAT,POCAT, Survey forms

The Course Outcomes form the basis for achieving the POs/PSOs and Mission and Vision of the department and institute. The Course handling faculty in consultation with the module coordinator and program coordinator defines the course outcomes using Bloom's Taxonomy. The 12 graduate attributes are defined as Program outcomes and disseminated in all classrooms and Laboratories for awareness among the students. The DAC reviews the Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) and is approved by the IQAC

Each Course Outcome is mapped to Program Outcomes in terms of relevance. Three levels of relevance based on degree of correlation are used. The levels of correlation are 1 for low, 2 for medium and 3 for high correlation. Awareness about POs/PSOs & COs is made to students by faculty at the beginning of the semester besides displaying them in the respective departments, course file, handout materials and on the college website. Course outcomes and Program Outcomes are communicated to students through Internal assessment question papers, Assignment, tutorial question papers, COCAT, POCAT, Lab Records and survey forms.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	[View Document](#)

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

Performance in each course of study is evaluated based on continuous internal assessment throughout the semester and University examination at the end of the semester. Each course, both theory and practical (including project work and viva voce Examinations) is evaluated for a maximum of 100 marks.

For all theory and practical courses including project work, the continuous internal assessment carries 20 marks while the End - Semester University examination carries 80 marks. The following assessment processes are used to evaluate the Course outcomes and Program outcomes.

1. Direct Assessment:

- Internal and University Examinations (Theory & Practical)
- Assignments / Quiz / Tutorial
- Case Study
- Mini Project
- Laboratory Exercise Evaluation
- Project presentation and evaluation
- COCAT (Course OutCome Achievement Test)
- Course end survey (only for CO attainment evaluation)
- POCAT (Programme OutCome Achievement Test) (only for PO attainment evaluation)

2. Indirect Assessment:

- Course End Survey
- Graduate Exit/ alumni/ Employer/ academic Peers Survey
- Faculty Survey

Process for Attainment of Course Outcome

CO attainment is calculated through direct and indirect assessment methods. The direct assessment has a weightage of 90% and consists of Internal and external assessment. The external assessment is done through university end semester examinations and has a weightage of 80%. The internal assessment consists of 3 components namely Internal assessment, Assignments/Tutorial and COCAT (Course OutCome Achievement Test) with a weightage of 10%, 5% and 5 % respectively. The indirect assessment is done through course end survey with a weightage of 10%.

Process for Attainment of Program Outcome

PO attainment is calculated through direct and indirect assessment methods. The direct assessment has a weightage of 80%.Indirect Assessment has a weightage of 20% and is measured based on the various surveys like Graduate Exit Survey (5%), Employer/Academic Peers Survey (5%), Alumni Survey (5%) and Faculty Survey (5%).

PO and PSO Survey Index Calculation:

{(No of stake holders who gave Excellent X 3) + (No of stake holders who gave Good X 2) + (No of stake holders who gave Average X 1)} / (Total No of Stake holders).

File Description	Document
Upload any additional information	[View Document](#)

2.6.3 Average pass percentage of Students during last five years

Response: 90.82

2.6.3.1 **Number of final year students who passed the university examination year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
311	370	357	485	442

2.6.3.2 **Number of final year students who appeared for the university examination year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
327	425	437	514	461

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for the annual report	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.76

File Description	Document
Upload database of all currently enrolled students (Data Template)	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 0

3.1.1.1 **Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
List of endowments / projects with details of grants	[View Document](#)
e-copies of the grant award letters for sponsored research projects / endowments	[View Document](#)

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 11.24

3.1.2.1 **Number of teachers recognized as research guides**

Response: 10

File Description	Document
Institutional data in prescribed format	[View Document](#)

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 0

3.1.3.1 **Number of departments having Research projects funded by government and non-government agencies during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

3.1.3.2 **Number of departments offering academic programes**

2019-20	2018-19	2017-18	2016-17	2015-16
5	5	5	5	5

File Description	Document
Supporting document from Funding Agency	[View Document](#)
List of research projects and funding details	[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

The institute has nurtured an ecosystem for faculty and students for innovation and other initiatives like creation and transfer of knowledge by establishing IPR Cell, Entrepreneurship Development Cell and Institute Innovation Council (IIC) under Research & Development Cell(R & D) Cell with the support of 2-3 Industry Linked Laboratories per department through MoU and Centre of Excellence (CoE) with external agencies. It brings Faculty, Students and Industry partners together to solve real-time problems with innovative solutions. It provides a platform for students to enhance their skills as learning by doing; they are mentored by industry experts. Students are provided with periodical training relevance to the specialization by industry experts to make a product and process development as per industry aspect. It facilitates value-added courses, industrial visits, inplant training, industrial projects and internship for students.

Research & Development Cell(R & D)

The college has a Research and Development Cell consisting of the Principal, Director (R&D) and senior faculty members from each department.

Objectives of R&D Cell

1. To encourage the participation of students in various exhibitions and contests, to nurture their technical expertise.
2. To establish Research Centre in every department.

3. To submit proposals to the funding agencies for conducting National, International conferences, seminars, research projects and workshops.
4. To motivate the members of faculty to register for Ph.D. programme.
5. To assist faculty and students in filing patent applications and publish their research work.

Entrepreneurship Development Cell (EDC):

An eco system has been created in the institution to promote innovation, transfer of knowledge and entrepreneurship. The EDC is established in 2018 with the collaboration of Wadwani Foundation with the aim to identify and nurture the latent entrepreneurial spirit of students and provide them opportunities to become Entrepreneur.

Presently in the **KSRIET Entrepreneurship ecosystem** includes

- MoEs SIH@KSRIET
- NEN WADHWANI Foundation
- MoEs ARIIA @KSRIET
- MoEs IIC @KSRIET
- Preincubation @KSRIET
- Innovation Cell @KSRIET
- IPRCell @KSRIET
- MSME @KSRIET
- NISP @KSRIET

One of our alumnus has started his **own startup:**

Mr. Abuthahir Tajudeen (2013-2017 Batch) – Founder - LEPoCUBE AssisTech **；** LEPoCUBE AssisTech is found back in late 2018 by T. Abuthahir and team with the vision to enable the people with visual disabilities.

Institute Innovation Council (IIC)

The Institute has established Institute Innovation Council (IIC) in 2018 with identified faculty and students from various departments as members. The college obtained 3.5 star rating in 2018-19 from Innovation cell, Ministry of HRD for various activities under taken as per IIC calendar.

Objectives:

- To explore and identify the opportunities of interaction with industry.
- To provide industry exposure to the students.
- The institute has numerous MoUs with diverse industries and has conducted many collaborative
- programmes such as field trips, internships, projects and placements.
- All these cells create an ecosystem of research and innovation and assist in the creation and the transfer of knowledge to provide great opportunities.

File Description	Document
Upload any additional information	View Document

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

Response: 52

3.2.2.1 **Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
26	6	9	7	4

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	View Document

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

Response: 0.5

3.3.1.1 **How many Ph.Ds registered per eligible teacher within last five years**

Response: 3

3.3.1.2 **Number of teachers recognized as guides during the last five years**

Response: 6

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 0.34

3.3.2.1 **Number of research papers in the Journals notified on UGC website during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
6	6	11	7	13

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

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

Response: 0.18

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

2019-20	2018-19	2017-18	2016-17	2015-16
8	0	4	4	6

File Description	Document
List books and chapters edited volumes/ books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

Our Institute is fully aware of its social responsibilities and contributed for the community well-being in different forms. The institute has established a network with neighboring community and implemented various extension programmes to address the needs of them. In order to ensure holistic development of students, the institution encourages students to involve in community services to develop good citizenship.

We, KSRIET, actively organize various Awareness rallies, Blood donation camp, through various centralized social activity clubs such as **NSS, NCC, YRC, RRC, UBA, Yoga Club, JCI, Tamil Mandram, Music club, and Eco club.**

NSS Activities (NSS)

NSS is intended to involve the college students in a variety of social service and developmental activities concomitantly with the normal academic programme. The motto of the scheme is "Education through Community Service". Under NSS Scheme we have adopted Devanankurichi village (Tiruchengode Taluk, Namakkal District) and organized the community services such as, Swachh Bharat pledge, Government hospital cleaning,Government school drinking water tank cleaning

NCC Activities

NCC was started at KSRIET in 2019, which consisting of selective students as NCC Cadets. **Wing Commander K. Jayanden, Commanding officer, 5(TN) Air sqn (T) NCC Salem, Warrant Officer DK DEY, Unit Adjutant, 5(TN) Air sqn (T) NCC Salem, Junior Warrant Officer- R. Velmurugan, Training Officer 5 (TN) Air sqn (T) NCC Salem**, are the Contingent Commanders / NCC officers of our college. The following are the list of activities had been carried out by our NCC cadets.

- Swachhta Awareness CampaignAwareness talks on Handwash & Personal Hygiene
- Swachhta Awareness CampaignPoster & Rangoli making on the topic

Youth Red Cross (YRC)

Young volunteers can make a significant contribution to meet the needs of the most vulnerable people within their local communities through YRC programme. The society's mission is to provide relief in times of disasters/emergencies and promote health and care of needy people and communities.

- Screening camp and hemoglobin estimation
- HIV Awareness program
- Helmet wearing awareness

Unnat Bharat Abhiyan (UBA):

The institute empanelled in **Unnat Bharat Abhiyan (UBA)**, Centre for Rural Development and Technology to build an understanding of the development agenda within institutes of Higher Education and an institutional capacity and training relevant to national needs, especially those of rural India. Our institute has adopted the following five neighbouring villages namely, Devanakuruchi, Anangur, Pappampalyam, Odappali Agraharam, and Emapalli.Following list of activities are organized regularly in the neighbourhood community from its year of establishment.

- UBA Grama Sabha Meeting
- Swachhata Hi Seva Campaign(Collection of Plastics and distribution of Cloth Bags)
- Distribution of food for the needy people during pandemic period.

File Description	Document
Upload any additional information	[View Document](#)

3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

Response: 21

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

2019-20	2018-19	2017-18	2016-17	2015-16
5	14	1	0	1

File Description	Document
Number of awards for extension activities in last 5 year	[View Document](#)

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 45

3.4.3.1 **Number of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
13	10	10	4	8

File Description	Document
Reports of the event organized	[View Document](#)
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	[View Document](#)

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 34.59

3.4.4.1 **Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
523	579	536	272	496

File Description	Document
Report of the event	[View Document](#)
Average percentage of students participating in extension activities with Govt or NGO etc	[View Document](#)

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 0

3.5.1.1 **Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
e-copies of related Document	[View Document](#)
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	[View Document](#)

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 28

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**

2019-20	2018-19	2017-18	2016-17	2015-16
13	05	03	03	04

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

The K S R Institute for Engineering and Technology campus extends over an area of 11.43 acres of which the built area 47468.41 Sq.m. The built area has classrooms with proper ventilation, several Laboratories, Workshops, Smart classrooms, Library with a digital library, Computer Centre, Centre of excellence, Incubation Cell, Auditorium, Seminar halls, Indoor stadium, to name the most important. The exemplary institution aims at providing all possible state-of-the-art advancements in technology to facilitate imparting of quality education. All necessary facilities that constitute a conducive environment for the preparation of future engineers and technocrats are available and in use. Almost all the class rooms are equipped with an LCD Projector.

To ensure students receive inputs from experts as well, Seminar Halls, Auditoriums and Meeting Halls with all necessary audio-visual and digital equipment have been made available. These enable the smooth conduct of seminars, symposia and conferences, both at the Department level and at the College level. The Auditorium with a capacity to seat 1000 people proves useful for the events in the College that include Co-curricular and Extra-curricular activities.

The Laboratories in the institution possess all equipment mandated by the Authority for Technical Education and the University and these are carefully maintained as per norms laid down by competent authorities.

Centre of Excellence to enhance the learning experience of the students and prepare them for the industry worlds have been established with the partnerships of reputable industrial and corporate companies. These centres, apart from catching technocrats and engineers with the potential to invent or innovate, promote the possibilities of campus placement and entrepreneurship capabilities of our students.

The fully Computerised Language Laboratory is good facility for students to improve their communication Skills, particularly spoken skills and for those who are already good at it,

All the computers in the institution are connected via LAN and most of the systems have internet connection as well. In addition, Wi-Fi connection has been provided where necessary.

The College has a Central library with automation, in addition to the departmental libraries and, together, they boast a rich and varied collection of books, academic journals, both national and international, and technical magazines. NDL/DELNET facility is available for students and teachers. Computers with internet facility are available for the students and members of the faculty in the College Library, which helps in accessing digital journals and magazines of various engineering disciplines.

File Description	Document
Upload any additional information	[View Document](#)

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

Response:

a) Facilities for Sports

Students are provided all facilities to participate actively in the sports and games. Coaching for the students in various games under the supervision of trained coachers is being arranged. Vast play grounds are provided for sports activities.

The facilities available are:

Outdoor Games

- Athletics (Standard 400m track with 8 lanes)
- Cricket field 1 No.
- Foot Ball field 2 Nos.
- Hockey Field 2 Nos.
- Basket Ball Court with flood lights 2 Nos.
- Volley Ball Court 2 Nos
- Kabaddi Court 2 Nos.
- Tennis Court with flood lights 2 Nos

Indoor Games

- Basket Ball Court with wooden flooring & flood lights 1 No.
- Ball Badmiton Court with wooden flooring & flood lights 3 Nos.
- Tabile Tennis
- Carrom
- Chess

b) Gymnasium

Well-equipped Gymnasium is available separately for men / women students and staff with the latest equipment in the well laid out in in-door Gym units. In order to encourage the Weight lifters, Body builders and Fitness seekers, the many sophisticated equipment's designed scientifically for the above purpose are made available.

c) Swimming Pool

KSR IET has a swimming pool which follows continuous circulation type with prescribed standard quality tolerances (Physical, Chemical and Bacteriological) for water.

d) Facilities for Cultural Activities

An AC auditorium 4749.034sq m., eight seminar halls each of 1580.62 sq.m available for purpose of practice and performance of different cultural activities like dance, drama, music etc. The college band set comprises Electronic keyboard, Manual Drums Kit, Digital Drum pad, Lead guitar, Bass guitar and Amplifying speakers. Cultural club, Music club, Lingua club, Maths club, Tamil mandram are guiding the students to participate in national/state level competitions and in celebrating the festivals and important days.

File Description	Document
Upload any additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. *(Data for the latest completed academic year)*

Response: 72.5

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 29

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View Document
Upload any additional information	View Document

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 22.53

4.1.4.1 **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
28.16	58.22	111.59	78.11	13.14

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	**View Document**
Upload audited utilization statements	**View Document**

4.2 Library as a Learning Resource

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

Response:

Central Library

The Central Library is functioning in a multi-storied building. The carpet area of the library is 19,712 square feet and the seating capacity is 250. The library is automated with LIBMAN 1.1 self-developing software package. Bar-coding System is followed in the library books and identity cards of the users. Library operations are mostly computerized especially in book circulation. The library offers open access system for all the users.

Software: Self Developing Integrated Library Management software

Nature of automation: Fully automated

Version: Libman 1.1

Year of automation: 2013

Library fully automated from 2012

Library Resources

The library has 5895 Titles and 25420 volumes of Text and Reference books, 160 periodicals and 785 E-Journals. The library has 536 journal bound volumes, 480 UG and PG Projects, 1389 CDs/DVDs and 9 leading newspapers. The database of books available in the library is being up dated on day to day basis with details of recently acquired books. Records of the entire library pattern have also been created in the LIBMAN self-developing Software package.

Library E- Resources

Library Purchase E-Journal package, E-book and databases. Digital library facilitate to access DELNET resources, National Digital Library resources, NPTEL audio and video lectures and IEEE journals.

File Description	Document
Upload any additional information	[View Document](#)

4.2.2 The institution has subscription for the following e-resources

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases
6. Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	[View Document](#)
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	[View Document](#)

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 14.88

4.2.3.1 **Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
9.95	11.37	18.07	15.41	19.62

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	[View Document](#)
Audited statements of accounts	[View Document](#)

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year

Response: 15.95

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 181

File Description	Document
Details of library usage by teachers and students	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The college has a well equipped internet lab working 24x7. 829 Desktops and 07 Servers are provided in different laboratories located in various departments. **SOPHAS firewall** (Version 18.0.3 MR-3) is installed to ensure Internet Security. 120 and 100 KVA Capacity of centralized UPS for serving different laboratories with 3 hours Backup. Microsoft Campus Agreement Volume License used in the campus. Relevant Legal System and Application Software used.

A High End Rack Server System is used for Web Applications, Video Streaming, Academic Activities and other applications. The Campus Internet Traffic is monitored through a High Performance firewall for any possible spam, virus and intrusion detection. All the computers are networked using 1 Gbps Ethernet LAN Technology with Manageable and Unmanageable Switches.

The Entire Campus is ~~inter~~connected with network also with Wi-Fi Technology. An Internet Bandwidth of 80 Mbps is available over a leased circuit allowing more than 1000 users to connect to the web at a very comfortable speed. Computers are provided in Central Library and Department Libraries for Journal and e-Resource access by both students and faculty. Effective CCTV surveillance network is available in the entire campus. Students' attendance and their marks are updated daily in KSR College Management System.

Wi-Fi Facility

KSR IET entered in to an e-revolution by making its entire campus with Wi-Fi facility. This provides laptop users with a seamless mobile connection to the corporate network (intranet and Internet) for browsing, presentations and documents around the campus.

College have **80 Mbps Internet connection**, locally networked and connected through Wi-Fi also to the central server which are available for students project work and preparing seminar presentations. It has accesses to e-books, study materials, previous question papers, daily circulars and etc. through the college through secure firewalled Local Area Network. Internet facility has been given in the well-equipped internet lab with high speed connectivity and the student can surf the net to get unlimited information.

Wi-Fi facility in the campus is a milestone in the history of this institution as it puts the college on the road to paperless administration and functioning. In addition, the college provides internet and intranet facility to all the students and staff for instructional purpose on par with colleges internationally.

File Description	Document
Upload any additional information	[View Document](#)

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 1:1

File Description	Document
Upload any additional information	[View Document](#)

4.3.3 Bandwidth of internet connection in the Institution

Response: A. ?50 MBPS

File Description	Document
Upload any additional Information	[View Document](#)
Details of available bandwidth of internet connection in the Institution	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 11.51

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

2019-20	2018-19	2017-18	2016-17	2015-16
55.28	44.42	18.77	3.07	13.44

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document

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:

All infrastructure facilities once procured and installed are entered with the central stock register and thereafter to the particular department's stock register. The Maintenance committee performs cyclical preventive maintenance on various campus systems. It also provides services required for life safety and other regulatory compliance issues. Maintenance is carried out annually for the immaculate and eco-friendly up keep of the buildings and the surroundings. A dedicated team of electricians, plumbers, carpenters and other personnel provide round the clock service to administrative and academic blocks including hostels. In addition, Block supervisor allotted for every department records the damages of facilities in the department. The complaints recorded are taken forward and appropriate actions are taken. The Heads of the Department supervise all the facilities.

Laboratories Maintenance

The maintenance of laboratory equipment is all monitored every semester by the department lab assistants.In every department, one of the staff members is assigned to oversee the laboratories and equipment. The member is responsible for safe and smooth maintenance of the equipment, and facilities. The maintenance includes daily, weekly, monthly, yearly, and preventive and breakdown maintenance.

Library Maintenance

Day to day activities of the Library is governed by the Librarian and Assistants. The overall monitoring of the Library is governed by a Library committee consisting of Principal,Librarian and Department Level Coordinators. Adequate number of text books and reference books are maintained by getting requirement from the faculty member and the students.

Sports complex Maintenance

The Physical Director of the Institute is in-charge of the sports complex and equipment.The Physical Director supervises the Grounds man and staff assigned for ground, courts, indoor stadium for maintenance and repair works. Damaged sports equipments are replaced by new one as per the requirement. The maintenance of the gym equipments are frequently done by vendors.

Computer System and IT

Optimum working condition of all Software / Hardware on the campus is ensured through system administrator. Servers and desktop systems are checked for release of new updates and upgraded

accordingly. All computer systems are checked and antivirus is updated every 6 months. Lab assistants under the supervision of the System administrator maintain the Institute computers and accessories.

Class Room

The Institute has maintenance committee that oversees the maintenance of buildings, classrooms and laboratories. The maintenance committee is headed by faculty In-charge of Maintenance who in turn monitors the work of the Supervisor at the next level. Adequate in-house staffs are employed to maintain hygiene, cleanliness and infrastructure on the campus.Classrooms, Staffrooms, Seminar halls are cleaned and maintained regularly by maintenance Person.

Housekeeping

Students and faculty provide feedback on various aspects of housekeeping at class committee meetings and other occasions like department meetings, HoD meetings which are passed on to the maintenance department and problems are sorted out.

File Description	Document
Upload any additional information	View Document

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 last five years

Response: 70.66

5.1.1.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2019-20	2018-19	2017-18	2016-17	2015-16
798	938	1084	1166	1204

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	[View Document](#)
Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)	[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 0

5.1.2.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Upload any additional information	View Document
Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)	View Document

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

    1.**Soft skills**
    2.**Language and communication skills**
    3.**Life skills (Yoga, physical fitness, health and hygiene**)
    4.**ICT/computing skills**

Response: A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 47.02

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

2019-20	2018-19	2017-18	2016-17	2015-16
900	1077	407	195	487

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances

including sexual harassment and ragging cases

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

Response: B. 3 of the above

File Description	Document
Upload any additional information	View 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

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 31.61

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

2019-20	2018-19	2017-18	2016-17	2015-16
91	101	143	136	218

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years (Data Template)	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 20.8

5.2.2.1 **Number of outgoing student progression to higher education during last five years**

Response: 68

File Description	Document
Upload supporting data for student/alumni	
Details of student progression to higher education (Data Template)	

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 1.12

5.2.3.1 **Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations,** *etc.***)) year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
1	1	1	0	0

5.2.3.2 **Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
57	68	42	51	35

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	

5.3 Student Participation and Activities

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

Response: 6

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

2019-20	2018-19	2017-18	2016-17	2015-16
3	2	0	0	1

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	View Document
e-copies of award letters and certificates	View Document

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

Administrative Committees:

The students are also involved in administrative committees like IQAC, Library Committee and Hostel Committee where the students give their suggestions and feedbacks on day to day activities. The Faculty Coordinator consolidates and reports the suggestions and feedback received from the students to the HoDs, Directors and Principal for the necessary action.

Academic Committees:

The students are involved in Academic Governance through mechanisms like Class Committee, Department Advisory Committee and Institution Innovation Council. In those committee meetings the suggestions for the enrichment of academic activities offered by the students are considered and appropriate action are taken by the HoDs, Directors and Principal.

Student Association:

The student Associations, Alumni Association, Student Clubs, Forum and Cells are constituted in each Department in the institution. Each Department's Association is led by student as secretary with a group of office bearers. The student association plan and coordinate the Programmes like Guest Lectures, Workshops, Technical Symposium, Conferences, Events, Soft skill programmes as per the suggestion received from the students. The faculty coordinator and the association secretary approach the experts from Industry, Alumni and Academicians to act as a resource person for planned events. This liaison explores the opportunities for Industry Visits, In-plant training, Student Placement, offering Value added courses

and MoUs for the up-liftment of students in the Departments / Institution.

File Description	Document
Upload any additional information	[View Document](#)

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 17.2

5.3.3.1 **Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
14	25	16	15	16

File Description	Document
Report of the event	[View Document](#)
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	[View Document](#)

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

Alumni Cell of KSRIET nurtures a mutually beneficial relationship with the Alumni and leverage their expertise and experience for the growth of the Institution. The Institute fosters a strong bond with its Alumni by the support from Management and the continuous involvement of the Principal and the faculty of KSRIET. Recognizing the importance of sustaining the relationship with our Alumni, Institute has established Alumni Association in the year 2015. The Alumni association helps the Alumni in staying connected through wide range of activities. Alumni-meets act as a platform for rejuvenating old bonds and provide an opportunity to current students to learn and gain from alumni's experience. Alumni are supporting to current students through Guest lecture, career counselling, competitive examinations preparation, soft skill development and current industrial requirements.

Alumni Association of our college meets every year to review and plan the activities. It includes

1. Alumni meet
2. Support for the students through

- Seminar on recent trends
- Career counselling
- Competitive examinations preparation
- Soft skill development
- Industrial requirements
- Suggestion to improve academic activities which includes curriculum enrichment and revamping of teaching learning methodologies.

The Alumni meetings are recorded and maintained for the transference of meaningful feedback to the Management. Alumni interact with the respective HoDs and give them information regarding current trends and practices in the industries where they work, so that suitable improvements in the additional facilities to meet the current trends can be made in the Institution. Alumni also interact with students and guide them to prepare for campus interviews in Core and IT companies and higher studies.

File Description	Document
Upload any additional information	[View Document](#)

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

Response: E. <1 Lakhs

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

VISION:

To become a globally recognized Institution in Engineering Education, Research and Entrepreneurship.

MISSION:

Accomplish quality education through improved teaching learning process.

Enrich technical skills with state of the art laboratories and facilities.

Enhance research and entrepreneurship activities to meet the industrial and societal needs.

The K S R Institute for Engineering and Technology is approved by All India Council for Technical Education (AICTE), New Delhi and affiliated to Anna University, Chennai, Tamil Nadu and was established in the year 2011 with the prime objective of providing quality technical education with adequate industrial exposure to cater the needs of the youth with its innovative teaching and learning methods.

The institute is governed by the Governing Council consisting of eminent academic and industry experts. Governing Council is convened twice in a year to review the progress of the institute and approve the recommendations of the Internal Quality Assurance Cell (IQAC) and Department Advisory Committee (DAC).

The leadership framework includes the Management, the Principal, Directors and Head of the Departments of the institution. The strategic plans are formulated in line with the vision and mission of the institution under the leadership of the Principal and the same are incorporated into action plans for effective implementation. The vision and mission of the institution are disseminated to all stake holders. Meetings with the stakeholders, namely parents, alumni, employers and management are conducted to receive their feedback and suggestions for implementing the action plans for the development of the institution. The perspective plan of the institute is to modernize the existing facilities, implementation of new ventures for Centre of excellence and R&D, expansion of infrastructure by means of new technology laboratories, digital library and smart class rooms to achieve academic excellence.

The administration constitutes different council/committees/cells/clubs with the representation of faculty members and students to carry out various activities. Members of faculty head the various committees to conduct a wide range of activities and to facilitate the smooth functioning of the institution. Regular meeting is conducted every week by Principal with Directors, Head of the Departments and Training and

Placement Coordinators to develop action plans and to review outcomes from the implementation of action plans and make necessary changes in action plans if required.

The HoDs disseminate the action plans to the faculty members of the department through Department faculty meetings. The minutes of the meetings of the Principal and the HoDs bearing the decisions taken and plans made at the administrative level and the role of the individual in implementing the quality policy are also circulated to the faculty members for effective implementation. Principal's subsequent meetings with the top management ensure that all the information and suggestions reach from bottom to top and from top to bottom in a smooth fashion. The travel of smooth communication paves way for successful interaction, feedback, team work and new ventures.

File Description	Document
Upload any additional information	[View Document](#)

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

An efficient decentralized administration with transparency is being followed. The head of the institution is empowered with full autonomy for overall monitoring of administrative and academic activities. The head of the institution decentralizes the governance system and autonomy to the Directors and Head of the Departments. In all academic and non-academic activities, participative management is being followed.

A team of Directors enthusiastically participate in various institutional practices.

Director – Academics pay attention to create academic excellence and develop educational process and policies to meet curriculum goals.

Director – Research & Development focuses on faculty members' research and students' projects which can be converted into products and motivates new ideas and promotes the development of innovative products and processes.

Director – Industry Institute Interaction Cell & Skill Development makes the entire faculty and students realize the importance of enriching skills and also create skill development facilities in all the domains to meet out the needs of industries.

Director – Administration oversees the total functions of the institute such as maintaining official records, recruiting faculty members, safety of people and properties, audit of financial flows etc.

Controller of Examinations prepares the Examination schedules, sets standard questions, conducts Examinations, publishes results and conducts Convocation.

Director – Students Affairs takes utmost care of students by providing comfortable ambience in the campus and resolving the grievances regarding academic matters, health services, library and other services.

The leadership shown by the Director – Industry Institute Interaction Cell & Skill Development (III & SD) is taken as the case study for participative management in the institution.

The Director- Industry Institute Interaction Cell & Skill Development sets an example in promoting the caliber of students and faculty members.

The Director's core intention is to create skilled engineers to the society. To achieve this, industrial exposure is given by organizing Seminars, Workshops and Faculty Development Programmes.

Arranging in-plant training and internship for students give them a wide range of exposure in all the emerging technologies.

III-SD Cell identifies industry partners to create Centre of Excellence which makes students' innovative projects enter the market.

III-SD Cell invites eminent industry persons for curriculum design and organizes HR Conclave to make students industry ready engineers with academic brilliance. It also helps Placement Cell to make students place in well renowned companies.

III-SD Cell also connects and keeps all the Alumni in touch which creates awareness on the new opportunities and to know the recent trends of technology.

Memorandum of Understanding (MoU) is signed with Industries and Premier Institutions to impart training on a specific domain.

The list of MoU's signed are,

Siemens Centre of Excellence in Manufacturing, National Institute of Technology, Tiruchirappalli

Trans Neuron Technologies Pvt Ltd, Bengaluru

Precicut Laser, Chennai

Kikuwa India Private Limited, Chennai

Aero Space Engineers Private Limited, Salem

File Description	Document
Upload any additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The Institute has prepared a strategic plan to fulfill the academic and research development, co curricular and extra-curricular activities and infrastructural facilities of the Institute. In the strategic plan, innovation activities are considered as one of the important strategy. Under this, activities of Entrepreneurship Development Cell (EDC) play an important role. A vibrant EDC is established in the institution to promote entrepreneurship.

Objectives of EDC

- To promote knowledge about Entrepreneurship.
- To create social awareness among the faculty and students by conducting various seminars and Programme.
- To conduct the training programs about Entrepreneurship.
- To create entrepreneur by Entrepreneurship Development Programs
- To provide a platform to start-up.

- The inauguration of the Entrepreneurship Development Cell in the year 2015 gave a kick start to the Entrepreneurship ecosystem in the Institution.
- The EDC cell organized a total of Eight Entrepreneur Awareness Camp Programme with Grants of Rs 1,60,000 funded by the Department of Science and Technology (DST) in association with the Entrepreneur Development Institute of India (EDI) under the National Science & Technology Entrepreneurship Development Board (NSTEDB).
- The EDC-KSRIET also organized various activities like Faculty Development Program, Industrial visits, Product Design Contest, Invited talk by successful Entrepreneurs, Idea contests, Hackathons and Business plan development Contest with industrialists as mentors to teach entrepreneurial skills among the faculty and students.
- Initiated innovation and entrepreneurship through various cells in association with AICTE, Government of India and Ministry of Education.
- KSRIET Entrepreneurship ecosystem includes EDC-KSRIET, MHRDs IIC KSRIET (2019 onwards), MHRDs ARIIA KSRIET (2018 onwards), MHRDs SIH KSRIET (2017 onwards), MHRDs NISP KSRIET (2020 onwards), Pre-incubation (2019 onward)s, MSMEs KSRIET Incubation Center (2020 onwards), IPR Facilitation Center. Through these cells and forums, students are involved themselves and inculcated entrepreneur skills, evident by the growing rate of IPR Filing. They are choosing alternate careers as start-ups and Incubation.

File Description	Document
Upload any additional information	[View Document](#)
strategic Plan and deployment documents on the website	[View Document](#)
Paste link for additional information	[View Document](#)

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

Response:

The decentralized structure of administration is clearly described in the organogram of the institution. Various teams are formed in order to have an efficient administrative set up and they work under the observation of Principal.

Governing Council:

- The Governing Council at KSRIET is very active in monitoring action plans and implementing for the continuous development of the Institute.
- This body comprise of members with vast knowledge and experience in the field of academics, research, industry and administration.
- The Governing Council meets twice in a year and interacts with industry experts, faculty, and students.

Chairman:

- The Chairman is the supreme authority of the Institution. He is authorized to take decision on all college related activities and responsible to conduct Governing Council meeting and Planning and Monitoring Meeting.

Principal:

- The Principal is involved in the implementation of the strategic plans of the College. He ensures that academic and administration functions efficiently through the departments and various committees constituted for the respective cause.

Internal Quality Assurance Cell (IQAC):

- IQAC has been established in the college, which meets regularly to assess the quality deliverance of engineering education in the institute leading to achieve the course and program outcomes.
- The information about the achievements, curricular, co-curricular activities and extra-curricular activities carried out, participation of students in various activities and their achievements and participation of teachers in national and international conferences, seminars and workshops, etc are monitored by IQAC.

Director(s):

- A team of Directors enthusiastically participate in various institutional practices such as administration, academics, research & development, skill development, examination and students affairs to ensure the effective functioning of the institution as per the strategic plan and guidance of the principal.

Head(s) of Departments:

- The Heads of Departments ensure that the academic calendar provided by the university/college is implemented properly and efficiently. Heads are also responsible to administer the respective department, run the academic and research as per the plan, conduct curricular and extra-curricular activities for the respective students.

Faculty member(s):

- The faculty members coordinate with the head of the department in all academic and non-academic activities.
- They take additional responsibilities like class advisor, time table in-charge, purchasein-charge, mentor and project guide etc.

Various Committees:

- Various academic and administrative committees are constituted and specific task is allotted to it as per the academic and administration plans of the college.

Placement Officer:

- Identifying and arranging internal/ external resource persons for training.
- Organizing and conducting on/off campus interviews and maintaining records of placement of students.

Librarian:

- Overall supervision of all library activities.
- Ensure the modern trend in updating library.
- Procurement and maintenance of book and journals.

Administrative Officer:

Administrative officer execute all the works assigned by the chairman and principal. He is also responsible for all accounts related activities like bill verification, keep all bill books, vouchers and ledgers in safe custody.

File Description	Document
Upload any additional information	[View Document](#)
Link to Organogram of the Institution webpage	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc	View Document

6.3 Faculty Empowerment Strategies

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

Response:

The institution is providing effective welfare measures both for the teaching and non-teaching staff of the college.

Support for Research:

- Faculty members are encouraged to do higher education (Ph.D) and research.
- The faculty members are given support and assisted in securing research funds from various funding agencies.
- Registration fees, on-duty, TA & DA are provided for attending the Seminar / Workshop / FDP / Conference and Industry Training on emerging technologies in order to secure research projects in those areas.

Free Transport:

- All the faculty members and staff members can use the college buses with free of cost.

Staff Quarters:

- Faculty members can also avail staff quarters available within the campus.

Medical Facility:

- Medical facilities are provided in the K S R Dental College Hospital at concession rate.

Pay Advance:

- Interest-free advance Rs.50,000/- for Teaching Staff and Rs.20,000/- for Non-Teaching staff is given on emergency needs. The individual will be allowed to repay the advance within 12 monthly installments.

Leave Benefits:

Casual Leave (CL)

- Each faculty member shall avail 1 CL per month subject to a maximum of 12 CL per academic year.

Medical Leave

- The number of medical leave, in case of any medical treatment, per year is 8 days.

Maternity Leave (MAL)

- Maternity leave is granted to female faculty and staff members for a period of 6 months.

Accident Insurance Scheme:

- All the staff members of our institute are covered by this insurance scheme. In case of accident, the amount up to Rs 1,00,000 can be claimed for Faculty & Staff members'treatment and hospital expenses. In case of Faculty / Staff members' accidental deathRs 5,00,000 is covered from our Group Insurance to provide Economical support to his / her Family.

Cash Award:

- Faculty members are awarded with cash prize for producing 100% results in Anna University Examination.

Fee Concession for ward:

- Teaching and Non-teaching staff can avail fee concession for their children in the school run by our management.

File Description	Document
Upload any additional information	View Document

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: 53.23

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**

2019-20	2018-19	2017-18	2016-17	2015-16
51	60	70	64	84

File Description	Document
Upload any additional information	<u>View Document</u>
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	<u>View Document</u>

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: 38

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

2019-20	2018-19	2017-18	2016-17	2015-16
41	39	48	31	31

File Description	Document
Upload any additional information	<u>View Document</u>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	<u>View Document</u>

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 18.6

6.3.4.1 **Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
38	6	30	12	22

File Description	Document
Upload any additional information	**View Document**
Details of teachers attending professional development programmes during the last five years	**View Document**

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

Faculty Performance Appraisal System for Teaching Staff

- Performance appraisal for each faculty members is done every year to enhance the core values of the faculty members and the betterment of student community.
- This helps the faculty members to review their strengths, weakness and expectations based upon his / her achievements in the previous year.
- The following parameters are applied for the Performance appraisal.

- Performance in Academic Activities
- Initiatives in Students Skill Development Activities
- Contribution in Administrative Activities
- Participation in Research and Development Activities
- Rating by HoD & Principal

Academic Activities

- Under the academic activities, the results produced by faculty members in the University Examination and their knowledge updates are evaluated. This motivates the faculty members to update their knowledge by learning some online courses such as NPTEL, SWAYAM, and MOOC etc and to perform well in handling their courses.

Students Skill Development Activities

- Under this category, the initiatives taken by the faculty members to organize value added courses to students and the impact of mentoring done to motivate the students to participate in co-curricular activities and project contests are evaluated. This creates a win-win situation to both faculty members and students to learn organizing skills and get exposures.

Administrative Activities

- In this category, faculty members are evaluated on administration skills by analyzing their voluntariness and responsibilities taken by them. The organizing skills of the faculty to conduct FDP, workshop and seminars are also evaluated in this category.

Research and Development Activities

- In this category, the higher level contributions by faculty members such as key note addresses in

national / international programmes, project proposals submitted to funding agencies, funds received, technical publications and book Publications are evaluated. The management also gives financial support to faculty members in all the ways to provide their utmost contributions for R & D.

Rating by HoD and Principal

- The faculty members are evaluated by their respective Head of the Department considering their dedication & hard work, taking responsibility by self, involvement towards department / institution development and completion of work on time without follow up.Finally, the rating of 10 scales is done by the principal. Based on the appraisal, the corrective actions are taken and appreciations are given.

Non-Teaching Staff Performance Appraisal System for Teaching Staff

The performance appraisal system for non-teaching staff has the following components:

- Skill /Administration based Training Attended

Rating by Faculty / Lab Incharge

- Subject / Domain Knowledge
- Ability to demonstrate the experiment
- Ability to calibrate equipments
- Knowledge on specification of equipments
- Ability to operate the safety equipments
- Ability to service the components and equipments
- Maintaining Cleanliness of laboratory

Rating by HoD

- Maintenance of Files /Records / Equipment's
- Perfection in work
- Ability and willingness to take up additional load in times of exigencies
- Overall rating by HoD

File Description	Document
Upload any additional information	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

M/s K S R Institute for Engineering and Technology is run by M/s Aarthi Educational and Charitable Trust.

- The Institution has internal and external audit system to regulate the finance.

- The budget is prepared well in advance after taking in to consideration of the requirements of all departments. The proposals are made on different heads such as laboratory equipment, library expenses, salary, building infrastructure and other maintenance expenses, etc., required for the next academic year.
- The finance committee approves the financial year budget proposals submitted by the Principal.
- The Management meets all the deficit and capital expenditure.

Internal Audit and External Audit

- The Institution has appointed statutory Internal and external auditors and associates, who regularly audit the accounts of the Institution for the every year. The Internal Auditor, who reviews monthly statement of accounts and expenditures with the Administrative officer, thereby having checks and balances in place.
- The external auditors audit the accounts of the Institution in end of the financial year. This practice is also intended as a measure of checks and balances with a view to correct any shortcomings and to advice on proper practices.
- The financial transactions are accounted in Tally ERP by the institution.
- As indicated above, the accounts of the Institution are regularly audited by our internal and external auditors and associates. So far, there has not been any audit objections

File Description	Document
Upload any additional information	[View Document](#)

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

Response: 0

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

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document

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

Response:

Resource Mobilization Strategy and Implementation Plan:

- The college formulated well defined financial policy which ensures effective and optimal utilization of resources for academic, administrative and development purposes which help to achieve the institution vision and mission.

Different sources of funds:

- Tuition fees

- Grants from Government and Non Government bodies
- Interest on Fixed Deposit
- Term loan from Banks

Utilization of funds & Resources:

- The major source of fund is College fee paid by students. The tuition fee is decided and approved by the Management, Principal and Administrative Officer as per the norms given by Fee Regulating Authority (FRA).
- The available funds are utilized for salary and other expenses of the institution. Other expenses include purchase and maintenance of equipment, infrastructure maintenance, furniture repair and maintenance, office expenses, printing & stationery and miscellaneous expenses, etc.
- Adequate remuneration/financial support are provided to the faculty members for attending conference, workshop, seminar and FDP.
- Funds received from Government & Non-Government like AICTE, TNSCST, CSIR, UGC and DST are used to enhance the quality of teaching, learning and research. The funds are also used for the purchase of advanced equipments and conduct research in the specific areas proposed.
- Funds are allotted and utilized every year for augmentation of library facilities to enhance higher learning practices of students.
- Some funds are allocated for social service activities as a part of social responsibility.

- The other sources of fund are interest derived on deposits, consultancy, revenue collection in the form of deposits (loans from banks) etc. Those Funds are used in Building, Electrical, Plumbing, Furniture and Fittings and Vehicle which are essential to the Institution.
- The requirements are discussed by the Principal & the heads and the priorities are decided while allotting financial resources for various purposes.Optimum usage of available financial resources is also ensured. The entire purchase is monitored by the purchase committee as per the sanctioned

budget.

- The annual expenditure is reviewed and the budget is scrutinized by the governing council. Feedback is provided for efficient use of financial resources.

File Description	Document
Upload any additional information	[View Document](#)

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:

- The Internal Quality Assurance Cell (IQAC) was established in the academic year 2014 – 2015 to maintain and enhance quality of education.
- The primary aim of IQAC is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- The next objective of IQAC is to promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

Practices institutionalized as a result of IQAC Initiatives:

- IQAC reviews the academic process and audits the content of delivery, course conduction and process involved in teaching learning process through Academic Review Meeting, Class Committee Meeting, End Semester Feedback, Mentoring System, Academic Audit and Annual Performance Audit.

Two practices:

1. Annual Performance Audit

- To enhance academic excellence and to meet the industry expectations, Annual performance audit is conducted once in every academic year. It is conducted by department heads at department level. Based on the collective information, corrective actions are taken for further improvement of the department
- Following parameters are monitored

- Department wise Student admission detail
- Students with less attendance percentage
- Subjects pass percentage
- Overall Result percentage of pass in University Examination
- Subjects less than Target in University Examination
- Guest Lectures Conducted by every department
- Students participation in co-curricular during the course

- Industrial visit by every department
- Students who have satisfied the IPT and Internship Norms
- Projects participated in Contests or Published in Conference and Journals
- Student members in professional society
- Students participation in extracurricular activities
- Percentage of eligible final year students placed
- Workshops, Seminars and Value added course organized in our institution.
- Symposiums and conferences organized in the year
- Alumni meeting
- Alumni feedback
- Training programmes attended by faculty members
- Students feedback
- Stakeholder feedback
- Number of funding proposal submitted
- Faculty publication and research work
- Industry collaboration

2. ICT enabled tools for effective teaching-learning process

- To make teaching and learning process effective, experiential learning is followed which creates an opportunity for learners to apply what they have been taught to solve real-world challenges. Every experiential learning activity includes a debriefing session where learners receive feedback and coaching from the faculty members. To make it effective, all the classrooms are enabled with ICT tools which help to generate new paths of quality education. The following ICT enabled teaching approaches are being practiced in the institution.

- Simulation
- Mind map
- Video Lecturing
- Animation
- Seminars
- Virtual Labs
- Google classrooms
- Google /Microsoft teams meet.
- Terv Tool is used for programming assistance
- Neo coder - examly , V- Labs are used for conducting academic lab courses virtually
- Smart classrooms with LCD projectors,
- Study materials, video lectures of theory and laboratories, question bank and assignment topics are also made available in smartcamp.

File Description	Document
Upload any additional information	View Document

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 and recorded the

incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives   )

Response:

The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through the following mechanisms governed by IQAC.

1. Periodical reviews on academic quality :

- IQAC initiated to formulate Department Advisory Committee (DAC), Programme Assessment Committee (PAC) and Module Coordinators committee (MC) which help to review the progress of course completion, effective teaching and learning, attainment and assessment of course outcomes, etc., Periodic meetings are conducted in which the committee members present their evaluations and plans for improvement. The committee reviews and provides feedbacks and suggestions.

S. No	Name of the Committee	Frequency of Meeting
1	Department Advisory Committee (DAC)	Twice in a year
2	Programme assessment Committee (PAC)	Four times in a Semester
3	Module Coordinators Meeting (MC)	Four times in a Semester

2. Feedback System:

- IQAC has framed a structured feedback mechanism for analyzing the effectiveness of the teaching learning process. The feedbacks are collected on the aspects such as Curriculum, Infrastructure Facilities and Faculty. In addition, feedbacks are also collected for value added courses, industrial visits and training programs

S. No	Name of the Committee	Frequency of Meeting
1	Mentoring System	Twice in a week
2	Class Committee Meeting (CCM)	Four in a Semester
3	Academic Review Meeting (ARM)	Twice in a Semester
4	End semester Feedback	Once in a Semester
5	Academic Audit (AA)	Twice in a Semester
6	Course End Survey	Once in a Semester

Effectiveness:

- The mentoring system developed by the Institute has increased and resulted in regular attendance, outside participation, good placements etc., Since the number of students allocated to each of the mentor is limited, personal attention and interaction is given on regular basis.

- In Class Committee Meeting (CCM), the student members express the opinions and suggestions of the other students of the class which improved the effectiveness of the teaching-learning process..
- In Academic Review Meeting (ARM), the details of syllabus completion, comfortable zone of the students, class control, interest of the students, their problems and their needs for each subject and Laboratory are received. Further feedback on the faculty handling classes, their likes and dislikes in the institute/department are also received for providing better teaching and learning ambience in the institution.
- The main goal of Academic Audit (AA) is to ensure the correct documentations are maintained by the faculty for each course.

In end semester feedback, rating of faculty in each subject is collected on different parameters and the average is calculated. The consolidated feedback is communicated to the respective faculty members through the HoD`s concerned. The faculty who secures less than 6 points is counseled by the department HoD and advised to correct themselves in the parameters where they are weak.

File Description	Document
Upload any additional information	[View Document](#)

6.5.3 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
2. **Collaborative quality intitiatives with other institution(s)**
3. **Participation in NIRF**
4. **any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: A. All of the above

File Description	Document
Upload details of Quality assurance initiatives of the institution	[View Document](#)
Upload any additional information	[View Document](#)
Paste web link of Annual reports of Institution	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

Annual gender sensitization action plan:

The institute gives utmost care in devoting appropriate resources to the girl students. All the faculty members support students working together in classes, encourage leadership roles, facilitate impartial contribution, gender balance in team projects, having open and closed sessions with faculty members of the appropriate gender for related scenarios, complaints and counseling during class hours and at hostels.

Specific facilities provided for women:

a. Safety& Security:

- Grievance Redressal Committee and Anti sexual harassment committee are constituted.
- Among the six directors, two are female and three female heads are heading the departments.

- E- Surveillance with high resolution cameras through day and night facility of distributed recording in control room has been set up in the campus. This system ensures that all female staff and students can move freely in the campus.

- In all Industrial visits, female teachers accompany the girl students and care of them very affectionately.
- In case of any health issues, ladies sick room is available for students and faculty to take rest.

- Girl students have separate college bus in a few routes. Every college bus has separate seats for girl students and female staff.

- Separate gymnasium for the ladies has been established.

- A canteen exclusively for girls is functioning near the Ladies Hostel.

- Hostel Management System oversees the students leave and their entry to the hostel. A separate URL (lh.ksriet.ac.in) is used for applying leave.

- Girl students' entry and exit to the hostel arealso monitored using Biometric system.

- Transportation is arranged for the faculty members who work after the working hours.

- Separate sports and games are organised for girl students during annual sports meet.

Counselling Centre:

- Students Counselling Centre takes extreme care on students, identifies their issues and mentors them with possible solutions. In addition, the institution's Psychology Counselor visits the college periodically for giving counseling to the students. Counselling is given even for students' personal problems. The impact of the counselling given is monitored in the next visits. The institute has a separate counseling room.

Common Room:

- Common Room facility for Girls is available with water and first aid box. The objective is to provide relaxation and refreshment mentally and physically.

e. Other relevant information

- Institution has NCC Women Wing in which a women faculty member is nominated as in charge for the wing. Girls, as NCC cadets, are participating in various activities.

- Institution provides Sick Room for Girl Students and Female Faculty & Staff Members to take rest during their illness.

- Further, the proportion of girls and boys is equal in Class Committee Meetings, sports activities, cultural events and also for events participationin other colleges.

- Women Empowerment Cell (WEC) strives hard for the women safety and upliftment by organising Guest Lectures, Awareness Programmes, Competition and Women's Day Celebration.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	[View Document](#)
Link for annual gender sensitization action plan	[View Document](#)

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: A. 4 or All of the above

File Description	Document
Any other relevant information	[View Document](#)

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

KSR IET is conscious about its responsibilities towards the environment and principles of three "R" model to maintain Eco-Friendly campus.

- Reduce
- Re-use
- Re-Cycle

1. Solid waste management:

- The solid waste generated in the campus includes plastics, food wastes, cardboard materials, paper wastes, metals, wood etc.
- Solid waste collected from the campus is being dumped in a compost yard available inside the campus. Incinerator is erected in girls hostel campus; shredders are also available for disposal of solid waste; biogas plants have been installed for the conversion of solid wastes.
- Dustbins are provided in the institute at convenient locations. The staff room, classroom and office have two separate dust bins to bifurcate the dry and wet waste.
- The single side papers are re-used for writing and printing circulars in all departments. This segregated waste is collected by municipal workers.
- Metal and wooden waste is stored and given to authorized agent for further processing.

2. Liquid waste management:

- Liquid waste mainly consists of waste water from kitchens, washrooms and mess. This waste water is transported through sewerage system of underground pipes. The waste is finally collected in the underground tank through water chamber to remove the solid waste. Then the waste is supplied through feeding pump to ionizer, E-cell, mixer, back filter, clarifier, sand filter and carbon filter. The outlet is connected to carbon filter. The treated water is used for watering to plants and trees and cleaning.
- It works on Passing of electrical current through water in effective way to remove contaminants from water by destabilizing and electro-coagulating suspended organic and in-organic in sewage.

3.   E-waste management:

- The e-waste obtained in the institute comprises of batteries, UPS, discarded input devices like mouse, key boards, wires and cables.
- The discarded e-waste is exchanged with vendors to get new products at discount, which helps in saving money to great extent and also provides with safe disposals process.
- All electronic equipment used in the campus are regularly maintained and repaired to ensure minimum e - waste.
- Our students collect the E-waste from adapted village in special camp time and create.
- An awareness programme is also organised for the school students on E-waste management.

4. Waste recycling system:

Our college has two bio-gas plants. Food wastes, vegetable wastes and cow dung collected from college messes, canteens and cow farm are used in the plants to generate gas. It is used in our college canteen and hostel mess for preparing food. Around 200 kg to 250 kg food wastes are collected and they are converted into thermal energy. Approximately one cylinder of gas is obtained from the plants. Two members have got work because of these plants. The plants are successfully running for the past 10 years.

File Description	Document
Any other relevant information	[View Document](#)

7.1.4 Water conservation facilities available in the Institution:

1. **Rain water harvesting**
2. **Borewell /Open well recharge**
3. **Construction of tanks and bunds**
4. **Waste water recycling**
5. **Maintenance of water bodies and distribution system in the campus**

Response: A. Any 4 or all of the above

File Description	Document
Any other relevant information	[View Document](#)

7.1.5 Green campus initiatives include:

1. **Restricted entry of automobiles**
2. **Use of Bicycles/ Battery powered vehicles**
3. **Pedestrian Friendly pathways**
4. **Ban on use of Plastic**
5. **landscaping with trees and plants**

Response: Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	**View Document**
Any other relevant documents	**View Document**

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. **Green audit**
2. **Energy audit**
3. **Environment audit**
4. **Clean and green campus recognitions / awards**
5. **Beyond the campus environmental promotion activities**

Response: B. 3 of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	**View Document**
Certification by the auditing agency	**View Document**
Any other relevant information	**View Document**

7.1.7 The Institution has disabled-friendly, barrier free environment

1. **Built environment with ramps/lifts for easy access to classrooms.**
2. **Divyangjan friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**
5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: B. 3 of the above

File Description	Document
Policy documents and information brochures on the support to be provided	**View Document**
Any other relevant information	**View Document**

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance

and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

KSR FM Radio:

KSREI Community Radio 90.4 MHz, is an initiative to empower the people of Tiruchengode region. It regularly conducts a few programmes such as Interactions and Interviews of experts to support development in health, education, environment and agriculture.

School Students Visit:

To promote the skills of our nearby school students, they are brought to our campus to visit every laboratories and library. The lab in-charges of the laboratories concerned will vividly explain the functions and usages of the equipment and the software used in the laboratories.

Pongal Celebration:

Pongal is one of the most popular harvest festivals of South India which is celebrated in the campus. Celebrations include Rangoli, singing folk songs and cooking of delicious Pongal in a traditional way of preparing in mud pot with all religious traits and performed special Pooja. The boys in dhotis' and girls in Sarees depicted our cultural way of dressing. Competitions such as breaking pots, tug of war , silambam etc were also conducted.

Tamil Mandram:

Kamban Tamil Mandram activities focus on bringing out the literary skills of the students. Every year, it conducts various events for the students. The events include Poetry, Debate, Essay Writing, etc.

Yoga Club:

Through Yoga club, Yoga training is given periodically to all the students. The main Motto of Yoga club is to make individuals physically and mentally fit to take up their day-to-day work with ease and confidence.

Cultural Committee:

The cultural committee of KSR IET intends to encourage student's interest, participation, and responsibility. The objective is to provide social, cultural and recreational activities for the college community.

The committee comprises Music Club with the objective of encouraging the students to showcase their talent of vocal and instrumental music. The club gives musical performances on Independence Day, Republic Day, College Annual Day and on a few other occasions. The Club also conducts various competitions and musical programs at various levels.

Cultural Events such as dance, skit, mime, fashion show are performed by students during the Annual Day Celebrations every year in our institute. The cooperation and team spirit of the students on the day bring

communal harmony.

Founder's Day:

In view of our founder's birthday on February 20th, it is celebrated as the Founder's Day every year. After the formal function, the students of each institution give their cultural performance on the stage. Special lunch is provided to all the faculty members, the staff and the students.

NSS Volunteers' work:

As a part of our social service, our NSS team clean and white wash the temples in the nearby villages and control the crowd during local festivals.

Lingua Club:

Lingua Club organizes Public Speaking Programme, Essay Writing, Slogan Writing, Poem Composing, Spell Bee, Tongue Twister and JAM to enhance the language proficiency of the students.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

In our college we conduct several programmes related to Human Values and Ethics to enhance the character of the students. It is believed that because of this effort made by the Institution towards Human Values and Ethics, we ensure that the students are made aware of the problems and their possible solutions through self-exploration. Through the activities conducted, an effort is made to rid society from the ills prevalent. To take forth our social responsibilities, the activities which best show our duties and responsibilities towards the society and nation is listed below.

- Final year students are encouraged to do project which meet societal needs.
- Our college has included human values in its vision itself.
- We also insist all our students to opt Professional Ethics in Engineering as an elective paper for those who do not have this as a core paper.
- A voter's pledge programme was organized for students and faculties at KSRIET.
- Faculty members were deputed to act as polling officers in Tamilnadu elections to carry out various election works.
- Awareness procession was also organized at Erode bus stand by our NSS, Music club and JCIKSRIET Tiruchengode Wing.
- Every year Republic Day is celebrated on 26th Jan by organizing activities and highlighting the

importance of Indian Constitution.

- Constitution Day is also celebrated on 26th Nov every year.
- Independence Day is also celebrated every year to highlight the struggles faced by our freedom fighters.

- Blood donation and blood screening camps are organsied by our NSS team.
- Unnat Bharat Abhiyan team of our institute made plastic-free-village campaign in the adopted villages. They collected the one-time use plastics and also distributed cloth bags among the school students and villagers.
- Our team organized Grama Sabhas in the adopted villages with the people of the respective villages in the presence of the respective President, Counsellor and Ward member on 26.01.2020. The current issues and beneficiary topics were also discussed.
- KSRIET Music Club has given many performances in the orphanages and homes for aged people.
- Deya is an initiative to enhance social responsibility of the students and faculty members of CSE department to render their support by contributing essential items like groceries, vessels and study materials to the poor children in the orphanages.

- KSRIET in association with AJS Trust donated textbooks to the students of Nadha Goundampalayam Elementary School.
- Our institute donated relief materials to the people affected by Kaja cyclone and donated Rs. 75,000/- worth flood relief materials to the flood affected people of Kerala in 2018.
- T. Yogesh of B.E. Mechanical Engineering was selected in Youth Parliament, an event organized by the Central Government to visit New Delhi to meet our honourable Prime Minister on 25th February 2019.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. **The Code of Conduct is displayed on the website**
2. **There is a committee to monitor adherence to the Code of Conduct**
3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
4. **Annual awareness programmes on Code of Conduct are organized**

Response: B. 3 of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	[View Document](#)
Code of ethics policy document	[View Document](#)

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

KSR IET organizes National Festivals, Birth and Death Anniversaries of great Indian personalities to promote national unity, integrity and patriotism among the young minds.

Independence Day:

The institution celebrates Independence Day every year by elegant flag hoisting ceremony with the presence of invited Chief Guest, who unfurls the national flag followed by a beaming patriotism outshined during the singing of National Anthem.

Republic Day:

The Republic Day is celebrated with gaiety and patriotic fervor at KSRIET. On this privileged occasion, celebrations start with the vibrant and elegant National Flag hoisting ceremony and the heartfelt renditions of patriotic songs arises feelings of love and brotherhood among everyone.

Teacher's Day:

The institution celebrates Teachers day to commemorate the birth anniversary of the second President of India, Dr. Sarvepalli Radhakrishnan, a great teacher. Everyone involved and enjoyed the activities like fun games, singing and solo & group dance etc. The activities also include lucky prize and fun games in which all the faculty members participated enthusiastically.

APJ Abdul Kalam's Birthday:

Dr. A.P.J. Abdul Kalam's birthday is celebrated on 15 October by paying respect with flowers to his Photo by everyone and by inculcating the fundamental values to be practiced in the years to come.

Ganesha Chaturthi:

The Institution celebrates "Ganesha Chaturthi" in our temple at the entrance. Everyone in the campus is invited during the 'Pooja' and 'Prasadam' is distributed to all.

Pongal Celebration:

Pongal Festival is celebrated every year, all the boy students come in dhoti and girl students in saree. They prepare Pongal in a traditional way with a Pot and sugarcanes. A few events like tug of war and silambam are conducted on the day.

World Environment Day:

World Environment Day is celebrated every year. As a part of the celebrations, our students plant trees in their natives and essay writing competition is also conducted.

International Yoga Day:

OurInstitute celebratesInternational Yoga Day with all the faculty members and the students. The External Trainer is invited on the day and all the students will perform some Asanas and Breathing Exercises.

Saraswathi Pooja:

Saraswathi Pooja is a celebration by the students and the faculty members by performing Pooja with Books, Files and Documents in all the departments and office to have a successful academic and career growth.

Science day:

Science Club is a platform to induce the science spirit among students. A grand programme is organized every year on Science Day, 28 February with a few events such as Paper Presentation, Quiz, and Project Modelling etc.

International Women's Day:

Women Empowerment Cell organizes International Women's Day every year in which a Special Guest is invited to address all the girl students and female faculty & staff members. In addition, some events such as Rangoli, Mehandi, Debate etc., are conducted.

File Description	Document
Link for Annual report of the celebrations and commemorative events for the last five years	[View Document](#)

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

<div align="center">

Best Practices -I

</div>

1. Title of the Practice: Reformed Teaching Learning Process

2. Objective:

The primary focus of the RTL method is to give students a wide-range of knowledge, exceptional creativity and more comfort and to bring out their hidden potentials into the limelight.

3. The Context:

In education, teachers facilitate students' learning which helps students gain skills, knowledge and thinking ability. Different ways to teach are often referred to as pedagogy. Teaching using pedagogy involves assessing the educational levels of the students on particular skills. Understanding the pedagogy of the students in the classroom involves using differentialised instruction as well as supervision to meet the needs of all students in the classroom.

4. The Practice:

(a) Student Centric Learning

As we found a few difficulties in the traditional method of chalk and talk teaching, we have set up the classroom as student centric namely Reformed Teaching Learning (RTL) process.

(b) Activity Based Learning

As this new process is connected with activity based learning such as role play, brainstorming etc., students get more space to interact with teachers and classmates. Further, PPTs, Videos, OHPs and Short Seminars are used in the RTL method.

(c) Project Based Learning

The RTL method provides a detailed learning to students and also reduces them to initiate a project on the basis of what they have learnt in the classroom.

(d) Experiential Learning

- Students undergo in plant training/ internships through which they understand practical implementations of technology and get exposure to real time problems.
- Based on the real time problems students are encouraged to do mini projects and final year project works.
- Students are made to have experiential learning through their practical sessions in the laboratories as a part of their curriculum.

(e) Participative Learning

- Participated learning is promoted in regular classes by variety of teaching methods like think pair, peer learning, Just A Minute, seminar, group discussion, enacting role play etc., for easy understanding of concepts.
- To enhance student participation in diverse activities, our institution has various professional

societies such as IEI, ISTE, EDC, CSI, ICT, IIC, department associations etc. The students participate in paper presentations, coding contests, project expos, workshops, etc and develop their core knowledge, presentation skills and soft skills.

- Value added courses and e-learning provide platform for students to learn new and advanced technologies.

(f) Problem Solving Methods

- Tutorial hours are conducted for analytical subjects in the curriculum to solve problems related to the subject.
- Students are motivated to take up case studies and implement the various methods/ techniques to solve the problem.
- The students are motivated to register for online NPTEL Certificate courses in addition to their regular curriculum thereby creating a platform to learn and interact with IIT professors
- Mathematics Laboratory (Math Lab) contains models which are utilized to solve basic mathematical problems

(g) ICT enabled tools for effective teaching-learning process

Apart from conventional chalk and talk lectures, we follow an experiential learning which creates an opportunity for learners to apply what they have been taught to solve real-world challenges. Every experiential learning activity includes a debriefing session where learners receive feedback and coaching from the faculty members. To make it effective, we have made all the classrooms with ICT Enable tools which help to generate new paths of quality education. The following ICT enabled teaching approaches are being practiced in the institution by using the following Teaching Tools.

- Simulation
- Mind map
- Video Lecturing
- Animation
- Seminars
- Virtual Labs
- Google classrooms
- Google /Microsoft teams meet.
- Terv Tool is used for programming assistance
- Neo coder - examly , V- Labs are used for conducting academic lab courses virtually
- Smart classrooms with LCD projectors,
- Study materials, video lectures of theory and laboratories, question bank and assignment topics are also made available in

5. Evidence of Success:

KSRIET is one among 4 colleges in Tamil Nadu and 29 colleges in India in achieving best Practices in AICTE approved Institutions in the year 2018.

The outcome of the Reformed Teaching and Learning Process can be witnessed in the Academic Review Meetings, where the students have given excellent feedbacks for the process involved in the teaching and learning process.

As a result of continuous encouragement and guidance of our faculty members, our students have come out with projects which meet societal and industry-related challenges. This helps the students to design more such projects and become entrepreneurs. This also helps them to appear for project contests and win awards.

6. Problems encountered and Resources required:

Students from rural areas are in considerable number. Those students in the first year feel difficult to get accustomed academically to the engineering curriculum. In school level, Tamil medium students have lack of confidence in communicating in English and Biology students have lack of confidence in learning computer subjects. To improve their confidence level, Communication Skills Development (CSD) classes are incorporated in the class timetable itself for two hours per week. The inputs given in the CSD classes have been revealed in the students' active participation in the Lingua Club activities and the participation in the Youth Talks. To kindle the students' interest towards computer, the basics of computer and programming are taught in the bridge course itself.

Most of the students' dream is to be placed in core companies. However, the number of core companies come for recruitment is less when compared to software companies. The students of ECE, EEE and Mechanical do not have computer papers in their third year. It becomes a hurdle to them to get placed in software companies. As our institute has well experience faculty members in the departments of CSE and IT, they are utilized for giving special training to the students in the required areas.

Best Practices-II

1. Title of the Practice : Enhancing Research Proficiency of Faculty and Students.

2. Objectives of the Practice

- To motivate and develop research culture among students and faculty.

- To submit proposals to the funding agencies for conducting National, International Conferences, seminars, research projects and workshops.
- To assist faculty and students to file patent applications and to take up research and consultancy projects
- To understand the latest research activities in all the domains

3. The Context

Encouraging students to focus much on research activities and on the future needs of technology will make them think innovatively. The institute will strive hard to make all the students set their career by providing them the latest research activities. It will help the institute to fill the gap between the industries and institute. Continuous motivation will be done to make the students and the faculty members to publish articles, submit proposals, file patents and involve much in research activities. This kind of actions will make the students realize the needs of society too and they will execute all sorts of works with the maximum efforts.

4. Practice

The institute strongly believes that the faculty members' caliber plays prominent role in making students good at research activities. Each faculty members are instructed to identify their major domains from their respective department. The problems identified in their respective domains are given as projects to students. To make them proficient in their domain, they are also encouraged to attend FDPs, STTPs, Workshops, NPTEL Courses etc. Besides, the faculty members are trained by a few industries such as Vitusa, Wipro, Aspire etc. Funding Proposals are regularly applied with governmental and non-governmental agencies. Further, the faculty members are encouraged to publish Papers, Books, apply Patents and Intellectual Property Right. Knowledge sharing activities are conducted every fortnight among the faculty members and students to make everyone know and induce their interest in research activities. The faculty members are encouraged to act as Resource Persons and to give Guest Lectures to other colleges. To make students involve in all these events, they are encouraged to take Online Courses beyond the syllabus and on the recent technologies. College level idea contests are conducted and project contests are organized at the end of every semester. Students are motivated to participate in Smart India Hackathon Events through IIC. In addition, Guest Lectures are arranged for students on the latest technologies.

5. Evidence of Success

The Institute's pride is that one third of the faculty members are Ph.D holders and 38 research scholars have been awarded with the PhD Degrees under the supervision of our faculty members recognized as research guides by Anna University. The number of research publications in the indexed journals from our institution is 345 during June 2015 - December 2020 and h-index level of our Institute is 15. Faculty members and the students from each department have made remarkable achievements in NPTEL Courses. In 2019-2020, Rs. 44 lakhs have been received as R&D fund and our faculty members have filed patents for Intellectual Property Report (IPR). The Institution of Engineers (IE) has given the Best Supervisor Award to few of our faculty members. Our EEE department has been approved as Research Centre by Anna University. In consecutive years, our students' projects mentored by the faculty members received grants from Tamilnadu State Council for Science and Technology (TNSCST) and Texas Instruments (TI) for implementing projects. Further, our students have participated and shared their ideas in the MHRD's Smart India Hackathon contest. The Institution of Engineers (IE) has given Best Student Project Awards to our students and also significant achievements have been done by our students in NPTEL Courses.

6. Problems Encountered and Resources Required

When the proposals are applied to receive funds, the minimum criteria of 10 year completion of the Institute is required and hence the Institute gets delay in receiving funds and sometimes it's refused. The track records of our faculty members and students help the institute try hard and the institute continuously supports for all sorts of research endeavours. Further, being affiliated to a university, students are instructed to follow the conventional method of learning and the common exam centric approach under a tight academic schedule. Hence it becomes necessary that value added courses on the emerging trends and tools could be conducted only after college hours or during semester holidays. The institute encourages the students to balance between the usage of modern tools and the regular academics.

File Description	Document
Link for Best practices in the Institutional web site	[View Document](#)
Link for any other relevant information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Placement Readiness Programme

The industry always looks for students who are vibrant, energetic individuals, ready to accept challenges, attentive, fast learners, open to learning even at work and more importantly with a good academic background and good communication skills.

Industries today make use of unique techniques during recruitment to make certain that those hired will meet its requirements. The Training & Placement Cell recognizes these techniques by interacting with the industry and prepares students for them.

The uniqueness of our Training & Placement Cell is to ensure that the recruitment process is a successful journey for the students of KSRIET. It puts high emphasis on technical and non-technical pre-placement training, which will train students to excel at interviews and recruitment processes.

It is often seen that engineering fresher do not meet all these requirements to get immediately hired across the industries. They still need to have certain skills and training to work in the market. Owing to this gap in the industry standards and education structure, the Training & Placement Cell offers many Skill Enhancement Training under "Placement Readiness Programme" for the students.

The Specific Objective of the Placement Readiness Programme is to train and expertise the students to meet the industrial needs.

- To prepare students to face campus interviews through arranging training in aptitude, group discussions, technical and HR interviews by trainers.
- To encourage career guidance and employment opportunities by organizing guidance lectures by corporate personnel and most importantly by the immediately placed senior students.
- To enhance employability skills, career competency, nurture life skills to all students and develop Industry readiness by imparting necessary training and thus bridging the gap between Industry and Academia.

Students are constantly motivated through counseling, to increase their morale. Students are also informed and advised on the importance of maintaining good academic scores as these play a major role during recruitment.

KSRIET looks to develop its students from industrial perspective. For this, we give training to impart Problem Solving Skills, Communication Skills, Technical Skills and Soft Skills to every student.

As the Problem Solving Skills are the fundamental skill to crack the campus interviews, students are given around 30 hours of training on Aptitude in which they learn and practice all sorts of problems. The industries' major expectation is the Communication Skills of students. Hence, they are given around 30 hours training which covers basic grammar, role plays, group discussions, debates, self introductions, mock HR interviews etc.

Further, 150 hours of technical skills training is given to all the students that make them perfect in cracking technical interview rounds in the campus interviews. In addition, 50 hours of Soft Skills training is given to all the students, it makes them matured and confident during their campus interviews and also creates good impression among the HR people who visit our institute.

Communication Skills Development (CSD) classes have been designed for the first year students and Soft Skills Development (S2D) classes for the second and third year students. Weekly two hours for the S2D and two hours for the CSD are given in the class timetable itself. Apart from the internal trainers, external trainers are also used to give training for the students. The Training & Placement cell organizes mock sessions for GD, HR Interview and Technical Interview. Our faculty members are utilized for the mock sessions.

Besides, value added courses are offered by the respective departments on emerging technologies. We also promote students to visit various industries pertaining to their disciplines so that they get the right exposure. Faculty members are encouraged to attend Faculty Development Programmes to update themselves with new evolving technologies so that they are prepared to train the students.

The students are assessed through various online testing methodologies so that the right set of students is channelized towards the right profile. To train and assess the programming & aptitude skills of the students, the online tool Terv is used. With Terv Tool, students learn to solve problems exponentially using the hints, video explanations, test cases and solutions at their convenience.

To provide additional learner centric graded skill oriented technical training, with the primary objective of improving the employability skills of the students, Students are encouraged to do online courses from NPTEL, Great Learning, Irac & edx in order to gain the knowledge about the new technologies from experts. Online assessment tools of AMCAT & CoCubes are used for assessment and placement purposes.

Huge improvement has been witnessed in the personal and technical skills of the students after the pre-placement training. Also, massive difference is observed in their communication skills, their attitude in facing the interviews and confidence levels of individuals. Placement Readiness Programme is a high priority practice in KSRIET. To strengthen this practice, the college makes the faculty members competent with updated soft skills and technical skills to train the students and assist in pre-placement training.

In the academic year 2015-2016, 74.04% of the students got placed in many reputed companies. The average salary of the placed students was 1.77 lakhs per annum and the highest salary was 4.50 lakhs per annum. In the next academic year 2016-2017, the highest salary was slightly increased with 5.04 lakhs per annum and 72.57% of the students got placed in the year with the average salary of 1.79 lakhs per annum. The students' placement record was high in 2017-2018 with 78.87% in which the highest salary was 4.50 lakhs per annum and 1.62 lakhs per annum was the average salary. Despite the abnormal situation of the

industries, 75.91% of the students got placed in a range of industries in the academic year 2018-2019. 1.55 lakhs per annum was the average salary and 4.25 lakhs per annum was the highest salary in the year. Our students made remarkable achievements in the academic year 2019-2020. 10 lakhs per annum was the highest salary and 2.08 lakhs per annum was the average salary in the year. Totally 73.53% of students got placed in the year with many Core and IT industries.

File Description	Document
Link for any other relevant information	View Document
Link for appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

Step by step progress is the noteworthy feature of our college. KSRIET has received a plenty of Rankings and Awards for Academic Excellence. These attainments have been motivating the Institute to proceed further in a fruitful way and making our students shine in all the domains. The Institute's Ranking and Awards are as follows:

- UG programmes MECH, EEE, ECE, CSE, IT except BME (started in the year 2020) are **accredited by NBA.**

- One among 4 colleges in Tamil Nadu and 29 Colleges in India in Achieving **Best Practices in AICTE Approved Institutions.**
- Secured 9th Rank in Top Engineering Colleges of Excellence in Competition Success Review by **GHRDC Engineering College Survey 2017.**
- Accorded **PLATINUM RATING** in **AICTE – CII Survey of Industry Linked Technical Institutes 2020**
- Categorized as **"BAND B' Institutions (Rank Between 26 to 50)** in private self-financing colleges in India by **ATAL Ranking of Institutions on Innovation Achievements – ARIIA 2020**
- Ranked in top 200 Private Engineering colleges in India & Top 100 Private Engineering colleges in south India by **The WEEK – HANSA RESEARCH BEST COLLEGE AND UNIVERSITY Survey 2020.**
- Ranked in Top 25 outstanding Engineering Colleges of Excellences in India by **CSR – GHRDC Engineering Colleges Survey 2021.**
- **Cambridge University's** Certified Internal BEC Trainer produced **more than 200 Business English Certificate Laureates.**
- of our students received **Rs. 27500** per Year through **Aspire Systems - Bright Star Scholarship Program** by Aspire Systems, Chennai.
- Received **Financial Assistance and Fellowship 6 Lakhs for Start-up** from Regional Start-up Activation Program EDI Tamil Nadu and Forge Accelerators KCT Coimbatore.
- Our college Go-Kart team has got **"Best Innovation Award"** in National Level Go-Kart Racing Event and received **"Best Design Award"** with cash prize Rs.10,000 in Go-Kart organized by CADD Technologies, Coimbatore and **"Best Innovation Award"** with cash prize Rs.5,000 in Go-Kart in Kings Karting Championship organized by Kings Engineering College, Chennai.

Concluding Remarks :

As the College's Vision, "*To become a globally recognized Institution in Engineering Education, Research and Entrepreneurship",* the consistent efforts are being put in all the possible ways. Facilities of the campus, leadership of the Principal, dedication of faculty & staff members and the enthusiasm of students make the Institute shine in all the corners.The Institute is committed to provide Quality Education and Training to make students outshine in the fields of Science, Engineering & Technology and to make students proficient to meet the changing and challenging needs of society and industry by executing the following initiatives in the forthcoming years:

- Improving the competency level of the faculty and keeping them always innovative in the methods of teaching-learning process
- Sustaining the state-of-the-art infrastructure and amicable learning ambience
- Contributing to the academic excellence and in-depth knowledge of students
- Providing handful opportunities for Research and Development Programs
- Having Tie-ups with industries to update the latest trends and make students industry ready engineers
- Educating moral and ethical values to realize the societal needs
- Assuring continual enrichment of Quality Management System

Our Institute's journey continues towards accomplishing quality education for the betterment of student community through improved teaching-learning process, enriching technical skills with state-of-the-art laboratories & facilities and enhancing research & entrepreneurship activities to meet the industrial and societal needs.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.3	**Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years** 1. **Academic council/BoS of Affiliating university** 2. **Setting of question papers for UG/PG programs** 3. **Design and Development of Curriculum for Add on/ certificate/ Diploma Courses** 4. **Assessment /evaluation process of the affiliating University** Answer before DVV Verification : A. All of the above Answer After DVV Verification: B. Any 3 of the above Remark : Setting of question papers for UG/PG programs for colleges (not for affiliating University)excluded.
1.2.2	**Number of Add on /Certificate programs offered during the last five years** 1.2.2.1. **How many Add on /Certificate programs are offered within the last 5 years.** Answer before DVV Verification:

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
36	21	22	21	22

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
9	12	14	15	12

Remark : Excluded programs coming as part of curriculum.

1.2.3	**Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years** 1.2.3.1. **Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years** Answer before DVV Verification:

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
1041	1210	1553	1697	1480

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16

| 479 | 712 | 921 | 1105 | 764 |

Remark : Edited based on metric 1.2.2.

1.3.2	**Average percentage of courses that include experiential learning through project work/field work/internship during last five years**
	1.3.2.1. Number of courses that include experiential learning through project work/field work/internship year-wise during last five years
	Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
187	149	144	132	123

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
15	14	10	10	13

1.3.3	**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year**
	1.3.3.1. Number of students undertaking project work/field work / internships
	Answer before DVV Verification : 432
	Answer after DVV Verification: 327
	Remark : Considered final year students of all programs.

1.4.1	*Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders*
	1) Students
	2)Teachers
	3)Employers
	4)Alumni
	Answer before DVV Verification : A. All of the above
	Answer After DVV Verification: B. Any 3 of the above

2.1.2	**Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)**
	2.1.2.1. Number of actual students admitted from the reserved categories year-wise during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
236	176	361	316	410

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
207	176	314	296	345

Remark : Restricted to the quota allotted for OBC.

2.3.3	**Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)** 2.3.3.1. Number of mentors Answer before DVV Verification : 84 Answer after DVV Verification: 82
2.4.2	**Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)** 2.4.2.1. **Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years** Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
26	22	23	19	17

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
25	21	21	17	17

2.4.3	**Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)** 2.4.3.1. **Total experience of full-time teachers** Answer before DVV Verification : 544.5 Answer after DVV Verification: 493 Remark : Considered completed year of service of full time teachers only.
3.1.1	**Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)** 3.1.1.1. **Total Grants from Government and non-governmental agencies for research**

projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
44.87	1.36	4.14	2.12	10.4

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

Remark : Considered grants received from Government and non-governmental agencies for research projects, endowments, Chairs only.

3.1.2   **Percentage of teachers recognized as research guides (latest completed academic year)**

3.1.2.1. Number of teachers recognized as research guides
Answer before DVV Verification : 13
Answer after DVV Verification: 10

Remark : Considered full time teachers recognized as research guides for the latest completed academic year.

3.1.3   **Percentage of departments having Research projects funded by government and non government agencies during the last five years**

3.1.3.1. Number of departments having Research projects funded by government and non-government agencies during the last five years
Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
5	4	3	4	2

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

3.1.3.2. Number of departments offering academic programes
Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
5	5	5	5	5

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
5	5	5	5	5

Remark : Edited based on metric 3.1.1.

3.2.2	**Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years** 3.2.2.1. **Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years** Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
81	19	19	18	17

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
26	6	9	7	4

Remark : Considered only workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship.

3.3.1	**Number of Ph.Ds registered per eligible teacher during the last five years** 3.3.1.1. **How many Ph.Ds registered per eligible teacher within last five years** Answer before DVV Verification : 38 Answer after DVV Verification: 3 3.3.1.2. **Number of teachers recognized as guides during the last five years** Answer before DVV Verification : 6 Answer after DVV Verification: 6 Remark : Considered Ph.Ds registered during the assessment period only.

3.3.2	**Number of research papers per teachers in the Journals notified on UGC website during the last five years** 3.3.2.1. **Number of research papers in the Journals notified on UGC website during the last five years.** Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
61	62	55	88	66

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
6	6	11	7	13

Remark : Considered research papers in the Journals notified on UGC CARE and other approved portals only.

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

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
122	155	191	83	51

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
8	0	4	4	6

Remark : Publications with ISBN number and authors' affiliation with HEI only considered from the clarification documents. Publications beyond assessment period, without ISBN number not considered. Books with more than one author is counted as one.

3.4.2	**Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years**

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
10	22	1	0	1

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
5	14	1	0	1

3.4.3	**Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

3.4.3.1. Number of extension and outreached Programmes conducted in collaboration with

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
55	58	29	25	32

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
13	10	10	4	8

Remark : Considered extension and outreach programs which benefit the community. Excluded activities organized for the students only.

3.4.4	**Average percentage of students participating in extension activities at 3.4.3. above during last five years**

3.4.4.1. **Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
892	779	536	654	685

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
523	579	536	272	496

Remark : Edited based on metric 3.4.3.

3.5.1	**Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year**

3.5.1.1. **Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
927	359	265	443	313

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16

| 0 | 0 | 0 | 0 | 0 |

Remark : Excluded activities without collaboration documents with the institutions.

3.5.2	**Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years** 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** Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
14	08	06	06	04

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
13	05	03	03	04

4.1.3	**Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.** *(Data for the latest completed academic year)*
	
	  4.1.3.1. Number of classrooms and seminar halls with ICT facilities
	Answer before DVV Verification : 42
	Answer after DVV Verification: 29
	
	  Remark : Excluded labs & seminar halls. Considered 27 rooms with fixed LCDs and 2 portable LCD projectors.

4.1.4	**Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)** 4.1.4.1. **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)** Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
79.11	141.13	205.70	189.63	174.40

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
28.16	58.22	111.59	78.11	13.14

Remark : Figures arrived from schedules provided with audited balance sheets of the College. Excluded exp. on library books and cost of car/vehicle not for the use of students.

4.2.3	**Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)**

4.2.3.1. Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
11.20	11.60	18.45	14.84	19.91

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
9.95	11.37	18.07	15.41	19.62

Remark : Arrived the figures from the schedule of balance sheet and income and expenditure statement incurred for purchase of books/e-books and subscription to journals/e- journals.

4.2.4	**Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the latest completed academic year**

4.2.4.1. Number of teachers and students using library per day over last one year
Answer before DVV Verification : 229
Answer after DVV Verification: 181

Remark : Considered footfalls and login records of sample dates certified by Principal.

4.4.1	**Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)**

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
238.41	250.51	244.59	246.63	315.53

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
55.28	44.42	18.77	3.07	13.44

Remark : Only expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) considered from the audited income and expenditure statement of the College. Expenditure incurred by Trust not considered.

5.1.2	**Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years**

5.1.2.1. Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
298	416	364	263	191

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

Remark : HEI claim is not reflected in the income and expenditure account in none of the years.

5.1.4	**Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years**

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
900	1077	1344	1462	1573

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
900	1077	407	195	487

Remark : Considered only career counselling and guidance for competitive examinations.

5.1.5	**The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases**

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: B. 3 of the above

Remark : Sl. no 1, 3 and 4 considered.

5.2.1	**Average percentage of placement of outgoing students during the last five years**

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
175	208	210	210	252

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
91	101	143	136	218

Remark : Excluded apprenticeship, on-the-job training, internship, unsigned appointment orders, emails.

5.3.1	**Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.**

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
23	08	13	11	23

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
3	2	0	0	1

Remark : Considered university inter-zone level prizes only.

5.3.3	**Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)**

5.3.3.1. **Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
762	582	793	609	620

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
14	25	16	15	16

Remark : Considered sports and cultural events/competitions. Various activities conducted as part of an event is counted as one. Excluded motivation talks, opening sessions, inaugurations, Pongal Celebrations, womens day celebration, flash mob, etc.

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**

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
49	49	56	43	47

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
41	39	48	31	31

Remark : Excluded activities such as Acharyaa Devo Bhava, Induction Program, seminars, Entrepreneurship related programs, etc.

6.3.4	**Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).**

6.3.4.1. **Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
76	112	142	82	100

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
38	6	30	12	22

	Remark : Considered programs of 5 days or more duration. Teachers attending multiple programs in an year counted as one.
7.1.6	**Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:** 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions / awards** 5. **Beyond the campus environmental promotion activities** Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: B. 3 of the above Remark : Sl.no 2,3 and 5 considered.
7.1.10	**The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.** 1. **The Code of Conduct is displayed on the website** 2. **There is a committee to monitor adherence to the Code of Conduct** 3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff** 4. **Annual awareness programmes on Code of Conduct are organized** Answer before DVV Verification : A. All of the above Answer After DVV Verification: B. 3 of the above Remark : Considered sl.nos 1,2,and 4.

2.Extended Profile Deviations

ID	Extended Questions
1.2	**Number of programs offered year-wise for last five years** Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
9	10	10	9	9 | Answer After DVV Verification: | 2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
9	9	9	9	9	
2.1	**Number of full time teachers year-wise during the last five years** Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16	

99	123	147	158	152

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
89	102	140	148	148

3.1	**Total number of classrooms and seminar halls** Answer before DVV Verification : 42 Answer after DVV Verification : 40
3.2	**Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)** Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
317.52	391.64	450.29	436.25	489.92 | Answer After DVV Verification: | 2019-20	2018-19	2017-18	2016-17	2015-16
---	---	---	---	---
210.63	274.42	273.72	256.99	190.56	