



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

SRK INSTITUTE OF TECHNOLOGY

D.NO 3-44 NH-5, ENIKEPADU, VIJAYAWADA, KRISHNA DIST ANDHRA
PRADESH PIN - 521108

521108

www.srkit.in

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

SRK Institute of Technology is a nonprofit organization established under the flagship of SRK Foundation in 2007. The institution was born out of the benign vision of eminent educationist and industrialist, Sri B. S. Appa Rao, who desired of providing quality education to the rural and semi urban students. The institution is located on the National Highway 16 in the city of Vijayawada, also known as cultural capital of Andhra Pradesh, on the banks of river Krishna. Its location makes it one of the most accessible colleges.

The institution is located in the area of 6.57 acres with 27,829 sqm of built up area. The institution is approved by AICTE, New Delhi on 30th August 2007 and the government of Andhra Pradesh. The institution is affiliated to Jawaharlal Nehru Technological University, Kakinada. It is also certified by ISO 9001-2015.

The institution started modestly with admissions in 4 UG programmes in CE, ECE, CSE and IT branches with 240 students intake. Today, the institution offers 8 UG programmes with a sanctioned intake of 600 students. The institution is offering 2 new UG programmes in CSE with specialization in Artificial Intelligence & Machine Learning and Data Science from the academic year 2020-21 onwards.

The institution was approved to start UG programme in ME during academic year 2010-11. The institution offers 5 PG programmes – M.Tech in ECE, CSE and Masters in Computer Application, Masters in Business Administration and Integrated MBA. The college was the first private institute in the region to offer Integrated MBA course.

Every year, approximately 2, 200 students study at the institute. The institute has well qualified and experienced faculty. The faculty is encouraged to update their knowledge and pursue higher degrees. The institute provides requisite facilities and infrastructure for students and staff.

The institution has strong industry-academia collaborations with the organizations like APSSDC (Andhra Pradesh State Skill Development Corporation), CISCO, UTL Technologies and many more for skilling programmes.

The institution strives to provide quality education that encompasses sustainable holistic development thereby enhancing the career prospects as well as life skills of the students.

Vision

“To emerge as a force to reckon with in our region for imparting quality engineering education and aspire to earn eventually national and international recognition as a premier educational institute with academic excellence”.



Mission



- To create and sustain intellectually challenging environment, which enable and empowers the students and the faculty, the key two players in the academic arena.
- To perform best practice benchmarking on a continual basis for evolving the right culture in the institute.
- To develop efficient knowledge delivery systems with emphasis on the learning and problem-solving

capabilities of the students.

- To facilitate the metamorphosis of the students into productive and responsible citizens.
- To enable SRK Institute of Technology play an active role in regional wealth creation through the promotion of industry-oriented research.
- To maintain high degree of integrity and transparency and highest form of professional ethics in our day-to-day affairs.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Recipient of 'Chief Minister's Excellence Centre' by the Government of Andhra Pradesh since 2018.
2. Providing additional certification programs in collaboration with BSNL, APSSDC and other MNCs like Microsoft, RedHat, CISCO, ICT Academy, DASSAULT.
3. Continuous and consistent encouragement of full-fledge support from the Management to take up faculty development initiatives.
4. Automated system in the library is incorporated for distribution of books. Journals and other resources such as e-services are also upgraded. Digital Library is provided for easy access of information.
5. Great focus on holistic development of students that goes beyond mere classroom teaching and also in encouraging them to be active participants in social work and community development activities.
6. Actively functioning cells like IQAC, EDC, IPRC, IIIC and R&D to foster a spirit of innovation and entrepreneurship.
7. Academic excellence enhanced by proficient faculty members and supported by strong and excellent infrastructure.
8. Administrative autonomy that supports the continuous growth of the institution.
9. The institute has Memorandum of Understanding (MoU) with various organizations that include BSNL, Microsoft, Edu-skills, APSSDC, CISCO Net Academy etc.
10. Arrangement of transport facility to students and faculty from nearby towns and villages.
11. Internal Quality Assurance Cell (IQAC) formed to ensure quality in teaching learning process.
12. High retention ratio of qualified faculty across all the departments.
13. Effective mentoring system for close monitoring and counselling with mentor-mentee ratio of 1: 20.
14. Various clubs and chapters are constituted to facilitate co-curricular and extension/outreach activities.



Institutional Weakness

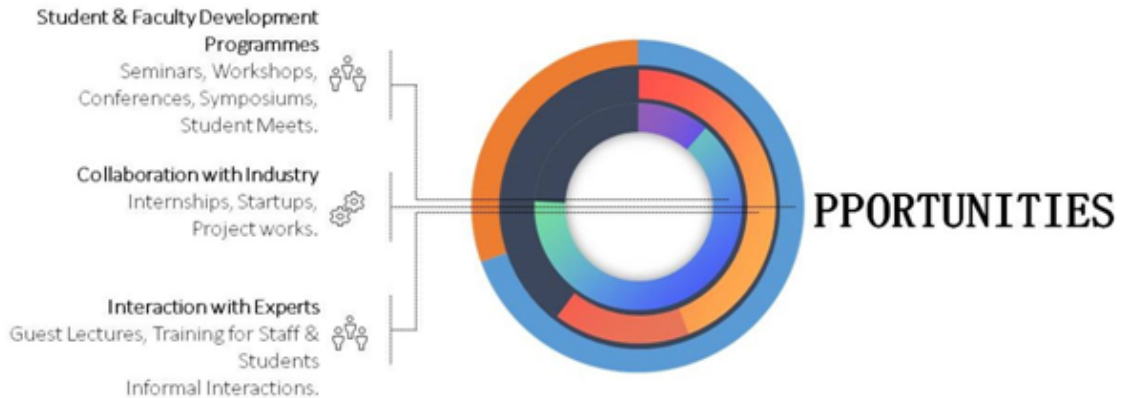
1. Limited scope for autonomy in syllabus framing.
2. Departments are yet to receive recognition as research centers.
3. The institute is not yet optimally utilizing research and development facilities.
4. Involvement of the alumni in the overall development of the college is minimal.
5. Students from rural areas at their entry level struggle to meet global standards due to the lack of communication skills in English.
6. The institute has yet to receive funded projects, standard publications, patents and consultancy.
7. Lack of enthusiasm even among meritorious students to pursue higher studies.



Institutional Opportunity

1. The institute is regularly organizing various online & offline development programs for the benefit of the faculty and students through seminars, workshops, conferences, symposiums and student meets.

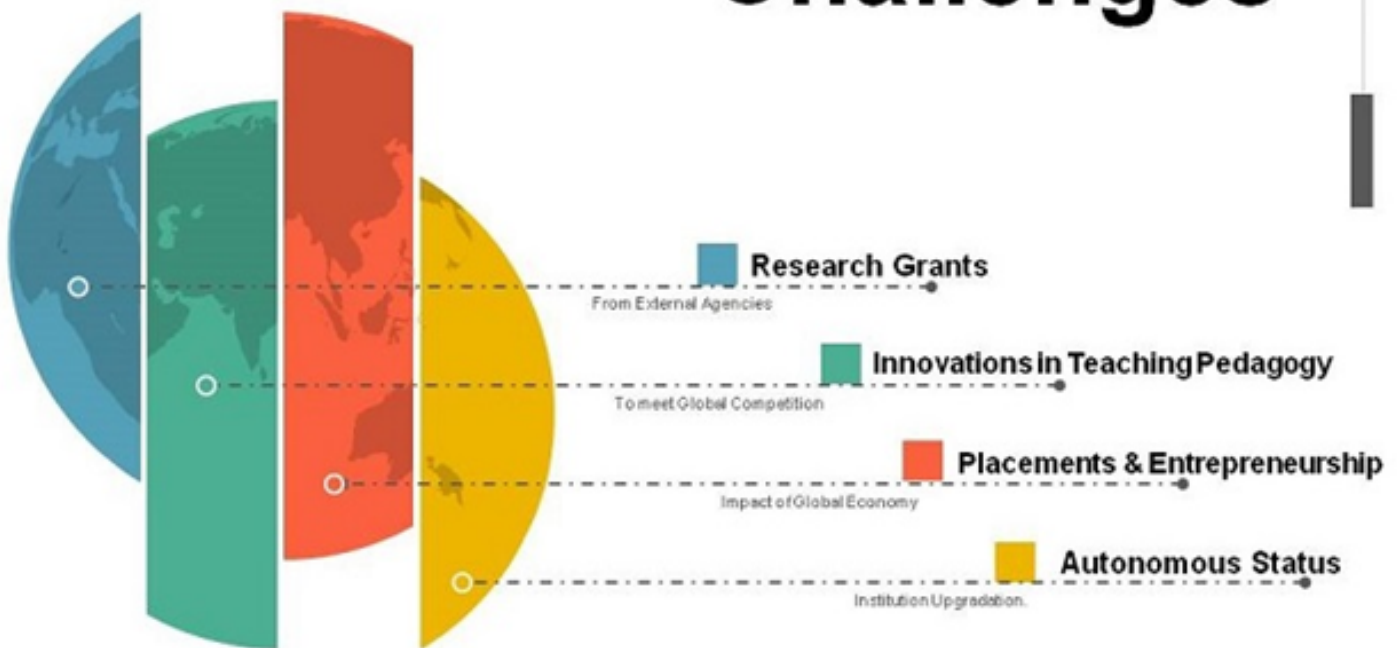
2. Many opportunities for collaboration with both established and start-up companies for enhancing experiential learning.
3. The faculty and students are provided opportunity to attend guest lectures, training programmes and interaction with eminent personalities.



Institutional Challenge

1. Receiving research grants from external agencies.
2. Innovations in teaching pedagogy on par with global standards.
3. Meeting placement challenge in fluctuating global economy.
4. To upgrade the institution to secure autonomous status.

Challenges



1.3 CRITERIA WISE SUMMARY

Curricular Aspects

SRK Institute of Technology, affiliated to JNTUK Kakinada, follows the curriculum prescribed by the university. The university publishes the academic calendar for both the semesters prior to the commencement of the class work for an academic year. The academic calendar provides date of commencement of academic session, duration of the semester, period of internal assessment tests, final semester exams.

The College Academic Committee (CAC) is constituted every year comprising of all the heads of departments as its members headed by the Principal. The CAC discusses the scheme and syllabi. The heads of the departments allocate subjects to faculty by considering the qualification and specialization. The faculty prepare the teaching plan and document it in detail based on topic intensity and time constraint for the semester. The preparation of such a plan helps with effective distribution of syllabus, clarity of curriculum and timely completion of the course.

Apart from traditional chalk and talk methods, teachers are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, group discussions, seminars, industrial visits and projects. Students are encouraged to enroll for relevant certificate courses to reinforce their placement opportunities. The institution has various collaborated labs, which train the students on various certificate courses. Students are encouraged for internship and as a part of their academic projects, students are encouraged to focus and find solutions for societal challenging problems.

Mandatory and audited courses like Environmental Science, Professional Ethics and Human Values, and Intellectual Property Rights are imparted to students as per JNTUK curriculum. Choice based credit system and credit based semester system as indicated in curriculum and the course structure as suggested by AICTE is followed. All the programs offer elective courses and choice based credit system.

The institution collects feedback from the students during the semester regarding the performance of teachers. Feedback from all stakeholders on curriculum that is, from students, faculty, parents, alumni is collected. It is analyzed and the inputs are used for subsequent year planning for better performance of the students.

Teaching-learning and Evaluation

SRKIT is well aware of the fact that the students come from varied backgrounds with different learning capabilities. The institution recognizes the need to provide latest tools especially in view of the present generation of students who are natives to technology.

- Admissions are done through AP-EAMCET, ECET for UG and GATE, AP-PGCET and AP-ICET for PG as per Government norms.
- Faculty–student ratio is maintained as per AICTE, New Delhi.
- Faculty prepares the teaching schedules as per academic calendar. The faculty maintains a course file comprising copy of syllabus, course objectives, outcomes, notes, question papers with key, sample answer and assignments scripts and attainments.
- Chalk & Talk, PPTs, NPTEL Videos, Seminars, Workshops, Presentations, Quizzes, Group Discussions, Debates and ICT resources are used as the instructional tools and methods.

- The institution implements student centric learning strategies like experiential, participative and problem solving learning.
- The institution provides Wi-Fi access to all.
- All student and faculty members can avail DELNET, NDL, NPTEL video lectures, e-resources like e-journals and e-books in the library.
- Mentorships are an important aspect of the institutional teaching learning process. Every student is assigned a mentor for counseling and monitoring.
- Special focus is given on training for placement and soft skills.
- Guest lectures, field visits, internships and industrial tours are organized frequently for student learning enhancement.
- The institute has a practice of identifying different learning capabilities of the students.
 - Remedial, Make up and Revision classes are conducted for slow learners. Faculty also plans various activities like quiz, debate & seminar to improve the students' interest on the subject.
 - Advanced learners are provided with extra learning sources or coaching/training for GATE, competitive examinations and other training sessions on advanced technology.
- Financial assistance is provided to faculty who upgrade their qualifications and attends workshops, seminars, conferences and publishes papers in recognized journals.
- Transparent mechanism is adopted for conducting examinations and evaluation process. Internal evaluation is done as per the guidelines of JNTUK. The internal evaluation marks weightage is subjective to the university prescribed regulations.
- Results of students are available on the institution website which can be accessed by students from anywhere.

Research, Innovations and Extension

SRKIT Intellectual Property Rights Cell (IPRC) is a platform for inspiring the filing of Intellectual Property and patenting the products/technologies for the advantage of the institute and the society. The IPRC of the institute was established on 24th June, 2014.

SRKIT recognized the importance of research and development and established the R&D cell on 13th February 2017 to focus on the scientific and industrial research in the various disciplines. The cell provides technical requirement and equipment in the campus to bridge the gap between industry and academia.

SRKIT constituted the Industry Institute Interaction Cell in January 2018 to improve institute industry interaction and provide a platform for faculty and students to gain real time experience in advanced technologies.

The institution has Research Committee comprising of senior faculty members involved in research. During the last five years, the college has organized seminars, workshops and Faculty development programmes. Almost all teaching staff have undertaken orientation and refresher courses. Many faculty members are regularly taking part in seminars and workshop and publishing research papers in reviewed journals and also published text books.

In order to promote research activities, the institution has an extensive and well stocked library. The library subscribes research journals, periodicals and e-journals to cater for research in multi disciplinary and

interdisciplinary areas. Application soft wares and databases are also available in the library. Library facilities are optimally utilized by the faculty for their research.

Forty three extension and outreach programmes were conducted in collaboration with industry, community and Non- Government Organizations through NSS during the last five years. Approximately, 3,535 students participating in extension activities conducted in collaboration with industry, community and Non-Government Organizations such as Swachh Bharat, Gender issue and other social issues during last five years.

The institution has fifty 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.

Infrastructure and Learning Resources

- The institution has adequate facilities as per the norms of AICTE and JNTUK, Kakinada, for teaching learning - classrooms, tutorial rooms, laboratories, seminar halls, library, computing equipment.
- The institution allocates adequate budget for providing and maintaining infrastructure, laboratories with learning resources like ICT enabled class rooms.
- Infrastructure with state of art laboratories, workshops, standby 125 KVA generator, hostel facilities for 360 students, staff quarters and guest rooms are some of the infrastructural facility available on campus.
- The institution possesses domain centric laboratories as prescribed by the university.
- The institute has well furnished central library. It maintains all the books and journals as per AICTE norms. Teachers and students can have digital access of all resources. It also has reprographic facility.
- The institute provides facilities such as gymnasium, open playgrounds for outdoor games, and the guidance from qualified Physical Director. Students are encouraged to participate in college level, inter collegiate, inter university, state and national level competitions.
- Departments organize technical and non-technical events as part of Association Activities to build competency among students.
- The institute provides adequate ICT facilities and student computer ratio as per the norms for effective teaching and learning process. 840 systems are connected in LAN with internet facility.
- The entire campus including departments, staff rooms, library and offices is Wi-Fi enabled with 500Mbps speed. Online tests and classes are conducted for students to enhance their skills in CRT classes.
- Course content of NPTEL (National Program on Technology Enhanced Learning) an initiative by IIT and IISc and promoted by AICTE is available.
- A maintenance team supervised by the Administrative Officer who monitors the maintenance of classrooms, library, laboratories and playgrounds.
- RO mineral water plant with 1000 liters storage capacity is also made available to meet the requirements of entire campus.
- Effectively planned procedures are executed for maintenance and utilization of infrastructures pertaining to academic, co-curricular, extra-curricular activities and other basic amenities.

Student Support and Progression

SRK Institute of Technology shows utmost concern for the overall student development and progression as students are major stakeholders. The institution extends support to make students' stay in the campus fruitful,

to enrich their learning experience in campus and to pave the pathway to match their goals and motivations.

Students are given three weeks Induction programme when they enter the college. This programme comprises of modules like awareness on university regulations regarding minimum attendance and credits, campus rules and regulations, best practices , anti ragging, anti drug, health and yoga, career opportunities, different job roles and skills required and special training and certification programmes available in the college.

Many support services are extended to the students. These services include guidance on government and non government scholarships, SRK Foundation scholarships, bridge courses, soft skills, life skills, yoga and ICT programs, tutorial, makeup classes and basic foundational skill programs for slow learners and advanced skill based certification programs for fast learners.

In the second year, the students are given training on ICT tools, an overview of online courses like MOOCS, SWAYAM and NPTEL courses and their benefits, various add-on and certification programs in the department. They get an opportunity of becoming members of various professional bodies like CSI, IETE, ISTE etc.

The Training and Placement cell coordinates and conducts various orientation programs for overseas education as well as career guidance, training programs and placements. The T&P cell offeres training for getting admission into higher education programs, competitive examinations for pre final and final year students.

The institution conducts various literary, extracurricular, games and sports activities as part of various national day celebrations, college annual day and techno cultural fests. The students take leading role not only in participation but also in organizing these events. The departmental associations take active role in conducting various activities regularly within the department.

Alumni plays key role in motivating the students, giving awareness on industry trends and practices and how additional training programs in the campus can be tuned to meet the industry needs.

Governance, Leadership and Management

The vision of the college is to achieve excellence in technical education and to achieve this; the mission of the institute is well articulated. The departments, in turn, have formulated their vision and mission in accordance with that of the institution. Through involvement of stakeholders, an environment of quality learning is facilitated conforming to values, vision and mission of the institute. The academic policies, rules and regulations for different programmes offered by the institute are framed under the strong leadership of the Principal.

The institute believes in the practices of decentralization and participative management which promote its vision and mission. The decentralized structure set up at the institute provides opportunity for leadership, building the organizational culture and for growth of organization. The decentralization reflects in various functional bodies like Management, Governing Body, Principal, College Academic Committee, IQAC, NSS committee etc.. IQAC, Management and Governing Body frame strategic policies and quality initiatives to be adopted. Top management provides the necessary leadership, financial and administrative support to realize the policies.

As a commitment to quality, SRKIT has obtained ISO 9001:2015 certification and has adopted the philosophy of Outcome based Education (OBE) in the teaching learning process.

Institutional Values and Best Practices

SRKIT is an institution that believes and promotes gender equity. The institution has a strong contingent of women as faculty and students. Girls comprise nearly 43 percent of student strength. Forty percent of total faculty is women. Utmost care is taken to treat all the students equally without any bias. The institution is also working towards building a strong inclusive society. Many gender equity promotional programmes are conducted.

The institution recognizes the importance of environmental consciousness and sustainability. Solar heaters and lights are installed. The institution uses LED bulbs for energy conservation. The students have done a project on sensor based energy saving device under the guidance of the faculty. Broken furniture is recycled. The institution has MoUs for solid, bio and e waste management. The institution has sufficient number of bore wells, tank and bund. It also has open well recharge and roof water collection. Food composting has been initiated to instil among students a commitment to not only reduce food waste, but also internalize the core belief that waste can prudently be put back into nature's cycle.

Many green initiatives are taken up like restricted entry of vehicles, encouraging use of bicycles, landscaping with trees. The institution has provisions for ramps, lifts for easy accessibility to class rooms for physically challenged students. Every year, student volunteers as scribes are identified.

The institution takes care to promote inclusive environment. Various cultural events are organized to promote tolerance, harmony towards cultural, linguistic, regional, communal, socio economic diversities. Students are also given awareness programmes on Code of Conduct. The Code of Conduct is displayed in the website for everybody's reference. The institution celebrates national and international commemorative days like Teachers' Day, Engineers' Day, Ekta Diwas and many more.

In short, the institution is aware of its role in molding the students as a community whose behavior and willingness to adopt environmentally sound policies will become a dominant force for sustainable environment especially in urban area. It also understands its responsibility to promote an inclusive society and celebrate human diversities and differences in all forms.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SRK INSTITUTE OF TECHNOLOGY
Address	D.NO 3-44 NH-5, ENIKEPADU, VIJAYAWADA, KRISHNA DIST ANDHRA PRADESH PIN - 521108
City	VIJAYAWADA
State	Andhra Pradesh
Pin	521108
Website	www.srkit.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	M Ekambaram Naidu	0866-2843839	9966469555	0866-2843536	srktech@gmail.com
IQAC / CIQA coordinator	Sajja Sri Gowri	091-9866214098	7093322366	091-9966469555	srkecehod@gmail.com

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
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Date of establishment of the college	30-08-2007			
University to which the college is affiliated/ or which governs the college (if it is a constituent college)				
State	University name		Document	
Andhra Pradesh	Jawaharlal Nehru Technological University,Kakinada		View Document	
Details of UGC recognition				
Under Section	Date		View Document	
2f of UGC				
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	

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	D.NO 3-44 NH-5, ENIKEPADU, VIJAYAWADA, KRISHNA DIST ANDHRA PRADESH PIN - 521108	Rural	6.5749	27829

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	BTech,Civil Engineering	48	Intermediate	English	60	18
UG	BTech,Electrical And Electronics Engineering	48	Intermediate	English	60	17
UG	BTech,Mechanical Engineering	48	Intermediate	English	60	6
UG	BTech,Electronics And Communication Engineering	48	Intermediate	English	120	112
UG	BTech,Computer Science And Engineering	48	Intermediate	English	120	120
UG	BTech,Information Technology	48	Intermediate	English	60	60
UG	BTech,Cse Artificial Intelligence And	48	Intermediate	English	60	60

	Machine Learning					
UG	BTech,Cse Data Science	48	Intermediate	English	60	60
PG	MBA,Master Business Ad ministration	24	Degree	English	60	41
PG	MCA,Master Of Computer Applications	24	Degree	English	60	49
PG	Integrated(P G),Integrated Mba	60	Intermediate	English	60	59
PG	Mtech,M Tech Ece	24	Degree	English	9	0
PG	Mtech,M Tech Cse	24	Degree	English	18	1

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	10				8				145			
Recruited	6	4	0	10	4	4	0	8	86	57	0	143
Yet to Recruit	0				0				2			

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				87
Recruited	34	51	0	85
Yet to Recruit				2

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				17
Recruited	13	4	0	17
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	6	4	0	4	4	0	0	0	0	18
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	86	57	0	143

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

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

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
		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
PG	Male	75	0	0	0	75
	Female	75	0	0	0	75
	Others	0	0	0	0	0
UG	Male	254	0	0	0	254
	Female	266	0	0	0	266
	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	47	50	64	56
	Female	28	29	15	16
	Others	0	0	0	0
ST	Male	3	4	2	5
	Female	2	1	1	0
	Others	0	0	0	0
OBC	Male	124	174	187	191
	Female	121	122	97	56
	Others	0	0	0	0
General	Male	123	162	164	169
	Female	159	109	116	112
	Others	0	0	0	0
Others	Male	0	2	0	1
	Female	0	0	0	0
	Others	0	0	0	0
Total		607	653	646	606

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
724	733	704	661	637
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
11	11	11	11	11

2 Students

2.1

Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
2160	2212	2229	2230	2276
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
464	464	464	464	464

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
610	638	611	593	649

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
137	138	141	137	139

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
147	145	156	153	154

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 54

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
674.52	766.2	786.57	1328.74	1079.46

4.3

Number of Computers

Response: 840

NAAC

4. Quality Indicator Framework(QIF)

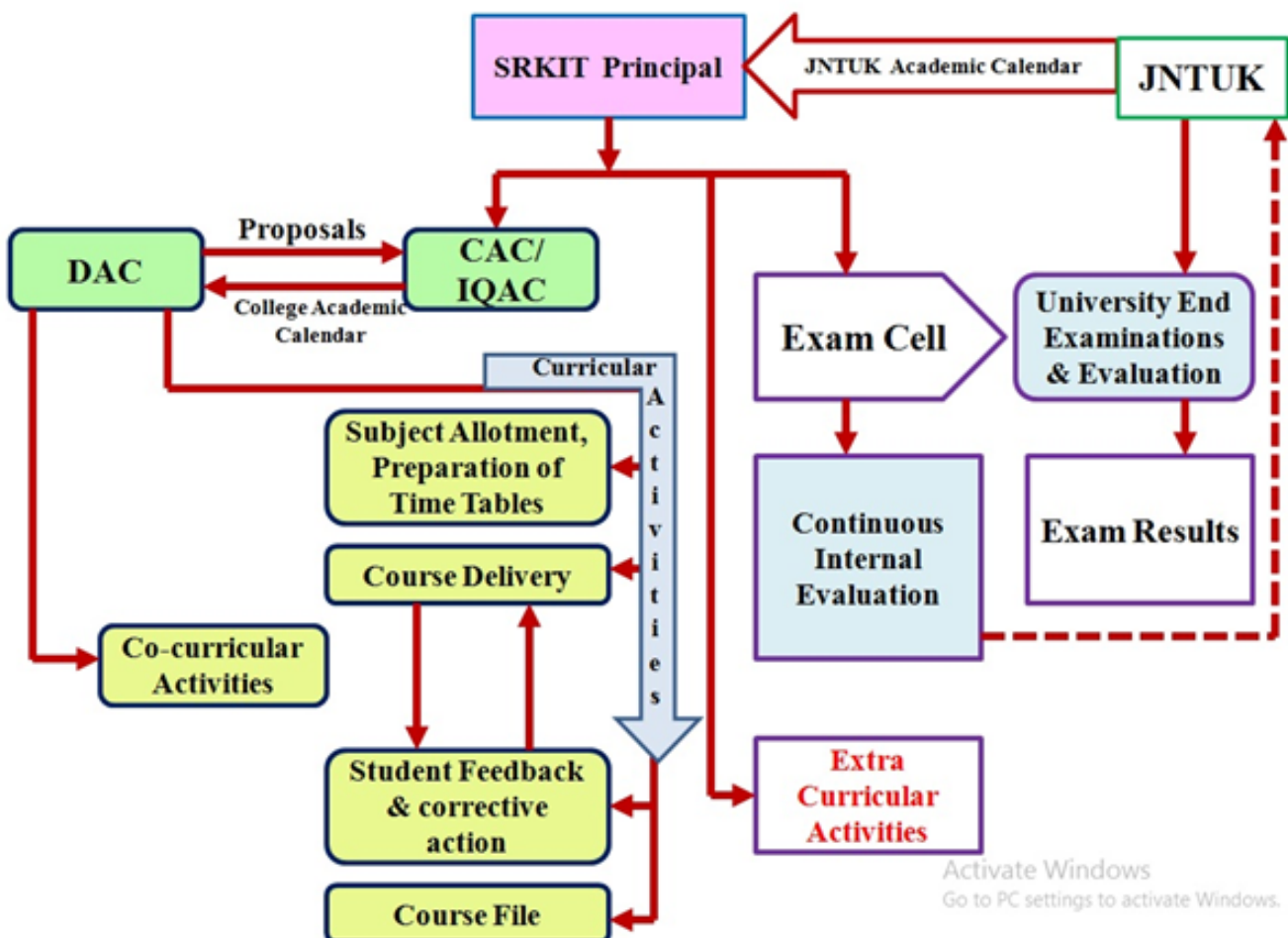
Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

SRK Institute of Technology (SRKIT) approved by AICTE and affiliated to Jawaharlal Nehru Technological University, Kakinada, follows the curriculum prescribed by the university. This curriculum is revised periodically by the university Board of Studies. The university publishes the academic calendar for both the semesters. Academic calendar provides details regarding date of commencement of academic session, duration of semester, period of internal assessments and semester end examinations in an academic year.



The Internal Quality Assurance Cell (IQAC) takes the responsibility of monitoring the effective delivery of the curriculum through a well planned and documented process. It provides on suggestions to the College Academic Committee (CAC).

The CAC is constituted every year comprising of all the heads of departments as its members led by the Principal. Based on the academic calendar of the university, the CAC prepares the college academic calendar and circulates to the departments. The CAC also invites proposals from the Departmental Academic Committee (DAC) for various skill development courses schedule along with the curriculum for the benefit of the students to sustain in this competitive world.

The DAC is formed every year with all the professors and senior faculty as its members and is chaired by respective heads of the departments. The DAC prepares the departmental academic calendar, timetables by taking inputs from the IQAC and CAC. The allotment of the courses to the faculty is based on their experience and specialization. The DAC also sends its proposals for skill development to the CAC for approval.

After course allotment, faculty must prepare and document a detailed teaching plan and notes. The preparation of teaching plan helps in effective coverage of syllabus in time. The teaching plan and syllabus copies are made available in the college website.

Apart from traditional methods, curriculum is imparted through innovative teaching methods such as presentations, group discussions, quiz, seminars, industrial visits and projects. The institution is ICT enabled for making the teaching learning process joyful.

Two internal tests are conducted in a semester. Transparency is maintained in the evaluation process. The make up classes are conducted for students who find certain topics in the course challenging. The tutorial classes are held to help the students in problem solving.

The institution follows the mentoring system to enhance the academic performance of students. A faculty is allocated as mentor for a group of every twenty students. The holistic performance of the student is continually monitored and guided.

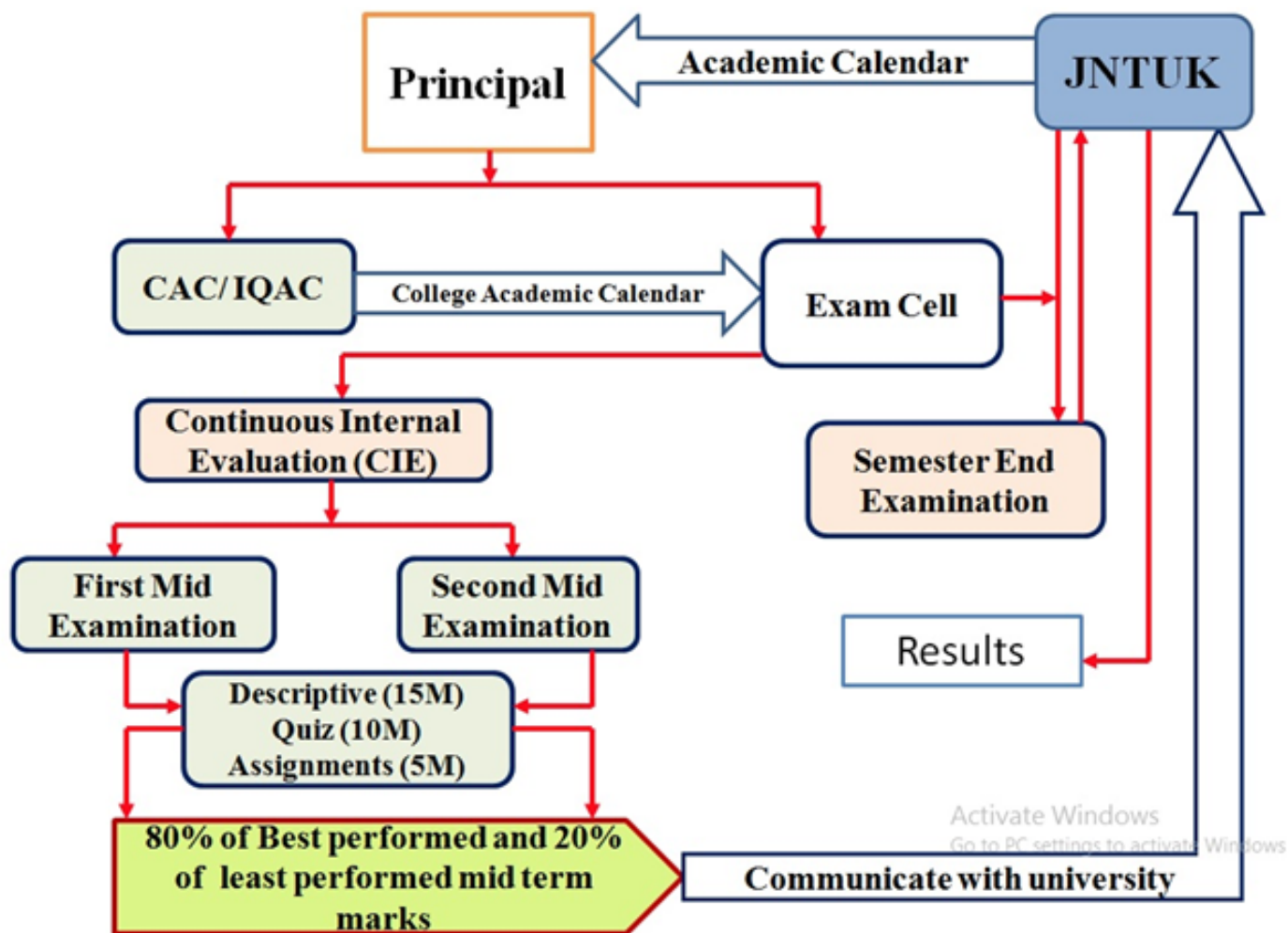
Teaching learning cell is established for effective implementation of the curriculum through enhancing the quality of classroom teaching. The cell creates awareness among the faculty about the evolving trends of pedagogy and outcome based education by conducting various workshops and faculty development programs in the institution.

The CAC interacts with the industry professionals and identifies the technical and other skills needed by the industries and thereby train the students in the required skill sets.

File Description	Document
Upload Additional information	View Document

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

Response:



SRKIT receives programme and semester wise academic calendar from JNTUK, Kakinada, as it is affiliated to it. The university academic calendar focuses on the date of commencement of the class work, number of instructional weeks per mid-term syllabus including mid-term examination schedule and semester end examinations schedule.

The College Academic Committee (CAC) prepares a comprehensive college level academic calendar based on the academic calendar received from the university. The college academic calendar includes schedules for classroom instruction, examinations, public holidays, training and placement, add-on/certification courses and any other extension activities.

The faculty strictly adhere to the academic calendar while preparing their teaching plans. The faculty meticulously records the day wise realization in the teaching plan as well as in the almanac. The Internal Quality Assurance Cell (IQAC) and the Department Academic Committee (DAC) regularly monitor whether adherence to the teaching plan as per the academic calendar is being followed or not.

The institution strictly adheres to the academic calendar given by the university for the conduction of Continuous Internal Evaluation (CIE). The timetable of the internal examinations is displayed in advance. In case of any last minute deviations in the given schedule by the university, due to unforeseen circumstances, the institution adopts the revised schedule. The internal examination related activities like the evaluation of the answer scripts, posting of marks in the portal and display of marks in the notice board for students is undertaken in a systematic and time bound way, strictly adhering to the university academic

calendar.

File Description	Document
Upload Additional information	View Document

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: A. All of the above

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

1.2 Academic Flexibility

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

Response: 90.91

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

Response: 10

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

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

Response: 97

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
35	23	19	10	10

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: 57.45

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
2282	1763	1254	486	543

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:

SRKIT believes in promoting an inclusive value based educational community. Many courses that address the cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability are integrated in the curriculum.

Professional Ethics and Human Values:

“To educate a man in mind and not in morals is to educate a menace to the society.” - says Theodore Roosevelt.

The objective of any educational programme is to produce successful professionals who can address the societal issues with innovative and improved solutions. However, the ingeniousness of engineers must be coupled with professional ethics and values in the use of technology.

Imparting technical education alone doesn't ensure holistic personality. Hence, considering the importance of professional ethics and human values, JNTUK, Kakinada offers **Professional Ethics & Human Values** course in the curriculum. As per the recent guidelines of AICTE, **Universal Human Values (UHV)** is offered as a part of the Student Induction Programme (SIP).

SRKIT is offering these courses in all programmes.

- PE & HV course encompasses the personal and corporate standards of behavior expected by professionals.
- The course focuses on making proper judgments, applying their skills and taking informed decisions in any situations in their professional and personal lives.
- The course influences the students' thought processes in a positive way to cater to the needs of the community.
- UHV has been introduced to build a strong connect between students and the faculty on one hand and create holistic awareness about Universal Human Values on the other hand. It is also meant to channelize the unbridled energy of the youth into positive energy through various activities like art, sports and games.

Gender:

Equal opportunities are given to both girls and boys to participate in various academic, co-curricular and extra curricular activities and training programs. Gender sensitive issues are addressed directly by conducting various seminars to the students. Women empowerment cell is established in SRKIT with an objective of empowering the girls to handle challenges confidently. Events like Women's Day celebrations, Women Rock IT, National Women's Parliament, Indian Women Network (IWN) of the Confederation of Indian Industry (CII) Education Summit and many more such events help the girl students to identify their potential in leadership and entrepreneurship.

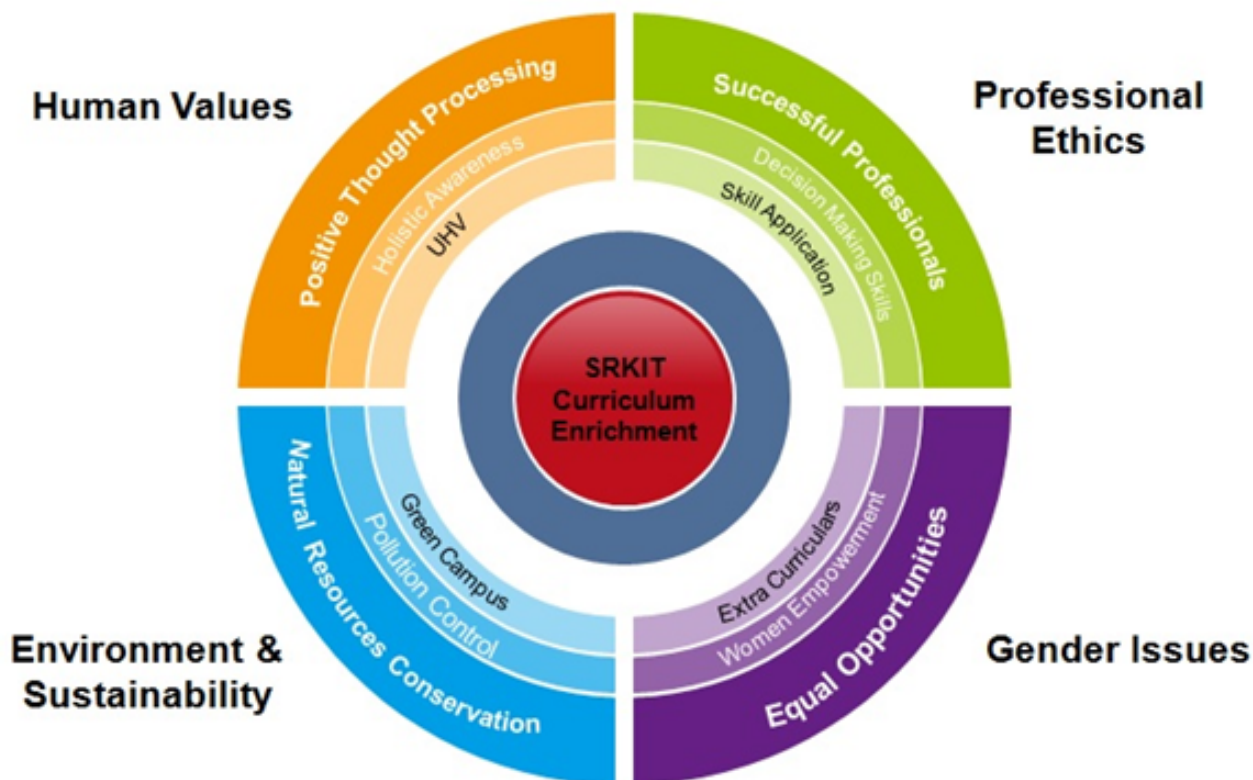
Environment and sustainability:

The course **Environment Studies** in engineering programmes provide various aspects of sustainability and environmental studies. Environment plays an important role in healthy living of human beings. Through this course, the students learn about

- The importance of natural resources and conservation in a proper way.
- Rural and urban environmental issues and assessment.
- Various attributes of pollution and its control.
- Self-sustaining green campus with regard to energy, water and waste management, plantation and

rainwater harvesting.

The institute encourages the students to participate in programs like Swachh Bharat, Vanam Manam, Jal Shakti etc. for better involvement.



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: 61.26

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
474	475	442	344	390

File Description	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
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document

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

Response: 59.17

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

Response: 1278

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: A. All of the above

File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (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

NAAC

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 77.59

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

2019-20	2018-19	2017-18	2016-17	2015-16
607	653	646	606	677

2.1.1.2 Number of sanctioned seats year wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
822	822	822	822	822

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: 75.95

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
325	380	366	324	367

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 main objective of any education system is providing quality education for all learners in order to empower them to recognize their true potential and thereby meaningfully contribute and participate in societal activities. Domain knowledge with insights into the learning process can help the teachers to create active classrooms. The teachers need to shift from the teacher centric classrooms to student centric classrooms added with appropriate assessment which is the essence of outcome-based education. Mentors identify the different learning levels on 5- point scale by filling the questionnaire and accordingly customize their teaching strategies.

Slow Learners: Slow learners can be identified on the following performance aspects of the students:

1. Performance in the Intermediate examination and rank obtained in the qualifying examination.
2. Performance in the orientation and induction programs conducted in the first year.
3. Low educational attainments.
4. Unable to keep pace with the class in the course.
5. Difficulty to cope with multiple tasks.
6. Very low attention span.
7. Poor English language skills.

Some measures that can be practiced and implemented by faculty to boost the morale of the slow learners are as stated below:

1. Appreciating and rewarding the students for every small step they take towards improvement.
2. Setting short assignments regularly.
3. Raising their confidence through peer learning.
4. Motivating through real time examples.
5. Playway methods of learning
6. Using Visual, Logical/Mathematical aids..
7. Conducting make up classes
8. Conducting remedial classes.
9. Motivating them with practical and real time application demonstrations to grab their interest to learn the concepts.
10. Pair them with the advanced learners in group activities.
11. Assigning the tasks like preparation of inspirational and famous personalities' biographical videos.

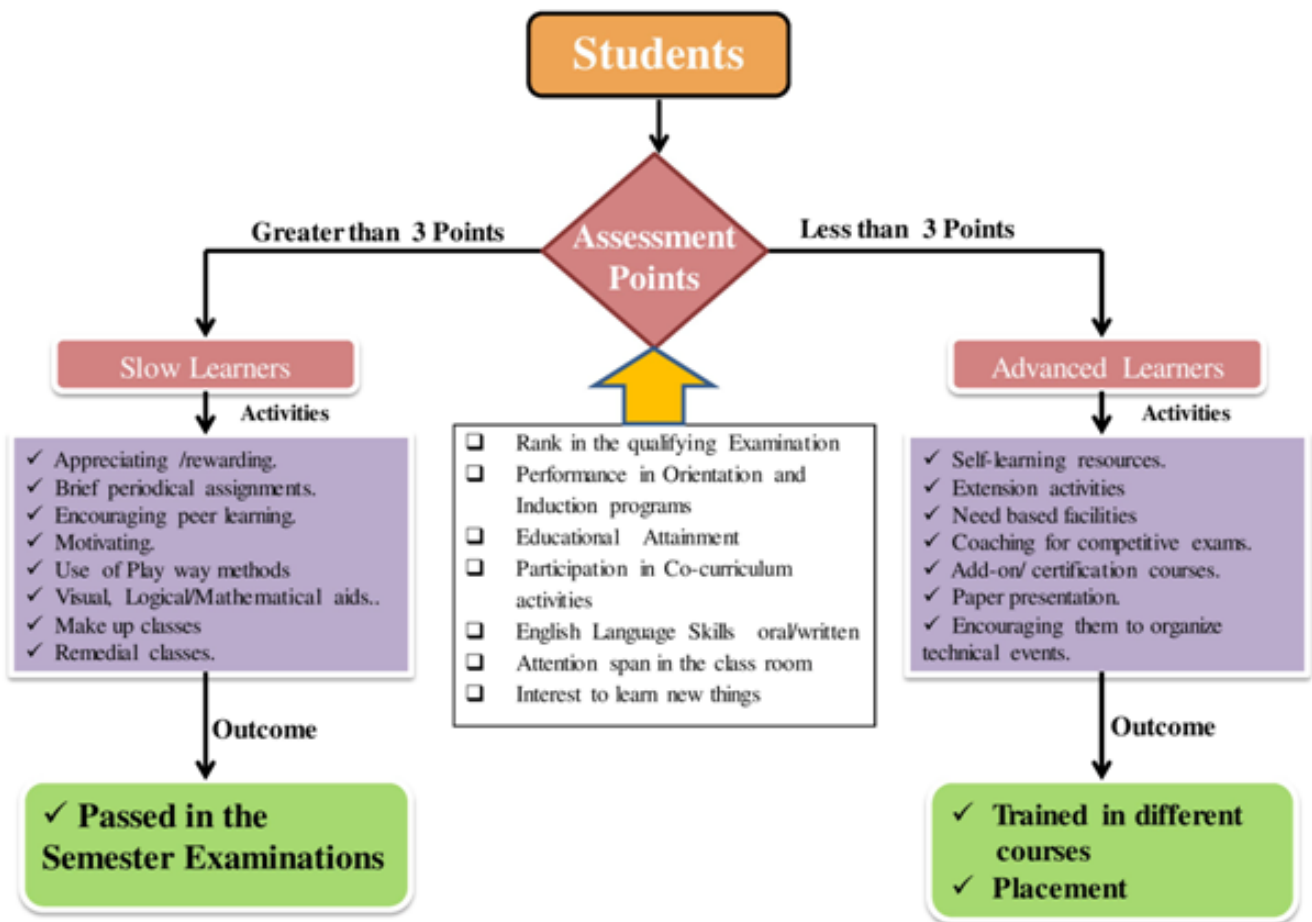
Advanced Learners: Advanced learners can be identified on the following performance aspects of the students:

1. Performance in Intermediate examination and rank obtained in the qualifying examination.
2. Performance in the orientation and induction programs conducted in the first year.
3. Students who are ahead in the learning curve.

4. Students who have better educational attainments.

Some special programmes implemented for further enhancement of academic performance and holistic development:

1. Providing self-learning resources.
2. Encouraging them to participate in extension activities like Ideathon, Hackathon, Bootcamps etc.
3. Providing need based facilities for real time projects.
4. Providing coaching for competitive exams.
5. Facilitating add-on certification courses to meet industrial requirements.
6. Guiding in technical paper presentations at national and international level.
7. Encouraging them to organize technical events.
8. Giving assignments based on design and model making.
9. Providing an interface with various reputed academic institutions and industries to explore their talents.



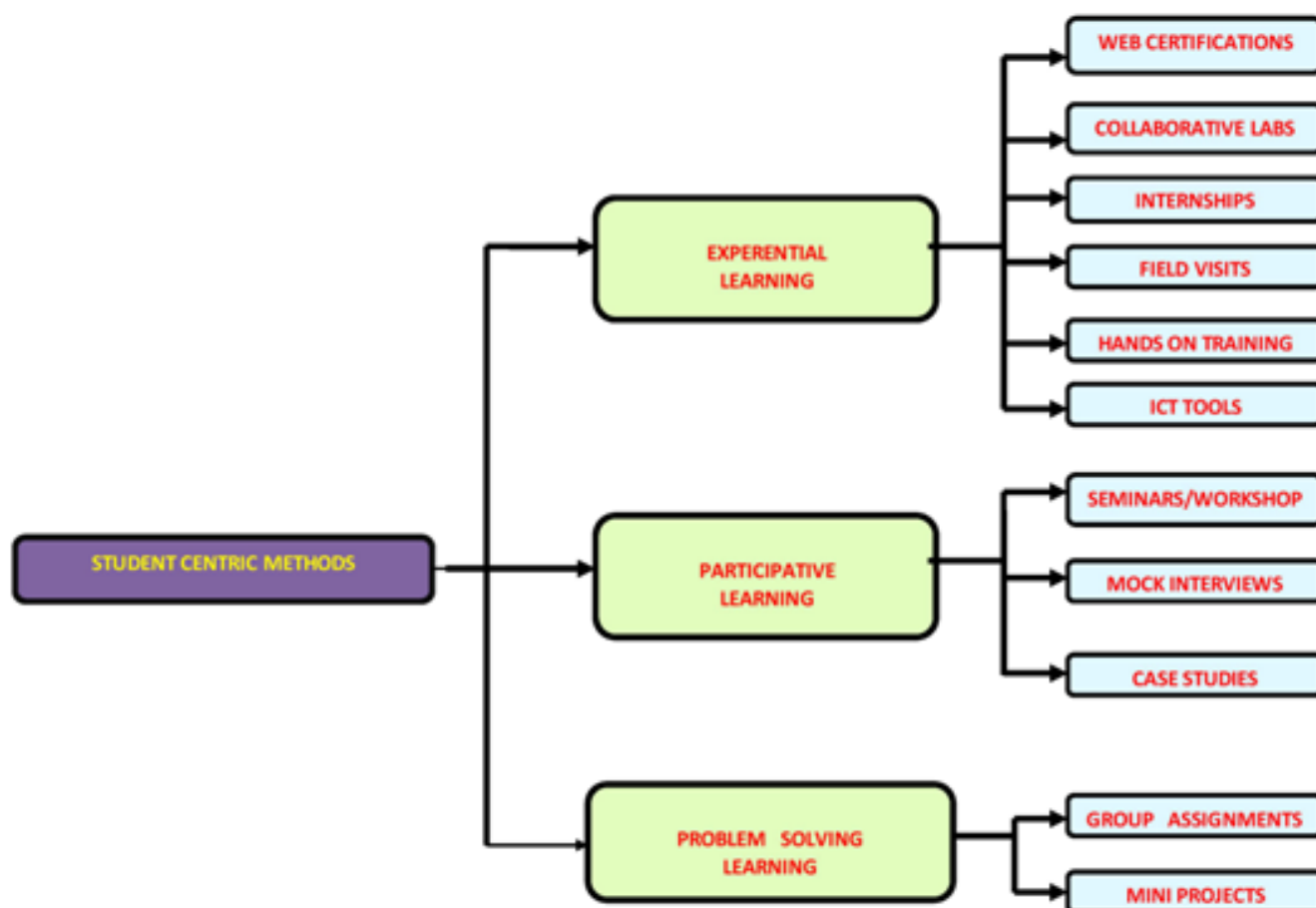
File Description	Document
Upload any additional information	View Document

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)**Response:** 16:1

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:**

SRKIT implements student centric methods, such as experiential learning, participative learning and problem solving methodologies for enhancing learning experiences. In a student-centered teaching model, teachers and students play an equally active role in the learning process.

**1. EXPERIENTIAL LEARNING:**

It implies learning from experience. It is an immersive, participant focused active learning that engages learners of various backgrounds and experience levels. The institution offers students multiple opportunities for hands-on learning.

Technological Integrated Tools: It may assist faculty to offer quality e-content in a classroom in a structured, flexible, interactive, blended and open way. Students are encouraged to enroll in online courses like NPTEL Swayam, online courses like Coursera, Udemy. Google Classroom, Microsoft Teams are used for delivering the classes online. TedEd Tools are used for creating online quiz. Faculty sometimes gives poll using Poll Maker tool.

Online Certifications: Students can pursue any number of online courses at their own pace.

Internships: Students gain experience, learn new skills, add value and earn real experience for their career prospects. It allows them to have network with professionals and gain hands on experience.

Institutional training: The students undertake the institutional training program conducted in collaboration with industries. The main objective is to give optimum exposure to the practical side of the Industry.

Participation in industry promoted competitions: Students are encouraged to participate in various industries driven competitions and showcase their creative ideation and talent.

Industry visits: Students visit companies and get insight into the internal working environment of the company. It also sensitizes students to the practical challenges that organization face in the business world.

2. PARTICIPATIVE LEARNING: It is a practice where teachers and students co-create a trusting and innovative learning environment, and make use of a variety of teaching methods, roles and relationships based on the needs of the learner and the desired outcomes.

Debates and Group discussion: Encouraging students through debate and discussion to create their own understanding of the content and connect it to their experiences.

Seminars: Students learn better while preparing for seminar.

Mock interviews: This is commonly adopted in English and Management classes.

Model Development: The process of creating and evaluating models may help learners develop and reinforce connections between seemingly disparate ideas for better learning.

3. PROBLEM SOLVING LEARNING:

It is a teaching method in which complex real-world problems promote student learning of the concepts and principles. It can promote the development of critical thinking, problem-solving abilities, and communication skills. It can also provide opportunities for working in groups, get oriented towards research and life-long learning.

Assignments and quizzes: Assignments and quizzes are conducted at the end of instruction of each unit.

Case Study Analysis and Discussion: The open ended problems are presented in form of case studies. It helps students feel connected to life.

Think Pair Share: It is a collaborative strategy commonly implemented in classrooms.

File Description	Document
Upload any additional information	View Document

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

Response:

“We need technology in every classroom and in every student and teacher’s hand, because it is the pen and paper of our time, and it is the lens through which we experience much of our world.” – David Warlick

Fast advancing computer technologies have changed the ways people live, work, play, and learn. One of the essential life skill in current times is digital literacy. It is imperative for teachers to adopt the latest ICT technologies for teaching. Therefore, ICT enabled technologies has become an important consideration for curriculum framework.

SRKIT also has adopted ICT-enabled teaching methods in addition to conventional classroom teaching. The faculty use ICT-enabled learning tools such as PPT, Video clippings, Audio systems, online sources, to impart advanced technologies and practical knowledge. The faculty use multimedia teaching aids like LCD projectors, internet-enabled computer/laptop systems in selected rooms. Microsoft campus license enables the faculty and students to use Office 365 for preparation of e-content enabled with animations and simulations for effective teaching-learning process.

The faculty use electronic resources from platforms like DELNET, NPTEL, SWAYAM, COURSERA, spoken tutorial and the Digital Library for updating themselves with the state of the art technologies. MS Teams and Google classrooms are also used as online classrooms. These platforms facilitate sharing the learning materials, their resources, quizzes and assignments with the students. This also helps in continual and easy assessment of the students’ learning progress. Moodle, an online learning platform also augments traditional classroom.

A sufficient number of e-journals and e-books available in the digital library can be accessed by the faculty and students on intranet. The seminar halls are facilitated with multimedia, high internet bandwidth and Wi-Fi for conducting guest lectures and seminars. Virtual labs are also used to conduct labs through simulations.

In the recent pandemic situation, the education sector is one of the affected fields. But ICT tools enabled teachers to continue the academic activities. The faculty make use of digital platforms like TED-Ed video libraries that enable them to make short video lessons which can be shared with students. While in an online class, faculty sometimes post a poll to test the attention of the student by using Poll Maker tool.

The faculty use Mind mapping tools like Free mind, XMind etc. for effective visualization and retention of the topics. The faculty use various online tools like White Board in MS Teams, JAM Boards in Google meet for delivering numerical and problem solving courses. The faculty use presentation and video making tools like Flip grid, Prezi, Google slides, Slide share etc.

ICT enabled teaching learning process grabs the interest of the millennials who are native users of technology and improves their learning curve and make them digital literates.

File Description	Document
Upload any additional information	View Document

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

Response: 20:1

2.3.3.1 Number of mentors

Response: 108

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: 91.71

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

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: 10.13

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
22	15	14	10	9

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: 4.2

2.4.3.1 Total experience of full-time teachers

Response: 575

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:

As SRKIT is affiliated to JNTUK, Kakinada, it follows the university norms and academic regulations. The university normally revises academic regulations every three years. The regulations include internal and external assessment procedures as well as minimum attendance requirement for end semester examinations. The newly admitted students as well as parents are familiarized with continual assessment procedure in the orientation programme.

Internal assessment for theory courses is carried out through two Mid-term examinations. Each Mid-term consists of an objective, descriptive and assignment tests. The objective test is an automated online exam conducted by the university. The marks are displayed on the students' screen as soon as the test is submitted within the stipulated time.

A common question paper of three sets for descriptive test is prepared by the subject experts. One set is

chosen by the institution Officer In-Charge of Examinations just before the commencement of the examination. The evaluation by the concerned faculty and script verification by the students is done within the stipulated time.

Transparency is maintained even in the conduction and assessment of assignments. Three assignments, one from each unit, are given for one Mid-term. Average performance of three assignments is taken.

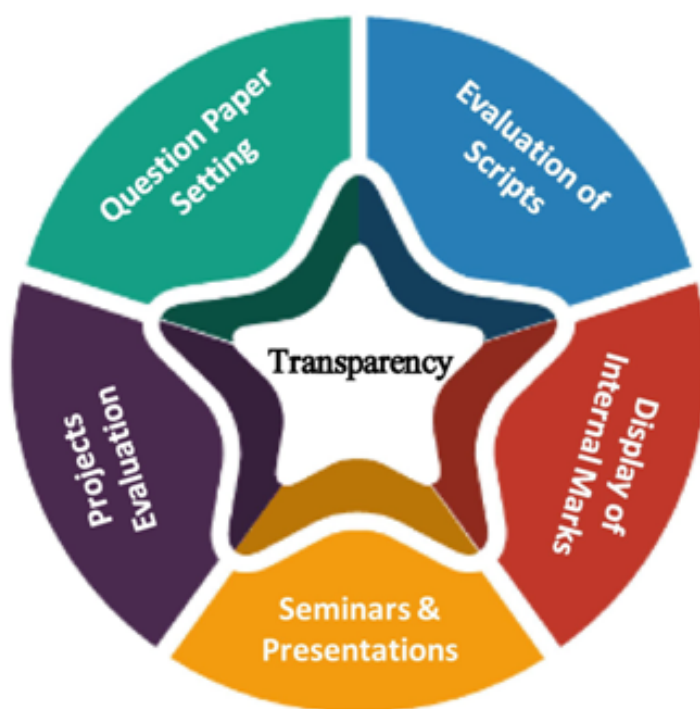
The Mid-term marks statement is displayed in the notice board before uploading to the university.

The laboratory are internally and externally assessed. Internal assessment is based on three parameters - day to day laboratory performance, internal practical examination and maintenance of record. The faculty transparently post daily performance and record marks in the laboratory attendance register on regular basis in the presence of the students. The final laboratory internal marks statement are displayed in the notice board.

Seminars and projects are also transparently assessed. The faculty evaluate the presentation skills of the students during seminars with the help of rubrics. Departmental level Project Review Committee (PRC) is constituted along with the head of the department, senior faculty and respective guides. Periodical project reviews are conducted for continual assessment of the progress made by the students. The evaluation and remarks of the review proceedings is shared with the respective batches. This practice promotes transparency as well as gives inputs to the students for their improvisation.

The Internal Quality Assurance Cell (IQAC) plays a crucial role in maintaining quality and transparency in fair conduction of examinations and continuous internal assessment. Any discrepancy or deviation is immediately brought to the notice of the Officer In-Charge of Examinations and College Academic Committee (CAC).

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:

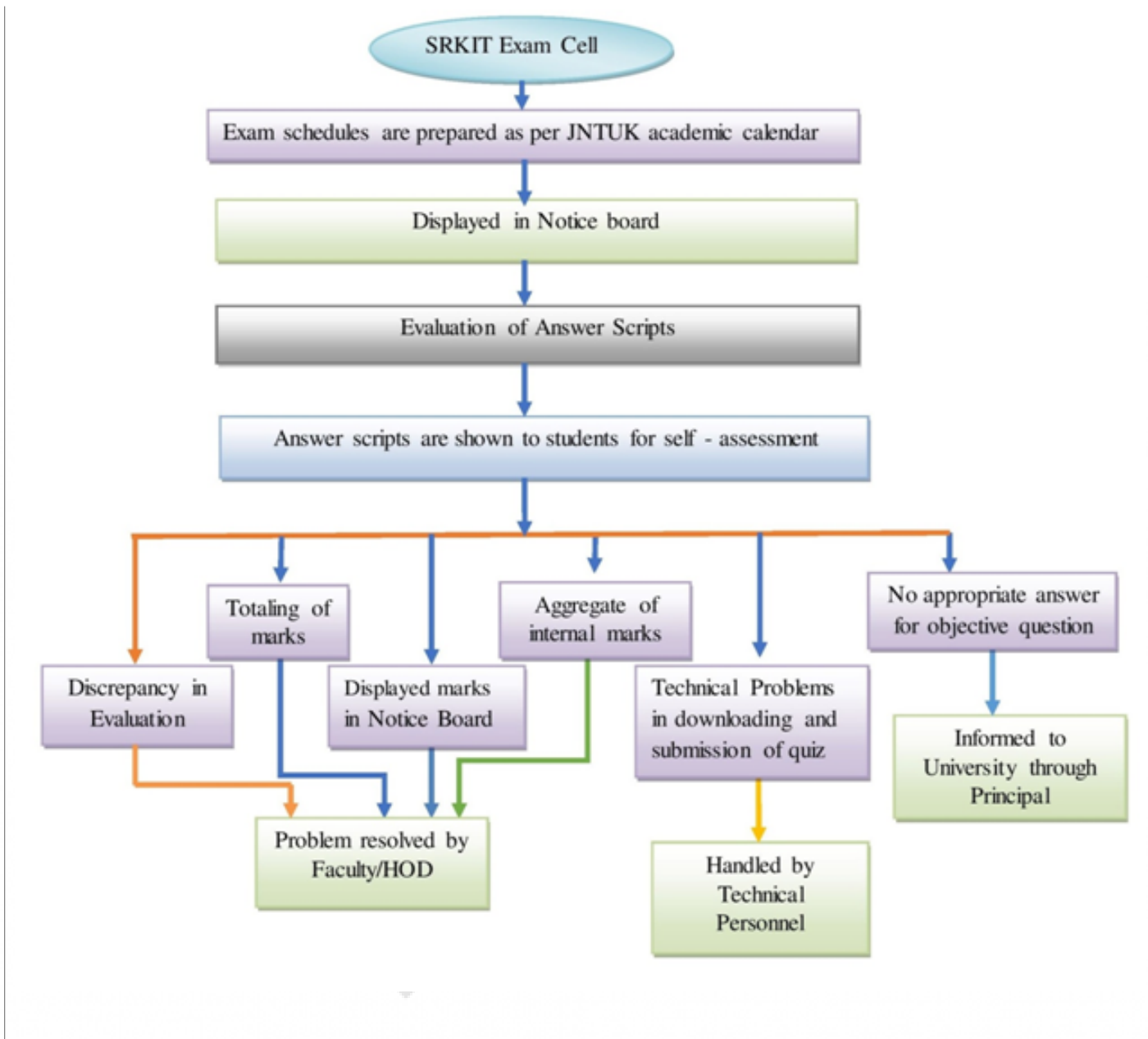
SRKIT ensures that there is complete transparency in the internal examination related grievances. The internal examination schedules are prepared as per the academic calendar and are informed to the students well in advance. The internal examination answer sheets are evaluated by course handling faculty within three days from date of the examination. The assessed internal test papers are shown to the students for self-assessment.

The general grievances expressed by the students with regard to internal examinations are:

- Dissatisfaction regarding evaluation of the descriptive answer scripts
- Discrepancy in totaling of the marks
- Wrong posting in mark sheets
- Discrepancy in totaling of aggregate internal marks
- Problems in downloading and submission of the objective question paper
- Wrong options in objective question paper

Often, some of the issues such as discrepancies in evaluation or totaling, the students bring it to the notice of the faculty that is resolved immediately. Any student who is still not satisfied with the assessment and award of marks may approach the concerned head of the department. The head of the department may intervene and seek opinion of another faculty handled the course. In case of discrepancies in the objective question paper, the student takes the screen shot and represents it to the Officer In-Charge of Examinations through the head of the department. The same is represented to the university through proper channel.

The institute follows transparent assessment system by displaying the students' performance in the respective departmental notice boards. If the student is still dissatisfied, he/she can represent his/her grievance to the Principal for necessary action.



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:

Different Programmes are offered in the institution in various departments. The institution has clear vision about learning outcomes. The programmes offered by college cater to multiple interests of the student community and also at building the human capital needed by the society and nation.

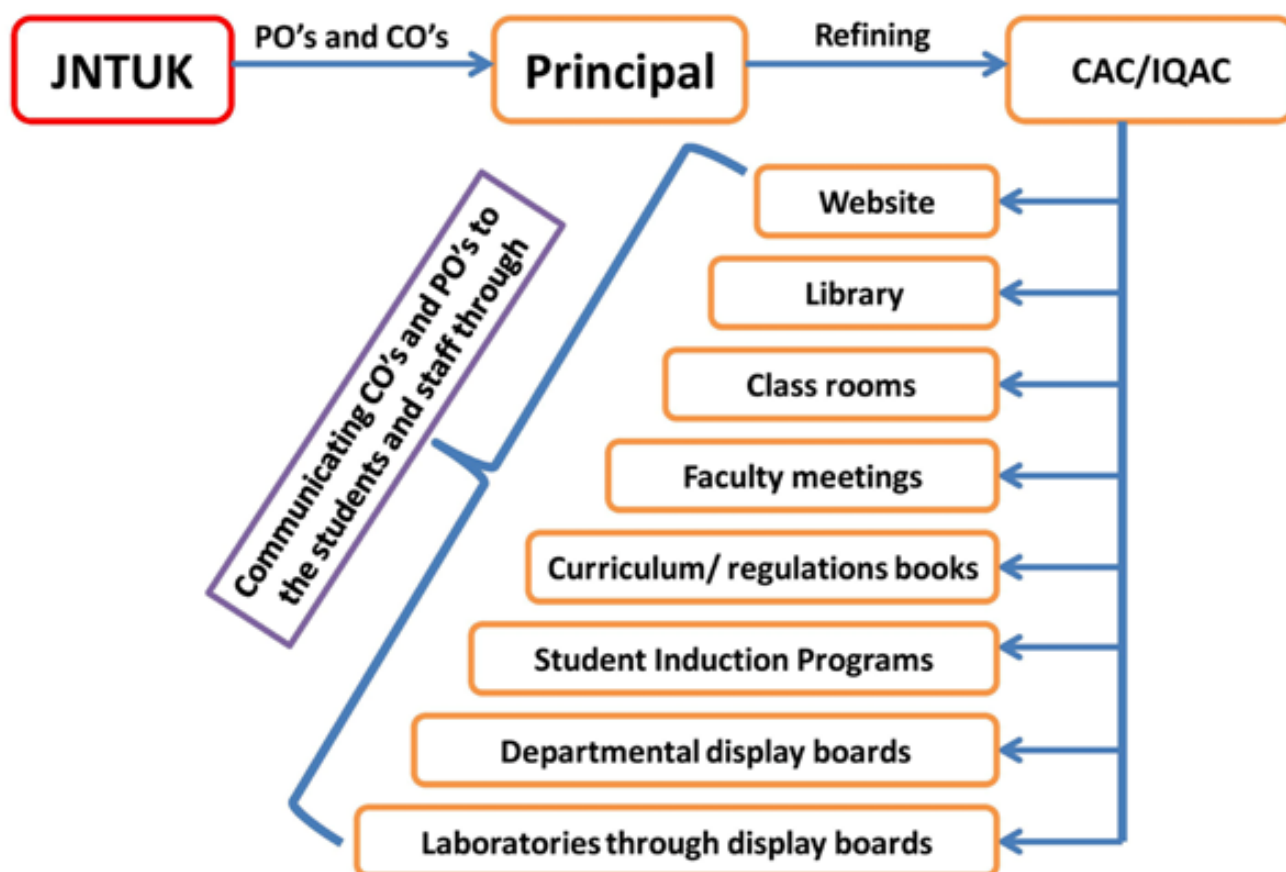
The Institution is effectively implementing the outcome based education (OBE) system by actively

involving all the stakeholders. The learning outcomes are defined in terms of Programme Outcomes (POs), Programme Educational Objectives (PEOs) and Course Outcomes (COs). The POs are the graduate attributes defined by the National Board of Accreditation, that a student is expected to possess after the completion of the programme. The PEOs describe the skill set possessed by the students at the end of the programme and are defined keeping vision and mission of the institute. The COs are statements that describe the type and level of new learning students will have achieved after completion of the course.

JNTUK usually defines COs in the curriculum. The Departmental Academic Committees (DAC) refine the COs given by the university in case required. In case the COs are not specifically mentioned by the university, then the subject experts in consultation with the faculty handling the course define the COs. All the faculty prepare course files with details of the Course Objectives, Course Outcomes, modules, reference material, teaching plan and credits at the beginning of the academic year.

The POs, PEOs and COs are disseminated to all the concerned faculty as well as students through the following means of communication:

- Website
- Curriculum/ regulations books
- Class rooms
- Departmental display boards
- Laboratories through display boards
- Student Induction Programs
- Faculty meetings
- Library



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:

Course outcomes describe what students will be able to demonstrate in terms of knowledge and values upon completion of a course. At the end of each course, the PO assessment is done from the CO attainment of all curriculum components. Each course has defined set of course outcomes and corresponding evaluation criteria. The course outcomes are mapped to the programme outcomes for the quantitative measurement of the programme outcomes attainment.

CO Attainment:

The methods of assessment are identified to measure the progress of each Course Outcome. Assessment methods include direct methods and indirect methods. The process of course outcome assessment is based on mid-term examinations and semester end examination. Each question in the mid-term is tagged to the corresponding CO. The overall attainment of that CO is based on the average obtained by all the students.

Direct assessment methods include:

- Theory Courses – Internal and End Semester exams

Indirect assessment methods include:

- Course end survey

Course Outcomes – Assessment Process

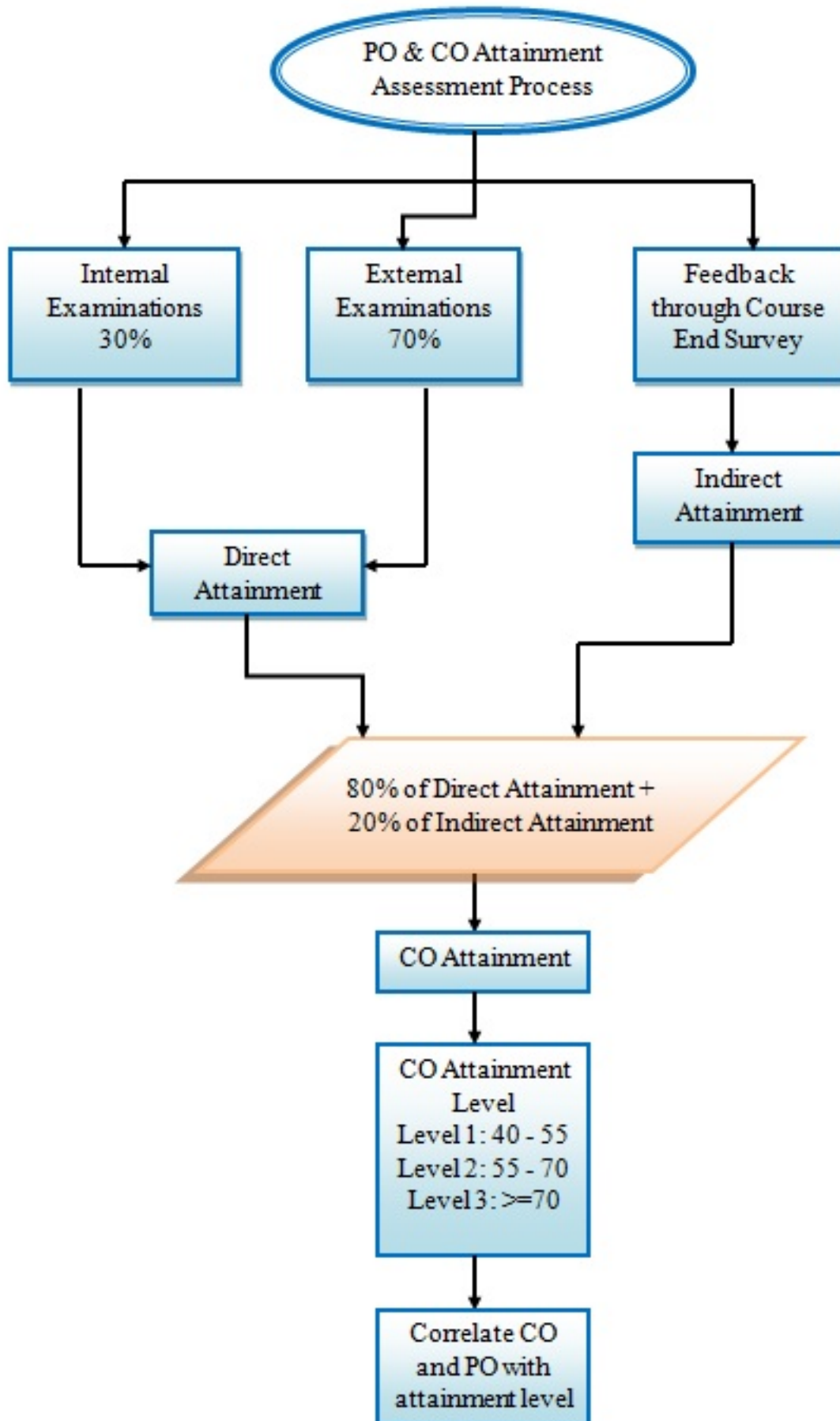
- 80% and 20% of the overall attainment of the course is taken from direct and indirect assessments respectively.
- The direct assessment weightage is shared between internal and external assessments based on the prescribed university regulations.
- The internal attainment is calculated twice in a semester.
- The attainment level of each student can be studied and it can also be checked if the entire COs are

attained or are met with the set performance goal.

- In correlation of CO-PO tables, '3' indicates strong correlation, '2' indicates moderate correlation, '1' indicates low correlation with the respective PO.
- Indirect assessment is executed through Course end survey.
- The final attainment of the COs is calculated from the average attainment obtained by all the students.

PO Attainment:

All the courses which contribute to PO are identified and these courses are evaluated through the Course Outcomes using direct assessment tools (Internal and External examinations) and indirect assessment tool (Course End Survey). After the assessment of the POs using both the direct and indirect assessment tools, the overall results from the assessments of the PO are compared with the expected attainment. If the expected attainment level is reached, the PO is considered satisfied. In case the expected level of attainment is not met, then the concerned faculty along with guidelines from the DAC would strive to take additional measures for overall improvement of the class.



File Description	Document
Upload any additional information	View Document

2.6.3 Average pass percentage of Students during last five years

Response: 81.82

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
483	524	501	507	521

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
610	638	611	593	649

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

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](#)

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

Response: 2.19

3.1.2.1 Number of teachers recognized as research guides

Response: 03

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[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 programmes

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

File Description

Document

List of research projects and funding details

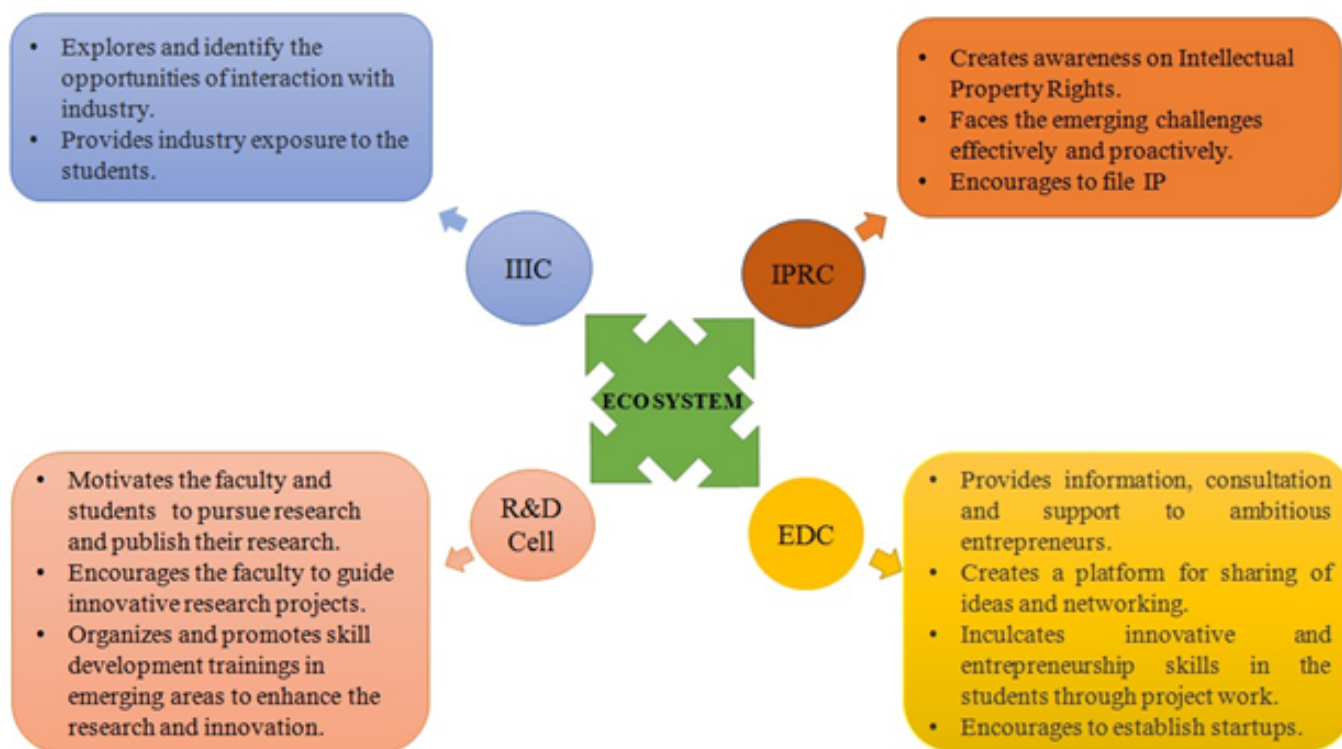
[View Document](#)

3.2 Innovation Ecosystem

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

Response:

SRKIT has constituted various cells to create an active flow of information and resources for transforming creative ideas into reality by creating an ecosystem of innovation.



IPR Cell:

SRKIT Intellectual Property Rights Cell (IPRC) is a platform for inspiring the filing of Intellectual

Property and Patenting the products/technologies for the advantage of the institute and the society. The IPRC of the institute was established on 24th June 2014. IPR is also offered as course.

Objectives:

- To create awareness on the importance of Intellectual Property Rights.
- To face the emerging challenges effectively and proactively.

The IPRC provides awareness on Intellectual Property Rights through seminars and workshops to faculty and students. IPRC also examines the legal and monetary aspects of documentation of research papers. It assists the faculty and student community in the filing of patent applications.

Entrepreneurship Development Cell

SRKIT established Entrepreneurship Development Cell (EDC) on 06th August 2014 with an aim to develop and strengthen entrepreneurial skills in the students.

Objectives:

- To provide information, consultation and support to ambitious entrepreneurs.
- To create a platform for sharing of ideas and networking.
- To inculcate innovative and entrepreneurship skills in the students through project work.

The college provides the necessary infrastructure, amenities and technical support by organizing various seminars, guest lectures and workshops to realize their innovative business ideas and establish startups/ventures.

R&D Cell:

SRKIT recognized the importance of research and development and established the R&D cell on 13th February 2017 to focus on the scientific and industrial research in the various disciplines. The cell provides technical requirement and equipment in the campus to bridge the gap between industry and academia.

Objectives:

- To motivate the faculty and students to pursue research and provide support to publish their research.
- To encourage the faculty to guide innovative research projects.
- To organize and promote skill development trainings in emerging areas to enhance the research and innovation.

SRKIT provides necessary software, hardware along with training programmes and lectures by industry experts through MoUs. The institute encourages faculty and students by giving monetary assistance, grants and special permissions to present their research work.

Institute Industry Interaction Cell (IIIC):

SRKIT constituted the IIIC in January 2018 to improve institute industry interaction and provide a

platform for faculty and students to gain real time experience in advanced technologies.

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, technology awareness programmes 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 for faculty and students to make valuable contributions to the society.

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: 24

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
03	05	06	05	05

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: 0.67

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

Response: 2

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

Response: 3

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: 2.63

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
26	53	70	114	101

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: 0.5

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
13	07	11	27	11

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:

SRKIT has constituted NSS unit with around hundred volunteers in 2010 to inculcate social responsibility and ethical values among the students. The faculty and volunteers participate in several extension activities conducted to uphold social justice, citizen involvement and accountability in the development of the neighbourhood.

Extension activities organized by SRKIT:

- SRKIT adopted a backward area of Nidamanuru a neighbouring village to conduct service activities.
- Volunteers have participated in blood donation camps organised by Lions Club.
- Digital literacy camps are organized to create awareness on digital bank transactions and effective measures for cyber security.
- Swachh Bharath Abhiyan is implemented to sensitize the villagers about health and hygiene.
- Awareness campaigns on Tree Plantation, Social Evils, Awake India Cycle Rally, Culture and heritage of Andhra Pradesh, Jal Shakti Abhiyan are conducted with active student participation.
- Medical camps are organized in the campus and volunteers have also offered their services to various NGOs.
- Students have participated in a workshop organised by Andhra Pradesh State Electricity Board addressing issues like wastage of electricity and alternate energy sources.
- Celebrating important national days like Armed Forces Flag Day, Independence Day, Republic Day, Gandhi Jayanthi, Dr BR Ambedkar Jayanthi, Rastriya Ekta Diwas, National Constitution Day, Voters Day and National Vigilance Week to inculcate patriotism in the students.
- Engineers Day and Teachers Day are celebrated to honour their contributions and services.
- Celebrating important international days like Environment Day, Plastic Bag Free Day, No Tobacco Day and Population Day to create awareness.
- Volunteers participated in Women's day, Women Safety in Cyber Space 'CYBER MITHRA', and Breast Cancer awareness walk.
- Voluntary services to Vijayawada Police Department as Pushkar Sevaks.
- International Yoga Day is organized in collaboration with Sri Avadhuta Datta Peetham, Vijayawada where NSS volunteers actively participate in various health and stress relieving activities like yoga, meditation and Art of Living.
- NSS volunteers offered their services during National Womens Parliament.

Impact of Extension Activities on neighborhood community and students:

- NSS has been increasing the student's participation in blood donation camps.
- NSS has contributed to the clean maintenance of the campus through Swachh Bharath Abhiyan.
- Volunteers have increased greenery in the campus through plantation and other green initiatives like Vanam Kosam Manam.
- The programmes on yoga and meditation helped the faculty and students in stress management.
- NSS equipped the women in the institute with awareness on safety in cyberspace, breast cancer, hygiene and health.
- Volunteers have instilled patriotic spirit in faculty and students by celebrating important national days.
- The neighborhood community benefited from SRKIT initiatives on digital transactions, Swachh Bharath Abhiyan, Mana Krishna Plastic Rahitha Krishna, Traffic awareness, green practices in vehicle maintenance.



NSS Unit was able to make a significant impact on institute and community by organizing various activities related to diverse social issues with the support of faculty and volunteers. The District Collectorate has felicitated SRKIT with a Certificate of Appreciation.

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

Response: 10

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	0	1	4	0

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

Response: 41**3.4.3.1 Number of extension and outreach 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
14	10	05	10	02

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: 41.35****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
1433	997	956	904	271

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: 207**

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
57	51	49	30	20

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: 50

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
09	11	12	10	08

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:

SRKIT, established in the year 2007, is one of the top colleges in Vijayawada. The college is situated in 6.57 acres and is affiliated to JNTUK, Kakinada. The institute offers six under graduate and five post graduate programs. SRKIT has an effective policy in place for creating and enhancing the infrastructure that facilitates effective teaching and learning. The institute has well equipped classrooms and laboratories as per the AICTE norms.

Classrooms: The college has a range of classrooms, fifty in number, admeasuring between 66 sqm 100 sqm approximately. Each room can accommodate seventy students. The e-class rooms are equipped with ceiling- mounted LCD projectors, sound system and computers to facilitate innovative learning with ICT tools.

Tutorials rooms: SRKIT has sufficient number of tutorial rooms. Tutorial classes are conducted for all analytical subjects once in a week to coach the students.

Laboratories: SRKIT has prescribed laboratories for all the programmes like B.Tech, M.Tech, MCA and MBA to enable budding engineers/managers to practically understand the fundamentals of the theory through numerous experiments.

Seminar Halls: The institute has well furnished adequately spacious seminar halls with a seating capacity of 130-220 students. The hall is well equipped with a projector, audio system and amplifiers. The seminar halls serve as a venue for various activities throughout the year.

Computer Labs: SRKIT has sufficient computer labs with the following equipment:

S.No.	Particulars of equipment	No. of units available
1	Desk top Computers	840
2	Servers	03
3	Printers	20
4	CD writers	02
5	Routers	15
6	Fire wall	01
7	Switches	40
8	Laptops	06
9	Projectors	30
10	Projector accessories	03
11	Scanners	10
12	CCTV camera	70

Skill Development Labs: The institute has three skill development labs established by APSSDC viz CM's skill excellence centre, DASSAULT lab and Indo-European skilling centres for Mechatronics and Industrial Robotics. The institute also has Pearson Test center and Certiport center which facilitates tests for getting software certifications like Microsoft, Java and any other MNC certified tests.

Cells: The institute has constituted various cells to create an eco system of quality improvement, research and innovation like IPRC, EDC, R&D, IIIC and IQAC. The institute also has career counseling and guidance cell which provides counseling through seminars and workshops.

Training and Placement cell: The T&P Cell gives Campus recruitment training along with soft skills and interview skills to students and also organizes campus drives.

Workshops and drawing halls: SRKIT has well equipped workshops and drawing halls that fulfill the needs of curriculum.

Library: SRKIT has a Central Library that plays a vital role in providing resources which enhance the knowledge of the faculty and students. It is housed in an area of **636.38 Sq.m** with the seating capacity of **two hundred** users. It also offers reprographic facility at a minimal price to the faculty and students. The timings are from **8:00 AM to 8:00 PM** on all working days.

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

Response:

Sports facilities:

SRKIT has adequate facilities for sports and games (indoor, outdoor) Gymnasium, Yoga centre etc.. A well qualified Physical Director is appointed to train and monitor all sports and games activities. Annual sports day is organized in the month of February and winners receive prizes.

Indoor Games: Available indoor games in the institute are Table Tennis, Carroms, Chess and Gymnasium. The indoor games data is as follows:

S. No	Name of the Sport	Available	Year of Establishment	User rate (%)
1	Table Tennis	2	2012	12
2	Carrom Boards	4	2015	19
3	Chess	6	2015	20
4	Gymnasium	1	2018	09

Outdoor Games: Available Outdoor facilities in the institute are Volley Ball, Throw Ball, Basket Ball, Tennikoit, Kabaddi and Cricket nets.

S. No	Name of the sport	Area of Court	No. of Courts Available	Year of Establishment	User rate (%)
1	Volley Ball	18M X 9M	1	2013	04

2	Throw Ball	12.2 M X 18.3M	1	2012	10
3	Tennikoit	12.2 M X 5.5 M	2	2012	14
4	Kabaddi	13M X 10M	1	2010	08
5	Cricket nets	20 M X 3.6 M	1	2018	19

Cultural Activities: In SRKIT cultural activities are held in the auditorium, seminar halls and the open auditorium is used for special events.

Yoga: A yoga trainer is provided to the students. Around 400 sqm area is allotted by the college for yoga practice. International Yoga Day is celebrated every year by inviting experts from various organizations.

Gymnasium: The institute has gymnasium equipped with Treadmills, Stationary bicycles, Dumbbell sets etc..

All the courts, sports and games equipment are periodically maintained under the supervision of the Physical Director. The institute encourages students to participate in regional, university, national and international level events. Some of our students represented and won major events in different levels.

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: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 54

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: 55.6

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
620.8	412.01	393.9	374.44	582.32

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

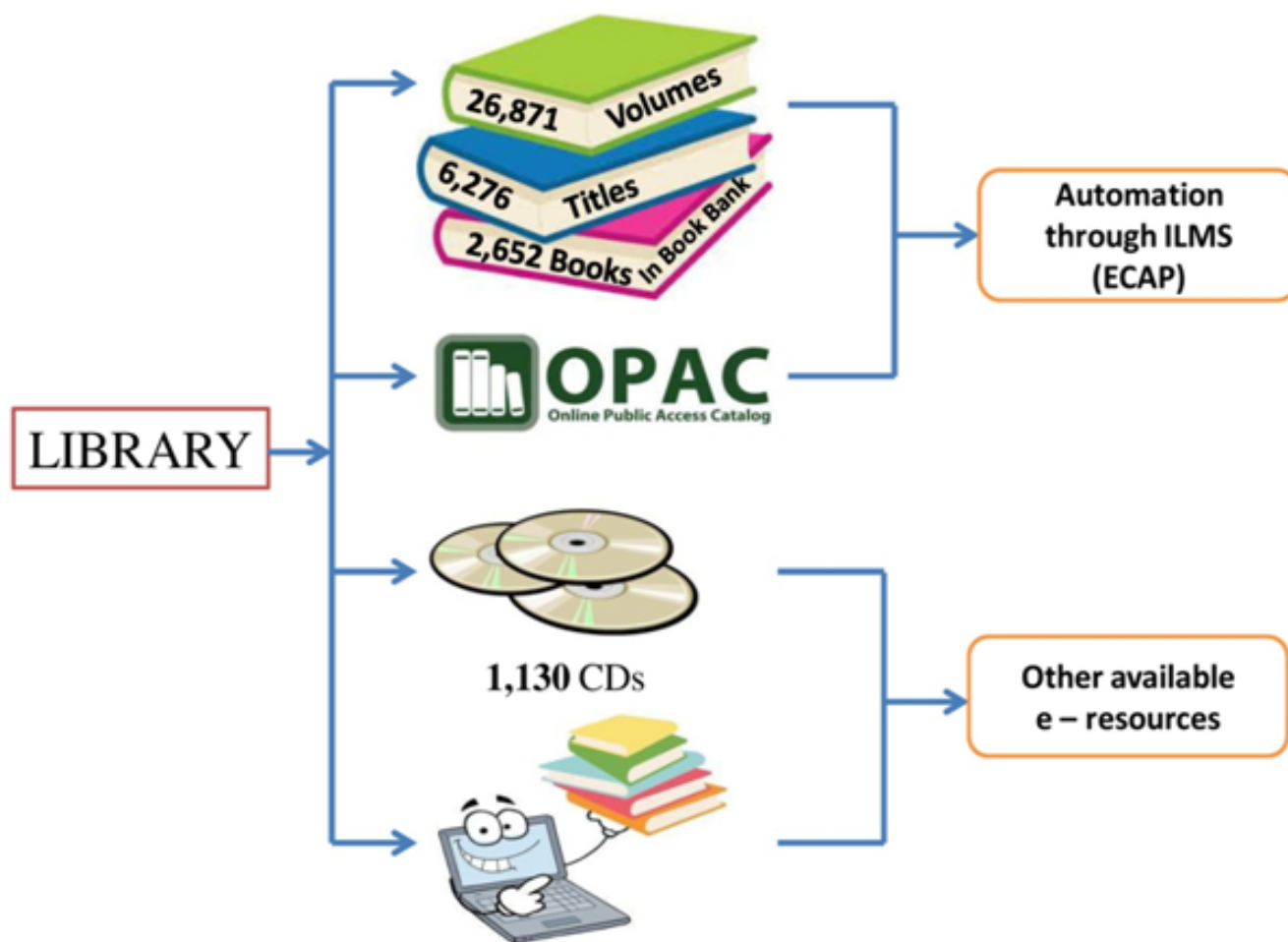
4.2 Library as a Learning Resource

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

Response:

SRKIT has a Central Library that plays a vital role in providing resources which enhance the knowledge of the faculty and students. Library is housed in an area of **636.38 Sq.m** with a seating capacity of **two hundred** users. The timings are from **8:00 AM** to **8:00 PM** on all working days.

- Name of the ILMS software: Engineering College Automation Package (**ECAP**)
- Nature of Automation: Fully Automated
- Version: 5.2
- Year of automation: 2017



The institute library functions under the Open Access System having a total collection of **26,871** volumes of books with **6,276** titles covering all the branches of Engineering, Management, Sciences and Humanities and general books. The library has the subscription of several online Journals, national and international Journals. Periodicals, news papers, project reports of UG and PG students, previous years question papers, books on competitive exams along with the Book Bank consisting of **2,652** books are also made available. One terminal is allotted for students to check the availability of books with the help of OPAC.

The digital library has an impressive collection of around **1130** CDs, e-resources like DELNET, J-GATE, NDL, SWAYAM, e-Shodh Sindhu, N-List and collection of e-books. In addition to this, the library is also equipped with an internet browsing centre with **twenty** systems with unlimited access to various academic resources available on the internet.

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: 10.88

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
2.88	3.77	16.06	11.50	20.17

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 last completed academic year

Response: 27.69

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

Response: 636

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:

SRKIT has well established IT infrastructure and updates its laboratories including hardware, system and application software and Wi-Fi connectivity periodically.

In addition to existing HP Prolaint server, a high-end Blade server, with 4Blades each with 2Xeon Nehalem Processors 2.8GHz, 2GB RAM and 500GB HDD was procured in the year 2012 with 24 x 7 power backup. This state-of-the-art technology Blade server is capable of handling all the services of the campus. In 2018, a high-end WS Dell Precision T5820 server with 6core 12thread Xeon Processors, 64GB RAM and NVIDIA P2000 Quadro 5GB Graphic card to cater to the graphics processing needs of Dassault 3DExperience Center was established.

Since its inception in 2007, the institution has been procuring the high end desktops. Core2Duo systems procured during the academic year 2007-08, core i3 systems in 2011-12 and core i5 systems in 2017-18. As on today, the institution has 840 desktops. In the last five years, the institution procured 100 core i3 systems with 4GB RAM and 170 core i5, 16GB RAM and 1TB HDD systems. In 2015, 60 systems were upgraded from 2GB RAM to 4GB RAM. In 2019, 175 systems were upgraded from 2GB RAM to 4GB RAM and 60 systems from 4GB RAM to 8GB RAM.

AP CM Skill Excellence Centre with 37 core i5 & core i7, 16GB RAM laptops for skill based technical training was established in association with APSSDC in 2018. DASSAULT 3D experience centre with 36 cloud licence was also established in the same year.

The institute has intranet with 1Gbps fiber optic backbone network with 40 CISCO manageable switches supplemented with Wi-Fi support given by 25 access points with 24x7 availability. In the last five years, 13 unmanageable switches were replaced with manageable switches. The campus has 70 surveillance cameras and 10 biometric attendance devices. Internet bandwidth of 85Mbps in 2015 was enhanced to 120Mbps in 2017 and 150Mbps in 2019, upgraded recently to 550Mbps through multiple ISP connections. Hardware Sonicwall firewall with Firewall throughput of 1500Mbps, application Throughput of 1100Mbps and 1,50,000 multiple connections, was recently procured replacing the existing software firewalls.

The institute has Microsoft Volume License and is being renewed every year since 2011. In 2019, it is updated to Microsoft Azure campus license. This license facilitates regular updating of 9system software and 27application software including Office365 and MS Teams for all students and faculty.

Library and Exam Cell are facilitated with high-end print/copy/scan/fax/box/ADF printers. The institution procured 30 new LCD projectors in the last five years for E-classrooms, seminar halls, conference halls and laboratories and replaced 12 projectors procured during 2009-12.

KVAN software was upgraded in 2018 for Language Laboratory procured in 2008. All the latest software like IBM Rational Suite, Oracle, MATLAB, L-Spice, XILINX, MENTOR Graphics, CC Studio, ANSYS, STAAD PRO , AUTOCAD, AUTOSIM, CATIA, SIMULIA, Siemens, CPRog, igus robots for different disciplines are available.

College management software EZschool procured in 2011 was upgraded with ECAP, college and learning management system.

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

Response: 3:1

File Description	Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution

Response: A. 750 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: 46.79

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
390.6	353.3	391.75	367.63	566.42

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document
Audited statements of accounts	View Document

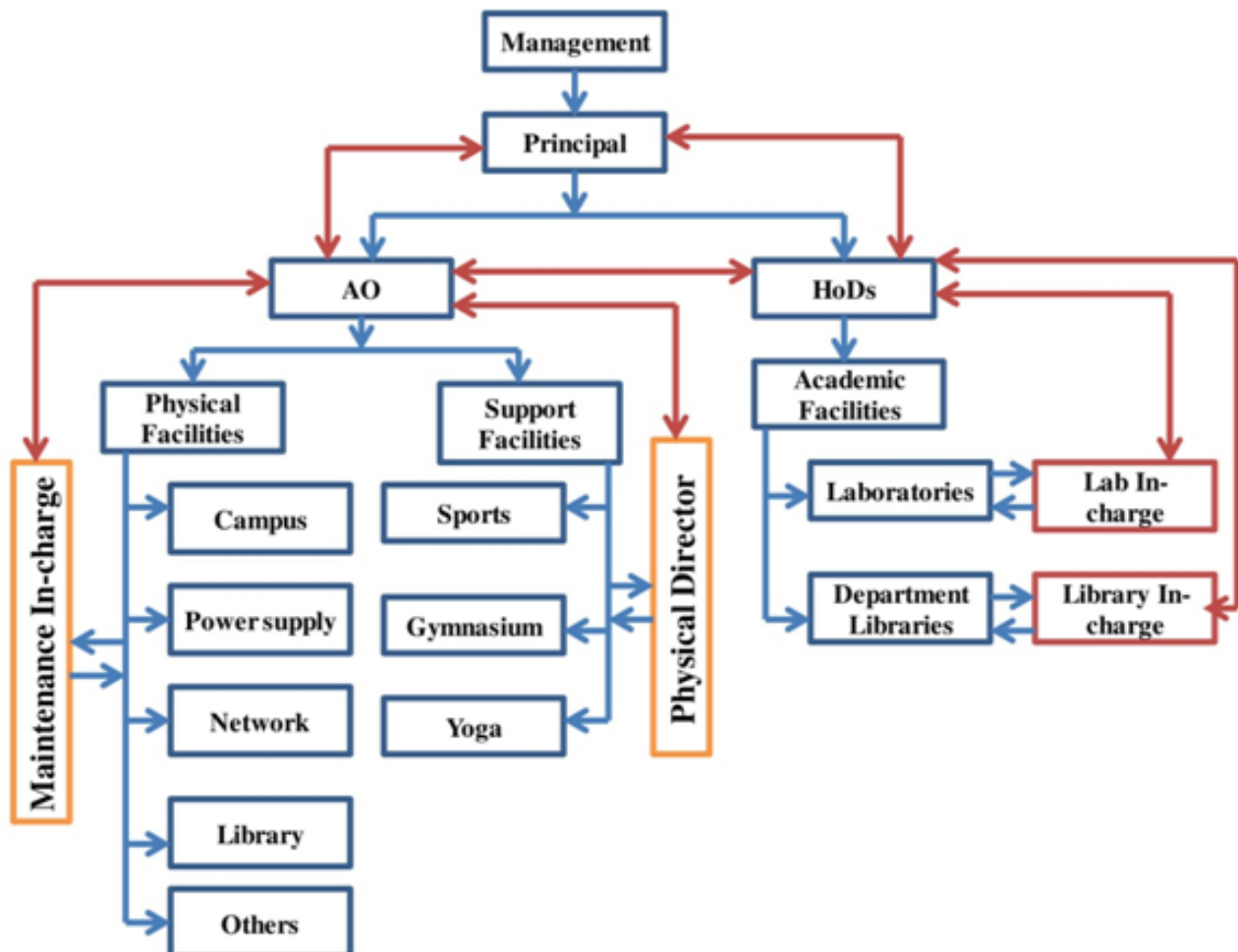
4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

Availability and utilisation of Facilities:

SRKIT has well-developed physical, academic and support facilities with fifty class rooms, e-class rooms with LCD projectors, sound systems, sufficient tutorial rooms, prescribed laboratories for all the programmes, spacious seminar halls, computer labs, Skill Development Labs, Training and Placement cell, workshops and drawing halls that fulfill the needs of curriculum.

The institute has its own defined procedures and policies for maintaining those facilities.



Maintenance and Utilisation of Facilities at SRKIT

1. Physical Facilities:

Campus Maintenance: Cleanliness of the campus is done on a regular basis. Classroom furniture such as window glasses, doors, chairs, benches and black boards are maintained regularly. Pest control measures are taken. The garden and lawns are well maintained. Solid waste, e-waste and bio medical waste are managed through MoUs with various organizations which are in collaboration with AP Pollution Control Board. Liquid waste is managed through regional organizations. In pandemic, the college is regularly sanitized.

Power supply Maintenance: The electrical equipment such as UPS, Batteries and Generators are monitored every month and their status is entered in the maintenance register. Cleaning of the generator and radiator fan belt and diesel checking in storage is done on a regular basis.

Network Maintenance: The network functioning and Internet, Intranet and Wi-Fi facility are supervised and maintained by the network administrator. Upgradations of the existing network model is executed by inviting quotations from different service providers as per standard purchase procedure. Telephone and intercom related issues are resolved.

2. Academic facilities:

Laboratory Maintenance: Laboratory equipment is maintained with utmost care. The in-house repairs and maintenance is addressed by qualified technicians from respective departments periodically. The technician checks the status of laboratory equipment and gives a report to the concerned lab in-charge. Lab in-charge verifies and submits the report to the head of department, who in turn ensures that the equipment is reinstated to working condition. If any equipment is to be repaired during the warranty period, the equipment supplier will be intimated about the service and it will be serviced. Monitoring and maintenance of computers and its peripherals in all the laboratories is handled by the network administrator.

Library Maintenance: SRKIT has a Central Library with Engineering College Automation Package (ECAP, Version 5.2) that plays a vital role in providing resources to faculty and students which is centrally airconditioned. It also provides research resources through digital media like DELNET, J-GATE, NDL, SWAYAM, e-Shodh Sindhu and N-List. The subscriptions are renewed accordingly by the librarian after securing permission from the Principal. Library also offers reprographic facilities provided by support staff at a minimal price to the faculty and students. One terminal is reserved for students to search information of availability with the help of OPAC. Every semester the HoDs make an indent for new books as per the JNTUK curricular requirements and they are procured by the librarian from the publishers. Annual stock verification is conducted and library is restocked as per requirement.

3. Support facilities:

Sports facilities:

SRK Institute of Technology (SRKIT) has adequate facilities for sports and games (indoor, outdoor) Gymnasium, Yoga centre etc.. A well qualified Physical Director is appointed to train and monitor all sports and games activities.

Indoor Games: Available Indoor games in the institute are Table tennis, Carroms, Chess and Gymnasium for boys and girls. The indoor games data is as follows:

Outdoor Games: Available Outdoor facilities in the institute are Volley Ball, Throw Ball, Badminton, Basket Ball, Tennikoit, Kabaddi Men, Kabaddi Women, Kho-Kho and Cricket nets.

Yoga & Gymnasium: A yoga trainer is provided to the students. The institute has two gymnasiums- one for boys and one for girls. They are equipped with Treadmills, Stationary bicycles, Dumbbell sets etc..

All the courts and sports and games equipment are periodically maintained under the supervision of the Physical Director.

Transport: The institute offers bus transport facility to both students and faculty. The institute has sufficient number of buses which ply to different locations in and around the city. The institute has experienced drivers and periodical bus maintenance is done by skilled mechanics. Tata Ace is provided for transporting the procured material. Two cars and drivers are available round the clock.

RO plant: Drinking water refined 24/7 by our RO plant and dispensed through coolers is provided in the campus. The plant capacity is 1000 liters and it filters water at rate of 250 litres per hour.

Fire safety Equipment: The institution has adequate fire safety equipment.

Intercoms: The institution has good connectivity through intercoms.

Campus security and surveillance cameras: 70 surveillance cameras are installed in strategic places for the campus surveillance. Campus is well guarded round the clock by 30 security personnel, who work in shifts and hired by the institute from a private agency.

First Aid Facility : First aid facilities are provided in both boys' and girls' hostel and the waiting halls on all floors are equipped with basic medicines. Sanitary supplies are provided through vending machine. The generated biological waste is disposed by incinerators.

Canteen and Mess facility: Campus has a Mess for students in hostel which extends its services to faculty and day scholar students. It is maintained by experienced support staff (cooks, servers, cleaners) hired by the institute. Canteen provides basic amenities, stationary, eatables and beverages.

All the above facilities are periodically maintained by the concerned maintenance incharges.

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: 76.22

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

2019-20	2018-19	2017-18	2016-17	2015-16
1684	1757	1699	1668	1654

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: 18.99

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

2019-20	2018-19	2017-18	2016-17	2015-16
178	817	532	266	318

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
Link to Institutional website	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: 51.25

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
1096	1158	1189	1165	1083

File Description	Document
Number of students benefitted 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: A. All 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: 25.77

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
211	233	168	109	77

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: 22.46

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

Response: 137

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

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: 50.86

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
98	14	15	13	14

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
113	39	36	29	31

File Description

Document

Upload supporting data for the same

[View Document](#)

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

[View Document](#)

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: 58

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
13	18	12	12	03

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:

SRKIT provides opportunities for the students to become members of committees and actively participate in administrative, co-curricular and extra curricular activities. It fosters organizational abilities and leadership qualities among the students. This exposure helps the students to understand and solve different administrative problems thereby making them more responsible. This involvement helps them to focus on practicing and promoting values keeping in mind the vision and mission of the institute. The students are familiarised with the objectives of the committees when they are nominated by the chairman of the committee. SRKIT has student participation in various committees like IQAC, Library, NSS, Anti Ragging, Grievance cell, Women Grievance, Hostel, Canteen, Transport, Complaints/ Suggestions, Social welfare, Student welfare, Alumni, Art - Literary and Cultural etc.,

The institute encourages the involvement of students in organizing events like Annual get-together, Independence Day, Teachers' Day, Engineers' Day and Techno-cultural fests.

At departmental level, associations are functional. The students organize various co-curricular and extracurricular activities once a week after the college hours to hone their academic and personal skills. These associations give them platform to overcome their internal inhibitions and bring out their best to make them successful not only in their career but also in their personal life. Ultimately they stay in the campus happily and lively. They share their happiness with the society in terms of giving back their fruitful services.

Responsibilities of the student committee members in various committees:

- **IQAC:** They give ideas for conscious, consistent and catalytic action to improve the academic and administrative performance of the institute.
- **Library Committee:** The student member represents the needs and concerns of the students to the Library Committee.
- **NSS Committee:** Student members take an active role as volunteers to participate in various

extension activities like Swachch Bharath, Blood Donation Camps and planting saplings.

- **Transportation:** They represent the concerns of the co students regarding the regular transport facility to the committee.
- **Anti Ragging Committee:** They assist the faculty in the committee in preventing incidents of ragging.
- **Women Grievance Redressal Cell:** They assist the committee members to prevent sexual harassment in the institute, proposes and organizes gender sensitization, women empowerment and self defense programmes.
- **Grievance Redressal Cell:** They act as an interface in bringing the student grievances to the notice of the committee members.
- **Canteen:** They help in preparing the menu and monitor the quality of food and service in the canteen.
- **Public relations, press & media:**They take initiatives to foster community relations and internal communication.
- **Hostel and Canteen:** They take active role in preparing the menu, sensitizing the students to follow hostel rules and regulations.
- **Student Welfare and social welfare:** They coordinate and help the students in registering, opening and renewal of the scholarship.
- **Art - Literary and Cultural:** They promote, plan and conduct various cultural activities.



These activities help students enhance skills like leadership, interpersonal, empathy, communication and self-discipline and transform themselves into holistic persons.

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: 21.4

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
21	26	30	19	11

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:

SRKIT has a registered Alumni Association named SRK Institute of Technology Alumni Association (SRKAA). This body is constituted with the purpose of strengthening the alma mater and the alumni. In line with organization's goals, Vision and Mission, the members strive to strengthen their bond with SRKIT through their valuable contributions.

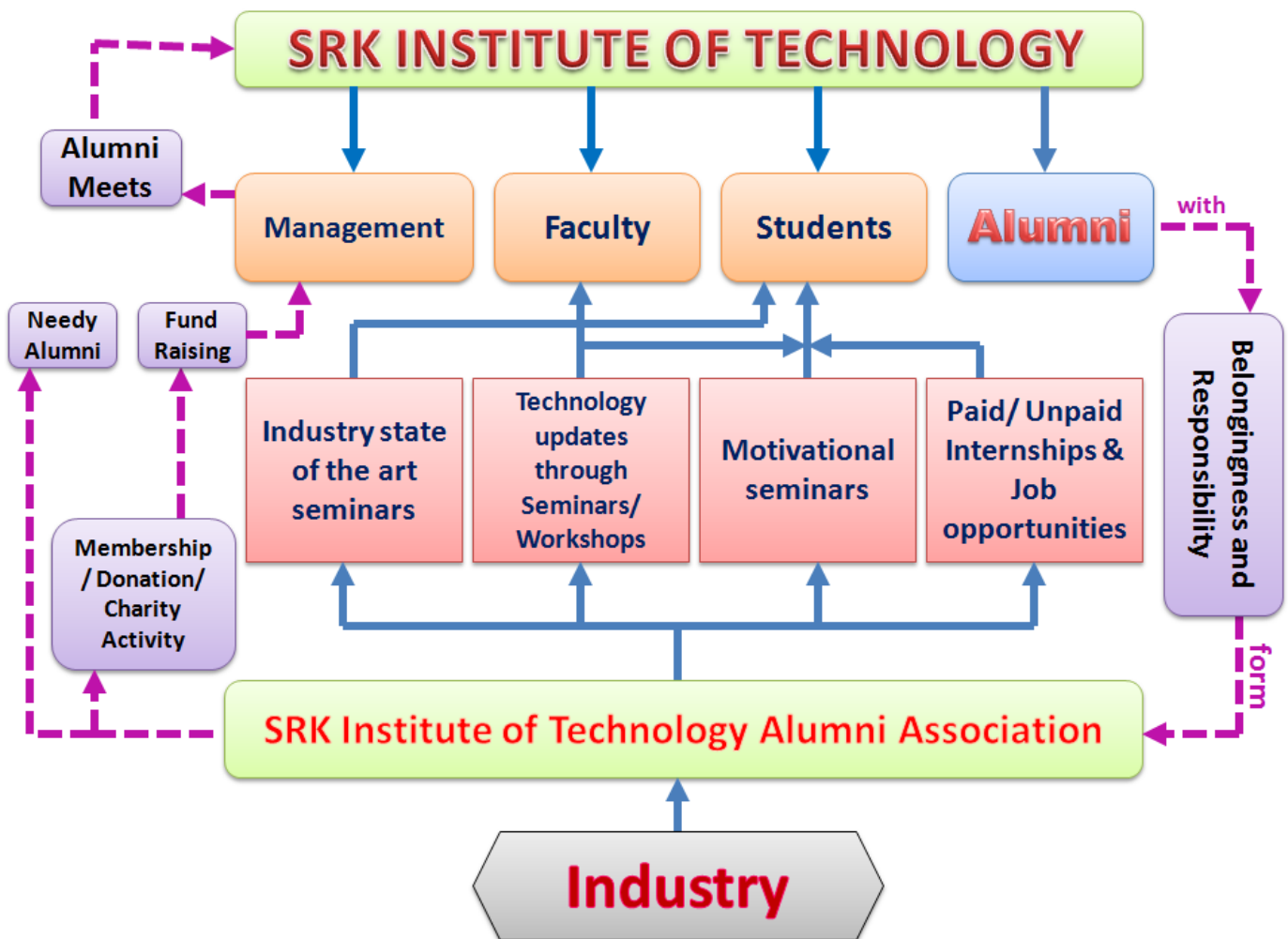
The governing body is nominated by the registered members of the association. They work in accordance with the SRKAA Bye - Laws . It focuses on connecting alumni to the parent institution. The institute organizes periodical alumni meets where they reunite with their classmates and faculty to share their memories and extend their support to the growth of the institution.

Contributions of SRKAA:

- Sharing their industrial expertise and technology updates through guest lectures to provide job ready skills to the students.
- Participation in student interactions when Alumni from India and abroad visit their home town.
- Providing references for student placements.
- Endorsing the institute and recommending it to their relatives and friends.
- Suggestions to improve the effectiveness of the curriculum.

- Improving institute industry interaction by bringing industrial experts to interact with our students.
- Providing employment opportunities to the students in alumni enterprises.
- Giving career counseling to develop awareness and confidence in students.
- Donating books to the library to meet the academic needs of the students.
- Granting internships to provide industrial exposure to the students.
- Creating awareness about startups and entrepreneurship.
- Motivating the students with their success stories, challenges faced and coping with setbacks.
- Contributing towards the welfare of the Alumni members.

The Alumni Association of our institute is strong and rich with members from multifarious professions. They are employees, employers, entrepreneurs and technocrats who have achieved excellence in their chosen field. Alumni Association which functions with charity, collectivity and camaraderie as its corner stone is one of the four pillars of the institute.



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 emerge as a force to reckon with in our region for imparting quality engineering education and aspire to earn eventually national and international recognition as a premier education institute with academic excellence".

MISSION

- To create and sustain intellectually challenging environment.
- To perform best practice benchmarking on a continual basis for evolving the right culture in the institute.
- To develop efficient knowledge delivery systems with emphasis on the learning and problem-solving capabilities of the students.
- To facilitate the metamorphosis of the students into productive and responsible citizens.
- To enable SRK Institute of Technology play an active role in regional wealth creation through the promotion of industry-oriented research.
- To maintain high degree of integrity and transparency and highest form of professional ethics in our day-to-day affairs.

The vision and mission statement defines the institute's divergent characteristics in fulfilling the needs of all the stakeholders involved. In adherence to the vision and mission and the norms of AICTE and UGC, the college management constituted a Governing Body whose members, with their extensive experience and leadership skills contribute to the overall growth of the institution.

The Mission of the institute proposes an **Intellectually Challenging Environment** with a commitment for empowering the students & faculty. The institute implements best practices to serve as a benchmark and enable the institute to evolve into an epitome of values and culture.

Statutory committees like Governing Body, Academic Council (AC) / College Academic Committee (CAC) consisting of Heads of all departments and Non-Statutory committees like Women Empowerment Cell, Anti Ragging Committee etc., are constituted to involve the faculty in decision making and implementation.

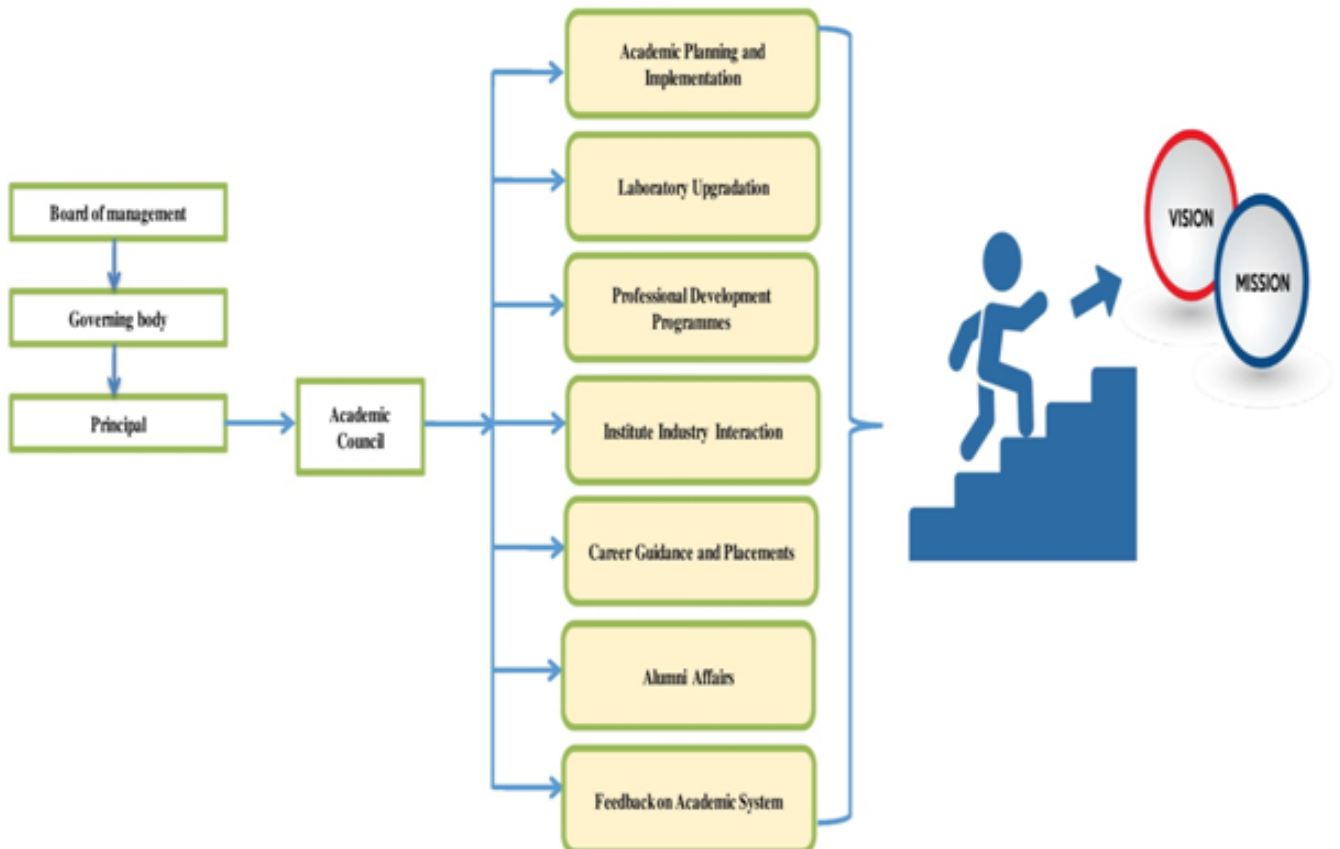
The Principal formulates the rules and regulations under the guidance of the Governing Body and the CAC of the institution. He ensures the right logistical and academic atmosphere in the institution to assist the learners to become globally competitive.

The CAC administers the academic planning, faculty requirement & academic load, effective utilization of classes, feedback on the academic system, result analysis, research activities and ensures student discipline. It addresses infrastructural requirements, maintenance, security arrangements, coordination of events and conferences, alumni affairs, hostel, transport, and placements. The HoDs are responsible for upgrading laboratories.

Feedback and ideas are invited from alumni and other stakeholders for innovation and improvement in various activities such as academics, Industry Institute Interaction (IIC) and Placements etc.

The senior professors, with the assistance of faculty members, act as conveners of the non-statutory committees and assist the Principal. The faculty and staff members are involved through the institutional committees in developing and implementing the decisions at various levels.

The Principal and HoDs are provided with financial resources to modernize the facilities, implement new R&D projects, expand infrastructure, upgrade laboratories, library, classrooms, ICT and sports facilities according to the annual plan.



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

Response:

The institute believes in the practices of decentralization and participative management which promote its vision and mission. The decentralization reflects in various functional bodies like Management, Governing Body, College Academic Committee, IQAC Committee, Administrative, NSS committees and various committees. Management, Governing Body and IQAC, frame strategic policies and quality initiatives to be adopted.

1.Management:

The Management develops the infrastructure of the institution to meet the requirements defined by the regulatory bodies to run various programs. The management allows substantial independence to the constituted committees and accepts inputs from their expertise in decision-making.

2.Governing Body:

Governing body plays a pivotal role in recommending the optimal use of human, financial and infrastructural resources of the institute. It guides the Principal in discharging administrative responsibilities.

3.Administration:

The institute firmly believes in providing quality education to the society. The Principal and HoDs play a vital role in the creation and implementation of policies, programs, and initiatives that fulfill the vision and mission of the institute. The administration ensures quality in areas like academics, discipline, co-curricular, extra curricular activities and examinations.

4.IQAC:

IQAC plays key role in assuring the quality of teaching learning process, research activities, infrastructure and availability of facilities to its stake holders.

5.Faculty:

The faculty execute the policies of the institute and maintain a healthy relationship with the students and parents and communicate their grievances to the authorities.

6.Non Teaching Staff:

Non teaching staff discharge their duties by maintaining records, technical equipment and infrastructure.

CASE STUDY : COLLEGE ACADEMIC COMMITTEE (CAC)

Role:

College Academic Committee (CAC) is a centralized committee responsible for the academic growth of the institute. It also provides guidelines for the departmental academic committees.

Committee Member Hierarchy:

The CAC consists of the Principal (Chairperson), Heads of the Departments, and Officer In-charge of Examinations.

Activities conducted by CAC:

- Planning, executing and monitoring the academic activities and other related activities.
- Planning and executing development programmes for faculty and students.
- Formulating future plans for the growth of the institute.
- Charting resource mobilization through industry interaction, consultancy and extra-mural funding.
- Promoting research and extension activities.
- Endorsing teaching innovations and student placement programmes.
- Sustaining the quality of education, institutional improvement and enabling accreditation.
- Recommending schemes to promote participation of faculty and students in community development.
- Reviewing students' attendance /malpractices in examinations.
- Monitoring the internal examinations/ evaluation/ recording.

The CAC conducts periodical meetings with staff, student representatives, students, parents, alumni, corporate persons, employers etc., to get their inputs and strive incessantly to improve the quality of education and fulfill the institute's vision and mission.

6.2 Strategy Development and Deployment**6.2.1 The institutional Strategic / Perspective plan is effectively deployed****Response:**

SRKIT has adopted a strategic plan to promote and develop effective Teaching Learning methodologies, English Communication Skills and Research Methodologies. The institute planned a series of programmes over a period of five years to reach this goal.

SRKIT has constituted the Research and Development Cell to encourage an environment of innovation. The faculty are supported to pursue research and publish their findings. Many faculty members have registered for their doctoral degree and some have attained their degrees with the support of the institute. The institute encourages faculty to attend various activities pertaining to research.

Some of the initiatives taken to develop Effective Teaching Learning Methodologies are:

- A one week Faculty Development Programme **Communication Skills**, on various aspects of Communication like reading, writing, listening and speaking was organized by the Institute.
- Faculty training program on **Instructional Design and Delivery Systems** by The National Institute of Technical Teachers Training and Research (NITTTR), Chennai, was conducted where new teaching learning methodologies were explained and practical teaching sessions were given by the attendees.

- A Three day workshop for Faculty on **English for Teaching Purposes** was conducted where strategies for effective teaching were given along with hands-on-experience.
- A seminar on **Effective Class Room Strategies** was delivered by Dr. Venkat Reddy from English and Foreign Languages University, Hyderabad.
- A one week Faculty Development Programme in **Effective Teaching and Learning** was conducted for the faculty by Dr. Claire F. Komives from San Jose University, USA.
- A one week workshop for newly recruited faculty on **Enhancing Classroom Communication** was conducted to provide insights into new teaching learning methodologies by using ICT tools. The participants were given constructive feedback for practical teaching sessions.

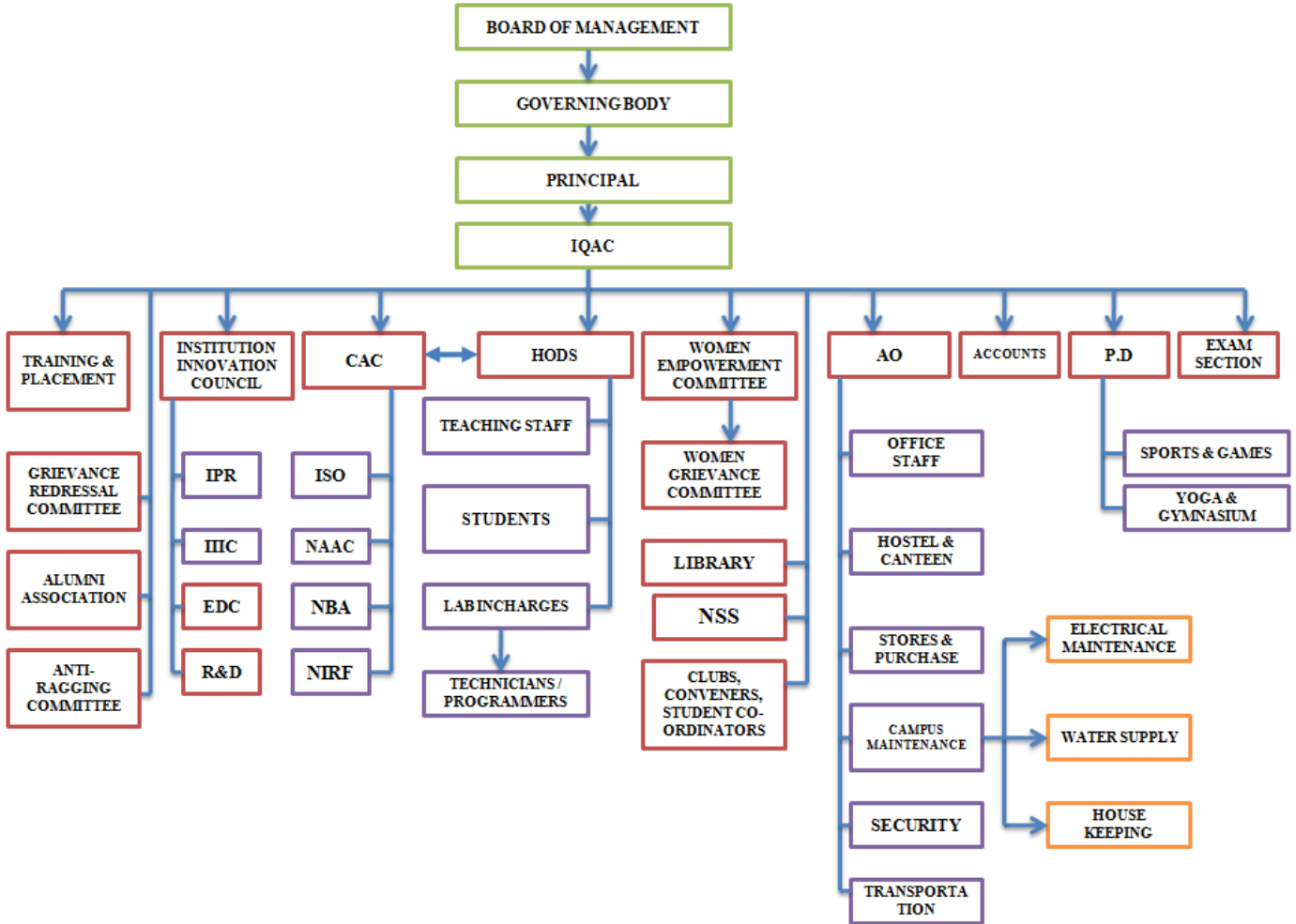
SRKIT has made incessant efforts in imparting new teaching learning strategies and also English communication skills among the faculty. Many programs like the above mentioned were planned and executed to attain this goal. The institute has made great strides in these aspects through FDPs. There was a sea change in the planning of teaching and its execution by using PPTs, e-resources, task/activity and outcome based teaching which was the result of the continuous efforts made by the institute in this area. The less experienced faculty who were unaware of these methodologies could imbibe them at the initial stage of their teaching career and the experienced faculty could update and enhance their knowledge. So the strategic plan to develop new teaching learning strategies and English communication skills was highly successful.

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

Response:

Governing Body is the functional head of the institution. It mainly looks after the overall growth of the institute.

ORGANOGRAM OF SRK INSTITUTE OF TECHNOLOGY



- The Principal is the Chief Academic Administrator who looks after both academic and administrative matters and acts as a bridge between the Management, Staff and Students.
- The Principal has autonomy to make financial decisions in consultation with the management, relating to the procurement of the lab equipment, funding of seminars, workshops and departmental general expenditure.
- HoDs are responsible for the functioning of their respective department as per the policies of the institute.
- The academic council / CAC comprises of all the HoDs with Principal as Chairperson.
- The Administrative Officer looks after the regular administration of the institute, office management and helps the principal in complying with the regulatory bodies.
- Every committee has one faculty as the coordinator from each department. The coordinator is the in-charge of the committees and its activities.
- The coordinators of all the committees report to their respective HoDs who will in turn report to the Principal.
- Training and placement officer who reports to the Principal deals with the training of the students and organizing campus drives.
- Decisions pertaining to academic matters are decentralized. Allotment of course work, monitoring of syllabus coverage, planning and organizing seminars, guest lectures, workshops, industrial tours, staff orientation programs, remedial classes, makeup classes, personality development programs, project works are also organized by the faculty as per the instructions of the HoDs.

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
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:

SRKIT considers Employee Welfare is an obligatory part of the organization. Welfare measures of an organization ensure in keeping up the morale of the employees. They help the employees to work for longer duration. They also enhance the quality of their performance, as they feel contented, comfortable and enthusiastic to work for the organization.

Welfare measures for Teaching and Non-Teaching members of the institute

The Institute provides:

- A moral, fit, healthy and competitive, academic driven, student centered, supportive and professional work environment to its faculty.
- A chance to upgrade their qualification to acquire the higher educational degrees.
- Infrastructure, library, equipment, required software and other resources for the researchers.
- Reimbursement of membership fees of the professional bodies to the faculty.
- Transport facility.
- Maternity leave.
- Hostel facility.
- PF and ESI for Non-teaching staff.
- Fee concession to the children of economically backward staff.

For the Professional Development of faculty

The institution provides:

- Special leave and financial assistance to participate in seminars /workshops /conferences / training

and faculty development programs.

- Study leave for higher education or for full time higher education programmes.
- Encouragement to present and publish research papers.
- Support to undertake minor/major research projects.
- Training programs for the new entrants to improve their teaching skills.

For the Professional Development of Technical / Non- Teaching staff:

The institution provides:

- Training on laboratory skills, fire safety and first aid.
- Training to library staff.
- Encouragement to acquire computer operating skills.
- Fee concession to the children of economically backward staff.
- Festival bonus for Sankranti.

Amenities for teaching and non-teaching members:

- ATM facility on the campus.
- Recreation programs, sports and picnics are arranged.
- Grievance Redressal Cell.
- Subsidized canteen facility.
- Yoga classes for physical & mental fitness.
- Wi-fi facility.
- Personal Workspace.
- Computing facility.
- Medical and health camps.
- Awareness programs related to health, bank loan facilities etc.
- Appreciation and incentives to faculty for their professional achievements.
- Fire safety, CC TV cameras to ensure safety and security.

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: 55.81

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
84	78	84	87	53

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

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: 9.8

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
14	08	10	08	09

File Description	Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	View Document

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: 23.44

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
92	34	03	23	09

File Description	Document
IQAC report summary	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:

The institute has a standardized framework used for the process of Faculty Performance Appraisal which incorporates both accountability and professional development. The functional features of the Performance Appraisal process are as follows:

- The Performance Appraisal process for the staff is acquired manually.
- An annual self-appraisal report is submitted by every faculty member to the HoDs of the respective departments.

Different types of Evaluations are:

1. Students' Evaluation of Staff: The feedback from the students is taken at the end of each semester. The students rate the teacher on various parameters like subject knowledge, content presentation, communication skills, classroom management, clarification of doubts, transparent evaluation, use of technology, counseling, prompt completion of syllabus, punctuality, interaction with students and mentoring.

2. Self-appraisal of Staff: The Faculty rate their own performance for 10 marks.

3. HoD's Evaluation of Staff: The HoD monitors the overall performance of every faculty member and rate them on ten point scale in the faculty appraisal form (FAF).

4. Principal's Evaluation: The Principal observes the overall performance of every faculty member and rate them on ten point scale in the faculty appraisal form (FAF).

5. API Score is obtained on 3 levels for each faculty members.

* Level 1: 100 Marks (Teaching, learning & evaluation)

* Level 2: 50 Marks (Co-Curricular, Extension & Professional Development)

* Level 3: Variable Marks (Research & Development)

Performance Appraisal for the non-teaching staff

The appraisal of non-teaching staff is done by the office in-charge with the help of the management. The day to day activities are observed and instructions are given for improvement. In case of non compliance, the worker is advised to make possible changes by the management. The feedback given by the office-

incharge is analyzed by the management and decisions are taken accordingly.

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:

SRKIT has a system of both internal and external audits for all the financial transactions carried out in the institute every financial year. Accounts department headed by Manager (Accounts) maintains financial accounts daily and prepares all financial statements and submits them to all statutory bodies like AICTE, UGC, JNTUK and State Government as and when required.

Internal Audit:

The Principal constitutes an Internal Audit Committee (IAC) with three members. The IAC verifies all the financial transaction statements by checking Cashbook, Bank accounts, Ledgers, Bills, Vouchers, and statement of cash position and cash flow physically and conducts sample check on the heads of various accounts, balance dates, and postings.

Suggestions raised in Internal Audit:

In the audit year, 2016-2017 it was suggested to collect the tuition fees at the beginning of the academic year to avoid arrears of payments. It was suggested to send circulars to students and reminders to the parents.

The above proposal was implemented in the academic year 2017-2018.

In the year 2018-2019, to make it convenient for the parents, online payments were suggested.

It was implemented in the academic year 2019-2020.

External Audit:

R. Padmaja, SPKR & Associates, Vijayawada have been auditors for the institute since its inception. An annual external audit is conducted, and the reports are submitted to the management.

With all statutory obligations duly complied, there were no major audit objections till the last audit. The last audit was done in the year 2020.

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**

SRKIT follows a strategy for mobilizing resources and ensuring transparency in the financial management of the institute. It primarily depends on the quality enhancement and the reputation of the Institution. Competent faculty with a higher qualification, State- of the art- laboratories and good placement record enabled fixing of better fee by the Govt. Fee Regulatory Authority.

The following are the different ways of mobilizing the funds in the Institution.

1. Tuition fee:

The major source of revenue generation is tuition fees collected from students. The appropriate fee is fixed, as per the norms, by Fee Regulatory Authority of Govt.

2. Rentals:

Computer labs and test centers generate revenue by providing space and resources to various competitive exams.

RESOURCE UTILIZATION

The resources are utilized for the following as per the approved budget.

- Employee Salaries & benefits are a major component of expenditure.

- Furniture, Laboratory Equipment and Consumables, etc.
- Library.
- Skill Development and Innovation
- Training & Placement.
- Software procurement, up-gradation and maintenance.
- Wi-Fi, Internet & Networking.
- Student Services - NSS, Sports.
- Power and fuel.
- Printing and Stationery.
- Postage and telephones.
- Affiliation and Renewals.
- Travel and conveyance.
- Repair, Replacements, and Maintenance.
- Taxes and licenses.
- Scholarships to merit and poor students.
- Campus maintenance.
- Events.
- Miscellaneous expenses.

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:

SRKIT has constituted the Internal Quality Assurance Cell (IQAC) in July 2019 to continuously upgrade the quality of the institute in all aspects. The College Academic Committee (CAC) dealt with these issues before the establishment of IQAC.

Objectives:

- Ensuring continuous improvement in all the operations of the institute.
- Ensuring quality and integrity to stake holders..
- Developing a strategic action plan to improve the academic and administrative performance of the institute.
- Implementing various measures for upgrading quality of the institute and foster best practices.

Functions:

- Collecting feedback from stakeholders of the institute on quality initiatives.
- Creating awareness on various quality parameters.
- Documenting the various programs/activities that lead to quality improvement.
- Organizing workshops and seminars on quality development for the faculty and students.
- Working continuously for the adoption of pedagogical advancement strategies to match the changing needs of students & industry.

Strategies and Processes:**1. Institutionalization of Online Certification Courses:**

IQAC suggested introducing certification courses in the year 2019-20. This was implemented in the year 2019-20. Students and faculty were encouraged to enroll for the online courses offered by various platforms such as NPTEL, COURSEERA, CISCO, etc. to gain the domain and interdisciplinary knowledge. These courses will improve the self-learning skills and creativity.

Outcome: The continuous effort of IQAC towards certification courses has resulted in receiving all India 7th rank in NPTEL. Faculties are also participating in the online certification courses both by mentoring the students and also undergoing certification.

2. Infrastructure:

CAC / IQAC infrastructure initiatives:

- The institute increased the total number of computers from 570 to 840 during the last five years.
- Internet bandwidth of 85 Mbps in 2015 was enhanced to 120Mbps in 2017 and 150Mbps in 2019 through multiple ISP connections.
- In 2018, a high-end WS Dell Precision T5820 server with 6core 12thread Xeon Processors, 64GB RAM and NVIDIA P2000 Quadro 5GB Graphic card was procured.
- Three skill development labs were established; AP CM Skill Excellence Center, Dassault 3D Experience center with 36 cloud licenses, European Center for Mechatronics Convergence Training Center were established in 2018 in association with APSSDC to give skill based technical training to faculty and students.
- The institute has two online exam centres; TCS ION centre for online competitive exams and Pearson VUE testing centre for online entrance and certification exams.
- Increasing the number of volumes every year in the central library and acquiring subscriptions for DELNET& J-GATE to make more books available.
- A new set of classrooms and laboratories were constructed to accommodate the growing needs of the institute.

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:**1. Performance Based Appraisal System (PBAS) and student feedback.**

Review through PBAS and student feedback.

Maintaining course file for every course is mandatory for all faculty in the institute. Each department has a course file coordinator who collects, reviews the course file and reports to the head of the department.

The course file includes lesson plans, course outcomes and attainments along with information on teaching methodologies such as ICT based Teaching through Power Point Presentation, group discussions, motivational videos etc..

The ratio of classes taken and classes allotted as per the time table is evaluated to know the regularity of the faculty learning management system submission of assignments, conducting quizzes, dissemination of course material through media etc. Setting of question papers in tune with learning outcomes (COs) and their assessment and mapping with Program Outcomes is also done. Review of Semester end result analysis for the grades of students and CO-PO attainment are carried out. The internal answer scripts of randomly selected courses are audited by HoDs, IQAC coordinator and Principal for the appropriate evaluation of faculty performance. A course end survey is conducted to review the attainment of learning outcomes by the students at the end of each semester.

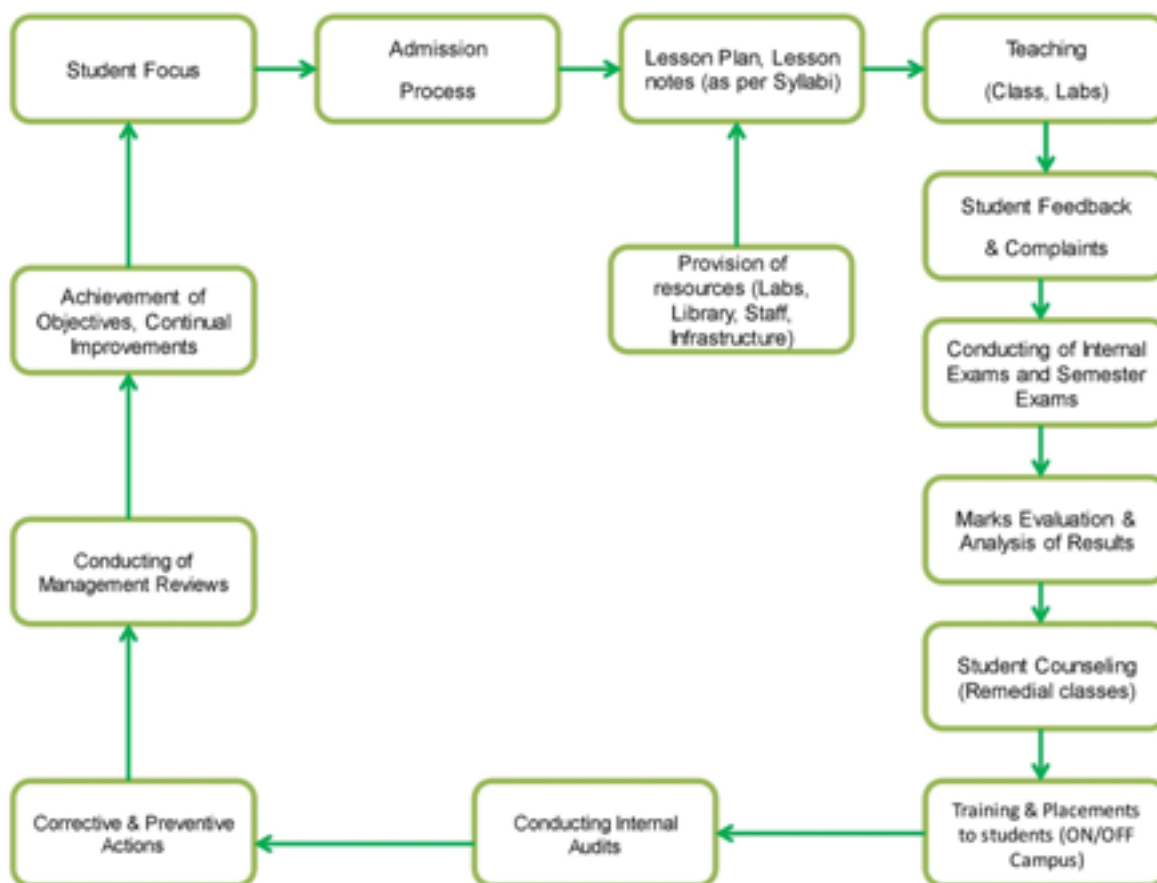
Student feedback for faculty is being practiced in all departments, recently as IQAC initiative during the pandemic, online student feedback was adopted. Feedback is collected in the middle and the end of semester to assess teaching proficiency of the faculty. Feedback covers the following attributes punctuality, syllabus coverage, clarity of presentation, motivational abilities, maintaining the discipline in the class and fairness of evaluation.

2. Academic audit through ISO

Review through Academic and ISO audits

ISO Audit is being practiced since 2011 adopting ISO 9001:2008 certification and ISO 9001:2015 at present. Regular internal external audits are conducted. Each department has an ISO coordinator who compiles all the data on academic aspects like teaching plans, methodologies adopted by the faculty, evaluation, student counseling and feedback. The department coordinator is advised by HoD who is also a member of CAC/IQAC. All the department coordinators submit the data to the ISO coordinators, also coordinators draws up the schedule for internal audit where the department coordinators act as an auditor for other departments. External audit is conducted by ISO for certification.

Quality Management System Process and assessment areas:



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 initiatives with other institution(s)
3. Participation in NIRF
4. any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

Response: B. 3 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the 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:

SRKIT believes in gender equity and has taken many initiatives in the sensitizing the community about the role of women in society both within and outside the campus. The establishment of Technical and Pharmaceutical colleges exclusively for women is a reflection of undaunted commitment for women empowerment by the management.

Indian Women Network (IWN), part of Confederation of Indian Industry was held at the institute on 19th November 2016. The platform was created to mould women as entrepreneurs and provide them equal opportunities in the business world. Dr. D.Purandeswari, Former Union Minister of HRD, GOI and in-charge of BJP Mahila Morcha graced the occasion. Mr. Harikrishna, IPS, Deputy Commissioner of Vijayawada, Ms. Ch.Sailaja Kiran, MD, Margdarshi Chit Fund, Ms. Ananda Shankar Jayant, Indian Classical dancer were some of the esteemed guests.

Students and faculty participated in the Round Table – Women Youth Connect Sessions, a brain storming session for women empowerment, held on 10th and 11th February 2017 at the prestigious National Women’s Parliament hosted by AP State government. Two of our students, V. Manasa and S. Manasa from IV/II B.Tech, IT branch, received prizes from the Honorable Speaker of Lok Sabha, Dr. Sumitra Mahajan and the Honorable Speaker of Legislative Assembly, Andhra Pradesh, Dr. Kodela Siva Prasad respectively for their participation.

In November 2017, the college implemented awareness programme on gender equality and rights and laws for women as per the instructions received from National Commission for Women. The program was spearheaded by women empowerment cell. The college received a fund of Rs 27,500/- for conducting promotional activities.

Students along with faculty participated in awareness programme on Women Safety in Cyber Space conducted by Andhra Pradesh State Police. Today, almost all the students using cell phones have downloaded AR APP. Frequent talks by the AP Police Department and SHE Shakti team are conducted.

Doctors are invited frequently to give talks on health issues like breast cancer and menstrual hygiene. Our students had also campaigned for breast cancer by holding awareness camps and marches.

All the girl students under the umbrella of SRK Foundation participated in the Champions Book of World Records in the Woman symbol formation in two minutes held at Vijaya Institute of Pharmaceutical Sciences for Women. Two thousand seven hundred and seven women students and faculty participated in the event held on 5th March 2018. Dr. Pattabi Ram Turlapati, a noted writer and founder of the NGO, Scoremore and Dr. Santhi Devi, Co-Founder of Scoremore attended the event as guests of honor. Dr. Anuradha Gadde, Chairperson, Zilla Parishad, Krishna Dt., Mr. B.SrinivasaRao, Executive Officer, Enikepadu Panchayat Office also graced the occasion.

International Women' Day is celebrated annually in the campus. Many competitive programmes are conducted to promote gender equity.

Our students along with NSS volunteers conducted an awareness programme for school children on women safety and security. They have educated women of nearby colonies in digital literacy also. The institute also conducts programs like Woman Rock IT for technical empowerment.

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

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
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:

SRKIT usually produces about 50Kg of waste per day. While dry waste is given away to recycle, wet waste is used for composting. In the end, none of the waste generated ends up in landfills and incineration. 3R approach and prudent budgeting is adopted in the collection, segregation and disposal. The generated

waste is separated effectively and is being disposed off by the college to make the campus clean and hygienic.

There are different ways adopted by the college to manage these wastes. They include:

Solid Waste:

The major solid waste materials generated in the college includes horticultural waste, such as dried leaves or plant clippings from the lawn, paper, plastic, wrappers, glass, card board and food wastes from canteen and hostel. These wastes are collected by placing waste bins at various locations in the campus. Out of this, approximately 40Kg of wet waste is used for composting in a biogas plant and composting. The collected food waste is deposited in the biogas plants. The gas produced from the biogas plant is used for cooking purposes. The hostel mess is equipped with Biogas plant. Other biodegradable waste materials are processed by using bincomposting unit in the campus with the firm endeavor of promoting recycling of waste and the manure is utilized in the campus garden.

Liquid waste:

The major liquid waste includes effluents from toilets and the laboratories. These are collected in the separate septic pits and allowed to settle into the soil. Since the effluent pits are not located near any water bodies and the college is situated in the soil area, the effluent water gets naturally filtered. The college has a proper drainage facility to drain off the excess liquid waste in to the municipal drains safely to avoid stagnation. The waste water generated is collected in a pit for filtration and used for greenery.

Biomedical Waste:

As the plastic used in disposable sanitary napkins are not bio-degradable and lead to health and environmental hazards, the sanitary napkins that are collected from the Girls hostel are incinerated to destroy pathogens at the campus level.

e-Waste:

In SRKIT, computers, printers and other ICT equipment either disposed off through buyback scheme or the e-waste generated in the campus are collected and disposed through dealers by inviting tenders. Besides this, all kinds of electronic waste, such as battery cells and useless electronic devices, are given away to scrap dealers twice a year. Periodic checking is done to ensure the proper disposal of non-working electronic items.

Chemical Waste:

The institution follows good laboratory practices to ensure the safety of the personnel and adheres to a strict protocol of liquid waste disposal in its laboratories. Indiscriminate use of chemicals is discouraged during practical classes and laboratory liquid chemical wastes are safely disposed of. Any glassware used in the laboratory is rinsed with water and placed in the liquid waste container. Inorganic wastes such as concentrated acidic or alkaline solutions are neutralized before disposal.

File Description	Document
Any other relevant information	View Document
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	View Document
Link for Geotagged photographs of the facilities	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
Link for 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
Link for any other relevant information	View Document

7.1.6 Quality audits on environment and energy 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: A. Any 4 or all of the above

File Description	Document
Certification by the auditing agency	View Document
Link for 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.Disabled-friendly washrooms

3.Signage including tactile path, lights, display boards and signposts

4.Assistive technology and facilities for persons with disabilities (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: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Link for 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:**

The institution an inclusive environment where in human differences are appreciated and valued by creating an atmosphere that promotes a sense of belonging. In an inclusive environment, each person is respected and valued for his /her uniqueness recognized and developed, and their skills are routinely utilized. In an inclusive environment, people are valued because of, not in spite of, their differences so everyone can fully participate and thrive.

The institute maintains complete transparency in admissions conducted on merit basis. The institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion and regions are studying in the college without any discrimination. There is no segregation of students on the basis of their socioeconomic, regional, lingual or communal background.

Equal opportunities are provided to the students to participate in various activities conducted irrespective of their caste, creed, religion and region. The institution has an NSS wing to inculcate a sense of unity,

discipline and harmony. The activities undertaken by NSS unit in our institution mitigate the socioeconomic diversities and progress them towards leading a tolerant and harmonious living.

Anti-ragging cell acts as a key factor in maintaining tolerance and harmony among students. A single incidence of ragging has not been reported since inception which shows the efficient working of the cell. Grievances redressal committee is also constituted to address the grievances among students to maintain harmony in the college. No serious grievances have been reported till date.

The girls are encouraged to take up leadership roles and participate actively in all student activities. Events to promote gender equity are also conducted. Industrial visits expose students to the practical challenges and also make the students from different backgrounds adapt to one another to create a tolerance and harmony in the organization.

Yuva Tarang, a cultural club, organises plays, skits, competitions and invited lectures, educates the students and makes them aware of their social responsibilities and understand the implications of their actions. The institute promotes cultural fests like Sankranti Sambralu, Explorers' Meet which promote harmony in communal diversities. Students are encouraged to participate in various co-curricular and extra curricular activities to make them mingle with one another and share their opinions and disagreements in a harmonious manner.

The institute provides poor and merit scholarships as financial support and conducts aptitude and general knowledge classes for the interested students to help them for their competitive exams. Central Library has a facility to issue books from book bank to SC/ST students supplied by the social welfare department.

Commemorative days like Women's day, Teachers' day, Yoga day, and national festivals are also celebrated in the college. Conduction of such events helps in promoting regional, linguistic, communal socioeconomic and other diversities.

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:

SRK Institute of Technology believes in its obligatory duty in sensitising the faculty and students about their constitutional obligations. The institution understands the need for embodying the principles of responsible citizenship for the nation's development. The life of a student is not limited to the classroom curriculum. In fact, as building blocks for the future of the nation, students need to be aware of their duties and responsibilities as citizens through the extension activities.

In the institution, national festivals like Republic Day and Independence Day are celebrated every year to

instill a sense of national pride. Many literary and cultural events like essay writing, elocution, singing and dancing with themes of patriotism are conducted before the national festivals. The winners are felicitated during the celebrations.

The Constitution Day, also known as National Law Day, to commemorate the adoption of the Constitution of India is celebrated on 26th November every year. Seminars and events such as debate, elocution and quiz are conducted to make students aware of our constitution and its guiding principles. Awareness programmes on importance of right to vote was conducted. Students were encouraged to enrol as voters and cast their votes as their obligatory duty. Armed Flag Day was conducted to pay tributes to the brave soldiers. Students collected funds for the suffering families of armed forces. The institute observes National Unity Day or Rashtriya Ekta Diwas on 31st Oct, the birth anniversary of Sardar Vallabhai Patel to celebrate the unity in diversity of our nation. Vigilance awareness week is observed between 27th October to 2nd November annually to sensitize the faculty and students about corruption. The students and faculty take an Integrity Pledge on vigilance day.

'Human Values and Professional Ethics' is taught as a course in one of the semesters. This course facilitates in enhanced understanding of the principles governing life, society and career. Seminars on Human Values and Professional Ethics are conducted to enable the students and faculty understand human ethics and values.

Initiatives like Jal Shakhti Abhiyan, Swachh Bharat Abhiyan, Avoid Plastic and Vanam Kosam Manam are conducted to make the faculty and students environmentally conscious. Gender equity and harmony is promoted by organising awareness programs on girls' safety and security. Students are encouraged to attend programmes like National Women's Parliament, National Commission for Women, Indian Women Network (IWN) which is a wing of Confederation of Indian Industry to promote women empowerment.

Students showed their social responsibility by participating in digital literacy camps after demonetization to facilitate digital transaction among the digital illiterates in nearby villages. NSS unit adopted some villages and conducted number of community programmes like Swach Bharat for educating in villages about cleanliness. The institution, thus, takes timely measures to sensitize students and employees of their constitutional obligation.

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: A. All 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

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

Response:

SRK Institute of Technology celebrates national and international commemorative days and events to treasure the moments and instill a sense of meaning and significance in the lives of students and staff. The days are a reminder to cherish the achievements of our founding fathers. Some of the days celebrated in the institute are:

Teachers' Day: The teachers' day is celebrated to mark the birth anniversary of second President of India, Sri Sarvepalli Radhakrishnan. Students take a proactive role in honoring their teachers on the occasion. Students hold entertaining programmes for lighter moments. They make use of the occasion to express their gratitude and pay tribute through various cultural programmes. Yuva Tarang Club plays a crucial role in mobilizing and motivating the students in leading the initiative.

Engineers' Day: The core departments along with departmental clubs hold the Engineers' Day celebrations. Every year, the country celebrates 15th September as National Engineer's Day to appreciate the contributions of Sir Mokshagundam Visvesvaraya, recipient of the prestigious Bharat Ratna award. Students display models, charts and participate in many competitions like technical quiz, seminars and workshops.

Ekta Diwas: The day commemorates the birth anniversary of Sri Sardar Vallabhbhai Patel, an Iron Man of India and one of the founding leaders of the Republic of India. The institute celebrates Ekta Diwas on 31st October. As a part of the programme, various competitions like essay writing on life story of Sardar Vallabhbhai Patel, What makes India United, elocution, quiz and painting are conducted. The programme helps in promoting patriotism.

Samvidhan Divas: 70th Samvidhan Divas or Constitution Day is celebrated at SRKIT on 26th November. Faculty and Students of the college read the preamble of Indian constitution. They take pledge to reiterate their allegiance to the nation. Competitions in debate on Indian Constitution are conducted in this regard.

National Mathematics Day: The nation celebrates 22nd December as National Mathematics Day to mark the birth anniversary the great Indian mathematician, Sri Srinivasa Ramanujan.

Apart from these days, the institution observes Martyrs' Day on 30th January to mark the death anniversary of father of Nation, Mahatma Gandhiji. A two minute silence is observed on the day as a mark of respect to those who laid their lives for future generations. International Yoga day and International Women's Day are also celebrated every year.

File Description	Document
Link for Geotagged photographs of some of the events	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:

Best Practice – 1

Title of the Practice: Teaching and Learning Process

Objectives of the Practice:

SRK Institute of Technology desires to impart appropriate knowledge, skill and training to enable the students become qualitative practitioners of their profession. Teaching and learning process is the focal point in the whole of educational activity. Changing face of education and rapid advancement of technology on one hand and changing perceptions among the millennial students as well as induction of new generation of teachers on the other hand, challenge the whole gamut of teaching learning process. The crux of this practice is to train the facilitators in better teaching learning processes for enhanced deliverance of learning.

The Context:

In the past few decades, there has been a paradigm shift in teaching methodologies. It has moved from teacher centric approach where the learner is a passive participant to student centric approach where a teacher is just a facilitator to student's learning. In addition, the massive advancement of science and technology coupled with the expectation from technology native millennial student generation, has impacted and shaken the concept of teaching. Often, those joining the teaching community recently are also of millennial generation. In this context, it is imperative that the teachers are trained appropriately to carry forward the teaching learning process in an effective and smooth way. The shift in generational outlook, that is, the young tech savvy brigade joining the ranks of teaching and older generation teachers who need to become more versed with technology, can be achieved only through timely and interventional training.

The Practice:

Since its inception, SRKIT has taken measures to ensure that teachers are adequately trained in the teaching methodologies. In this regard, faculty development programmes for teacher training are continuously conducted; the resource persons for these programmes may be from national teacher training organisations or the senior faculty members within the campus. Sometimes, teachers are given an opportunity to attend such programmes outside the campus.

At SRKIT, newly recruited faculty members having less than two years teaching experience are given orientation by the senior professors. During the orientation programme, the participants are given an opportunity to have practice teaching sessions along with teaching methodologies. All new members are encouraged to observe and be a part of classroom proceedings of senior faculty classes.

In 2016, the institution has organised a teacher training programme along with the National Institution of Technical Teachers Training and Research (NITTTR) Chennai. Many faculty members, especially newly recruited, attended the programme. The feedback on the programme suggests that the training session was productive in terms of supporting teachers understanding their perceptions of class room teaching, methods of assessment and evaluation.

The institution became a consortium member of IUCEE (Indo Universal Collaboration for Engineering Education) in 2018. Faculty became the members of IUCEE TLC Cluster Team. Inspired by IUCEE Leadership Summit held at Goa in 2019, a Teaching Learning Centre was established in 2019 for the purpose of giving inputs regarding teaching learning process. As a consortium member, the faculty got a chance to attend a series of webinars for self awareness and upgradation in all disciplines.

A week long faculty development programme was conducted as a part of Teaching Learning centre initiative with IUCEE collaboration. Dr. Claire F. Komives, Professor of Chemical Engineering, San Jose University, USA, was the resource person for the FDP on “Effective Teaching Learning” held from 14th Oct to 18th Oct 2019. In this FDP, the faculty were introduced to many concepts of teaching like team teaching, flipped class room, blended classroom, designing tasks, reflective practice, collaborative learning, assessment methods using Bloom’s Taxonomy and technology enabled teaching learning methodology.

Similarly, many faculty members were encouraged to enrol in AICTE-NITTTR Module 5 ‘Technology enabled learning and lifelong self learning’ during COVID break in March-April 2020. This course was pretty useful for both inexperienced and experienced faculty as the module focussed on the teaching methods using available technical resources.

Evidences of Success:

The faculty with less than two years experience become more confident in handling the classes. The perspective shift from that of a student to a faculty is visible as most often, the newly joined faculty are also millennial. They are tech savvy but their outlook towards teaching is not a very informed one.

The lockdown during pandemic was a game changer. The above initiatives helped the faculty to adopt online teaching in no time during the pandemic. The faculty became versatile in implementing active teaching learning methodologies using the technology. The awareness ignited the adaptability and explorative nature of the faculty that was evident in the successful implementation of online teaching learning.

The reluctance to use technology or collaborative teaching methods among the seniors has slowly given way to a more positive acceptance. They are implementing quiz, peer teaching, group or team learning and flipped classroom methods. Blended classroom has been a boon in the post COVID situation. Classes were conducted in both online and offline format.

Problems encountered:

1. In flipped class room, students may not make any advance preparation. They may skip the pre task thereby attending the class with zero prior knowledge leading to ineffectual learning.
2. Use of technology in blended learning can be counterproductive as it can cause cognitive overload on the learners due to overuse of digital media.
4. The faculty who are not adept in IT literacy may not be enthusiastic in adopting technology.
5. The faculty may not be able to keep pace with the student's learning who has advance knowledge of the topics.
6. All students may not have suitable access to technology or internet bandwidth. It may lead to digital divide among the students.

However, we cannot undermine the fundamental chalk and talk method. SRKIT tries to maintain a fine balance between the old and new versions of teaching learning process.

Best Practice – 2

Title of the Practice: Academia and Industry Collaborative Activities

Objectives of the Practice:

SRK Institute of Technology believes providing its students every chance to progress beyond the traditional curriculum, to augment their learning experiences and enhance their career opportunities and choices. Upon completion, the graduate will possess specific skills and competencies needed to work as a trained industry ready professional. The objective behind this practice is to provide an additional learning opportunity to all the students within the four year graduation programme time at a very affordable price. The institution thus tries to fulfil its core value of 'Promoting Collaborative and Self Learning'.

The Context:

All engineering students hope to land a dream job on completion of the programme. But curriculum syllabus may not suffice for reaching the goal. In this context, the institution has taken an initiative to provide additional certification or training courses and prepare the students to be industry ready endowed with right attributes of an engineer. SRKIT has entered into agreement with central and state government supported skill development organizations, companies and academic institutions for implementing skill enhancement and certification programmes. The institution has a tie up with the specific related programmes which are open to students of all the disciplines. The students, thus, are given an opportunity to build awareness and pursue interdisciplinary programmes after the completion of the course or internships. The students can also save time as many of the programmes are fast paced. In case of online programmes, students can pursue the courses at their own pace.

The Practice:

The institution has inked MoUs with ARK Info Solutions and CADD Centre Training Services for training programme for students and faculty.

The institution has number of agreements with many reputed national and international organisations like Microsoft, Cisco Network Academy, Redhat Academy for skill development programmes among faculty and students. The institute has agreement with Bennet University for training the students in add on programmes and internship. ICT Academy, Tamil Nadu, in collaboration with the institute is responsible for conducting many training programmes for faculty. The department has tie up with Palo Alto network Academy, the global leaders in cyber security, AWS Academy that prepares students in industry recognised certification and careers in the cloud, Bluprism Academy for Robotic Process Automation courses.

The institution has entered into agreement with government organisation like BSNL, UTL Technologies (Ministry of Skill Development and Entrepreneurship (MSDE) and private organisations like M/S Microlink Peripheral Controls (P) Ltd, Vijayawada, Apply VOLT, Microchip Academic Program Regional Training Centre, Axelta Systems Pvt. Ltd.

The institution has entered into pact with prestigious companies like Siemens Industry Software India Private Ltd and Jytra Engineering Services, ARK Info Solutions, Gc Gems- Gc German Center for Engineering and Management Studies Ug Achen and Europeon Center for Mechatronics Apsgmbh Aachen and DASSAULT Systems for training students and faculty in advanced courses.

The institution has also worked with organisations like Acharya Educational Services, Bangalore, for promoting communication skills development among the student and faculty.

The institution has agreements with Artha Financial Professionals Guru, Wright Tech Software Solutions Pvt. Ltd. for additional professional training. It has agreements with Manoj Vaibhav Jewellers Pvt. Ltd., Raki Avenues Pvt. Ltd., Indiraa Foods, Sri Lakshmi Ganapathi Engg. Works and Sai Swarna Hyundai for student internships.

Apart from these collaboration activities, the institution encourages online learning. Our institution is a local chapter for NPTEL courses promoted by AICTE. During the recent pandemic, the institution had a tie up with L4G Solutions Pvt. Ltd. This initiative has given an opportunity to both students and faculty to pursue many online courses.

Also, the institution has Andhra Pradesh State Skill Development Corporation (APSSDC) CM Excellence centre. APSSDC is a state initiative for providing high quality skilled manpower as part of the 'Knowledge and Skills Mission' of Govt. of AP.

Evidences of Success:

The initiatives taken up to promote additional certification courses or internship have been quite successful. To name a few, more than 60 students were certified in Palo Alto Networks Academy programme. Around 600 students and faculty were benefitted through NPTEL courses. More than 1500 certifications were received from Cisco network Academy. Substantial number of students took certification courses offered by Microsoft.

The institution could promote online learning through its tie up with L4G Solutions Pvt. Ltd. A huge number of Coursera certification courses (4322) offered by American universities were completed.

Under UTL Technologies, one of India's highly appreciated and widely recognized high-end training

organization; more than 150 students were beneficiaries. Same way, many ECE students did internship in the government organisation like BSNL, South Central Railways, and BHEL.

The students who have undertaken the courses could perform well at their interviews in their technical rounds. Many alumni felt that these job oriented certification courses enhanced their performance in domain areas at their workplaces also.

The institution has taken the clarion call given by the government to skill the youth of India in latest technologies that would promote their career graph and enable them to venture into new horizons.

Problems encountered:

1. Conducting the programmes which are interwoven with the university syllabus is difficult to implement as it would require lot of readjustments and rescheduling of class as well as individual time tables.
2. Students may feel daunted by additional certification programmes. The students have to pursue the programme courses. Student may find it difficult to cope with the additional course work.
3. The academic calendar is normally fixed. But in unforeseen circumstances, the examination schedule is rescheduled. In such cases, the programme schedule might interfere with examination schedules.
4. Additional online programmes can be pursued by the students in the comfort of their homes. However, some students may not have access to internet or suitable bandwidth for pursuing the courses at home.

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:

Title: Continuous Capacity Building Programmes

“Since we live in an age of innovation, a practical education must prepare a man for work that does not yet exist and cannot yet be clearly defined.” – Peter F. Drucker

Since its inception, SRK Institution of Technology has always been in the forefront in adopting latest technologies in academia industry collaborative activities. The institution is always guided by the vision of its founding Chairman, Sri B.S. Appa Rao who himself is an engineer (graduated in Mechanical

engineering in 1959) with modern outlook. He strongly believes in capacity building beyond the curriculum. Rapid advances in technologies may not be incorporated in the curriculum as it is devised for four years. Unlike in olden times, four years can sometimes be a long period in the progress of the technology and student may miss the chance to learn or master it. It is essential to meld the latest knowledge in the fabric of existing curriculum.

In its early years, the institution entered into an agreement with HCL K2 Academy. Soon after, in 2013, the institution entered into an agreement with Microsoft Ed-vantage Programme. Under this scheme, each student could enroll in three or four certification programmes. In all, 2000 certifications were undertaken by the students of the institution. In order to meet the huge demand to take the Microsoft and other global certification tests, Certiport and Pearson Vue Test centre were established.

The institution partnered with Andhra Pradesh State Skill Development Cell (APSSDC) in 2013. Students and faculty were trained in Android App when the android OS caught the world by storm. Many projects on android, data science and artificial intelligence were carried out by the students by the assistance of APSSDC. The institution has CM Skills Excellence Centre, Dessault Centre and faculty exchange programme with European Centre for Mechtronics (ECM) - Convergence Training Centre, Aachen, Germany

In 2016, Dell EMC Academic Excellence centre was established which the first of its kind in Andhra Pradesh. Nearly 100 faculty and students were trained in Data Sciences. The institution is a zonal partner for Bennett university leadingindia.ai project. So far, five faculty members have been trained as trainers in Artificial Intelligence and they can make use of resources for research activities at university. Cisco Net Academy entered into a partnership with institution in 2018 to train faculty and students in CCNA and Cisco DevNet and many other programming courses. Such capacity building programmes are enabling students to be shortlisted during the campus interviews and four of them were selected in MNCs in high salary category, that is, fourteen lakhs per annum.

Another feather in the institution's cap was the faculty exchange programme at European Centre for Mechtronics (ECM) - Convergence Training Centre, Aachen, Germany from 15th to 24th April 2019. The institution being a partner with APSSDC had an agreement with ECM-Convergence Training Centre for a ten- day advanced robot control faculty development workshop.

ARC Training Programs are designed in collaboration with leading German Universities and Industrial Research experts. The practical courses of ARC allow the students to access simulate and control real industrial robots. ARC platform integrates ABB Robot Technology, Computer- Server infrastructure a Robot Studio environment and webcams for Live Streaming. Powerful tools built by special software enable the students to control the robots. The Program ARC- I deal with industrial robot application, motion control, robot programming, distance sensing with SICK Laser sensor and in layout planning and simulation with Robot Studio. Two of the institute faculty were selected for faculty exchange programme. They underwent both online, offline and onsite training at the Laboratories in APS ECM, Aachen.

The institution tries its best to provide state of art resources. One of the pet projects of the institutions is establishment of highly sophisticated Computer Integrated manufacturing set up (CIM) lab at a whopping cost of 80 Lakhs INR. It consists of the production line starting from raw material to the assembly parts with the inspection also. The machines in the lab are Flex Turn, Flex Mill, 6 Axis Robotic Arm, Assembly Station, Inspection System, Automatic Storage and Retrieval System. 6- Axis Robotic Arm is used for picking up and placing objects. The students are trained in add on programmes in CIM lab by using

SIEMENS software build in these machines. Dessault syteme lab has also been established for training students in 3D Design and Engineering Software.

Many students were trained in AutoCAD in collaboration with ARK Info Solutions, APSSDC Autodesk in 2016-17 and 2018-19 respectively. STAAD PRO Revit Architecture, Building Estimation & Costing and Architectural Modeling using Revit certification programmes were offered by CAAD Centre and APPSDC respectively.

The institution has collaborative learning experiences with government organizations like BSNL, All India Radio in form of internships. Students were also taken on field visits to Radar Station, AIR, Doordarshan and Micro wave Stations. The also went to field trips to Polavaram and Nagarjuna Sagar.

The institution partners with Artha Financial Professionals and Guru Wright Tech Software Solutions Pvt. Ltd. for additional professional training for training management students. It has agreements with Manoj Vaibhav Jewellers Pvt. Ltd., Raki Avenues Pvt. Ltd., Indiraa Foods, Sri Lakshmi Ganapathi Engg. Works and Sai Swarna Hyundai for Business Administration student internships.

The institution also believes in holistic development of the students. Students are trained in language and communication skills from the first year onwards. Regular training programmes for campus placements are conducted from third year onwards. Company specific training programmes are organized. Technical and non technical skills are imparted in a systematic pattern. The institution partners with Talentio Solutions India Pvt. Ltd for both technical and non technical trainings. The institution partners with E-Box for training students for technical aspect.

The institutional distinctiveness lies in its continuous and relentless capacity building initiatives. The institution strives to do its best in equipping the graduates with appropriate skill sets that would enable them to build their profile and earn viable employment.

File Description	Document
Link for appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

NPTEL/SWAYAM: The institution is local chapter for NPTEL / SWAYAM.

Test Centre: The institution has TCS iON and Pearson VUE Test Centers for conduction of competitive exams and online certification tests.

APITA: The institution has an association with Andhra Pradesh Information Technology Academy (APITA) for conducting career oriented training programmes like Labview, a software developed by National Instrument (NI). The institution has received an Appreciation award for conducting Government pool drive.

Exalta: The company has sponsored Arduino (an open source electronic prototyping platform) boards along with sensor devices in order to conduct workshops and projects for students.

Texas Instruments: The institute received twenty TIVA C series TM4C123G LaunchPad Eval kits and twenty TIVA LaunchPad (EK-TM4CGXL) kits as compliment for developing the innovative projects using the kits and participating in national wide competitions. The company also sponsored ASLK Pro for Analog System Design under TI University programme.

CII: The institution has Confederation of Indian Industry (CII) membership.

CSI: The institution has CSI (Computer Society of India) Student Chapter.

DXC Women Empowerment: The institution has recently initiated DXC Women Empowerment Programme for 100 pre-final girl students to be trained in emerging technology, Data Science and Analytics.

Consultancy Services: The organization provides consultancy services for both government and private parties in Geotechnical, Structural and other Civil services.

Geo Technical Consultancies are offered in classification and index properties of soil samples, compaction test, UCS test, CBR test, direct shear test, suitability of existing soils for bank formation, back filling and type of foundation.

Structural consultancies like compressive strength test on cubes, bricks using CTM, UTM, Torsion and tensile strength on steel bars is offered.

Alumni as Entrepreneurs: Alumni have successfully established companies and are willing to offer jobs to SRKIT students.

Faculty Registered for Ph.D: Thirty faculty members have registered for Ph.D in various universities. They are working towards attaining their doctorate degree and publishing their research work in reputed journals.

Spot Valuation Centre: The institution is chosen as distribution and collection centre. It is also chosen as Spot Evaluation centre for the University.

Concluding Remarks :

The institution relentlessly endeavors to provide qualitative and value added education for holistic development of graduates endowed with lifelong learning skills at professional and personal level.

The institute recognizes the need for accreditations from various bodies. The organization hopes to become an autonomous institute with NBA accreditation for further enhancement. The college hopes to offer more advanced technical and socially relevant inter and multi disciplinary courses for improving the career prospects of students. The college aspires to get funds and grants for research. R& D cell which is a little passive needs to be activated by providing incentives to faculty and students.

The institution has all the statutory committees such as Governing Body, Academic Council, Boards of Studies, Finance committee and other non-statutory committees that take care of policy decisions related to academic and non-academic activities and their implementation. IQAC has been contributing significantly to sustain and enhance the quality in all respects of the institution functioning. The faculty and staff are governed by the service rules of the institution in line with the regulatory bodies.

The Training and Placement cell imparts necessary training for the students and assists them in securing placements. The institution hopes to take up many more initiatives for students' progression towards higher education. It also hopes to take many more initiatives for sensitizing the students in environmental consciousness and gender issues.