SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT AND GRAMOTHAN

RAMNAGARIA, JAGATPURA
302017
https://www.skit.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The institute inspired from the learnings of Swami Keshvanand. was established in the year 2000 by Technocrats and Managers Society for Advanced Learning. The institute is now a preamble of academic excellence in Northern India. The Institute is affiliated to Rajasthan Technical University, Kota for offering Postgraduate and Graduate Courses in Engineering and Management. Most of the UG programmes have been accredited and reaccredited by the National Board of Accreditation (NBA) since 2009 and also by Institution of Engineers (INDIA). The Institute has been ranked No. 1 consecutively for the last five years (2017-18, 2018-19, 2019-20, 2020-21 & 2021-22) among all the technical institutes affiliated with Rajasthan Technical University, KOTA. The Institute has well qualified, experienced and dedicated teaching & supporting technical staff with a high retention ratio. Faculty and other staff members are regularly appreciated for their efforts in teaching & research by awarding and promoting them to higher positions through Career Advancement Scheme (CAS). A large number of students get placed in reputed companies while they are in the final year of their degree course.

The institute has received many accolades in 21 years of its inception. Two of the centres for Transportation Engineering and Internet of Things (IoT) are recognized as centers of excellence by Rajasthan Technical University (RTU), Kota recently. RTU has also recognized research centres in five departments (CSE/ECE/EE/ME/MS) for doctoral programmes. Institute has secured top ranking in various segments by CSR Magazine, Outlook Magazine, First India and Careers 360 portal. SKIT has been recognized and awarded twice by Swayam-NPTEL on the basis of performance of faculty members and students. Institute is also a Recognized Swacch Bharat Action Plan Institution declared by the Department of Higher Education, MHRD, Government of India in 2019. The students chapters and clubs run by the institute have received awards by Indian Concrete Institute, Jaipur Blood Bank, Rungta Hospital and awards in multiple segments by Toastmasters International.

With a remarkable infrastructure, lush green campus and the vibrant pursuit of knowledge by the young aspirants, SKIT is putting in every effort for making industry ready engineers and managers.

Vision

To promote higher learning in advanced technology and industrial research to make our country a global player

Mission

To promote quality education, training and research in the field of Engineering by establishing effective interface with industry and to encourage faculty to undertake industry sponsored projects for student

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. The Institute has been ranked No. 1 in engineering programme consecutively for the last five years among all technical Institutes affiliated with Rajasthan Technical University.
2. It has qualified, experienced and dedicated teaching faculty with high retention ratio.
3. Most of its U.G. programmes have been accredited and reaccredited by National Board of Accreditation (NBA) since 2009 and also by the Institution of Engineers (India).
4. The Laboratories are equipped with latest and the state of art equipment and licensed software.
5. Its learning resource center has excellent collection of latest technical, and other general books research journals. It is a member of DELNET.
6. It has collaboration with Institute of the region namely MNIT, RTU and leading national Institutes such as IIT Delhi, IIT Bombay and IIT Madras.
7. The institute campus is total green with total 900 kW solar power generation, rain water harvesting system, rain water storing system and used water recycling system.
8. It has excellent outdoor and indoor sports facilities such as tennis, basketball, volleyball, cricket, football, table tennis and badminton.
9. The Institute regularly organize seminars, conferences, workshops, webinars, FDPs, STTPs and expert lectures at international and national level.
10. The Institute conducts more than twenty hobby clubs and local chapters of professional societies for overall development of students.
11. Training is arranged for students to sharpen their soft skills, communication skills and other skills required for placements in reputed organizations.
12. The Institute has excellent placement records.
13. The Institute has state of art auditorium, seminar halls, and three audio-video studios for recording lectures for the benefit of the students.
14. The Institute publishes SKIT Research Journal bi-annually and SKIT Times quarterly.
15. The Institute has incorporated mentor – mentee system, batch counselor system for providing guidance to the students.
16. The Institute has been ranked AA by SWAYAM-NPTEL at all India level based on the performance of faculty and students in on-line certification of courses.
17. The policies pursued by the management are fair, supportive, and transparent.
18. Being in the state capital it has good connectivity with the rest of the country and world.

Institutional Weakness

1. More collaborations with Institutes / universities at the national/international level for faculty / student exchange are needed for academic / research purpose.
2. A greater focus on innovative research, consultancy projects and filing of patents needs expedition.
3. More efforts are needed to promote entrepreneurship among students.
4. Although placement record of the Institute is good but efforts should be increased for enhancing the placement of students in the core industries.
5. Efforts are needed to bridge the gap between university curriculum and the current requirements of the industries.
6. Fee structure is decided by the state government and is very low due to which seventh pay commission pay grades can't be implemented.

Institutional Opportunity

1. Tie-up with reputed organizations like IITs and foreign Universities.
2. Increased demand for engineers in the widely growing industries.
3. Scope for interdisciplinary and sponsored projects.
4. More R & D Projects with industry collaborations.
5. Employability through vocational courses, start-up for vocal for local, Atmanirbhar Bharat.
6. Introduction to new courses to match industry requirement through incorporating flexible curriculum.
7. Fortification of Entrepreneurship Development activities.
8. A plethora of opportunities are available for self-learning and skill development courses available on SWYAM-NPTEL and other platforms.
9. Due to improved and innovative on-line techniques during COVID-19 pandemic it is now possible to have connectivity with leading professionals world over.
10. A large number of opportunities are available due the policy of the Central / State Govt. to make New India self-reliant.
11. Being located in the state capital it has good entrepreneurship and placement opportunities for its students.

Institutional Challenge

1. The fast-changing world with cutting edge technologies.
2. Strengthen Industry-Institute Interaction.
3. More placements in core companies.
4. Encouraging students for higher studies and research.
5. Non-availability of sufficient fund for R&D due to poor government fee structure.
6. Regular update in knowledge is required due to rapid changes in existing technologies and evolving of new technologies.
7. Due to COVID 19 pandemic the work culture in industries has changed drastically.
8. Due to pandemic a large number of MSMEs in the state and also in the country closed down causing reduction in opportunities for placement of students.
9. Being an affiliated Institute, it has very little flexibility in its curriculum.
10. Being a self-financing Institute, it has no financial support from the state govt.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Curricular aspects of courses in engineering and management at SKIT, Jaipur are governed by the ordinances of its affiliating university. The Rajasthan Technical University keeps a watch on courses, pedagogy and infrastructure and update them from time to time to be responsive to ever changing needs. Choice Based Credit System/Elective Course System has been implemented in all the UG & PG programmes.

Teaching load is assigned to faculty members as per their expertise and interest. Subject wise course files are prepared containing course scheme, syllabus, course plan & coverage, CO-PO-PSO mapping, tutorial & assignment sheets, last year question papers, notes etc. In Academic & Management Council (AMC) meetings, the review of academic progress is carried out. Institute & each academic department prepare own activity

calendar in the beginning of each semester.

Teachers participate in various activities related to curriculum development and assessment of not only affiliating university but other universities also. Their expertise helps the institution to evolve responsive teaching pedagogies.

The institute conducts a range of value-added courses, conferences/ seminars/ workshops/ expert lectures/ short-term add-on programs for self-development and professional skill enhancement of students.

The parent university has mandated to earn 20 credits through add-on courses: MOOCs preferably from designated platforms (viz. SWAYAM-NPTEL, mooKIT, ITTBX) for obtaining honors division in engineering programs. To support this mandate, institute has created a mentor-mentee system. This system monitors the performance of enrolled students and extends supports to them in terms of discussions and problem solving sessions. During the last five years, 423 add-on courses were facilitated by the institute which had enrollment of more than 67% students.

It is must for students to take up internships in various organizations. The average percentage of courses that include experiential learning through project work/field work/ internship during last five years is approximately 77.27% & students undertaking project work/field work/internship in last completed academic year is approximately 71.72%. The feedback from all the stakeholders is collected and analyzed by the committees both at departmental and central level.

Teaching-learning and Evaluation

The institute strives to create an appropriate learning environment for students with special needs. Average enrolment percentage of last five years is approximately 88.27%. Institute assesses the learning levels of the students and as per their performance, special programmes are organized like remedial classes for slow learners and GATE classes, soft skills training, CRT etc for advance learners.

There is an incubation centre that encourages students to think critically and to work on new projects. SKIT houses a pool of well qualified and experienced faculty members. Student-teacher ratio for the latest completed academic year is 16:1 and approximately 26 students are assigned to each mentor. There are numerous extension activities for the students to ensure experiential, participative and problem solving learning to make them jewels of society.

Average percentage of full time teachers against sanctioned posts during the last five years is 107.4%. Average percentage of full time teachers with Ph.D. during the last five years considering only highest degree for count is approximately 25.85% and average teaching experience of full time teachers in the same institution for the latest completed academic year is 8.66 years. Average pass percentage of students during last five years is 94.98%.

Continuous Internal Evaluation (CIE) is done periodically with absolute transparency and fairness. Every department has well defined Vision & Mission, COs, POs, and PSOs. The Program Outcomes and Program Specific Outcomes are assessed with the help of Course Outcomes of the relevant courses through direct and indirect methods.

Research, Innovations and Extension

SKIT focuses on its research-based innovative outreach activities which is an indispensable part of UG and PG curricula. Every year hundreds of students complete their B. Tech, M. Tech. and MBA Degree. The faculty and students are motivated to garner research achievements in the form of publication and patents. Grants received from government/non-government agencies for research projects/ endowments during the last five years is 161.19 (INR in Lakhs). More than10% of teachers are recognized as research guides in research centres of RTU. Almost each department has contributed in fetching grants from government/non-government agencies.

The institute's philosophy is to keep organizing faculty enrichment programmes, seminars, symposiums, special lectures and workshops to enable them to update knowledge of their students and themselves. Total 146 seminars/conferences/workshops have been conducted by the Institution in last five years.

SKIT has been publishing its own research journal since 2011 to encourage students and faculty to get seriously involved in the research and development activities. The average number of research papers is 2.87 per teacher during last five years and average number of book chapters in edited volumes/books, conference proceedings published during last five year is 1.06 .

The institute organizes multifarious extension activities in the neighborhood community and in the institute premises to benefit the society at large and develop a tendency among students to improve the quality of life in the surroundings. The institute has received 53 awards for innovation and community outreach in the last five years. Seventy two extension and outreach programmes have been conducted during last five years in which nearly 60% students have participated at different levels. The institute conducts number of collaborative activities every year.

Infrastructure and Learning Resources

The institute has world class infrastructure having three **academic and one administrative blocks.** Each academic block houses airy lecture theaters and laboratories. The institute has a world class Auditorium, four Seminar halls and two Amphitheatres, where variety of programmes are being conducted. The Institute has a Techno Incubation centre "Srijan" where students can work on their start ups, projects etc. with no time limit.

The institute has created three state of the art lecture recording studios, where faculty members record their subject specific lectures. More than 55% classrooms and seminar halls are equipped with ICT enabled facilities. The institute provides hostel facility for both boys and girls students separately.

The institute offers separate outdoor sports grounds for basketball, cricket, volleyball, football, badminton, tennis etc. In 2018, an open gym was dedicated to persons residing in the vicinity of the institute. Gym facility is also available in boys as well as girls hostels.

Approximately 6.94% of expenditure excluding salary has been utilized for infrastructure augmentation during last five years. Institute's Central Library has a rich collection of books, journals and e-resources. The institute library is fully automated with all its subsystems. Average annual expenditure for the purchase of books/e-books and subscription for journals/e-journals during last five years is approximately 14.35 (INR in Lakhs) and percentage per day usage of library by teachers and students is 10.81%.

Almost all public and learning areas within the campus have reasonable Internet coverage. The institute has

sufficient number of computers with a student computer ratio of 3:1 and bandwidth of internet connection in the institution is 1 Gbps. About 50% of expenditure excluding salary has been utilized on maintenance of infrastructure with a well established systems and procedures.

Student Support and Progression

Nearly 29% students have been benifited by scholarship and freeships provided by the government/non-government agencies during last five years. The institute offers Book bank facilities for SC/ ST/ BPL students to borrow books apart from the regular books issued to students by the library which they can retain for the complete semester.

To groom the students and prepare them for group discussions, debates etc. the institute has developed two well-equipped Language Labs. The institute arranges personality and soft skills classes, GATE classes, career guidance for competitive examination & MOOCs and NPTEL courses. More than 85% students have been benefited by guidance for competitive examinations and career counseling during last five years.

The Institute has been ranked AA for last two consecutive years (2019, 2020) by NPTEL. The Institute has secured the third position in Special Category Certificate (Best Faculty Performance) among the top 100 rated local chapters by NPTEL. During last five years nearly 44% of outgoing students have been placed. 187 awards /medals are won by students for outstanding performance in sports/cultural/technical activities at various levels. The project laboratories and central library remains open for extended hours as per the need of the students.

The institute has appointed a full time sports teacher to train the students for multifarious sports facilities available on the campus. Students have participated in more than 210 sports and cultural events/competitions during last five years.

Yoga session is conducted in the beginning of every academic session during the induction programme. *International Yoga Day* (21stJune) is also celebrated in the institute every year.

Various intra and inter-institute platforms are provided to the students through a number of technical and non-technicals clubs to showcase a wide array of extra-curricular activities. The institute also has an online/offline grievance redressal system which includes specialized cells such as ICC (Women Grievance Cell), Anti Ragging Squad and CBDP (SC/ST/OBC) Committee.

The institute has a registered alumni association and the alumni work closely with the students and the departments to provide regular guidance and mentorship. The Institute conducts Alumni Meet every year in order to strengthen the alumni network.

Governance, Leadership and Management

The institute's leadership thrives to maintain an open and interactive environment in a bid to fulfill its mission. The staff and administration work zealously to comprehend and articulate rapid changes in the academic structure and functioning of the university.

The institute promotes a culture of decentralized and participative management.The institute has a strategic plan about the academic development, infrastructure of the institute, sports & extra curriculum activities etc. The

institute has implemented e-governance (ERP) in all areas of operation like administration, finance, examination and areas related with faculty members and students to maximize efficacy and transparency. The institute has constituted proper faculty and staff centric policies to give them enough motivation and encouragement to get involved in the development of academic ambience of the institute.

The institute has a PDA policy for providing financial support to faculty members for attending conferences/workshops, undergoing MOOCs courses, publishing patents etc. In last five years nearly 13% of faculty members have been benifited with financial support. For non-teaching staff members and specific programmes are being conducted for their personal development. Total 185 professional development/administrative training programme have been organized by the institute in last five years with an average of 37 per year. Nearly 40% of teachers have attended online/face-to-face FDP on professional development programme, orientation/ induction programme, refresher and short term course. The institute has a fair and transparent appraisal system for all teaching and non-teaching staff. The institute conducts regular audit and prepares an annual budget estimate in consultation with all departments, Director, and Governing body.

The development of students and faculty remains at the core of this institute's philosophy. This philosophy has led to the establishment of Program Assessment and Quality Improvement Cell (PAQIC). Departmental PAQIC conducts an academic audit of the respective department. All the academic and administrative decisions are made in Academic & Management Council (AMC). IQAC has been established in the academic year 2020-21 as per the need for NAAC accreditation.

Institutional Values and Best Practices

SKIT has been consistently striving to display the best institutional values and practices. The institute promotes gender equity and sensitivity through various gender equity promotion programmes. Environmental consciousness has been an integral component of the institute's activities.

The institute has taken several steps like installation of 900kW solar PV plant, rain harvesting system, water recycling system (Sewage Treatment Plant) etc. to make campus eco-friendly, environmentally sustainable and a true "Green Campus". The Institute has adopted a village to bring constructive changes in the life of the villagers about educational and social issues. The programme is executed under the aegis of SKIT NSS Unit.

The Institute has established management of degradable and non-degradable waste. The Institute has developed rain water harvesting system, water tanks, waste water recycling system and also water distribution system in the campus. The institute conducts quality audits on environment and energy regularly. Institute has received Rajasthan Energy Conservation Award by Rajasthan Renewable Energy Corporation Limited, Government of Rajasthan. The institute has created a disabled-friendly barrier free environment by providing lift, ramps, wheelchair, and washrooms at various nooks and corners for easy access for Divyangjan.

Blood Donation Camp and other social activities like teaching under privileged students, Nukkad Natak, Health Checkup camps in nearby places etc. are also undertaken by the institute. Students and all staff members are encouraged to participate and organize such activities. A special activity "Bhagirath" is organized every year in which the under privileged students are encouraged to present their technical &non-technical skills. The Institute has prescribed core values, code of conduct for different stakeholders which are available on the institute's website.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT AND GRAMOTHAN
Address	Ramnagaria, Jagatpura
City	Jaipur
State	Rajasthan
Pin	302017
Website	https://www.skit.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Ramesh Kumar Pachar	0141-3500300	9414361980	0141-2759555	info@skit.ac.in
IQAC / CIQA coordinator	Anil Chaudhary	0141-3500300	9829133780	0141-2759555	iqac@skit.ac.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	

Date of establishment of the college	13-07-2000

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

State	University name	Document
Rajasthan	Rajasthan Technical University	[View Document](#)

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	27-07-2017	[View Document](#)
12B of UGC		

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	[View Document](#)	15-06-2020	12	Yearly Approval

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?	Yes
If yes, name of the agency	Rajasthan Technical University Kota
Date of recognition	26-01-2018

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	Ramnagaria, Jagatpura	Urban	13.2	53016.4

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,Mechanical Engineering	48	XII PASSED	English	180	32
UG	BTech,Information Technology	48	XII PASSED	English	120	120
UG	BTech,Electrical Engineering	48	XII PASSED	English	180	84
UG	BTech,Electronics And Communication Engineering	48	XII PASSED	English	120	76
UG	BTech,Computer Science And Engineering	48	XII PASSED	English	120	117
UG	BTech,Computer Science And Engineering	48	XII PASSED	English	240	240
UG	BTech,Civil Engineering	48	XII PASSED	English	120	102
PG	Mtech,Mechanical Engineering	24	B.TECH.	English	9	2

PG	Mtech,Mechanical Engineering	24	B.TECH.	English	18	1
PG	Mtech,Electrical Engineering	24	B.TECH.	English	18	0
PG	Mtech,Electronics And Communication Engineering	24	B.TECH.	English	9	1
PG	Mtech,Electronics And Communication Engineering	24	B.TECH.	English	18	1
PG	Mtech,Computer Science And Engineering	24	B.TECH.	English	18	4
PG	Mtech,Civil Engineering	24	B.TECH.	English	18	5
PG	MBA,Management Studies	24	B.TECH.	English	60	0
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	36	M.TECH.	English	14	0
Doctoral (Ph.D)	PhD or DPhil,Electrical Engineering	36	M.TECH.	English	3	0
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	36	M.TECH.	English	12	0
Doctoral (Ph.D)	PhD or DPhil,Computer Science And Engineering	36	M.TECH.	English	7	0

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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				29				73				145
Recruited	22	7	0	29	42	31	0	73	96	49	0	145
Yet to Recruit				0				0				0

	Non-Teaching Staff			
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				79
Recruited	69	10	0	79
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				76
Recruited	68	8	0	76
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD	0	0	0	0	0	0	0	0	0	0
Ph.D.	20	7	0	18	19	0	10	13	0	87
M.Phil.	0	0	0	0	0	0	2	0	0	2
PG	2	0	0	23	12	0	84	36	0	157

Temporary Teachers									
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD	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 Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD	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	0

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	2771	313	0	0	3084
	Female	665	57	0	0	722
	Others	0	0	0	0	0
PG	Male	34	4	0	0	38
	Female	44	7	0	0	51
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

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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	40	37	54	38
	Female	7	5	6	5
	Others	0	0	0	0
ST	Male	48	50	55	48
	Female	10	10	5	2
	Others	0	0	0	0
OBC	Male	227	217	202	156
	Female	36	36	19	23
	Others	0	0	0	0
General	Male	501	577	536	600
	Female	161	183	175	154
	Others	0	0	0	0
Others	Male	2	2	4	0
	Female	1	1	0	0
	Others	0	0	0	0
Total		1033	1118	1056	1026

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The institute is affiliated to Rajasthan Technical University, Kota and thus follows the curriculum prescribed by the parent university. The institute does not hold an autonomous status at present that allows the inclusion of programs and courses beyond the prescribed syllabi. However, the institute does align its vision with NEP for the holistic development of the learners through its own myriad ways. The institute offers various engineering programs that promote interdisciplinary interaction among students and faculty. The institute at present offers engineering programs in Computer Science, Information Technology, Electrical Engineering, Electronics and Communication Engineering,

	Mechanical Engineering and Civil Engineering. Along with engineering, the institute offers a program in MBA with four different specializations. The engineering streams have been provided with a few options by the parent university where a brief interface between humanities, environment, value based education and engineering takes place. To name a few, courses on disaster management, communication, soft skills, universal human values, managerial economics and more have been ingrained and regularly taught by the institute. The institute is competent enough with well qualified faculty to address the interface between engineering and humanities, provided the parent university gives the permission to run more such cases. In order to fill the aforementioned gaps, the institute organizes regular activities such as Blood Donation camps, Human Values projects and promotes various courses through NPTEL-Swayam MOOCs along with courses run by Coursera to facilitate the multidisciplinary approach towards teaching and learning process. It is pertinent to mention here that the institute runs special training programs run by Computer Science and IT departments for the learners and faculty of other departments. These training programs empower the learners of other streams with some quintessential knowledge required in the professional field. Similarly, clubs like Robotics Club and e-yantra are technology based clubs and are open to all learners across the streams. In order to promote more multidisciplinary research, the institute has been established as a research centre in engineering and management and has been assigned two Centers of Excellence by the parent university. In order to introduce the element of interdisciplinary nature of subjects as suggested in NEP, the parent university has introduce choice based elective subjects which are from disciplines other than their chosen discipline. Also the parent university has introduced a system of obtaining 20 credits through NPTEL SWYAM courses for getting their B.Tech degree in honours division. The students are required to obtain 10 credits from courses on Humanities, Management, Commerce and other streams of their choice.
2. Academic bank of credits (ABC):	The institute keeps a record of the credits earned by each and every student through NPTEL courses. It

	also encourages and help the students through mentors to earn 20 credits through MOOCs. So that they get their B.Tech degree in Honours division. As we do not hold autonomous status we are not in a position to consider the credits which can be earned by the students from other universities either in India or abroad.
3. Skill development:	The institute since its inception has been vocal about the importance of skill development and has been putting in multiple measures in this regard. The institute has a specific skill development cell that caters to technical and soft skills development of the students. The soft skills program is partially introduced by the parent university in one stream of engineering and thus to fill the gap, the institute trains all students for soft skills on a regular basis. The institute has had tie ups with multinational companies in this domain and regular faculty training with certifications have eased the process of transferring the required skill sets. The courses on soft skills have been assimilated in the regular timetable and have been assigned internal grading system to encourage participation. Apart from this; the parent university has introduced a credit based course on Universal Human Values which deals with inculcating value education among students. The institute also has an active Universal and Ethics committee to cater to the time tested values inherent in human beings. It is worth mentioning here that the institute functions within the periphery prescribed by the parent university but contributes to all aforesaid areas in its small but significant ways. Although the institute cannot hold a vocational center to train outsiders, The NSS club of the institute reaches out to the less privileged students of nearby village to train them for life skills and value education. This is also achieved through the human value projects conduced through the credit based course in the very first year of engineering.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The Indian knowledge system and culture essays a rich tradition that needs to be cherished with sustainable efforts. The institute despite the restricted privileges allowed by the parent university fosters the promotion of Indian culture and values by two significant clubs: SPIC MACAY Heritage Club and Ek Bharat Shresta Bharat. SPIC MACAY is a national society for promoting Indian art forms. The

	institute organizes regular events with SPIC MACAY to promote interest about the traditional and rich art forms in the budding technocrats. Some of the art forms may completely vanish if not given a sustained vision. Ek Bharat Shrest Bharat is also an endeavour to glorify the feeling of pride for unity in diversity and the unbroken national spirit. It works on the following objectives: • To celebrate the Unity in Diversity of our Nation and to maintain and strengthen the fabric of traditionally existing emotional bonds between the people of our Country. • To promote the spirit of national integration through a deep and structured engagement between all Indian States and Union Territories through a year-long planned engagement between States. • To showcase the rich heritage and culture, customs and traditions of either State for enabling people to understand and appreciate the diversity that is India, thus fostering a sense of common identity. • To establish long-term engagements and, to create an environment which promotes learning between states by sharing best practices and experiences.
5. Focus on Outcome based education (OBE):	The Institute has already adopted outcome based education (OBE) system as envisaged in NEP for evaluating performance, knowledge and skills of students through the attainment of POs, PSOs and COs . The faculty members provide a transparent path way for student success by writing clear and comprehensive COs as suggested by Bloom's Taxonomy. The COs are then mapped as the scale of 0 to 3, where 0 is used for no correlation and 3 is used for strong correlation. As a result of our continuous efforts towards OBE education system, the five engineering UG programmes are NBA accredited and re-accredited since 2009 and also by the institution of engineers (India). The Institute has five research centres of Parent University and two of our centres are awarded as "Centre of Excellence".
6. Distance education/online education:	With the onset of the pandemic, the concept of online education has strengthened its roots all across the globe. The institute has taken some of the pioneer steps in providing online education with the options of live and recorded lecture facility. The aim is to address the limited resources at the learner's end and the vision culminated in the establishment of three well equipped digital studios. The studios called as e-slate enables the learners to study at their convenient

	time and place. All the lectures for all curriculum based subjects are pre-recorded and made available at the digital library of the institute. The Institute in collaboration with IIT Delhi has introduced virtual laboratories in each and every department. The Institute has also developed some experiments for performing in virtual mode and these experiments have been uploaded on national platform.

Extended Profile

1 Program

1.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
545	564	551	533	538

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

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
16	14	13	13	13

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
4046	4101	4187	4112	4169

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

2020-21	2019-20	2018-19	2017-18	2016-17
464	443	386	312	364

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File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2020-21	2019-20	2018-19	2017-18	2016-17
980	1054	1027	910	970

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

2020-21	2019-20	2018-19	2017-18	2016-17
228	231	231	292	282

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
228	231	231	293	287

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

06-04-2022 04:34:04

Response: 75

4.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
780.14	973.59	973.15	912.33	1377.78

4.3

Number of Computers

Response: 1580

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

The institute is committed to impart the highest standards of curriculum delivery to the students through its well erudite and well trained academic staff ever since its inception in the year 2000. The Institute is affiliated to Rajasthan Technical University (RTU), Kota and follows the curriculum as provided by the University in all the academic programmes. For effective curriculum delivery, following initiatives are taken:

1. The curriculum is carefully crafted to support the syllabus contents and industrial/practical exposure to provide a congenial environment for academic excellence. The prime focus is maintained on efficacy of delivering methodologies.
2. Subjects are assigned to faculty members as per their expertise and interest.
3. Extra periods are planned for analytical subjects in addition to the period allocated by the scheme in regular time-table.
4. Meetings between senior faculty members and course instructors are conducted before the commencement of the semester to streamline the teaching learning process.
5. Subject wise course files are prepared which contains course scheme and syllabus, course plan & coverage, list of books required, CO-PO-PSO mapping, tutorial sheets mid-term & university question papers, assignments, subject notes and handouts etc. As per the need prerequisite courses are discussed.
6. To fill the gap between curriculum and industry needs, expert lectures of industry and academic experts are arranged on a regular basis.
7. Faculty frequently use ICT tools for effective and interesting lecture delivery using PPT's, video lectures etc.
8. During COVID pandemic, online teaching-learning methodology is implemented for curriculum delivery. The institute has taken subscription for Cisco Webex and Zoom in addition to the conventional platforms Google Meet for conduction of online classes.
9. Student attendance is monitored by an online attendance management system (ERP). Attendance defaulters are regularly counseled through their batch counsellors for improving their attendance.
10. In Academic & Management Council meetings, the review of academic progress, students' attendance, and syllabus completion status is discussed.
11. Academic activities beyond the curriculum are regularly planned. The activity calendar is prepared by each department in synchronization with the Institute's and RTU's academic calendar.
12. Institute follows a practice of conduction of Annual Internal Academic Audit to probe the effectiveness of teaching-learning methodologies and the necessary steps are taken to steer the desired changes whenever required.
13. Several activities like conferences, seminars, workshops, expert lectures, webinars, STTPs, FDPs etc are organized throughout the year to connect faculty and students with the latest ongoing trends and practices.

14. An institutional repository named D-Space is available for students which can be accessed through the Institute's website and via http://192.168.1.13:8080/xmlui/ from intranet. It has a collection of course files, assignments, sample question papers, lab manuals, etc.
15. Recorded lectures are available for students on ERP.

At SKIT, it is a deeply felt and practiced aim of the management & administration to create technocrats and managers who are champions in every walk of life.

File Description	Document	
Link for Additional information	[View Document](#)	

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

Response:

1. In the beginning of each semester, the institute prepares its own academic calendar with reference to the parent university (RTU) calendar.
2. Departments prepare their own academic calendar by including departmental activities in it.
3. Academic Calendar is displayed on departmental notice boards, institute website and at other strategic locations.
4. The tentative schedule of all mid & end term theory and practical examinations, practical training, seminar, project submission deadline etc. is mentioned in the academic calendar.
5. In the beginning, the course teachers announce the syllabus for different internal assessment. Course completion is monitored by Academic and Management Council (AMC) and discussed time to time.
6. Topic wise assignment sheets, tutorial sheets and questions bank are shared with students. The same is also made available on D-space intranet for fast communication.
7. Continuous Internal Evaluation (CIE) process includes three midterm examinations, assignments, quizzes, class test, presentation, viva-voce etc.
8. Detailed time-table for internal/midterm examination is declared as per academic calendar and planned centrally by examination cell.
9. As per the teaching and examination scheme of parent university RTU, mid semester examinations are conducted centrally by examination cell and all other remaining fractions of CIE are conducted at departmental level.
10. Faculty members carry out evaluation work and submit marks to the examination cell within a fixed time period normally 7 days after the completion of examination.
11. The evaluated answer sheets are also discussed with the students.
12. The solutions of midterm examination papers are made available on institute website and the same is also discussed with students.
13. Extra midterm examination is also conducted for those students who remain absent in examination due to medical illness. Students, who have aggregate attendance more than 80%, are also eligible to appear in extra midterm exams to improve their performance.
14. End term semester examinations are conducted by the parent university.

File Description	Document
Link for 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](#)
Link for Additional information	[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: 93.75

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

Response: 15

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: 418

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

2020-21	2019-20	2018-19	2017-18	2016-17
158	140	60	36	24

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: 67.18

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

2020-21	2019-20	2018-19	2017-18	2016-17
2222	3436	3196	2715	2287

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:

The cross – cutting issues like gender, environmental sustainability, human values and professional ethics etc., find an ample space when it comes to applying them positively into the curriculum. The curriculum is designed by the affiliating university keeping all such things in mind and includes many of these aspects. The institute believes in maintaining a healthy environment for all our students. Besides this, in order to accommodate these issues into curriculum, guest lecturers of eminent personalities, competitions, workshops etc are also organized by departments.

Human Values: Values are something which are desirable and worthy of esteem for their own sake. Human values are those that aid us to live in synchronization with the world. Most of the faculty members have successfully completed workshop on UHV (Universal Human values) conducted by AICTE, New Delhi. Human values and ethics committee has also been constituted in the institute, in order to address all such issues.

Professional Ethics: These courses illustrate professionally accepted standards of personal, business behaviour, values, and guiding principles. Codes of professional ethics are often established by professional organizations to help guide members in performing their job functions according to sound and consistent ethical principles.

Environment and Sustainability: These courses deal with Environment and Sustainability. They appreciate the ethical, cross-cultural, historical context of environmental issues and the links between human and natural systems. This enables the students to learn about the ecosystem and other environmental factors. They also learn measures to protect the environment and are made aware of global warming and other related issues. Other than these courses, the institute has clean and lush green campus. The campus is equipped with a solar power plant, rain water harvesting system, sewerage treatment plant. Every year a tree plantation programme is organized.

Gender: The institute provides equal opportunity irrespective of gender to all stakeholders. The institute has formed women grievance redressal committee to look after the issues pertaining to female staff members and girl students.

The aforesaid cross cutting issues are imparted in the form of compulsory subjects as a part of curriculum by affiliating university i.e. RTU, KOTA in various semesters of UG & PG programmes.

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
Any additional information	View Document

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

Response: 90.11

1.3.2.1 **Number of courses that include experiential learning through project work/field work/internship year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
540	489	474	483	474

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

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

Response: 97.33

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

Response: 3938

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
Any additional information (Upload)	[View 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](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 88.27

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

2020-21	2019-20	2018-19	2017-18	2016-17
1033	1118	1056	1026	1116

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

2020-21	2019-20	2018-19	2017-18	2016-17
1248	1197	1206	1206	1206

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: 82.26

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

2020-21	2019-20	2018-19	2017-18	2016-17
340	340	326	256	345

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

2.2 Catering to Student Diversity

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

Response:

There is a well defined mechanism for the continuous assessment and evaluation of the learning paradigms of students. The students are identified in terms of their current caliber based on continuous internal assessment, performance and class room participation.

As per the guidelines of AICTE, an induction program is organized before commencement of classes of I Year engineering and management courses in which students are informed about the institute policy regarding discipline, attendance, examination, placement etc. During this programme, many physical and skill development activities are conducted to make students comfortable in the new environment and also to access their level of learning.

Strategies adopted to enhance performance of Slow Learners:

It is generally seen that some of the students are comparatively slow in terms of their grasping power. Mentoring of such students is carried out to improve the academic performance. Counseling sessions are conducted in a friendly way to help such students to overcome the psychological and pedagogical problems and to achieve their goals successfully. Along with that additional study material, subject notes, tutorial sheets, assignments etc are also provided to them. To improve their academic performance, remedial classes are conducted where critical questions and/ or topics are being taken up and explained. Tutorials are another incisive way of keeping the students engrossed with their academics and get ahead. Frequent absenteeism is conveyed to parents by respective batch counselors. Students are given placement related training and a set of mock interviews are also conducted to prepared students for their placement drive.

From the session 2020-21, students are provided recorded lecture on every topic so that they can revisit the complex topics and refer the missed lectures. For recording of such lectures, 3 ICT enabled studios e-SLATE are setup in the institute.

Strategies adopted to facilitate Quick Learners:

Advance learners have a high level of interaction during classroom teachings and in the laboratories. Expert sessions from academic and industry are organized for widening the horizon of these students. These students are motivated to take up MOOCs for enhancing their knowledge. The syllabus is also supplemented with the several experiments beyond syllabus. Some of the experiments on virtual lab are also referred to broaden the spectrum of knowledge of quick learners. Such students are encouraged to present/write articles and assist in preparation of institute's magazine, SKIT TIMES. Different cells like Training & Placement Cell, E-Cell, Incubation centre, E-yantra lab are established for their overall development. Many clubs are being run by students. The institute conducts CRT Programme and Soft skills training which is exclusively designed for the students preparing to get jobs in various industries. The T&P cell organizes virtual campus drives to trace the career interest of students. GATE classes are conducted by experienced faculty members. Students are given opportunity to plan & organize institution's annual techno-cultural festival "PRAVAH". Students are regularly encouraged to participate

in workshops, seminar, and conferences. The institute organizes conferences/seminars/STTPs where students can gain knowledge about the latest technological development in industries.

File Description	Document
Past link for additional Information	[View Document](#)

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

Response: 17.75

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

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

The institute has adopted student centric methods to boost their involvement as a part of experiential learning, participative learning and problem-solving methodology.

Experiential learning:

1. The institute focuses on imparting knowledge which enhances critical thinking and gives scope for creative imagination among students.
2. All the laboratories have a state of art infrastructure equipped with adequate number of experimental set-ups, computers & peripherals.
3. The institute has modernized laboratories under the scheme MODROBS (Modernisation and Removal of Obsolescence) by receiving funding from AICTE, New Delhi.
4. The institute has an incubation centre which provides a platform to students to convert their innovative ideas into reality.
5. The institute has recognized centre of excellence in IoT and Transportation engineering.
6. There are MOUs with Microsoft and Infosys to give experiential learning on Business intelligence, cloud computing and Internet of Thing (IoT),with corporate touch to students and to give experiential knowledge to students
7. The institute is declared as a centre of FOSS in collaboration with IIT Bombay and a centre of virtual Lab in collaboration with IIT Delhi
8. Faculty members and students are encouraged to do courses on MOOCs. The institute has been ranked AA for last two consecutive years and also recognized as the "Best Faculty Performance " among the top 100 rated local chapters by NPTEL.
9. Students are sent to industry for visits and to undergo internships to understand how industry functions and its requirements.

10. e-Yantra embedded systems and robotics lab is set up in the Institute with the support of e -yantra, IIT Bombay.
11. Besides the practical work in laboratories, the institute also organizes field survey camp to enhance the ability of students for collection and analysis of raw data with appropriate approaches and methods.
12. The institute has five research centre of parent University which provides research platform to students and faculty members.

Participative learning:

1. The students open up and put forth their views on subject(s) to contribute, which improves their analytical ability.
2. The students are encouraged to participate in debates and presentations where they express their different opinions on a particular topic and present their learning.
3. The institute has a number of technical/non-technical clubs which are managed by students. Students are encouraged to join clubs of their choice and also to participate in various events.
4. Projects are assigned to a group of students which encourage them to work in a team and also enhance their learning.

Problem solving Methodologies:

1. A group of 30 students is formed for a tutorial class. These problem solving classes are planned with the regular time table.
2. Numerical problems occurring in the University examination and other typical problems are discussed in lecture and tutorial classes.
3. Assignments having standard and application based problems are given to students and after submission, these are assessed by the faculty members.
4. Projects based on real-world problems and challenges are given to students which encourage them to find creative and innovative solutions.
5. Special GATE classes for advanced learners are conducted by experienced faculty members.

File Description	Document
Link for additional information	[View Document](#)

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

Response:

The Teaching – Learning environment is always very challenging and exciting. There are newer ways to dig out for making this process interesting and meaningful. The institute has implemented ICT enabled teaching in addition to the traditional classroom education to improvise teaching learning process in the most creative and innovative way:

1. IT enabled learning tools such as Power Point Presentations (PPTs), video lectures, online sources like MOOCs, NPTEL, SWAYAM etc., in addition to conventional chalk-board method are used by

faculty members to enhance student learning.

2. Classrooms are fully furnished with audio-video system, OHP with the internet facility.

3. **DSpace submissions:** DSpace is a digital service that collects, preserves, and distributes digital material. Repositories are important tools for preserving an organization's legacy; they facilitate digital preservation and scholarly communication. Faculty members regularly upload a lot of academically relevant documents on the D-Space repository of SKIT on the IP: 192.168.1.10 over institute's intranet network.

4. **Digital library:** Students are provided with an access to National Digital Library, NPTEL, DELNET & YouTube videos to explore further and enhance the perspective on topics of interest for quick learners. The institute's library has subscribed many international journals & publications which can be accessed easily by the students.

5. **Virtual labs:** In certain labs, some relevant experiments are conducted online on web browsers with the help of simulators. Such online facilities are called as virtual labs. The institute has a centre of virtual Lab in collaboration with IIT Delhi.

6. **MOOCs:** MOOCs or Massive open online courses are a relatively new entry in the academic sector throughout the world. At SKIT, we support augmenting our own efforts of effective delivery by MOOCs available through agencies like NPTEL and SWAYAM.

7. **E-mail / WhatsApp correspondence with students:** Faculty frequently engages in e-mail correspondence with the students to share notes, remarks, assignments and test results. This significantly boosts the out-of-class learning experience of students.

8. **Audio-visual learning:** In many subjects (wherever necessary) audio-visual aids are used. It is a proven fact that audio-visual presentations in the classrooms are more effective in capturing the attention of students.

9. **Studio:** The institute has developed three unique studios furnished with the latest ICT enabled tools to generate quality e-content.

10. **Subjective seminars:** Additional seminars on the subjective topics, projects related to their technical subjects and submission of study reports on real time analysis using ICT tools is mandatory for the final year students.

11. Institute collaborated with Coursera during COVID-19 pandemic for offering free courses to faculty and students.

12. The institute premise is Wi-Fi enabled.

13. Institute has taken subscription for Cisco Webex and Zoom in addition to the conventional platforms Google Meet/Classroom for conduction of online classes to cater the needs of teaching-learning activities.

Link for webpage describing the ICT enabled tools:

DSpace: Services are available through the Digital Library website on the IP : 192.168.1.10 over institute's intranet network

Digital Library: https://digilib.skit.ac.in/

File Description	Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	**View Document**

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

Response: 26.27

2.3.3.1 Number of mentors

Response: 154

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: 99.58

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: 28.06

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***

2020-21	2019-20	2018-19	2017-18	2016-17
80	72	73	68	54

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: 9.42

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

Response: 2148.53

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:

Internal assessment in the institute is completely transparent. Each student has an absolute understanding about the standard internal evaluation process of the theory & practical subjects, which is in accordance with the laid down policy of its affiliating university.

The institute prepares an academic calendar in accordance with the university calendar. The Institute organizes orientation programs to the newly admitted students to make them acquainted with the rules and regulations of the examinations and evaluation process.

Internal Assessment

1. The examination schedule is announced in advance through the academic calendar.
2. The continuous and comprehensive evaluation forms the basis of internal assessment. Internal assessment of students in theory courses consists of two midterm examinations, one extra midterm examination, assignments/ presentation/ class test/quizzes etc.
3. Internal assessment of lab courses consists of two internal practical examinations, practical record, attendance, viva-voce, presentation, day to day performance on the basis of each experiment is assessed.

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4. Midterm examination process is centrally governed by examination cell. Time Table and the important information like invigilation duty chart, room setting plan etc. is notified well before the commencement of examination.
5. Faculty is required to submit required number of papers in a sealed envelope to examination cell in stipulated time period.
6. Question papers are prepared strictly as per the University end term paper pattern with Bloom's Taxonomy levels along with detailed solutions and marking scheme.
7. The mapping of question paper with Course Outcomes in terms of Bloom's Taxonomy is provided along the question paper in the prescribed format.
8. The examination cell appoints an internal flying squad of senior faculty members during examination to avoid any type of misconduct.
9. The examination evaluation is performed on the basis of Course Outcomes which ensure the result of the achievement.
10. The evaluated answer sheets of all Internal Examination are shown to the students in the class for their satisfaction, discussion and verification of marks. The performance of students in the internal evaluation examination is communicated to the parents.
11. Solutions of the question papers are uploaded on the institute website after the completion of examination along with detailed marking scheme.
12. Students are free to interact with subject teacher/head of the department to resolve any grievance.
13. The result of examination is declared within a week from the last date of examination.
14. The assessment of the project work is based on a variety of features including the adequacy of the literature survey and data search, standard of presentation and grammar, Interpretation of data and results, Practical ability etc.
15. Extra midterm examination is conducted at the end of the semester for those students who were absent during examination due to unavoidable medical conditions.
16. Students with good overall class attendance are given chance to appear in extra midterm examination to improve their performance.

File Description	Document
Link for additional information	View Document

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

Response:

Grievances, if any, pertaining to the examinations, are being handled by the subject teacher, HOD and Examination Cell. Mid-term exam answer scripts are distributed to the students to let them check and obtain clarifications from the subject teacher, if any. Students are free to interact with their teachers to resolve grievances regarding the assessment if any. The marks awarded in the midterm examinations i.e. internal assessment components are displayed on the notice board.

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

1. Student may approach his/her respective subject teacher for the clarifications related to internal

marks, midterm's marks & other related matter, if any.

2. The subject teacher perceives student issues related to the above in a time bound period.

3. If the student is not satisfied with the response received from subject teacher, then he/she may submit grievance to the respective head of the department or to the examination cell.

4. A clear report of the issue is then given to the examination section and then final correction is made in the award sheet.

5. If there is any grievance related with midterm question paper, students can submit the grievance application to the Principal/ Incharge Examination. Then the issue is forwarded to head of the concerned department and corrective action (if any) is then forwarded to all the concerned subject teachers.

6. The entire process is time bound as internal marks are to be finalized within a week.

7. The affiliating university provides a window to the student to view their checked answer sheets and re-evaluation after declaration of result.

8. The students are also given chance to give their representation in case of unfair means case by affiliating university.

File Description	Document
Link for 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:

1. The institute's vision & mission, departmental vision & mission, programme educational objectives (PEOs), programme outcomes (POs), programme specific outcomes (PSOs) and Course Outcomes (COs) are displayed on the institute's website, HOD's cabin, departmental laboratories, departmental library, notice boards, lecture halls and faculty cabins. The PEOs are aligned with the departmental vision & mission statements which are further aligned with the institutional vision & mission.

2. Course Outcomes are conveyed to the students by the subject teacher in introductory class. COs are mapped with prescribed POs.

3. Faculty development programme is conducted for newly joined faculty members in which all these objectives are explained. Faculty members are also encouraged to join COs, POs, PSOs based faculty development programme conducted by AICTE time to time for better understanding.

4. Departmental meetings are scheduled periodically by the head of the department to discuss various course objectives and outcomes.

5. The institute and departmental vision/mission, PEOs, POs, PSOs and COs are mentioned in the course files prepared by faculty members for respective courses.

6. The COs are mapped with course contents using Bloom's Taxonomy. The POs are mapped with twelve following *Graduate Attributes* prescribed by Washington accord:
   - Engineering Knowledge
   - Problem Analysis

- - 3.Design/ development of solutions:
  - Investigation
  - Modern Tool Usage
  - The Engineer and Society
  - Environment and Sustainability
  - Ethics
  - Individual and Team work
  - Communication
  - Project Management and Finance
  - Lifelong learning
7. To bridge the gap between syllabus and POs and PSOs, the institute plans different activities like workshops, expert lecture, seminars etc.
8. Course Outcomes of lab courses are available in lab files and are played on the lab notice boards.
9. The Program Outcomes and Program Specific Outcomes are assessed with the help of Course Outcomes of the relevant courses through direct and indirect methods.

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

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

Response:

At SKIT, attainment of programs is accessed through a continuous and comprehensive evaluation. The institute follows "Outcome Based Education (OBE)" to evaluate the performance, knowledge and skills of students through the attainment of POs, PSOs and COs. The process of attainment of COs and POs starts with writing appropriate COs for each course. The faculty members provide a transparent pathway for student success by writing clear and comprehensive Course Outcomes using action verbs as suggested by Bloom's Taxonomy. Then COs are mapped on the scale on 0 to 3 where 0 is used for no correlation and 3 is used for strongly correlated.

1. Attainment of Course Outcomes-

As per the RTU guidelines the evaluation process of students for practical and theory exams are segregated in to two components namely internal and end term components.

Theory courses:

Internal component: 20% (Two midterm examination+ assignment)

End term component: 80% (university examination)

Lab courses:

Internal component: 60% (two midterm examination + assignment +attendance +lab record + viva voce)

End term component: 40%

Evaluation Scheme for Discipline and Extracurricular Activities (DECA):

This evaluation is segregated into two components.

- Component A
- Component B

The component A is a base component which is based on the student attendance & general discipline and component B is based on their participation in the extracurricular and general discipline activities like NCC, NSS, blood donation, Sports & Games etc.

SAMPLE:

The Course Attainment Levels*** have been assessed as per the definitions in table:

S. No.	Course Type	Attainment Level=1	Attainment Level=2	Attainment Level=2
1	Theory Courses Mid Semester Tests X [1]	>=50% students Mid Semester Tests X [1]	>=60% students scoring >=50% marks	>=70% students scoring >=50% marks
2	Theory Courses University Exam X [2]	>=60% students Scoring >=40% marks	>=70% students Scoring >=40% marks	>=80% students Scoring >=40% marks
3	Theory Courses Overall Course Attainment X [3]	X[3] = 0.20 * X [1] + 0.8 * X [2]		
4	Practical Courses Internal Tests X[4]	>=50% students Scoring >=70% marks	>=60% students Scoring >=70% marks	>=70% students scoring >=70% marks
5	Practical Courses University Exam X [5]	>=60% students Scoring >=60% marks	>=70% students scoring >=60% marks	>=80% students scoring >=60% marks
6	Practical Courses Overall Course Attainment X [6]	X [6] = 0.6 * X [4] + 0.4 * X [5]		

***Criterion for different course may change

2. Attainment of Program Outcomes and Program Specific Outcomes

The Program Outcomes and Program Specific Outcomes are assessed through direct and indirect methods.

Direct Attainment Measurement (80%)-

Direct methods are provided through direct examinations or observations of student knowledge or skills against measurable Course Outcomes.

Indirect Attainment Measurement (20%) -

Indirect attainment level of PO & PSO is determined based on the student exit surveys, parent's feedback, Participation in Co-curricular and Extracurricular activities and impact analysis of various academic activities.

File Description	Document
Paste link for Additional information	[View Document](#)

2.6.3 Average pass percentage of Students during last five years

Response: 94.98

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

2020-21	2019-20	2018-19	2017-18	2016-17
980	1054	1027	910	970

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

2020-21	2019-20	2018-19	2017-18	2016-17
986	1079	1124	991	1025

06-04-2022 04:34:14

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	
Paste link for the annual report	

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.39

File Description	Document
Upload database of all currently enrolled students (Data Template)	

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: 161.19

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)**

2020-21	2019-20	2018-19	2017-18	2016-17
59.94	37.42	21.96	41.87	0

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

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

Response: 10.53

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

Response: 24

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: 48.57

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

2020-21	2019-20	2018-19	2017-18	2016-17
7	5	4	1	0

3.1.3.2 **Number of departments offering academic programes**

2020-21	2019-20	2018-19	2017-18	2016-17
7	7	7	7	7

File Description	Document
Supporting document from Funding Agency	[View Document](#)
List of research projects and funding details	[View Document](#)
Paste link to funding agency website	[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:

Realizing the necessity of innovative ideas and their subsequent implementation through quantifiable initiatives, the following goals have been set:

- Enrich the learning experience of students through innovative tools and techniques
- Enhance the understanding and knowledge of students with innovative measures and padegogies
- Broaden the perspective of students in matters pertaining to academic, contemporary as well as social issues using innovative tools and techniques
- Motivate the students to think, formulate and act innovatively themselves.

Given below is a listing of some of the noticeable initiatives taken by the faculty. However, it should not be construed as a conclusive list; but as a part of an open ended process of continuous improvement.

- **SKIT Research Journal:** The institute is publishing an international journal covering emerging areas of Engineering, Basic Sciences, Humanities and Management. The journal is in publication for the past 10 years.
- **Incubation Centre:** The Institute has established an ecosystem for innovation for advanced research, entrepreneur, and start-Ups. Techno SKIT Incubation Centre (SRIJAN) was started in July, 2016.
- **IPR Cell:** The Intellectual Property Rights (IPR) cell is setup in the institute to spread the

awareness of IPR among students and faculty members of Institute.

- **DSpace submissions:** Faculty of the department regularly upload a lot of academically relevant documents on the DSpace repository of SKIT.
- **Club activities**: Several clubs are currently being run by the institute. Various club activities in these clubs act as excellent grounds for innovative learning.
- **The SKIT Times**: The institute publishes an institutional magazine for the last 12 years for providing platform to students and faculty members for circulation of information and ideas.
- **Virtual labs:** In certain labs, for instance the vibration engineering lab, some relevant experiments are conducted online on web browsers with the help of simulators.
- **MOOCS:** At SKIT, we support augmenting our own efforts of effective delivery by MOOCs available through agencies like NPTEL and SWAYAM. A computer laboratory is established in central library for students to view lectures.
- **Group leaders in lab sessions:** A group leader is selected for each group working on an experiment in each lab session. Every week in the lab, the group leader is changed so as to transfer the responsibility to each student by the end of semester. This inculcates leadership and responsibility in students.
- **Power point presentations:** This has actually become a standard norm in the teaching-learning process, and is facilitated by the fact that all our classrooms are well-equipped with high quality projectors ready for use any time.
- **Audio-visual learning:** It is a proved fact that audio-visual presentations in the classrooms are more effective in capturing the attention of students and hence are used wherever necessary.
- **ICT e-SLATE:** With the realization of the growing need for providing online content for teaching-learning. 3 ICT enabled studios called e-SLATE were setup in the institute in the academic year 2020-21.
- **Adherence to Bloom's taxonomy:** The mid-term tests for all subjects in the department are made in strict adherence to the Bloom's taxonomy..

File Description	Document
Paste link for 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: 146

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**

2020-21	2019-20	2018-19	2017-18	2016-17
75	23	19	17	12

File Description	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: 1.42

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

Response: 34

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

Response: 24

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](#)
URL to the research page on HEI website	[View Document](#)

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

Response: 3.07

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

2020-21	2019-20	2018-19	2017-18	2016-17
317	154	143	84	79

File Description	Document
List of research papers by title, author, department, name and year of publication	[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: 1.14

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**

2020-21	2019-20	2018-19	2017-18	2016-17
152	31	38	35	31

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:

The Institute organizes multifold extension activities in the neighborhood community and in the institute premises to benefit the society at large. It ensures the development of a tendency among students to improve the quality of life in the surroundings. Some of the extension activities are listed below:

- **NSS:** SKIT NSS volunteers work to ensure that everyone who is needy gets help to enhance their standard of living and lead a life of dignity.
- **Adoption of village:** The institute has adopted a village Daantli near Sanganer, Jaipur. The institute aspires to bring constructive changes in the life of the villagers about educational and social issues.
- **Plantation:** Every year during monsoon a huge drive for tree plantation is conducted by SKIT which helps in increasing the greenery, maintains soil quality, and keeps the climate healthy.
- **Donation of ambulance:** Through donation of a well equipped air-conditioned ambulance to an NGO called Nirog, the institute has contributed to vaccination facilities in the nearby villages with a team of doctors.
- **Blood donation camps:** Blood donation camp is organized every year. The institute keeps a record of 'rare blood group donors' and helps 7 major hospitals of Jaipur as and when rare blood groups are required.
- **Swachh Bharat Abhiyan**: Under Swachh Bharat Abhiyan, the institute educates villagers in the surroundings of the Institute about the importance of cleanliness and has launched programs like waste recycling, energy and water conservation, forest conservation etc. This is done in a massive way in collaboration with the local Municipal Corporation with deep involvement of students periodically.
- **Social & Educational motivation**: Some of the faculty members and students of SKIT have launched a programme in the slums of Jhalana (Malviya Nagar, Jaipur) to educate children of poor

and vulnerable sections of society who cannot afford quality education.

- **Social Visits:** The students of B.Tech. I year are assigned social visits to different places like hospitals, slum area, government school, old age homes, orphanages, etc.
- **Yoga classes:** 'Yoga Classes' on the World Yoga Day are conducted to impress upon the youngsters the importance of maintenance of a healthy body through the same.
- **Open Gymnasium & sports facility:** The institute has developed an Open Gymnasium and sports facilities to the local residents to help them stay fit and healthy along with keeping a track for morning walkers open.
- **Nukkad natak**: Students of SKIT organize frequently nukkad natak at various places to create social awareness like girl's education, child labor, blood donation, road safety, social harmony etc.
- **BHAGIRATH**: A social event BHAGIRATH is organized in SKIT, every year for under privileged children.
- **Social activities during COVID pandemic**: Institute has put its best efforts to support the life of neighborhood communities by distribution of masks, sanitizers and food packets. Institute has also contributed Rs. 11.0 Lakh rupees to the Rajasthan Chief Minister Relief Fund to support the COVID-19 relief efforts cause of the state.
- **Cloth distribution Drive:** The Cloth distribution Drive for underpriviledged people was conducted in collaboration with Jaipur Trekkers and Kachrewaali.

File Description	Document
Paste link for additional information	[View Document](#)

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

Response: 53

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.**

2020-21	2019-20	2018-19	2017-18	2016-17
7	10	8	19	9

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, Government and Government recognised bodies during the last five years

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Response: 72

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

2020-21	2019-20	2018-19	2017-18	2016-17
20	23	14	9	6

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: 59.36

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**

2020-21	2019-20	2018-19	2017-18	2016-17
3217	3361	2082	2016	1525

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: 319

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

2020-21	2019-20	2018-19	2017-18	2016-17
259	30	14	6	10

File Description	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: 56

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**

2020-21	2019-20	2018-19	2017-18	2016-17
13	17	10	8	8

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	[View Document]

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

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

Response:

The institute is situated in the urban region of Jaipur city at a location 26.8230, 75.8668. The entire campus combines spacious and technologically driven blocks that are stretched with sprawling green areas in 13.20 acre (53418.50 sq.mts.) land surrounded by a residential area. The various blocks are multi-storied buildings equipped with elevator facility, properly ventilated and spacious classrooms, laboratories and tutorial rooms, seminar halls, auditorium etc. The institute has solar power plant of 900kW (400kW roof-top at SKIT campus and 500kW ground-top at Kolayat, Bikaner), water treatment plant, and rainwater harvesting system also. High resolution CCTV cameras are installed in the entire campus including classrooms, laboratories, corridors and the main gate for safety and security purpose. The institute has Wi-Fi access, free email accounts for faculty members & students. Internet bandwidth has been increased to 1 Gbps to provide better internet access.

Classrooms/Tutorial Rooms:

All the 53 classrooms in addition to the 4 drawing halls, 9 tutorial rooms, 3 digital classrooms and 10 seminar halls are equipped with smart audio and visual aids that foster quality training.

Laboratories/workshops:

The institute has well equipped and maintained 91 laboratories and workshops in synchronization with AICTE and RTU norms.

Research Centre: The institute has five approved research centre of RTU, Kota. These centre are equipped with advance equipment for the needs of M.Tech., MBA and Ph.D. students.

Centre of Excellence: Two centres of Institute are recognized as Centre of Excellence by the affiliating university in the session 2020-21. These centres are imparting instrumental and technical facilities in the areas of IoT and Transportation Engineering to the UG/PG students of engineering.

Computers: At present, the institute has 1778 systems out of which 1580 systems are in various laboratories and library.

Auditorium/Seminar Halls/Amphitheatre:

The institution has one auditorium, four air–conditioned Seminar Halls and two Amphitheatres with world class features and have witnessed several national and international conferences, workshops, and guest lectures by eminent personalities.

ICT-eSLATE: The institute has developed three studios called as "ICT-eSLATE: Smart Learning and Teaching Environment" furnished with the latest ICT enabled tools to generate quality e-content.

Techno SKIT Incubation Centre (SRIJAN): The institute has established an ecosystem for innovation for advanced research, entrepreneur and start-Ups.

e-Yantra lab: The institute has established e-Yantra Robotics lab which is an initiative by IIT Bombay and is sponsored by MHRD.

Central Library (Gyandan Resource Centre): The institute has a very spacious, air-cooled, Central Library that houses the most extensive and valuable collection of books. It provides easy access to newspapers, printed and e-journals, magazines, periodicals and other documented materials. The Digital library is a part of central library which provides access to National Digital Library, SWAYAM-NPTEL, DELNET & YouTube videos.

Book Bank: The institute offers Book-Bank facility for SC/ ST/ BPL students to borrow books beyond regular books.

Language Lab: To groom and prepare the students for Group Discussions, Debates, JAM etc. The institute has developed two well equipped Language Labs having facilities of licensed softwares with ICT facilties.

File Description	Document
Paste link for additional information	[View Document](#)

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

Response:

The institute encourages students to participate in various games, sports, cultural activities for their holistic development. The institute believes that the participation in these activities enhance their personality, communication skills, leadership qualities and also creates a platform for and excellent social life.

Sports/Games Facilities:

- The Institution has adequate facilities for sports (indoor, outdoor) like cricket, football, volleyball, tennis, badminton, kabaddi, gymnasium, yoga, carom, chess, table tennis etc.

Sports	Number	Approx. Size (mxm)	Area (in sq.m)	Year of Establishment
Cricket/Football ground	1	55x98	5390	2001
Volleyball ground (for boys)	1	36x32	1152	2001
Volleyball ground (for girls)	1	36x32	1152	2001

Basketball ground	1	32x27	864	2001
Basketball ground (Synthetic)	2	34x36	1224	2018
Tennis court (Clay)	2	34x36	1224	2015
Tennis court (Synthetic)	2	34x36	1224	2018
Badminton court (Noran Girls Hostel)	1	8.5x16	136	2005
Badminton court (Nirvana Boys Hostel)	1	19x10	190	2005
Badminton court (M. Visvesvarayya Block)	1	19x10	190	2015
Kabbadi ground	1	18x30	540	2018
Football 6-a-side	1	40x30	1200	2015
Gymnasium (Boys hostel)	1	6x13	78	2009
Gymnasium (Girls hostel)	1	10x6	60	2009
Open Gym	1	14x15	210	2017
Yoga Centre	1	38x18	684	2015

- The institute has appointed a full-time Sports Teacher who is well qualified to train the students for various sports facilities.
- Institute also has a certified Yoga trainer for conducting Yoga related activities.
- The institute has indoor games facilities like carom, table tennis, chess etc.
- The institute organizes National level sports event *"AAVEG"* every academic year. The institute also organizes interdepartmental sports activity during PRAVAH.

Cultural Activities:

The Institution has adequate facilities for cultural activities. The institute has one auditorium, four large capacity seminar halls and two amphitheaters which are extensively used for cultural activities, seminars, conferences, expert lectures etc.

Name	Area (sq. m)	Seating capacity	Year of Establishment
Gyanmandir Auditorium	1150	850	2015
J C Bose Seminar Hall	260	350	2015
Meghnad Saha Seminar Hall	150	110	2008
A.P.J. Abdul Kalam Seminar Hall	150	120	2008
Kautilya Seminar Hall	175	150	2008

Amphitheatre (M. Visvesvarayya Block)	684	900	2015
Amphitheatre (Vikram Sarabhai Block)	1290	1200	2001

- The institute has created several clubs to provide ample opportunities in various areas to the studens. Some of the clubs are Eco Friends Club, TOPAZ, Music Club, NSS Club, Sports Club, ISTE Students Chapter, Robotics Club, Nirman Club, Toastmasters Club, IE (I), IETE, IEEE Student Chapters etc.
- The institute conducts a one-week cultural and technical festival *"PRAVAH"* every academic session during the even semester since the inception. This festival consists of technical & non-technical events, social, cultural and literary events.
- There are other cultural events held in the institute such as, Fresher's Party, Farewell Party, Teacher's Day celebration, Engineer's Day etc. where the cultural talents are on the display.
- The institute encourages students' participation in other institutes' intercollegiate competitions such as dance competitions, skits, JAM, etc.

File Description	Document
Paste link for additional information	[View Document](#)

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

Response: 58.67

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 44

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response: 6.94

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

2020-21	2019-20	2018-19	2017-18	2016-17
32.10798	17.54990	25.61449	22.26697	326.60777

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
Upload any additional information	View Document

4.2 Library as a Learning Resource

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

Response:

The central library of the institute is fully automated since 2006. All of its activities are managed using the latest Integrated Library Management System (ILMS)–LSEase (LIBSYS). Recently, Koha LMS (open source) including Web online public access catalogue (OPAC) is implemented to upgrade the existing library automation system. The OPAC can be accessed through intranet for searching more than 80,000 bibliographic records available in the LSEase (LIBSYS) database. The central library uses in-house bar code technology for computerized circulation system. Every document in the library bears a bar code and every authorized user has a patron card, facilitating their identification in the circulation process. The details of ILMS software are mentioned as below:

Name of ILMS Software	Nature of Automation (Fully or Partially)	Version	Year of automation
LSEase (LIBSYS)	Fully	6.3	2006
KOHA ILMS	Fully	21.05.04.000	2021

Both of these library management **software are used for-**

- Acquisition
- Cataloguing
- OPAC
- Serial Control
- Circulation
- Patron Management
- Report

Central Library system consists of a central learning resource centre "GYANDAN RESOURCE CENTRE" and eight departmental learning resource centres that collectively support the teaching, research and extension programmes of the institute. The holdings of central library includes 43065 books, 706 online and printed journals, 13301 e-books and more than 18000 video lectures.

Online Resources & Database Services

Library provides following online resources and database services.

- Online Journals
- E-Books
- AIMA Resources
- DELNET Database
- NDLI and Open Access Resources
- Institutional Digital Repository
- Video Viewing and Tutorials
- OPAC
- University Papers
- E-News Clippings

Reference Services
Reference resources are available in the library such as:

- Hand Books
- Atlas
- Archival Collection
- Thesis and Dissertations
- Dictionaries

Document Selection and Collection Development Service

SKIT library organizes annual exhibition of books. Reputed publishers display their latest publications in the exhibition. The faculty and students give recommendation of the books to be purchased by the library.

SC/ST & BPL Category Book-Bank

The library provides a book-bank facility for the students of SC/ST & BPL category. The books purchased from the special grant of the SWD, Rajasthan are kept in this section. Books are issued only to SC/ST & BPL class.

SKIT Faculty Profiling System

IRINS is a web-based 'Research Information Management Service' developed by the INFLIBNET Centre. The Central Library feels proud to coordinate and implement IRINS at SKIT.

NDLI Club & Awareness Service

SKIT NDLI Club organizes various awareness and learning activities under the NDLI Club like user awareness sessions, expert lectures, career oriented sessions, writing and speaking events etc.

MOOCs

SKIT is SWAYAM-NPTEL local chapter with library playing an instrumental role as the librarian is the SPOC from the institute. The library continuously motivates its users for pursuing MOOCs courses.

Visually Impaired Section

Central library has created a separate section named as "Visually Impaired Section" particularly for the users with visual impairments. Screen reader software installed in the computers available in digital library helps the visually impaired in reading.

Link for central library: https://www.skit.ac.in/library.html

File Description	Document
Paste link for 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
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: 11.58

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)**

2020-21	2019-20	2018-19	2017-18	2016-17
2.60702	15.30308	6.4986	13.87607	19.63689

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

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

Response: 10.86

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

Response: 464

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:

- Internet services are provided to students, guests, and staff. The entire campus area has reasonable Internet coverage to facilitate all teaching-learning, research and administrative activities.
- Wi-Fi connection is also available in most areas of the institute.
- For a smooth connectivity, the CAT6 Ethernet cables have been laid out throughout the campus. A 1 Gbps leased line (BlazeNet Limited) provides 24x7 high speed connectivity to the Institute.
- In 2008, Linksys (Cisco owned at that time) Outdoor WiFi routers were installed across the campus to provide WiFi facilities in Boys Hostel, Girls Hostel and the Academic block. The institute has recently placed order for Rukus R550 Dual band 802.11 abgn/ac/ax and Rukus T310C outdoor access point with zone director 1200 single AP license for campus wifi.
- A 50 Mbps leased line from STPI (Software Technology Parks of India), an Autonomous Society set up by the Ministry of Electronics and Information Technology (MeitY), and Government of India is being used to provide Internet access.
- In 2011, the D-Link switches were replaced by modern CISCO managed switches to enhance the network smoothness and manageability.
- With the advancement in technology and new inventions like 5GHz frequency band and faster WiFi is planned to be upgraded by Nov 2021.
- In 2014, the Smoothwall was replaced by a Next-Generation UTM (Unified Threat Management) Cyberoam CR500iNG hardware gateway, firewall, Intrusion Prevention System and a complete utility to manage the network.
- In the year of 2019 Cyberoam CR500iNG was replaced by advance new UTM SOPHOS XG430, the Linksys WiFi access points were replaced with high speed Ruckus Access Points with a

- dedicated controller. This additionally enabled us to increase the coverage to the newly constructed academic blocks.
- Optical Fiber Cables were laid out across the campus to provide a high speed Block to Block connectivity.
- From the security perspective, Bitdefender antivirus was used through the computer systems for 6 years, and, in 2017 with the increasing threats like Malware, Ransomware, etc., BitDefender Endpoint Security, the leader in Cyber Security was deployed to keep the IT resources secure for next 3 years. The 1000 licenses of Quick Heal antivirus are employed in the year 2021 for safeguarding computer systems.
- Apart from the various Computer Labs for students and dedicated computers in faculty cabins, a separate lab has been setup in the Central Library along with an Intranet server to provide them direct access to NPTEL videos, various academic resources in addition to the already available Internet where the students can study and research themselves.
- The existing CCTV surveillance system is upgraded from HD camera to 1 & 2 MP cameras with DVR.
- In the year 2020, three Advanced Lecture Recording Studios also have been made ready for Lecture Recording by faculty with New Line IFP (interactive Flat Panel) and High-Resolution Canon XA11 Camera's with all Needed Accessories.
- Recently, institute has placed purchase order of 300 computers (Thinkcentre M70T/i5-10400/256GB Nvme/18.5" LCD) to meet the requirements of latest software/packages and technology.

File Description	Document
Paste link for additional information	[View Document](#)

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

Response: 2.56

File Description	Document
Upload any additional information	[View Document](#)
Student – computer ratio	[View Document](#)

4.3.3 Bandwidth of internet connection in the Institution

Response: A. ?50 MBPS

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

4.4 Maintenance of Campus Infrastructure

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

Response: 49.19

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)**

2020-21	2019-20	2018-19	2017-18	2016-17
393.54281	522.28956	492.18728	503.66181	497.07397

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

A. Infrastructure Maintenance

- The Institute has a full time House Manager with a team of supporting staff for efficient supervision and maintenance of infrastructure facilities of the institute. The team looks after the regular maintenance of civil works such as electricity, plumbing, painting, carpentry and housekeeping.
- Maintenance of the entire campus is carried out without disturbing any academic activity.
- Annual maintenance contract (AMC) has been signed for water purifier, fire extinguishers, elevator, Air conditioners, and roof top solar power plant. The institute has appointed trained electrician, plumbers, gardeners and also supporting staff for maintaining sewerage treatment plant.
- The green area of the campus is well maintained by a team of horticulturists.
- In order to improve and maintain the physical ambience of the campus, periodic painting and white washing of buildings, labs and hostels are also carried out.
- There are fire extinguishers at appropriate locations in buildings.
- The pest control is done every year by the maintenance department
- The entire campus including class rooms, laboratories, canteen, mess etc. is under CCTV surveillance.

- Administrative offices, staff rooms, class rooms, tutorial rooms, seminar halls, laboratories are kept clean and maintained by supporting staff.
- Wash rooms and rest rooms are well maintained by housekeeping staff. Dustbins are placed in each office and in corridor of each floor.
- The benches and windows are cleaned and mopping of the class.

B. Laboratories maintenance

- Students are assigned lab hours as per RTU teaching scheme prescribed lab in the supervision of faculty member and technical staff.
- In labs, the technical staff maintains a proper record of experiment/ equipment allotment to the students. Students are required to handover all the accessories issued to them for performing experiment to the technician after lab hours.
- All the laboratories are under CCTV surveillance for security and safety.
- The laboratory equipments are under the supervision of staff and faculty members, lab technicians and they are being given the responsibility for the maintenance of equipment.
- Initially the technical staff associated with laboratory tries to repair the equipment as and when required. The institute prefers to contact equipment manufacturers for any job and where technical expertise is deemed to be a prudent solution.
- Lab technician/Lab assistant keeps proper record of day-to-day maintenance work.
- Lab-in-charge maintains record of consumable and non-consumable items in stock registers duly verified by competent authority and HOD.
- Different committees of faculty members are constituted for physical verification of all the laboratories and physical facilities at the end of each academic session.
- Lab in-charge makes a list of repairable/non repairable equipment on the basis of which new requirements are forwarded to purchase department at the end of each academic session.
- Maintenance of computers is taken care by the computer department.

C. Sports

- A full time sports officer has been appointed to handle the matters related to sports.

- Sports officer prepares a list of required sports equipment which is then forwarded to registrar office for approval.
- Sports committee has the responsibility of organizing- planning, executing and conducting sports events without disturbing academic calendar.
- It is the responsibility of sports officer and his team to maintain sports ground and material.
- Students are permitted to utilize and take sports material with a prior notice to the sports officer and in this reference a proper register is maintained.

D. Library

- All the students, faculty members, and employees of the institute are entitled for a membership of the library. Their entitlements in terms of number of books that they can borrow and the permissible loan period is given below:

Description	No. of Books	Period of Loan
Teaching Faculty	15	For entire semester

Non Teaching & Technical staff	5	For entire semester
B.Tech. Students	3	21 Days
M.Tech. Students	4	21 Days
Research Scholar	4	45 Days

- Books or any teaching material are issued to the students against the submission of library card. Library cards are valid for one academic year for students.
- If the books are lost, then the borrower replaces the book after getting permission from the librarian.
- The Reference Section in the Library functions on all working days.
- Publisher Catalogues are frequently sent to the committee members for selection and recommendation of new books.
- SKIT library organizes an annual exhibition of books. Reputed publishers display their latest titles, and the faculty and students recommend the books during their visit to the exhibition.
- The books purchased from the special grant of the Social Welfare Department, Rajasthan State Govt. are kept in SC/ST Category Book-Bank.
- The library maintains a register where the user can register required books which are currently issued to other users.
- If any book is not available in the institute's library, it can be provided to the reader by procuring it from other library through DELNET.
- Stock verification of library books, journals, magazines etc. is carried out once in a year.
- Central library remains open from 8AM to 8PM on Working Days and 10:00AM to 5.00PM on Holidays.

File Description	Document
Paste link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 13.76

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

2020-21	2019-20	2018-19	2017-18	2016-17
897	704	446	433	346

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: 15.13

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

2020-21	2019-20	2018-19	2017-18	2016-17
82	83	1951	972	57

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: 8.69

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**

2020-21	2019-20	2018-19	2017-18	2016-17
337	276	547	335	299

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	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: 43.87

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

2020-21	2019-20	2018-19	2017-18	2016-17
411	517	506	379	363

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: 9.18

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

06-04-2022 04:34:28

Response: 90

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: 68.04

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**

2020-21	2019-20	2018-19	2017-18	2016-17
46	38	32	59	56

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**

2020-21	2019-20	2018-19	2017-18	2016-17
69	56	48	89	77

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.

06-04-2022 04:34:28

Response: 187

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.

2020-21	2019-20	2018-19	2017-18	2016-17
24	36	42	52	33

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:

The Institute is committed to the holistic development of its students by integration of academic learning and with the larger issues of personal improvement and individual growth. Institute nurtures every skill-sets of student beyond the curricula and provide ample opportunities to ace skill for better employability and entrepreneurship purview.

The representation of students in various administrative, co-curricular and extracurricular activities build their confidence and improve their communication skills, management skills, leadership skills, team-work etc. Some of these activities are listed below:

1. Student-Mentor System: The participation in the academic and administrative component is managed by the student-mentor framework. The batch counselor (mentor) collects the responses on all aspects of the programme. These responses are then submitted to the respective HOD.
2. Extra-Curricular Activities (ECA): Students have a strong representation in cultural and sports activities. They play key roles in organization and management of these activities. All such activities take place as clubs activities under the umbrella of ECA.
3. Technical Clubs: The technical clubs organize project exhibitions and competitions to create an ambiance for the students to invent or create new technologies to solve the societal problems. Clubs like Topaz are spreader over the globe and activities/competitions organized under the aegis of these clubs provide the global exposure to the students.
4. Student Chapters: Student chapters such as ASME student section, ISTE chapter, IEEE chapter, OSA student chapter, IETE student forum, SAE India collegiate club, ICI chapter and IE student

chapter provide students national and international level exposure and with these forums they present their ideas of innovation.

5. The SKIT Times: Institute publishes its quarterly magazine "SKIT Times" which is handled by students in close supervision of faculty members. It provides them with a medium to express their creativity and writing skills. This magazine is circulated in-house as well as to the corporate bodies to display and foster the efforts of students and faculty members.

6. PRAVAH: Students also lead the organization of annual techno-fest of institute PRAVAH and annual sport-fest AAVEG that involves a variety of innovative competitions, project exhibitions and games. Students in guidance with faculty coordinators manage every aspect of these events.

7. Social Activity: Social awareness camps and other events such as Blood Donation Camp, tree plantation drives, etc. are organized by the institute with the support of student coordinators to inculcate the social responsibility among the students.

8. Academic Activity: Apart from these calendar events of institute, students play an active role in the organization of conferences, workshops, hackathon and in the celebration of national events/drives.

9. Institute encourages students to participate it in various academic and extra-curricular activities at the national level.

10. Hostel Committee: The hostel students are also provided with strong support in the administration and management of hostel affairs. Students are members of hostel committee and they put forward the feedback and give suggestion in related matters.

File Description	Document
Paste link for 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: 212.8

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

2020-21	2019-20	2018-19	2017-18	2016-17
251	190	267	211	145

File Description	Document
Upload any additional information	[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:

It is the firm belief of the institute that the future and growth of the institute lies in the hands of pass out students who go across the globe as brand ambassadors of the institute. SKIT has been blessed with a plethora of its alumni who are keeping the flag of the institution high in India and abroad. The institute is proud of the fact that its alumni are working in reputed organizations like Google, Microsoft, IBM, TCS, Infosys, Wipro etc., and they are conspicuous with their exceptional contribution in the country's premier Indian and State Civil Services. The alumni of SKIT have made a name in the Indian Banking Sector with their exemplary contribution. Alumni network is one of the best professional networking platforms which helps the fresh engineer graduates to get placed in various organizations, industries, and institute for higher education and to start their own startups also.

Institute has a registered Alumni society since July 2004 with the following objectives:

- To promote and encourage a continuing interest in and loyalty to the institute.
- To keep a roster of all alumni of the institute and their relevant data.
- To effectively employ the talents, energies and contributions of alumni to constructive ends for the institute and this society
- To maintain updated and correct information of all alumni.
- To create a bridge between its members, fresh graduates, students, industries etc.
- To support management, staff, faculty, and student body in their efforts to improve the quality of institute in the areas such as placement, entrepreneurship development, research, working culture etc,
- To arrange and conduct meetings of the alumni
- To provide a forum for the alumni for exchange of ideas on academic, cultural and social issues of the day by organizing and coordinating networking events
- To conduct any and all appropriate activities to accomplish the above objectives and purposes.

The institute has an online portal for alumni registration (https://alumni.skit.ac.in). The institute regularly holds Alumni meets in different parts of the country and the same are being attended by a designated team comprising Director, Principal, Advisors, Training &Placement Officer, alumni association's coordinator etc.

The entire idea is to take inputs from the alumni for the development of the institute and take them forward in the form of implementation under the guidance of senior members of the institute.

Alumni association contributes significantly to the development of the institute in various forms such as:

- Placement: SKIT Alumni network is one of the biggest sources of placement opportunities to the students. Alumni help the students to get placed in their respective organizations.
- Expert Lecture: The alumni are being invited to participate in national/international seminars/conferences to establish communication with students to share their life experience and give them tips for becoming successful.

- Career guidance: SKIT alumni contribute by providing their guidance and expertise in their respective areas.
- Networking platform: SKIT alumni network is one of the best professional networking platforms available today for the students.

File Description	Document	
Paste link for 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 promote higher learning in advanced technology and industrial research to make our country a global player.

MISSION

To promote quality education, training, and research in the field of Engineering by establishing effective interface with industry and to encourage faculty to undertake industry sponsored projects for students.

QUALITY POLICY

We are committed to 'achievement of quality' as an integral part of our institutional policy by continuous self-evaluation and striving to improve ourselves.

Institute would pursue quality in-

- All its endeavours like admissions, teaching- learning processes, examinations, extra and co-curricular activities, industry institution interaction, research & development, continuing education, and consultancy.
- Functional areas like teaching departments, Training & Placement Cell, library, administrative office, accounts office, hostels, canteen, security services, transport, maintenance section and all other services."

The institute has constituted Academic and Management Council (AMC) for discussing all issues related to academics and management including planning and development. Senior faculty members and HODs are members of the AMC.

The Academic and Management Council meets regularly for in-depth analysis of its strengths, weaknesses, opportunities, and threats emerging from the internal and external sources and aligns them with the short- and long-term plans to achieve synergy and then implements optimum results.

The institute has a vision to train and transform young professionals into responsible citizens engaging themselves for the betterment of society. Institute aims to produce skilled and trained industry-ready professionals through imparting quality technical education and acts as the center of excellence for engineering and scientific research.

The institute has taken up the following measures to realize its vision:

1. Development of future engineers through unique and specific modern educational experiences.
2. To sow the seeds of leadership among students right from the induction into the system to serve society in future.
3. The institute conducts regular faculty development programmes (FDPs), conferences, seminars, short term training programme (STTPs) etc for bringing forth the academic upliftment of faculty members.
4. The institute supports and encourages faculty members to participate in conferences, workshops, STTPs etc in reputed institutes like NITs and IITs.
5. With a vision to keep in sync with the latest interdisciplinary advancements in the field of research, SKIT published its own research journal "SKIT Research Journal" (www.ijskit.org) twice in a year since 2011.
6. Faculty members are involved in various decision-making committees like Anti-Ragging committee, women grievance committee, cast based discrimination committee, proctorial board etc.
7. Institute in its endeavor to promote extracurricular activities has established links with various organizations of repute. and runs various activities in compliance with the norms of organizations. The institute has a specially designed a two hour per week slot in the time-table for students to participate in club-activities.
8. Collaborate with reputed educational institutions and industries to promote hands on experience and research activities.
9. Institute arranges personality and soft skills classes, GATE classes, beyond syllabus experiments, minor projects, Campus Recruitment training (CRT), soft skill training, business communication training, etc. to prepare students more competent in global scenario.

File Description	Document
Paste link for additional information	[View Document](#)

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

Response:

The management of the institute has mainly two administrative bodies namely-

1. Board of Governors
2. AMC (Academic and Management Council)

Decentralized Management

1. At the level of Society: The management of the institute is directed by Board of Governors, whose members, are appointed in accordance with the guidelines.
2. At the level of the Institute: Director (Academics) & Principal are the academic and administrative head of the Institute. They manage and monitor all the academic & administrative activities.
3. At the level of the Department: HODs are responsible for all the academic and administrative activities in their respective departments and report to the Director (Academic)/Principal. HODs constitute departmental committees to carry out departmental activities smoothly. Students are

given opportunities to act as student coordinators of different technical/non-technical events and clubs.

Participative Management

1. Strategic level: Director, Director (Academics), Principal, Registrar and HODs are involved in framing policies, procedures, rules & regulations.
2. Functional level: Faculty members ensure effective curriculum delivery along with participation in various academic & non-academic activities.
3. Operational Level: The governing body of the institute gives suggestions for introducing new academic programmes and welfare activities.

Case study: Annual Blood Donation Camp at the institute

The institute has put in consistent endeavours in deftly carrying out social responsibilities which prove beneficial to mankind at large. One such activity is the Annual Blood Donation Camp organized by the institute. The camp serves multiple purposes for students and faculty involved.

1. The Need for the Camp: The purpose of education is not just making job ready students, rather it is to inculcate an unflinching sense of social welfare. The students at the institute learn this value by contributing to the social cause.
2. The Contributors: The activity is a centrally driven initiative that invites participation from faculty, students, administration and management.
3. The Planning and Execution: The delegation of responsibility flows from the apex members to student volunteers. The administration appoints one chief coordinator who builds his or her own team consisting of members of faculty and staff. A grand team of student coordinators and volunteers is also constituted for the field work. The institute has been successful in donating about 1000 units of blood to various blood banks every year.
4. The Celebration: The event begins with a grand inaugural ceremony organized by the cultural team. The day begins with a formal inauguration which hosts dignitaries from top-notch medical representatives. Eminent doctors and administrators from the health department participate as the distinguished guests to motivate the gathering.
5. Skills learnt- The event has been proved to be a milestone in shaping the personality of the students involved. Every engineer is expected to be trained in soft skills as well as the technical field that he or she belongs to. The students learn the essential tenets of teamwork, leadership, conflict resolution, decision making and many more.
6. Conclusion: The activity is a perfect example of working together for the social cause. Countless people have been benefitted over these 20 years and the institute feels humbled to have helped them.

File Description	Document
Paste link for additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The institute has a strategic plan (2015-2024) about the academic development, infrastructure of the institute, sports & extra curriculum activities.

1. To install and make the use of Online cloud based academic management system **ERP** which provides easy and quick access to information about students, staff, timetables, examinations, admissions, fees, reporting, and so on.
Status: ERP has been installed in 2017

2. Enrichment of existing labs and creation of new Hi-tech labs particularly required for **Research**.
Status: The Institute has five approved research centres, two centre of excellence in Internet of Things (IoT) and Transportation Engineering, one e-Yantra lab and three digital studios.

3. Training and retraining of new and existing faculty members in the **Art of Teaching**.
Status: FDPs are organized on regular basis.

4. Establish **linkages/collaboration** with reputed national institutes and industries for Student and Faculty Exchange Programme, Collaborative Research**.**
Status: Continuous initiatives have been taken.

5. Five years accreditation from **National Board of Accreditation (NBA)** for UG engineering programmes.
Status: Accredited & Re-Accredited by NBA since 2009.

6. To start **M.Tech. Programme in Civil Engineering** branch and also new programmes in different disciplines of engineering.
Status: One M.Tech programme in civil engineering and two under graduate programmes in computer engineering have been started.

7. To make the campus green by creating facilities for underground storage of rainwater and establishment of **Roof Top Solar Photovoltaic Systems**.
Status: SKIT has installed 900kW Solar Power Plant. Institute has built underground tanks for storing rainwater.

8. To create awareness among the faculty about **Washington Accord and OBE (Outcome Based Education)** system.
Status: FDPs are organized on regular basis.

9. To encourage students to become entrepreneur.
Status: Institute has established incubation cell and e-Yantra lab.

10. To get more **Grants/Funds** from various government agencies like AICTE, DST, CSIR etc. for organizing conferences, workshops, FDPs, research projects etc.
Status: Departments have received funds from different funding agencies.

11. To obtain **2(f) and 12B** recognitions from UGC
Status: Institute has obtained 2(f) recognitions from UGC in 2017.

12. To encourage faculty members to get industry sponsored and **Consultancy Projects** from government/non-government bodies.
Status: Continuous initiatives have been taken.

13. To motivate faculty members for doing intensive research and to obtain **Patents** for their research findings.
Status: The institute has more than 35 patents.

14. Accreditation of Management Programme and UG programme in Civil Engineering from **National Board of Accreditation (NBA).**
Status: Yet to be achieved

15. **NAAC Accreditation** for the institute.
Status: Yet to be achieved

16. To get **Autonomy**.
Status: Yet to be achieved

17. To get the institute included in the list of top **100 Technical Institutes** of country.
Status: Yet to be achieved.

Most of the activities referred above have been successfully implemented. The highlighted activity, **installation of Solar power plant** is one such activity which supports the green policy of institute. It is also a preamble of institute's efforts for sustainability. The detailed report of this activity could be accessed through weblink given under additional information.

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

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

Response:

Organizational Structure:
Board of Governors: Governing body of the institute is the highest body where all policy decisions are taken. Members of Board of Governors are appointed in accordance with the guidelines provided by the Technical Education Department of Rajasthan State, Rajasthan Technical University, Kota & AICTE, New Delhi.

Advisors: They are the Senior administrators who interact with all the academic & administrative bodies on regular basis.

Director (Academics): He is the head of all the academic activities.

Registrar: Registrar of the institute deals with the implementation of the policies of the institute and its regulating bodies.

Principal: Principal is the academic and administrative head of the Institute and the Member Secretary of the Board of Governors. All the main decisions related to the institute are taken by the Principal in consultations with the Director (Academics).

Head of Department: HODs coordinate all the academic and administrative activities in their respective departments. HODs constitute departmental committees to carry out departmental activities smoothly. HOD is responsible for preparing departmental calendar, budget, new requirement etc and to coordinate with institutional administrative body. HOD may sign tie-ups with industries as well as academic institute after getting approval from high authority.

Various committees are formed in the institute for the smooth and efficient management of different activities. The list of such committees is as follows:

1. Examination Cell Committee
2. Training & Placement Cell Committee
3. Proctorial Board
4. Anti-Ragging Committee
5. Discipline Committee
6. Canteen Committee
7. Women Cell /Internal Complaint Committee
8. Grievance Redressal Committee
9. Alumni Committee
10. Library Committee
11. Caste Based Discrimination Committee
12. SKIT Times Committee
13. SKIT Research Journal Editorial Board
14. ECA Committee
15. Incubation cell Committee
16. Hostel Committee

Policies: -

Admission policy:
The institute strictly follows the policy of state government for admission in different UG/PG programmes.

Recruitment policy:
The institute appoints faculty/staff members as per the guidelines of AICTE, New Delhi and affiliating university- RTU, Kota, Rajasthan.

Promotional policy:

The institute has well defined promotion policy under career advancement scheme for the faculty and staff members.

Campus placement policy:
Institute has constituted training & placement cell to look after the placement of students. A detailed & defined policy regarding campus placement is framed to prepare students well in advance so that students get selected by the companies that they dream of.

Policy regarding higher education of faculty members
The institute has a policy to encourage and sponsor faculty members to various centers of higher learning under the quality improvement programme (QIP) sponsored by AICTE.

PDA policy
The Institute extends financial support to faculty members in form of a well-defined PDA policy. The faculty members are provided financial assistance under this policy for attending conferences/workshops, undergoing MOOCs courses, publishing patents and taking membership of professional bodies.

In addition to the polices like award of scholarship, student attendance, financial assistance for travel, leaves rules, procedure for availing casual leaves/short leaves, career advancement scheme etc. are also framed and mentioned in SKIT Handbook. SKIT Handbook is shared with each staff member.

File Description	Document
Paste link for additional information	[View Document](#)
Link to Organogram of the Institution webpage	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

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

Response: A. All of the above

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

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6.3 Faculty Empowerment Strategies

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

Response:

The institute has constituted proper faculty and staff centric policies to give them enough motivation and encouragement to get involved in the development of academic ambience of the institute through innovative reforms. Some of the faculty centric policies are listed below:

1. **Provident Fund Scheme (PF):** All the faculty and staff members are covered under Provident Fund Scheme. The faculty/staff members must deposit 12% of their basic salary (Maximum 15000/-) and the equal amount of which is contributed by the institute.
2. **Employee's State Insurance (ESI):** Non-teaching staff members who have gross salary less than or equal to INR 21000/- are covered under Employee's State Insurance (ESI) as per the central government rules.
3. **Casual Leave (CL):** All the faculty & staff members are entitled to avail casual leave with pay up to a maximum period of 12 days in one academic session. If a faculty/staff member is called on duty on holidays he/she is granted compensatory casual leave (CCL).
4. **Maternity Leave (ML):** All the married female teachers are entitled for maternity leave for a period of three months for a maximum of two children.
5. **Academic Leave (AL):** A teacher may be granted three days academic leave with pay per semester for academic work elsewhere.
6. **Study Leave (SL):** Study leave may be granted to faculty members to pursue higher studies.
7. **Short Leave/Half Casual Leave:** Faculty and staff members are granted up to two short leaves per month for attending urgent work. They are also granted half casual leaves.
8. **Group Insurance Scheme:** Students are insured for Rs.50000/- and the Faculty/Staff is insured for Rs.100000/- against risk of Accidental Death.
9. **Career Advancement Scheme for faculty and staff:** The institute has well defined promotion policy under PASS (Performance Appraisal Scoring System) for the faculty and staff members.
10. **Subsidized bus service:** All the employees of the institute are provided with subsidized bus facility from all the corners of Jaipur.
11. **Sponsorship for higher studies:** The institute has policy to encourage and sponsor faculty members to the various centers of higher learning under quality improvement programme (QIP) sponsored by AICTE.
12. **Rewards for publication of research papers:** The institute felicitates the faculty members to publish their research findings in reputed research journal on 15th August & 26th January every year.
13. **Financial support:** The Institute has a PDA policy for providing financial assistance to faculty members for attending conferences/workshops, undergoing MOOCs courses, publishing patents and taking membership of professional bodies.
14. **TA/DA allowance:** The institute has a defined policy for reimbursement of TA/DA while on duty assignments.
15. **Summer Vacations:** Faculty members are entitled to summer vacation of 30 days with pay.
16. **Autumn/winter break:** The teachers are normally entitled for autumn and/or winter break.
17. **SKIT Employees Welfare Society:** To provide all types of assistance i.e., social, health, legal, economical or any other SKIT employee welfare society is formed in 2017.

File Description	Document
Paste link for additional information	View Document

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

Response: 14.14

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**

2020-21	2019-20	2018-19	2017-18	2016-17
52	40	32	26	22

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: 29

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**

2020-21	2019-20	2018-19	2017-18	2016-17
74	23	19	17	12

File Description	Document
Upload any additional information	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: 43.08

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**

2020-21	2019-20	2018-19	2017-18	2016-17
198	119	80	101	22

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

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

Response:

The institute has a well-defined Performance Appraisal Scoring System (PASS) for the faculty and staff members. At the end of each academic year, Self-Appraisal Report (PASS) from each teaching/non-teaching staff is invited. It includes the details of academic excellence, research publications, contribution in administrative & other activities etc.

Performance Appraisal Scoring System (PASS) for teaching staff

1. Objective of PASS:
The objective of this analysis is to motivate faculty members to perform better in delivering quality education and research at SKIT. The appraisal is used for the following purpose:

- Award of special increments in the pay scale.
- Award of career advancement/promotion
- Monitoring the overall growth of each staff member and their contribution towards the development of the institute.

2.**Period of Assessment and Process:**
Assessment is carried out after the competition of each academic year. Performance Appraisal form has been designed. It consists of two parts. Part A is "Self Appraisal" to be filled by faculty member and Part B is "Forwarding Appraisal & Follow up" to be filled by the respective HOD and then forwarded to Director(Academics)/ Principal & Appraisal committee.

3. Components of PASS and Weightage:

Assessment Criteria	Max. Credit Points
a. Academic Activities	35
b. Research Activities	25
c. Extension Activities	15
d. Administration Activities	15
e. Extra-Curricular Activities	10

The details of these components are given below:

a. Academic Activities

- Engagement-Theory/Lab courses/Seminar
- Semester results of theory courses
- Student feedback in theory course taught
- laboratory/other development activities undertaken

b. Research Activities

- Completed M.Tech/PhD program and obtained degree
- M.Tech project guidance
- PhD Research guidance
- Submission of project proposal
- Grant of research project
- Research paper publication in journal with impact factor
- Research paper publication in conference proceedings
- Research paper publication in SKIT Research Journal
- Book/monographs publication with ISBN No.

c. Extension Activities

- Organizing Seminar/conference/STTPs/FDPs
- Organizing PRAVAH/AAVEG
- Coordinator-Technical/non-technical club
- Membership professional bodies
- Organizing expert lecture
- Consultancy
- Other similar activities

d. Administration Activities

- Chief counselor /Batch counselor
- Lab In-charge
- Coordinator-Exam cell
- Coordinator-T&P cell

- Coordinator-Admission cell
- Other similar responsibilities

e. Extra-Curricular Activities

- Coordinator Extra Curricular Activities
- Chief Coordinator 'Pravah'
- Coordinator Sports & Games
- Coordinator NSS
- Club Coordinators
- Coordinator Blood Donation Camp
- Coordinator News & Media

Performance Appraisal System for non-teaching staff:
Similar appraisal system is adopted for non-teaching staff with different assessment criteria suitable for different job profiles. Assessment is carried out every academic year.

File Description	Document
Paste link for additional information	[View Document]()

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The institutional internal and external audits are being conducted each year by March-April. The institute has an Accounts Department headed by a full-time accounts officer since its inception to ensure the maintenance of annual accounts and audits. The Chartered Accountant of institute conducts regular accounts audit and certifies its Annual Financial Statements. All Utilization Certificates to various grant giving agencies are also countersigned by the CA. All Financial Statements upto 2020-21 have been certified by the CA.

The institute has its own internal audit mechanism, and it is conducted by an internal auditor. This is an on-going continuous process to monitor entire income and expenditure of the institute. Internally, there are periodic reviews on the cash flows to avoid any wasteful expenditure on superfluous activities that may not add value to the existing system and contribute to make it robust for the benefit of the students and teaching and non-teaching fraternity.

File Description	Document
Paste link for additional information	[View Document]()

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
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:

The institute manages its funds mainly from students' tuition fees as SKIT is a self-financing institute. Funds are spent on payment of salary of teaching and non-teaching staff, maintenance work, setup of new infrastructure required for teaching-learning process etc. Budget is prepared keeping in mind developmental activities of the institute. Each teaching/non-teaching department prepare its own departmental budget under different heads with proper justification. Budget for the departments is prepared by concerned HODs, in consultation with the department laboratory in-charges and other faculty. The departmental budget is discussed by the Director (Academics) & Principal with the concern HOD and then sent to the management for final approval. Fund is sanctioned, which is deployed on different Heads of Expenditures in accordance with approval of various statutory committees constituted by the Institute. In the institutional budget, a provision is also made for books, salaries, departmental priorities, needs and requirements of various non-teaching sections, maintenance expenses such as electricity, water, telephone etc.

The development income mainly consists of-

1. Development fee
2. Interest on corpus fund
3. Consultancy Fee
4. Accreditation Fee

Funds generated from the above-mentioned categories are mainly earmarked for infrastructural related growth and developmental work of the institute like purchase of computers, furniture, library books, laboratory, tools & equipment and other similar work.

Optimum utilization of funds-

1. Adequate funds are allocated for effective teaching-learning practices such as Orientation Programme, conferences, workshops, seminars, training programmes, FDPs/STTPs, refresher courses that ensures quality education.
2. Funds received from government agencies like DST, AICTE /industries are utilized to upgrade laboratories (MODROB), organize various academic activities like workshops, seminars, conferences and training programmes as per the sponsorship approval.
3. Fund is utilized to meet day to day operational and administrative expenses and maintenance of infrastructure of the institute.
4. Adequate funds are utilized to enhance library facilities needs to enlarge learning practices every year.
5. Funds are utilized for academic and infrastructural development of the institute.
6. Some funds are allocated for social service activities as part of social responsibilities.
7. The fund is kept safe for miscellaneous expenses and for certain emergency requirements.

Main motive of optimal utilization of resources is to put SKIT on benchmark in tune with quality teaching and unique growth of students.

File Description	Document
Paste link for additional information	[View Document](#)

6.5 Internal Quality Assurance System

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

Response:

The development of students and faculty is at the core of this institution's philosophy. This philosophy gave birth to the establishment of Program Assessment and Quality Improvement Cell (PAQIC) in 2017 (as per the need of NBA accreditation) and for smooth functioning, DPAQIC was formed in each department. Albeit, prior to PAQIC, the quality improvements were carried out through DSMC (Departmental System & Management Committee) since 2012. The prime task assigned to PAQIC was to build up a system for planning, guiding, and monitoring Quality Assurance (QA) and Quality Enhancement (QE) activities of the institute.

Now as per the need of NAAC accreditation, IQAC (Internal Quality Assurance Cell) is formed in academic year 2020-21.

The two significant practices institutionalized by the cell are:

1. The Development of the e-content: The institute for a long time has realized the importance of the availability of e-content for students to facilitate a smoother teaching and learning process. The institute has a repository of lecture notes in the central library. However, it was felt that only the lecture notes are

not sufficient as these cannot replace the actual classroom experience provided through live teaching of the classroom. It was also realized that some students due to medical reasons are forced to miss the classroom teaching and lag behind. With these reasons in mind the PAQIC started the process of recording lectures and getting them reviewed by nominated senior faculty members. All the classrooms of the institute were henceforth equipped with high-definition audio and video cameras.

The practice has empowered the learning and teaching process from two directions. The faculty members are better prepared about their teaching techniques. Secondly, all the teachers can go through their recordings and improvise on the teaching techniques based on reviews received. It is a wonderful way of self-assessment.

The COVID 19 experience however, put some uncalled-for challenges to the process of recording lectures. When the entire education system switched over to online mode of teaching, the students of remote areas started facing multiple problems in coping up with the problems. Poor internet connectivity and too much of screen time were the issues of concern.

To address these challenges, the institute has come up with the establishment of unique ICT enabled digital studios. The faculty members record their lectures, and the recordings are available to students through open repository system. This has eased the challenges posed by the COVID situation.

2. Participation of Teachers in MOOCs- The PAQIC has encouraged teachers for a greater participation in MOOCs. A large number of faculty members have successfully completed the Swayam and NPTEL courses run by AICTE and MHRD, India. A significant number of teachers have earned places in the toppers list. The teachers not only enroll themselves as learners but also become mentors to students joining the same course. The institute has earned AA ranking by the NPTEL. Some of the faculty members have also been selected as a translator by NPTEL. The faculty members have also completed several courses from Coursera.

File Description	Document
Paste link for additional information	[View Document](#)

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

The PAQIC of the institute is instrumental in introducing result-oriented changes in the teaching learning process. The cell is basically responsible for initiating and elucidating certain measures that help the institute come at par with the standards established by the national bodies.

The two practices that the institute has been following since the establishment of PAQIC are as follows:

Practice-1: Examination Reforms:

With the onset of PAQIC the institute has introduced several examination reforms that are in sync with the reforms suggested by the AICTE. These are:

1. The Outcome based framework has been adopted. It works through specifying strong and long-term commitment to quality assurance.
2. The PAQIC has encouraged the synchronization between programme outcomes and assessment tools through adoption of the OBE framework.
3. The framing of question papers is based on assessing application of knowledge, solving complex problems, analyzing, synthesizing, and designing higher level skills.
4. A design-down process has been employed which moves from POs to Course Outcomes (COs) and outcomes for individual learning experiences.
5. In Indian system of education written exams are given a major importance in assessment. However, these written exams focus more on the recall method and memorization. PAQIC at SKIT has initiated the adaptation of Blooms Taxonomy in framing of question papers and assessment of students' knowledge.
6. Assessment based on Blooms Taxonomy aims at touching upon the assessment of cognitive domain that includes thinking, knowledge, and application of knowledge.
7. The question papers are examined by the PAQIC and faculty is motivated to use action verbs such as: classify, demonstrate, recognize, summarize, etc.

The faculty and students of the institute are also encouraged to take MOOCs as a part of the credit based learning. Open book examinations have been introduced during the COVID pandemic to align the exam reforms

Practice-2: Mentor-Mentee System

The institute believes in providing congenial environment to promote intellectual growth of students. To support this mission, a support system- Mentor-Mentee system is developed and reviewed continually for quality improvement. There are three instances of such system are currently in practice.

1. Academic Mentor-Mentee System: A Batch counsellor is appointed on an average of 30 students. He functions as a guardian for the student and acts as a bridge between institute and parents. To maximize the benefits and effectiveness, mentor is selected among the teachers taking the regular classes of student. Mentor holds meeting with mentees every fortnight and forwards the minutes of meeting to the chief-batch counsellors for information and any necessary action. This system remains active for the complete tenure of student at Institute. The major responsibilities of batch counsellor are following:

- Interact continually with student, counsel and provide them with constant motivation and emotional support.
- Make student aware of the functioning of various departments of Institute and contact parents in case of academic irregularities/misconduct.
- Help student in exploring careers, setting goals, developing contacts, and identifying resources.
- Intimate authorities if any administrative action is needed.

2. MOOCs Mentor-Mentee System: The institute has recognized need of learning contents developed by faculty members of reputed institutions and therefore subscribed to the 200 video tutorials of IIT Madras in the year 2008. Following this path and inputs for quality improvement, online resources are later developed

where students can get benefitted.

In addition to the provision of these learning resources, students are encouraged to take up MOOCs. A mentor is assigned to each course, who facilitates the learning from the course through the entire duration. The major responsibilities of MOOCs mentors are following:

- Organize and conduct a meeting with mentee each week to discuss the topics taught during each week.
- Share the guidelines regarding the registration, minimum requirement for certification and type of certificates.
- To facilitate the learning, access the learning levels and provide students with supplementary material.

Following these practices, the Institute has bagged AA ranking for last two consecutive years (2019, 2020) by NPTEL. The Institute is also recognized for "Best Faculty Performance" among the top 100 rated local chapters by NPTEL.

3. Training & Placement's Mentor-Mentee System: This system is developed on the recommendation of PAQIC for setting goals, analyzing the needs and aspirations of the students. Faculty members are assigned for mentoring the students for placement and training process of the institute. The role and responsibilities of a mentor is following:

- To assess the present standard of the mentees through initial interviews and mock tests.
- To set goals based on the aspirations of mentees about jobs in Pvt/Public sector, self-employment, or further studies.
- To provide counseling about incoming career opportunities, regular mock interviews, and CRT training.
- To monitor the progress of mentee and provide constant motivation.

File Description	Document
Paste link for additional information	[View Document](#)

6.5.3 Quality assurance initiatives of the institution include:

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

Response: A. All of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
Paste web link of Annual reports of Institution	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

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

Response:

To create an ambience of gender equality among students & staff, the institute offers equal opportunities to both male & female staff and students without any discrimination for all the academic and non-academic activities & processes.

1. Safety and Social Security:

- The institute is fully aware of its responsibility to strengthen the safety in the premises by taking up all the possible measures to provide a safe and secured ambience to its female students and staff. Proper lighting arrangements are made across the campus.
- To instill a sense of security among the females in the institute, the entire campus is being put under the surveillance of CCTV cameras.
- Besides CCTVs, there is a tight vigil through the deployment of security personnel at strategic positions of the institute.
- The institute has separate boys and girls hostels within the campus with 24x7 safety and security with a properly maintained entry and exit register. Besides this, the boys and girls also have separate gym and mess facilities also.
- The institute has formed women cell to look after the issues pertaining to female staff members and girl students. Girl student/female staff may lodge complaints using their ERP login credentials also.
- A committee of faculty members has been constituted for looking into the discrimination grievances received from the SC/ST/OBC students and staff of the Institute. Student/staff may lodge such complaints using his/her ERP login credentials.
- The institute has an exclusive OPD (Outpatient Department) where doctor sits daily at specified timings for meeting all medical emergencies with staff and students. The institute also has a contract with nearby hospitals for emergency cases.
- Workshops/Seminars/expert lectures on social issues pertaining to women security are organized.
- To promote the leadership of women, the institute has a lady registrar since the inception. Other administrative tasks are also assigned to female faculty members so that the girl students feel secured in the campus.

2. Counselling:

- At the time of admission, proper counseling regarding branch selection, campus culture and the working mechanism of the institute etc. is provided to the students by the senior staff members.
- Batch counselors are designated for counseling the students in their academic, extra-curricular activities and other issues.
- In the beginning of the new session, an induction programme of 15 days is conducted to reduce anxiety, nervousness and make students more comfortable in the new environment.
- The institute organizes expert lectures on inspiring topics, gender sensitivity etc. for the benefit of

staff members and students on a regular basis.

- Training & placement cell counsels the students about the multifarious career opportunities.

3. Common Room:

- Boys and Girls are being provided with spacious common rooms separately where they can relax or get indulged in academic discussions or hold meaningful meetings.
- The common rooms are well illuminated and ventilated to create an atmosphere of positivity.

File Description	Document
Link for annual gender sensitization action plan	[View 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: B. 3 of the above

File Description	Document
Geotagged Photographs	[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:

1. Solid Waste Management:

- There is a proper way of waste collection on a day-to-day basis from each block/administrative offices and the same is then transported to the final disposal site provided by the municipal body. The waste separated is then collected by the municipal corporation vehicles for proper disposal.
- Colored dustbins are being placed at all the strategic locations in the institute for the collection of waste.
- Recyclable papers and other waste materials are sent for recycling through waste collector.
- Sludge from Sewage Treatment Plant (STP) is used as fertilizer in the Institute.

2. Liquid Waste Management: The Sanitary sewage is routed to Sewage Treatment Plant (STP). The water from this STP is used in horticulture at the Institute. Other liquid waste is channeled to sewer lines of municipal corporation without any filtration.

3. Biomedical waste management: The institute is free from any sorts of bio-medical waste since it is a technical and management institution dealing with engineering branches.

4. E-Waste management: The campus has a centralized facility to collect e-waste in the institute. E-waste such as computers, printers etc. as and when generated, are collected centrally & disposed of. The old monitors and CPUs are repaired and reused if possible.

5. Waste recycling system: The institute has water recycling system (Sewage Treatment Plant: STP) of capacity 1.5 lac liters since 2008. The recycled and treated water is used for watering of variety of plants & trees and lawns of the Institute. The solid waste (sludge) from this plant is used as a fertilizer/soil improver in Institute's lawns.

6. Hazardous chemicals and radioactive waste management: The Institute has well defined policy for disposal of hazardous chemicals. Since the institute offers specific graduate and post-graduate programme in engineering and management disciplines, hence the use of radioactive substance is nil while general chemicals are used in a very few labs. These chemicals are drained after dilution.

Additional facility:

Rainwater harvesting system : Rainwater harvesting is a process of collecting, conveying, and storing water from rainfall in a particular area. The institution has a Roof Top Rainwater Harvesting System for holding on catching rainwater where it falls. The rainwater is thus collected from the rooftop of the building and diverted through pipes to the bore well. The filters are attached to the pipes that take down the rainwater to the bore well. After the rainfall flushes, water is allowed to pass through the filters to remove mud, turbidity, and bacteria. The clear water then settles down in bore well to recharge the groundwater. In 2019 two underground water tanks each of capacity of 2.6 Lakh liters were constructed to store rainwater.

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
Geotagged photographs / videos of the facilities	[View 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](#)
Geotagged photos / videos of the facilities	[View Document](#)
Link for any other relevant information	[View Document](#)

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

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

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	[View Document](#)
Certification by the auditing agency	[View Document](#)
Certificates of the awards received	[View Document](#)

7.1.7 The Institution has disabled-friendly, barrier free environment

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

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	[View Document](#)
Geotagged photographs / videos of the facilities	[View Document](#)
Details of the Software procured for providing the assistance	[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 institute has been imparting education in the field of higher education since 2000 and it has made giant strides over two decades to be a favourite destination of thousands of students from pan-India. The institute has been working untiringly to create an inclusive environment so that students from different backgrounds

feel engaged, productive and energized perennially. The idea is to give maximum satisfaction to students from diverse background with a sense of inclusion and achievement.

The institute has taken following initiatives in providing inclusive environment-

1. **Dress code for all students**: The institute has a uniform for all the students of engineering and management with the intention of uniting students under the banners of their institute, irrespective of their socio-economic background. More importantly, the institute encourages every student to showcase his/her individuality through academics, athletics, and individual passions rather than through their clothing.
2. **Orientation Programme:** Every year, at the outset of the new academic session, SKIT organizes an exhaustive "Orientation Programme" for new students.
3. **Celebration throughout the year:** SKIT celebrates days of eminent personalities, National Festivals to implant social and religious harmony. These activities bring students and teachers with diverse backgrounds on a single platform for creating inclusive environment. Such celebrations develop tolerance and harmony towards culture, region and linguistics and also communal social economics and other diversities.
4. **Participation in different non-technical clubs:** Students based on their areas of interest are encouraged to join different technical and non-technical clubs to pursue their hobbies where they can exchange their ideas in a team to build relationships with deep interests.
5. **Blood Donation Camp:** A Blood Donation Camp is organized in SKIT every year during which the students and staff members participate with great enthusiasm. Students of rare blood group are always ready to donate blood as and when required. The list of such students is shared with the hospital authority.
6. **COVID Vaccination Camp:** Four free COVID Vaccination Camps were organized by the Institute in association with Medical and health department, Government of Rajasthan for staff and residents of nearby areas. More than 3000 jabs were administered during these camps.
7. **Nukkad natak**: Students of SKIT organize nukkad natak at various places to create social awareness like girl's education, child labor, blood donation, road safety, social harmony etc.
8. **Bhagirath**: A social event Bhagirath is organized at SKIT to support the under privileged children studying in nearby schools. This event provides an opportunity to such students to express their learnings, strengths and feelings that creates confidence and social harmony among them.
9. **Health Check-up Camps:** The NSS club of SKIT organizes health checkup camps in nearby villages and also at the institute.
10. **Educating Underprivileged Children:** A team of faculty members and students provide free elementary education to the underprivileged children in nearby slum area Jhalana (Malviya Nagar, Jaipur)

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:

The institute undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties, and responsibilities of the citizens.

- SKIT celebrates the Republic Day on 26th January every year to make the students and staff members aware of their fundamental rights, duties, values and responsibilities as citizens of the nation as stated in the constitution of India. Institute also celebrate Constitution day on 26th November. Their participation instills awareness and respect for the National Flag and National Anthem.
- The Independence Day is also celebrated every year to highlight the struggles and the supreme sacrifices made by the freedom fighters to break the shackles of 200 years of slavery. The intent is to make students and staff members submerged with the feelings of patriotism and evolve in themselves a sense of belongingness to the nation.
- Every year, the institute organizes Swachhata Pakhwada under Swachh Bharat Mission for 15 days in the campus and also in the adopted village to promote hygiene at its best. The objective is to create awareness in students about fundamental perceptions and practices related to cleanliness. Also, through this way SKIT inculcates a sense of responsibility among the students.
- To sensitize the student about the scope of life-individual, family, society and nature/existence, a Universal Human Values and Ethics Committee is functional in the institute. This committee organizes activities to inculcate human values and ethics among students and enable them to contribute effectively to the society as a responsible citizen.
- Yoga leads to the union of individual consciousness with that of the Universal Consciousness, indicating a perfect harmony between the mind and body, soul & nature. Observing this philosophy, SKIT celebrates the International Yoga Day on 21st June every year as a symbol of peace, happiness, harmony, togetherness and healthy life under the aegis of Yoga and Meditation Club. A certified yoga instructor is appointed in the institute to facilitate the Yoga related activities in the campus.
- Social service is an integral part of the student activities conducted by NSS wing of the institute. Several activities are conducted in the adopted village for upliftment of health, hygiene and education.
- The institute conducts a number of social activities throughout the year like blood donation camp, Nukkad natak, free education to under-privileged children etc. to sensitize students and employees of the institute to the responsibilities of citizens.
- Institute is well aware of its social responsibility and has been functional during this COVID-19 pandemic. Institute has contributed Rs. 11.0 Lakh rupees to the Rajasthan Chief Minister Relief Fund to support the COVID-19 relief efforts cause of the state. Institute has done fumigation covering more than 1000 inhabitants and distributed masks and sanitizers in the villages. Food packets were distributed at Dantli and Ramnagriyaduring lockdown to support living of inhabitants.

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
Code of ethics policy document	View Document

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

Response:

The institute celebrates national festivals and birth/death anniversary of the great Indian personalities. National festivals such as Republic Day, Independence Day and Gandhi Jayanti are celebrated every year.

National Science Day:

National Science Day is celebrated with great enthusiasm on 28th of February in order to commemorate the invention of the Raman Effect in India by the Indian physicist, Sir Chandrasekhara Venkata Raman. For his great success in the field of science in India, Chandrasekhara Venkata Raman was awarded and honored with the Nobel Prize in Physics in the year 1930.

International Yoga Day :

The institute celebrates International Yoga Day annually on 21 June since 2015. Yoga is a physical, mental and spiritual practice.

Teachers' Day :

5th September is celebrated as a Teachers' day every year as a symbol of tribute and honor to the contribution made by teachers to society. Teachers play an important role in the overall development of a person. The day is celebrated to honor Dr. Sarvepalli Radhakrishnan, a great teacher, academic philosopher as he was born on the same day. The day is celebrated by conducting different activities like quiz, essay writing, cultural programme etc.

Engineer's Day:

The institute celebrates Engineer's day on September 15 commemorating the birthday of one of the greatest engineers in India and a great human being Bharat Ratna Sir Mokshagundam Visvesvarayya every year. Different competitions like essay writing, quiz, debate, project competitions etc are conducted.

Gandhi Jayanti:

Gandhi Jayanti is an event celebrated in the institute to mark the birth anniversary of Mahatma Gandhi. It is celebrated annually on 2nd October and it is one of the three national holidays of India. Various types of competitions are organised for students in remembrance of Mahatma Gandhi.

A list of important days celebrated in the institute is given below:

S. N.	NAME OF EVENT	NATIONAL / INTERNATIONAL
1	Abhivadan Teacher's day	International
2	Doctors Day	National
3	Earth Day	International
4	Engineer's Day	National
5	Gurunanak Jayanti	National
6	Health Day	International
7	Hindi Divas	International
8	Independence Day	National
9	International Day of Light IDL	International
10	Kargil vijay Diwas	National
11	Mahatma Gandhi Jayanti	National
12	Mahaveer Jayanti	National
13	Makar sakranti	National
14	National Voters' Day	National
15	National Youth Day	National
16	Republic Day	National
17	Science Day	National
18	Sports Day	National
19	Swachhata Pakhwada	National
20	Technology Day	National
21	World Nature Conservation Day	International
22	World Population Day	International
23	Yoga Day	International

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

7.2 Best Practices

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

Response:

Best Practice-1

1.Title of the Practice: **Green Campus**

Key Words: Solar Power, Sewage Treatment Plant, Rainwater Harvesting, Awareness Programmes, Health, Hygiene, and education, Gramothan.

2.Objectives of the Practice

The primary objective of initiating the concept of green campus is to lay great emphasis on various practices related to environment and sustainability. This mainly consists of harnessing sustainable energy, water conservation and maintaining greenery.

3.The Context

The primary objective of maintaining a green campus is to promote renewable sources of energy to preserve the ecological balance of nature. The institute accommodates an involvement of around 5000 people. The utilization of renewable methods reduces the harmful effects of technological imprints being used by so many people at once.

4.The Practice

The following steps have been taken by Institute for maintaining the green campus index:

- Renewable energy solar PV system of 900 kW consisting of 400 kW solar PV roof-top plant and a dedicated 500 kW solar PV based captive plant installed at Kolayat, Bikaner, Rajasthan. The solar power generation will annually generate nearly 14 lakh units of electricity cutting 1150 tons of CO2 emissions that shall contribute towards saving nearly 34000 trees annually.
- Two rain water harvesting tanks, each of capacity 2.6 lakh litres, were constructed in the year 2019. In addition to this rain water recharging systems also exist in the institute. The used water recycling system (STP Plant) of capacity 1.5 lac litres is already in practice since the year 2008.
- Entire open area of the institute is sprawled with lush green area.

- To reduce the use of pesticides a new sustainable practice of using organic culture solution (3 units of 1000 litres each) helpful in treating and controlling plant diseases and improves growth of plant by enriching soil fertility is implemented.

5.Evidence of Success

- The Institute has been awarded with "Rajasthan Energy Conservation Award" by Department of Energy, Government of Rajasthan, Jaipur in the academic year 2017-18.
- The solar power generation annually generates nearly 14 lakh units of electricity cutting 1150 tons of CO2 emissions that contributes towards saving nearly 34000 trees annually.
- The recycled and treated water is used for watering of variety of plants & trees and lawns of the Institute. With this we are able to save 100 % of the water needed to maintain the index of green campus initiative. As a whole this contributes in saving of nearly 60 % of total water consumption of the institute.

6.Problems Encountered and Resources Required

As far as the problems being faced in Green Campus are concerned, all the set-ups require good quality maintenance. The institute has not received any kind of support from the government authorities. If the government provides some support in maintaining the set-ups, the institute will feel encouraged to build more such avenues for surrounding areas as well.

Best Practice-2

1.Title of the Practice: **Village Adoption**

Key Words: Awareness Programmes, Health, Hygiene, Education, Gramothan.

2.Objectives of the Practice

The institute has adopted a village, Daantli near Sanganer, Jaipur. With reference to the adopted village, the institute aspires to bring constructive changes in the life of the villagers about educational and social issues. It also instils a feeling of service to society among the students studying in the institute. The programme is executed under the aegis of SKIT NSS Unit.

3.The Context

The institute has a noble vision of Gramothan that signifies bringing a positive change in the lives of villagers who cannot afford the facilities easily available to the urban people. This is more crucial to the children who harness dreams to be at par with their urban counterparts. The programme connects the students of the institute to the children and elders of the village.

4.The Practice

The following activities are undertaken by the institute for Gram Daantli:

- The volunteer students of the institute organize a seven day camp at the village every year. The camp holds various activities related to the sectors of health, education, safety etc.

- The students of the institute work in collaboration with the local village authorities to convert the village into a Smart Village.
- The volunteers have organized activities related to yoga, socio-economic survey, Medical camps, self-defense, water conservation and the importance of blood donation etc.
- The volunteers have also helped in renovation of the Gram Panchayat building.
- Health check-up camps are organized in which medicines are distributed freely.
- Tree Plantation
- Hygiene training is provided to women folk of the village.

5.Evidence of Success

- The institute has received an official letter of collaboration from the Sarpanch of village Daantli. The Sarpanch of the village has shown his trust in the institute for making the village a smart village.
- The volunteers of the unit have been successful in disseminating awareness about sanitary napkins, government schemes, scholarships for girls, Banking, Water conservation, Swachh Bharat Abhiyan, Swine Flu awareness, AIDS awareness, and about new technology in irrigation.
- The camps have also been successful in connecting various other government officials to this village who have promised to support the activities being organized in the village.

6.   Problems Encountered and Resources Required

The problems faced by the volunteers of the adopted village are related to building perspectives. A lot of villagers are yet to connect their girl children with the campaign drives. Although the local authorities extend their support, the internal understanding needs to be promoted on a larger scale.

7.Notes (Best Practice 1 & 2)

Both the practices mentioned above are the integral parts of the institute's vision. These practices have an existence for a long time and have started showing results now. The above-mentioned practices help develop values and awareness among the students.

File Description	Document
Link for Best practices in the Institutional web site	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:

Priority and Thrust : To prepare Industry-Ready and civilized Engineers

The institute is committed to achieving quality in its endeavours particularly in the domain of preparing its students ready to uphold the demands of the industry and society by large. The core vision of achievement of quality is proportionally aligned with providing the best possible facilities to students with respect to learning conditions such as teaching learning process, extra and co-curricular activities, institute-academia interface and state of the art infrastructure.

The thrust area is approached through several ways. These ways are mostly related to the regular interaction between the students and the institute. Some of the regular measures taken in this regard are as follow:

1.**Academics-** The institute holds a firm belief that the foremost requirement of the industry is the sound preparation of students in academics. The institute is affiliated to Rajasthan Technical University and follows the curriculum prescribed by the university. However, in the cutting edge of development and advancement, only the prescribed curriculum may fall short of empowering students. With this perspective the institute is running a few beyond curriculum activities such as campus connect roll-out programme by Infosys, IBM Academic Initiative that includes High Performance Computing lab , Free and Open Source Software(FOSS), Infosys Campus Connect Soft-Skills Programme and so on. SKIT is one of the very few institutes in Rajasthan that have introduced Engineering Programme in Artificial Intelligence and Data Science.

2.**Extra-curricular Activities-** SKIT has a dedicated extra-curricular activities cell that looks after more than 25 clubs. The clubs cover a wide spectrum from technically and socially oriented to culturally and literary inspired. Apart from the in-house clubs, the institute is also connected to clubs of national and international level. Toastmasters International, California is a club for enhancing public speaking skills. Similarly, there are student chapters like Optical Society of America (OSA), ASME Student Chapter, ISTE Chapter etc that enable students visualize the real exposure to professional demands.

3.**Research Activities:**

- The institute is religiously inclined towards promoting research activities for developing a strong institute-industry interface. The institute organizes conferences, workshops and FDPs every year of national and international level.
- The institute invites eminent speakers and experts from industry and academia on a regular basis. The expert lectures are organized for both faculty and students at the institute for providing a hands-on experience for the requirement of the industry.
- With the intent of promoting academic research the institute releases a journal with the name SKIT RESEARCH JOURNAL. The journal is a peer-reviewed, ISSN journal that publishes authentic and original research papers from writers across the nation.
- Various student research projects of students at SKIT have won prizes at the national level. Some of the research projects submitted by students have been prepared with the vision of easing the challenges faced by society at large.
- The institute has a dedicated incubation cell that promotes aid in constructive research projects.

4.**Social Responsibilities:** The institute leads through carrying out social responsibilities in the field of education, awareness and general health.

- Annual Blood Donation Camp: The institute organizes an annual blood donation camp in association with the leading hospitals of Rajasthan. The students, faculty and staff donate more than

1000 units of blood to these hospitals.

- The institute has adopted a village under Dantali Gram Panchayat and conducts regular camps related to awareness about hygiene, education and life management.
- The institute has also donated an ambulance that also caters to mobile first-aid facilities in the villages nearby.
- Student Projects for Social Projects for Social Activity: Students of B.Tech. I year are assigned social visits to different places like hospitals, slum area, government school, old age homes, orphanges, etc. to promote social empathy among students.
- Institute is well aware of its social responsibility and has been functional during this COVID-19 pandemic. Institute has contributed Rs. 11.0 Lakh rupees to the Rajasthan Chief Minister Relief Fund to support the COVID-19 relief efforts cause of the state. Institute has done fumigation covering more than 1000 inhabitants and distributed masks and sanitizers in the villages. Food packets were distributed at Dantli and Ramnagriyaduring lockdown to support living of inhabitants.

5.**Beyond Curriculum Activities:** The institute has initiated multiple efforts to fill the gaps in prescribed syllabus. These efforts reflect through the following ways:

- **Soft-Skills Cell-** The institute has a dedicated space for developing soft-skills among students. This cell is equipped with all necessary arrangements and a uniquely designed curriculum to meet the demands of the industry-ready engineers.
- **MOU with Time Institute-** TIME institute has an MOU signed with the institute to provide career recruitment training to the students of final and pre-final year students.
- **NPTEL/ SWAYAM/COURSERA-** The institute is associated with NPTEL-SWAYAM courses and has achieved AA ranking. Many of students and faculty members have earned topper certificates. Similarly, the faculty and students also have taken up multiple courses from COURSERA as well.
- **GATE Classes-** The institute provides academic assistance to students who aspire to crack the GATE classes. These classes for GATE training are accommodated within the timetable.
- **Language Lab-** The institute has two well equipped software-based language labs for enhancing communication skills.

6.**Organizational Skills:** It is very important for students to get exposure about organizing events. This skill is taught to students in a very subtle manner through various events throughout the year.

- First year induction programme, Competition and contests, College fest and industrial visits etc. are some of the very few names that train students practically about the tenets of leadership and management skills.
- THE SKIT TIMES- The institute publishes its in-house magazine called THE SKIT TIMES which is run by a well-coordinated association between students and teachers. This quarterly magazine is jointly published with the efforts of student and teacher editors and brings out the best of creativity.

The institute is putting up efforts in these directions to envisage capable and industry-ready engineers. Many efforts have reaped positive results and helped students groom themselves comprehensively.

File Description	Document
Link for appropriate web in the Institutional website	[View Document](#)

5. CONCLUSION

Additional Information :

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT) inspired from the learnings of Swami Keshvanand ji, was established in the year 2000. Today the institute is recognized as one of the centers of academic excellence in Northern India.

SKIT is putting in efforts for making industry ready engineers and managers through effective Industry–Institute Interface. Apart from University curriculum SKIT also pursues activities for research and development in various fields.

The green landscaping, aesthetic elegance of arches and the vibrant pursuit of knowledge by the young aspirants make the environment serene, pleasant and dynamic.

Students joining the institute share the box full of opportunities for professional and personal development through an environment of practical orientation, industrial interaction and student led activities which help the students to develop good communication skills, integrated personality and greater competitive spirit.

Incremental improvements made for the preceding five years-
https://www.skit.ac.in/home/award-recognition.html

Concluding Remarks :

The prime motive of the institute is to establish itself with higher standards of academia to support the requirement for good workforce. With the efforts of all stakeholders in the span of past 21 years, the institute has established itself as an example of academic excellence in the state. The investment in the infrastructure, laboratory, instruments, and faculty members have led the institute to be adorn with certificate of excellence from Rajasthan Technical University stating it "First Rank Institute of Rajasthan in Engineering Program".

The institute ensures transparency and proactiveness in its deliberations in the best interest of its stakeholders. The regular collection of grievances and students/employees' feedback are examples of establishment of such mechanism. The enrichment of curriculum with numerous extra-curricular and social activities provides a plethora of opportunities for professional and personal development. The addition of CRT/GATE classes ensures the development of good communication skills, integrated personality and greater competitive spirit. In addition to the students, the similar efforts have also been extended to the staff in form of an appraisal system which provides a transparent process for CAS.

The significant investment has been made in modernizing lab and project activities for engineering graduates with the help of government organizations and paid subscriptions of renowned resources. To cater the responsibility for dissemination of knowledge, institute organizes many conferences, FDP's, seminars and workshops. In addition to it, the institute acts as a cluster/nodal centre for organization of several activities in association with IITs, MHRD and AICTE.

The institute has lived up to the expectation of "Gramothan" by adopting Dantali village. The student's groups/clubs execute many activities for the benefit of the villagers.

In recent years, the institute has enhanced diligent endeavors in the field of the R&D and consultancy. This has

resulted into the establishment of research centre of RTU, Kota in five departments.

Now we are applying for NAAC with the hope that it will give us an opportunity to assess ourselves for future progress. In this way, we can move closer to excellence in all respects necessary for a better and more developed society.

06-04-2022 04:34:44

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.2.2	**Number of Add on /Certificate programs offered during the last five years** 1.2.2.1. **How many Add on /Certificate programs are offered within the last 5 years.** Answer before DVV Verification: <table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>159</td><td>141</td><td>61</td><td>37</td><td>25</td></tr></table> Answer After DVV Verification : <table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>158</td><td>140</td><td>60</td><td>36</td><td>24</td></tr></table>
1.2.3	**Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years** 1.2.3.1. **Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years** Answer before DVV Verification: <table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>2222</td><td>3436</td><td>3196</td><td>2715</td><td>2287</td></tr></table> Answer After DVV Verification : <table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>2222</td><td>3436</td><td>3196</td><td>2715</td><td>2287</td></tr></table>
1.3.2	**Average percentage of courses that include experiential learning through project work/field work/internship during last five years** 1.3.2.1. **Number of courses that include experiential learning through project work/field work/internship year-wise during last five years** Answer before DVV Verification: <table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>453</td><td>427</td><td>412</td><td>409</td><td>409</td></tr></table> Answer After DVV Verification : <table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>540</td><td>489</td><td>474</td><td>483</td><td>474</td></tr></table>

1.3.3	**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year**
	1.3.3.1. **Number of students undertaking project work/field work / internships** Answer before DVV Verification : 2901 Answer after DVV Verification: 3938 Remark : 1) Input edited as per authenticated list Kindly provide index number wise data so that it is easy to count.
2.1.2	**Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)** 2.1.2.1. Number of actual students admitted from the reserved categories year-wise during the last five years Answer before DVV Verification: 	2020-21	2019-20	2018-19	2017-18	2016-17
---	---	---	---	---
464	443	386	312	399 | Answer After DVV Verification : | 2020-21	2019-20	2018-19	2017-18	2016-17
---	---	---	---	---
340	340	326	256	345	
2.4.3	**Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)** 2.4.3.1. **Total experience of full-time teachers** Answer before DVV Verification : 2147.87 Answer after DVV Verification: 2148.53
3.1.2	**Percentage of teachers recognized as research guides (latest completed academic year)** 3.1.2.1. **Number of teachers recognized as research guides** Answer before DVV Verification : 25 Answer after DVV Verification: 24
3.1.3	**Percentage of departments having Research projects funded by government and non government agencies during the last five years** 3.1.3.1. **Number of departments having Research projects funded by government and non-government agencies during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
6	6	5	5	0

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
7	5	4	1	0

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

2020-21	2019-20	2018-19	2017-18	2016-17

3.3.1	**Number of Ph.Ds registered per eligible teacher during the last five years** 3.3.1.1. **How many Ph.Ds registered per eligible teacher within last five years** Answer before DVV Verification : 34 3.3.1.2. **Number of teachers recognized as guides during the last five years** Answer before DVV Verification : 25 Answer after DVV Verification: 24

3.5.2	**Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years** 3.5.2.1. **Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
13	17	10	9	8

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
13	17	10	8	8

4.1.3	**Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.** *(Data for the latest completed academic year)* 4.1.3.1. Number of classrooms and seminar halls with ICT facilities Answer before DVV Verification : 43 Answer after DVV Verification: 44 Remark : HEI input changed as per the geo-tagged photographs.

4.2.3	**Average annual expenditure for purchase of books/e-books and subscription to journals/e-**

journals during the last five years (INR in Lakhs)

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
16.42204	15.30308	6.4986	13.87607	19.63689

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
2.60702	15.30308	6.4986	13.87607	19.63689

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2560	3895	4010	3937	3918

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
337	276	547	335	299

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
74	63	19	17	12

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
74	23	19	17	12

6.4.2 | **Funds / Grants received from non-government bodies, individuals, philanthropers during the**

last five years (not covered in Criterion III)

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
10	0	0	0	0

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

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**

Answer before DVV Verification : A. 4 or All of the above
Answer After DVV Verification: B. 3 of the above

2.Extended Profile Deviations

ID	Extended Questions
1.2	**Number of programs offered year-wise for last five years**

1.2 — **Number of programs offered year-wise for last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
15	14	13	13	13

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
16	14	13	13	13

2.1 — **Number of students year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
4045	4080	4141	4130	4168

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
4046	4101	4187	4112	4169

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
464	443	386	312	399

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
464	443	386	312	364

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
248	260	272	292	282

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
228	231	231	292	282

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