SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

S J C INSTITUTE OF TECHNOLOGY

POST BOX NO 20, B B ROAD CHICKBALLAPUR
562101
www.sjcit.ac.in

SSR SUBMITTED DATE: 21-10-2022

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

October 2022

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

SJC Institute of Technology has completed 36 successful years of relentless service in providing quality technical education especially for rural students and marching ahead towards achieving the Vision of our Founder President **His Holiness Jagadguru Padmabhushan Sri Sri Sri Dr. Balagangadharanatha Mahaswamiji** under the guidance and leadership of our present President **His Holiness Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji.**

Institute is recognized as one of the leading institutions in Karnataka. In completing its 36th year of establishment, it has grown by leaps and bounds in terms of increased number of UG & PG programmes, intake, placements and R&D initiatives. Institute has successfully obtained NAAC and NBA Accreditation, included 11 Undergraduate Programmes, 5 Postgraduate Programmes in Engineering along with PG Programme in MBA and 8 VTU Recognized R&D Centres offering Ph.D Programme with a total sanctioned intake exceeding 840. The Institute is well-developed with excellent infrastructure, state-of-the-art laboratories, centres of excellence and dedicated team of competent faculty members.

The Institute is marching ahead in its road of success by showing continuous improvement in preparing competent Engineering and Management Professionals with good number of placements and university ranks in almost all the departments. The focus is to achieve excellence in the field of technical education in order to satisfy the industry and societal requirements with the best talented technocrats and management professionals from this temple of learning.

The Institute has many accomplishments over the years that include accreditation by NAAC & NBA (CSE,ECE,ME,CV,ISE & AE), Gold rated by QS-I Gauge, 4.0 Star rating by IIC, Times of India rating, Dataquest Ranks, Substantial funding from NAIN, KITS, VTU, VGST, AICTE, MSME, DST etc., Also, recognizing the significant and consistent performance, the Government of Karnataka has selected our Institution for Super-30 under Regional Ecosystem for Technical Excellence (RETE) Programme.

Vision

Preparing Competent Engineering and Management Professionals to Serve the Society

Mission

- Providing Students with a Sound Knowledge in Fundamentals of their branch of Study.
- Promoting Excellence in Teaching, Training, Research and Consultancy.
- Exposing Students to Emerging Frontiers in various domains enabling Continuous Learning.
- Developing Entrepreneurial acumen to venture into Innovative areas.

- Imparting Value based Professional Education with a sense of Social Responsibility

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. NBA (CSE,ECE,ME,CV,ISE & AE) and NAAC Accredited
2. Participative & Proactive Management
3. Competent Faculty with good SFR
4. Good Infrastructure with spacious laboratories & ICT enabled classrooms.
5. Student Activities through SEED (Student Excellence & Empowerment Development Centre)
6. Placements & Internships following blended training model
7. Successful Alumni
8. Paper Publications & funding by Students & Faculty
9. Decentralized & disciplined work culture

Institutional Weakness

1. Attracting quality Students from outside Chickballapur and Kolar regions.

2. Student Exchange Programs needs to be strengthened

3. Industry -Institution Interactions to be increased with industry specific labs

4. Book writing by faculty has to be focused

5. Limited diversity/depth of course offerings/ research areas

Institutional Opportunity

1. To become Autonomous Institution / Deemed to be University

2. Brilliant career opportunities for graduates.

3. Splendid opportunities for interdisciplinary research as per NEP

4. Excellent Opportunities for funded projects through VTU/VGST/ AICTE/DST/NSF/NRB Improving Academic performance.

5. Heritage Advantage of Sri Math

6. Making the best use of Make-in India, Start-up India initiatives promoting incubation & Entrepreneurship

7. Placing the institution at high position in NIRF and other ranking agencies.

Institutional Challenge

1. Improving communication skills of the students from the rural areas with diverse background

2. Striking the balance between Academic, Research and Consultancy work

3. Achieving 100% of Students completing the degree within 4 years.

4. Admissions to Non-IT courses

5. Publishing Papers at Reputed/Indexed Journal like ACM/IEEE transactions

6. Direct competition from deemed universities & Autonomous institutions

7. Attracting diverse National & International Faculty & Students.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The Institute targets on Outcome Based Education (OBE) in all programmes and courses with clearly defined learning objectives and outcomes to align with the vision and mission of the college. The Institute follows the curriculum prescribed by Visvesvaraya Technological University (VTU). Academic Calendar of the Institute is prepared in compliance with the academic schedule of VTU. Academic Calendar of the Department is prepared in line with the Institute's academic calendar which includes various events like Value Added Courses, Expert Lectures, Workshops, Seminars, Symposiums, Conferences, Industrial Visits and other Technical, Club and Cultural events. Various activities to support gender sensitization, environment issues, human values and professional ethics are organized to enhance the individual talents and ensure holistic development of the students. The Institute follows Choice Based Credit System (CBCS) as prescribed by VTU. Apart from syllabus coverage, in every subject some portions beyond the prescribed syllabus are covered. The students are encouraged to choose inter-disciplinary, intra-disciplinary courses that are offered as elective courses. The curricular gaps are identified and certificate/add-on/value added courses are conducted to complement student's knowledge and skills in their field of study. The main objective is to equip the students in current technologies and also to reduce the gap between academia and industry.

The Institute improves the soft-skills of the students by imparting blended training through SJCIT Corporate Placements and Industrial Relations Cell (SCP&IRC). The students strengthen their knowledge and skills through training, internships, projects and industrial visits. Faculty members are encouraged to participate in refresher courses, faculty development programmes and workshops to keep themselves updated. Regularly, feedback is taken from all the stakeholders and actions are executed to implement all the suggestions for continuous improvement. To assess the effectiveness of Curricular implementation plan, the IQAC of SJCIT reviews the academic preparation, orientation of faculty towards the subject, understanding of the curriculum requirements, teaching practices adopted by the faculty for each subject, previous appraisal and percentage results obtained etc., Based on this, specific aspects of the action plan to be contemplated are revisited. Courses on Ethics & Values and Environmental Studies are part of core courses. In the last 5 years, 37 value-added courses were offered and roughly around 20% of students have benefitted. It is visible from the data provided that around 70% of students are actively participating in curriculum enrichment activities. Thus, the institute

ensures the effective implementation of curricular aspects through administrative groups consisting of HoDs, Course Coordinators, Class Teachers and Time Table Officers.

Teaching-learning and Evaluation

The success of an Institution lies in its quality of teaching and learning processes, in which each stakeholder plays a vital role in achieving it. The State Government of Karnataka governs engineering admissions for UG and PG through a centralized admission process handled by Karnataka Examinations Authority (KEA). Highly qualified and committed faculty members remain the backbone of all the developmental trajectory of SJCIT. The diversity of faculty members and their unrelenting focus on teaching and research enable to realise the requirements of modern day teaching-learning process. The average demand ratio in last five years for admission is 5. The teaching schedule is meticulously planned in accordance with the University's Calendar of Events. Flexibility is included in the preparation to develop and implement custom made Learning methodologies (Collaborative, individual, experiential, problem solving, etc.,) to improve learning outcome. With 40% of courses following Project Based and Experiential Learning pedagogy, the emphasis of the teaching-learning process is on enhancing the learning experience.

The Institute creates Mentee-Mentor strategies for stress-related problems and seeks to create successful solutions for slow and advance learners. About 25 students are assigned to a faculty member for mentoring. The institute refers to both knowledge and intellect aspect of the Revised Bloom's Taxonomy to ensure the quality of teaching, learning and assessment processes. Quality checks of the internal Question paper are initiated at different levels-Course Coordinator, HoD and IQAC. Learning levels and COs are mentioned in the test question papers. Question papers are scrutinized to see the coverage of syllabus, break up of marks, difficulty level, etc. by the subject teacher or HoD. IQAC will administer internal assessments and semester-end exams. As a learning organization, we have always engaged in a continuous process of obtaining feedback from different stakeholders in a formal-informal manner and has enriched the teaching learning processes. The Institute strictly follows the associated university's directives to maintain the required student, full-time faculty ratio, ensuring quality education. The standard of the faculty present at the institute is demonstrated by their number of awards and recognitions.

Outcomes of all the courses are discussed with the students by the concerned teachers and made available on the website. Timely student satisfaction surveys are administered, and input is reviewed for appropriate action through the respective committee. 98% ICT enabled classrooms, use of learning management system and wide exposure to various digital tools, enable all faculty members to practice ICT enabled effective teaching. The faculty requirement is analysed and recruitment is carried out every semester. SJCIT has faculty strength of 189 and the faculty-student ratio is 1:16. Currently, 26% of faculty members are with Ph.D. qualification. The average experience of faculty members is 9 years. More than 50 faculty members have received awards, recognitions, fellowships at State, National and International level in the last 5 years.

Research, Innovations and Extension

The Institution has prioritized the Research and Innovation activities as a key field. The focus is to create an

ecosystem for developing research culture across and mainly to enable progression of students from rural back ground to get orient towards Innovative thinking and get involved in Research. To enable this the departments has established VTU approved Research Centre to purse Doctoral Program. About 45 research scholars are pursuing Doctoral Programs in the R&D centre. The Institution has received research funds of about Rs. 176 lakhs from various agencies like AICTE, NAIN, VGST, KSCST, KSTA etc., in the last five years and has contributed research publications of about 350 in reputed journals and published technical books. Apart from this during the year 2021-2022 about 11 Research Project Proposals for a worth of Rs. 143 lakhs are submitted by various departments. The Institution has 27 Patents in the stated period. The Institution has established 28 MoUs with leading agencies to augment Research, Training, Recruitment and Incubation related activities.

In addition the Institution has established a BGS Research Centre to promote Innovation, Entrepreneurship and to take care of Incubation activities. It coordinates with the different departments in the college to initiate related activities and has a dedicated team headed by Director to coordinate and monitor these activities. The Centre provides assistance for the Faculty and Students to carryout Research, apply for funding, initiate incubation activities and conduct awareness programs. This centre has established a company named as BGS SJCIT Incubation Foundation (BGS-SIF) under section 8 of Ministry of Corporate Affairs. The BGS-SIF has a space of over 15000 sq.ft with state-of-art facilities to nurture incubation activities. This centre has established collaboration with leading agencies BARC, & KITS / NAIN and obtained research grant of over Rs.100 lakhs. About 23 business ideas are being developed at this incubation centre. The Institution has a funding of Rs. 45 lakhs from MoMSE to set up facilities with an objective of motivating the students to initiate incubation centre in the field of manufacturing. Under this scheme, the Institution has set up 3D printing facilities and has involved in training the students. This centre along with IIC unit has involved in conducting awareness programs on IPR and Entrepreneurship, Ideathon, Hackathon, Internship Program and Extension activities. Ministry of Education has awarded 4 Star rating to IIC unit. For enabling the students to sensitize social problems, the NSS, NCC and Rotary Club units of the Institution are actively involved in conducting extension activities and has conducted about 117 programs. Presently one Start-up is established at the Institution.

Infrastructure and Learning Resources

Physical Infrastructure:

The Institute has well developed infrastructure comprising of 1 Administrative block and 5 Academic Blocks having 54 ICT enabled class rooms, 6 Seminar Halls, 3 Meeting Halls and 2 Board Rooms. The Seminar Halls are equipped with LCD projector, computer with internet connectivity and public address system. Also, the institute has one auditorium with a seating capacity of 1300 and one Amphitheatre for conduction of cultural and student centric activities. The Institution has 50 spacious Laboratories with required equipments and softwares for all the departments. All the laboratories are equipped with safety measures like Fire Extinguishers, First Aid Box etc. Gymnasium and Yoga Centre are also available in the campus. The institute has huge play ground having facilities for cricket, hockey, basketball, volleyball, football, running tracks etc., Also, Indoor stadium with badminton and table tennis courts.

Internet and ICT resources:

The college is facilitated with 1060 computers that are accessible to the students and the staff members for academic, research and examinations. The entire campus is monitored by CCTV facility. The CCTVs are installed in the college campus at Academic Block, IT Block , Library etc. which assist to monitor the campus

activities. Internet Bandwidth connectivity is upgraded to 800 Mbps as per the requirements. Wi-Fi connectivity is provided for the entire campus. The institute has a total of 99 LCD projectors, 3 Interactive flat panel displays of 65", 28 printers, 25 scanners and the necessary system & Application Software.

Library Resources:

Our Central Library covers an area of 9715 sq.ft. The library has good collection of books and Journals in Science, Engineering, Technology, Humanities and Management. It maintains separate collections of reference books, back volumes of journals and compact discs. The users can search the Library Online Catalogue by author's name, title, subject and keywords through LIBSUIT OPAC. The total collection of library books around 86220 volumes and 13621 titles, National, International Journals and Magazine. The Institute is subscribed to VTU Consortium e-Resources which extends facility to our students and faculty for accessing more than 6155 e-Journals and 5000 e-Books.

Maintenance of Campus Infrastructure:

Our Institution has a maintenance team comprising of Site Engineer, which carries out the maintenance of buildings, classrooms, seminar halls, and laboratories. The Maintenance team is headed by Registrar, who monitors the work of the Campus Supervisor at the next level. Major works will be completed during the winter and summer vacations and minor works are completed as needed without interfering with academic activities.

Student Support and Progression

The Institute has a Vision to mould true citizens through continuous support and enhancement of capabilities through various schemes and opportunities like **BGS Scholarship -** the scheme offered by the Management of BGS Group of Institutions that supports and enhances the learning of poor and meritorious students by reducing their financial burdens with fee concessions based on the cut off marks and means. Around Rs. 18 lakhs has been spent on this scheme from last five years. BGS Sports Scholarship - another scheme for supporting the talented students in sports and games through search hunt in the state.

Student Excellence and Empowerment Development Centre (SEED) through which capabilities of the students are tuned and promoted by various activities towards better qualities of leadership and life skills. Opportunities are wide opened to participate and experience administrative practices through Student Council, numerous clubs and committees functioning in the college. The future graduates are given freedom to nurture and flourish in learning toward their vision with protection and redressal polices through Anti Ragging with immediate actions.

SJCIT Corporate Placements and Industrial Relations Cell (SCP&IRC) supports students by nurturing them to develop their confidence, communication, soft and aptitude skills to cater the needs of industries with best placements and as well to crack the competitive exams.

Institute's Physical Education department offer places for games and sports. Institute assists students to exhibit their skills in cultural and sports by organizing many tournaments and encouraging students to participate in competitions at the Intra and Inter collegiate level. In last five years, Institute has hosted three Annual Sports competitions at the University level.

Alumni Connect - The college has an Alumni Association called SJC Institute of Technology Alumni

Association, that meets in the college campus on the Graduation Day and yearly twice. The Alumni Association seeks to unite graduates with each other and the current students through mentoring and career development programs, events and reunions and a range of volunteer opportunities.

Governance, Leadership and Management

The Institute's Vision and Mission are futuristic in nature. The Governing Council (GC) of the Institution is the main administrative body and its objective is to offer quality education in the best possible means to ensure that the graduates are employable and socially acceptable. The Institute believes in promoting a culture of delegation of powers through strategic policies. The various functional committees are formed to continuously monitor academic and non-academic activities, where the chairman of the respective committee plans, delegates and communicates the major responsibilities to its committee members.

The Strategic plan of the Institution is well defined and structured with an aim at accomplishing excellence through effective utilization of resources. Deployment of the quality policy is done by providing excellent academic infrastructure, conducive learning environment and harmonious work culture. The institution adheres to the procedure and policy guidelines as per AICTE. The Service manual of the institution summarizes the HR policies and practices which the Institution's Governing Council approves.

The Institution is governed in an e-governance model through an ERP, which provides a smooth flow of information between the Administration, Accounts, Examination, Staff and Students to enhance the speed and quality of internal functioning. The Institution has effective Welfare Schemes like EPF, Gratuity, leave benefits, financial support to participate in FDPs, Conferences Workshops, Seminars etc. Performance appraisal of staff is done annually by Academic Performance Evaluation Committee (APEC). The Institute organizes FDPs, Conferences, Workshops, Seminars etc., to provide the development of staff and students. The staff are motivated to participate in academic activities, trainings, refresher courses etc., to upgrade their knowledge.

SJCIT follows a strategy for mobilizing resources and ensuring transparency in the financial management. Institution regularly conducts Internal and External Financial Audits. The institution has an IQAC cell that creates and reviews quality initiatives.

Institutional Values and Best Practices

Grievance Redressal Cell of SJCIT conducts sensitization programmes for creating awareness on women's issues and motivating them to achieve their goals and make them aware of their rights. The Institute takes initiatives in exhibiting innovations in areas like rainwater harvesting, organic farms, RO plant, solar energy and massive plantation of saplings. The Institute is committed to keep the campus green & serene and has taken initiatives to minimize the use of plastics. The Institute imparts awareness to the society regarding the crisis issues and organizes rallies. Institution takes more care in providing students a good environment to learn thus aim to mould him into a good citizen of India. In order to achieve this, institute conduct various programs through Science day celebration and remembrance day of eminent personalities like Sir MV and also endeavour to instigate in the minds of budding engineers the sense of gratitude towards the achievers and in turn get motivated to think innovatively.

The student council plays a major role in addressing the major issues of the students and see that it gets solved with the support of the dedicated faculty members. Institute also provide fee waivers through BGS Scholarship scheme for deserving students. To enhance the leadership qualities, the college gives opportunity to the student in organizing cultural event - Sambhrama. The effective mentoring through student adoption scheme and continuous monitoring college establishes classroom discipline. The Institute has various committees working meticulously for the student's safety and security and tries to protect the students' right by providing a fearless and carefree environment. Use of ICT in the teaching learning processes is one of the highlights. Emphasis has been laid on entrepreneurship development by establishing BGS-SJCIT Incubation Foundation. Student-Institute relationship is established using DHI App along with social media, like facebook, WhatsApp to have a good rapo with the students. SJCIT Corporate Placements and Industrial Relations Cell (SCP&IRC) focuses in honing students' technical skills, knowledge and abilities to enhance their personality and make them industry ready.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	S J C INSTITUTE OF TECHNOLOGY
Address	Post Box no 20, B B Road Chickballapur
City	Chickballapur
State	Karnataka
Pin	562101
Website	www.sjcit.ac.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	G T Raju	08156-200183	9731292555	08156-200186	principal@sjcit.ac.in
IQAC / CIQA coordinator	Shobha B N	08156-200184	9845973725	08156-200186	iqac.sjcit@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular Day

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

State	University name	Document
Karnataka	Visvesvaraya Technological University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

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

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	03-07-2022	12	

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Post Box no 20, B B Road Chickballapur	Rural	64	47885

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)

Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Mechanical Engineering	48	TEN PLUS TWO OR PUC	English	60	11
UG	BE,Aerospace Engineering	48	TEN PLUS TWO OR PUC	English	60	32
UG	BE,Civil Engineering	48	TEN PLUS TWO OR PUC	English	90	29
UG	BE,Civil Engineering Kannada Medium	48	TEN PLUS TWO OR PUC	Kannada	30	0
UG	BE,Electronics And Communication Engineering	48	TEN PLUS TWO OR PUC	English	180	177
UG	BE,Computer Science And Engineering	48	TEN PLUS TWO OR PUC	English	180	180
UG	BE,Information Science And Engineering	48	TEN PLUS TWO OR PUC	English	120	120
UG	BE,Aeronautical Engineering	48	TEN PLUS TWO OR PUC	English	60	26
UG	BE,Computer Science Engineering Artificial Intelligence And Machine Learning	48	TEN PLUS TWO OR PUC	English	60	62

UG	BE,Artificial Intelligence And Data Science	48	TEN PLUS TWO OR PUC	English	60	0
UG	BE,Computer Science And Design	48	TEN PLUS TWO OR PUC	English	60	0
PG	Mtech,Mtech Structural Engineering	24	BE OR BTECH	English	18	3
PG	MBA,Master Of Business Administration	24	BE OR BTECH or BBA or BCOM	English	60	60
PG	Mtech,Mtech Infrastructure Engineering And Management	24	BE OR BTECH	English	18	2
PG	Mtech,Mtech Machine Design	24	BE OR BTECH	English	9	4
PG	Mtech,Mtech Digital Communication And Networking	24	BE OR BTECH	English	9	0
PG	Mtech,Mtech Computer Science And Engineering	24	BE OR BTECH	English	18	0

Position Details of Faculty & Staff in the College

Teaching Faculty											
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				23				30				137
Recruited	16	4	0	20	28	2	0	30	93	44	0	137
Yet to Recruit				3				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				80
Recruited	65	10	0	75
Yet to Recruit				5
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

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Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				60
Recruited	48	6	0	54
Yet to Recruit				6
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	16	4	0	18	2	0	8	1	0	49
M.Phil.	0	0	0	0	0	0	3	0	0	3
PG	0	0	0	10	0	0	83	44	0	137
UG	0	0	0	0	0	0	0	0	0	0

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

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

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	8	0	0	8

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	1070	286	0	0	1356
	Female	1373	121	0	0	1494
	Others	0	0	0	0	0
PG	Male	79	2	0	0	81
	Female	63	3	0	0	66
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		**Year 1**	**Year 2**	**Year 3**	**Year 4**
SC	Male	35	34	37	38
	Female	24	29	24	22
	Others	0	0	0	0
ST	Male	17	10	10	16
	Female	12	12	12	9
	Others	0	0	0	0
OBC	Male	253	257	288	303
	Female	226	222	230	247
	Others	0	0	0	0
General	Male	97	83	118	114
	Female	55	55	66	57
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		719	702	785	806

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	SJC Institute of Technology has always strived for a multidisciplinary approach in its academic and co-curricular activities. Students are motivated to undergo industrial projects in the Multidisciplinary/ Interdisciplinary mode by formulating teams from different programmes. Students are also encouraged to formulate teams from diverse disciplines to participate in various technical activities like VIGNATHAM (Project and Technical Symposium), Conferences etc.,
2. Academic bank of credits (ABC):	Academic Bank of Credits (ABC) is a virtual/digital storehouse that contains the information of the credits earned by individual students throughout their learning journey. It will enable students to open their accounts and give multiple options for entering and leaving colleges or universities. Our institute is in the process of developing a system for executing ABC in true spirit. ABC as envisioned in the National Educational Policy-2020 provides a national level facility promoting flexibility of curriculum framework along with other multidisciplinary mobility of students across the Higher Education Institutions in the country with appropriate credit transfer mechanism created through these regulations. Academic Bank of Credits has been established on the lines of the National Academic Depository (NAD), in the sense, NAD is the backbone of ABC, where the students' academic data are held and academic awards are stored (i.e. storehouse of academic awards). Despite the fact that ABC enables students to register or commence credit transfer, the final outcomes of credit redemption and issuance of certificates, as well as the compilation of award records, are administered by academic institutions via the NAD Platform. The National Academic Bank of Credits (ABC) portal has been integrated into the nad.digitallocker.gov.in platform and is currently in live from the academic year 2021.
3. Skill development:	Skill is a Practiced ability or expertise in a given ability that can be applied in wide range of situations. Basically, two types of skills: hard skill and soft skill. Hard skills are quantitative in nature, which can be seen in grades and percentage. Soft skills are otherwise called as human skills. Soft skills are exhibited by personal qualities like responsibility, self-esteem, sociability, self-Management and

	integrity/honesty. Objective is to strengthen our students' communication skill in accordance to corporate needs. The following activities have been conducted for continual upskilling. • Regular communication skill classes for all the students from the day of entrance in to our campus. • Activities like critical thinking, case studies, Brain storming, Decision making, problem solving, effective presentation, versatile writer and an ability to collaborate and communicate along with sense of responsibility towards personal and society at large. • Regular GDs personality development programs and interview skills for the final year students. • Communication classes for all the levels including various activities. • Engaging and motivating the learners to develop the vocabularies from first year onwards to speak and write in English without mistakes.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Our Institution has Literary forum in which we encourage students to share their literary knowledge and culture of their respective languages. We have a mixture of students from Kannada speaking and Telugu speaking migration. Hence the college authorities allow the students to utilize their literary knowledge and culture to spread their love and affection. As the institution adhere to the framework of VTU curriculum, the integration of Indian Knowledge system is integrated in the curriculum included as a mandatory credit courses such as Samskrutika Kannada (Kannada for Learners) / Balake Kannada (Kannada for Beginners) (3rd /4th Semester).
5. Focus on Outcome based education (OBE):	Programmes of SJCIT were accredited by NBA and at the same implementing OBE for all UG and PG programmes. we disseminate Program Outcomes (POs), Program Specific Outcomes (PSO), Program Educational outcomes (PEOs) and Course Outcomes (COs) in our institutional website and also in the prominent places of all UG and PG departments. Faculty members assess the performance of Students as per OBE attainment Process. The attainment for each course outcome is generally divided into two types: 1. Direct Assessment method 2. Indirect Assessment method The direct assessment is measured from internal assessment and external assessment. The internal assessment for each course is based on the student's knowledge skill and

	Student's academic performance in continuous internal assessment tests, seminars, classroom, laboratory assignments, semester end examinations, etc. This method displays strong evidence for student's learning. The Indirect assessment is measured through course end survey. The process used for setting course attainment benchmark values are • The course-wise university grades for previous years were analysed. • The course proficiency and the level of attainment are set by the course coordinator. • The appropriate course target level for the entire programme is set in the DAB Meeting. • The set target level is revised in the DAB meeting after the attainment of three consecutive batches is achieved. Attainment of Program Outcomes and Program Specific Outcomes: PO/PSO assessment is done by giving 80% proportion to direct assessment and 20% proportion to indirect assessment. Direct assessment is based on CO attainment, where proportion is given to attainment through university exams and internal assessments. Indirect assessment is done through the programme exit survey. Assessment Tools – PO/PSO attainment 1. Direct Mode: Course Attainment 2. Indirect Mode: Programme Exit Survey Frequency of evaluation: At the end of programme completion. The process used for setting POs / PSOs attainment benchmark values: • The target values for POs / PSOs attainment for the entire programme are reviewed and approved by DAB Meeting considering POs / PSOs attainments of previous batches. • The POs / PSOs target level is revised after the attainment of three consecutive batches are achieved.
6. Distance education/online education:	Online education plays a crucial role for past two years in our student's life due to pandemic situations. In online education, learners are adopted to the environment in learning through Google meet, Zoom, Webex, MS-Teams and to other platforms in which online education has broken the geographical barriers creating interaction of experts and students from distant geographies. Learners are motivated to interact with the experts which paved the way of adopting both online and regular mode of education. So, this new education policy promotes the blended learning system of learning. Online education strengthen the confidence of the learners and have adopted to the situations that they could balance both

	online and offline teaching - learning environment. The Institution has already integrated an Online and Offline Training Methodology for students, preparing them towards Placements and Competitive Exams.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
2997	2940	2862	2862	2730

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 236

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
189	179	189	196	198

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
492.92	384.73	864.56	981.24	1655.16

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

SJC Institute of Technology(SJCIT) has a well-defined, documented process to ensure effective planning and delivery of curriculum framed by Visvesvaraya Technological University (VTU), Belagavi, to which it is affiliated. The institute follows the Choice Based Credit System (CBCS) as prescribed by VTU. The Academic Committee prepares and disseminates the academic calendar for every semester in accordance with the university academic schedule, which comprises the duration, internal assessments for theory and lab courses. In addition to this, intitute flagship events such as annual fest-Sambrama, Graduation day, Sports day, General Holidays, Student Excellence & Empoerment Development(SEED) Activities, Soft-skill training, Seminars and HR Training are also included in to Institute Academic Calender. Inline with Institute Acaemic calendar, department wise Academic Calendar is prepared to accomodate additional activities to supprot **academic flexibilty** and to **enrich curriculum.**

The Heads of Departments (HoD), at least one month pririor to the ensuing semester, allocates the courses (theory and laboratories) to the faculty members without biasing by considering their specialization and expertise besides their preference. The course coordinator and course instructor prepare the Course Outcomes (COs) for each course as per Outcome Based Education (OBE) requirements and maps with Program Outcomes (POs) and Program Specific Outcomes (PSOs). The Program Assessment Committee (PAC) reviews the COs and their mapping, verifies and forward to the Department Advisory Board (DAB) for final approval. The department prepares the timetable for theory & lab courses and project work based on the credits allotted for each course, along with slots for remedial classes and industry-oriented certification courses. After the review and approval from the HoD, the course instructor prepares a comprehensive lesson plan and study materials such as lecture notes, a question bank, assignments, Power Point presentations, laboratory manuals focusing on OBE. The faculty then delivers the course as per the lesson plan using ICT tools and innovative Teaching-Learning pedagogy.

Head of the Department, along with department reviewes regularly monitors the *course coverage*, *effective content delivery* and *adherence* to **academic calendar** through **periodic review, student feedback** and **performance** in *Continuous Internal Evaluation* (CIE) and implements corrective measures on need basis. VTU conducts Semester End Examination (SEE) as per its schedule. When SEE results are anounced, every department shall do a detailed result analysis to asses the final Academic performance of of the students. The Program Assesment Committe (PAC) and Department Advisory Board (DAB) review the overall attainment of the Program Outcomes(POs) and Program Specific Outcomes(PSOs) and incorporate action plans to ensure that the curriculum is effectively delivered to attain all the stated POs and PSOs meeting the Mission and Vision of institution.

In addition to the course delivery, **problem based learning**, **group discussions**, **seminars**, **workshops**, **industrial visits,** and **industry-oriented certification courses** are conducted for skill development and to bridge the **curriculum gap**s. The HoD along with concerned intructors interact with stakeholders to review the effectiveness of course delivery at regular intervals. Further, the course instructor identifies the slow and advanced learners based on their continuous internal evaluation. Remedial classes and counseling supports are provided for slow learners as additional support and advanced learners are encouraged to pursue courses through **Self-learning activities.**

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

1.2 Academic Flexibility

1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Response: 37

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

Response: 19.4

1.2.2.1 **Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
399	412	616	789	576

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[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 institute follows curriculum prescribed by the university and integrates various socially relevant cross-cutting issues like ethics, human values, environment, etc., across UG and PG programs to sensitize the students.

Human Values and Professional Ethics:

Human values and professional ethics are addressed through the course "Constitution of India, Professional Ethics and Cyber Law" offered in the III/IV semester of engineering programme. The primary objective of this course is to ensure that the students have knowledge of the constitution, fundamental duties and rights of citizens, professional ethics and the responsibilities of engineers. The course also provides awareness about cybercrimes and cyber laws. The students of First Year UG will undergo Student Induction Program (SIP) in which cross-cutting issues like Human Values and Professional Ethics are addressed. The course "Workplace Ethics & Value System" in the 2014 and 2016 schemes for the MBA students provides insight into the workplace ethics apart from acquiring knowledge about corporate governance.

Environment and Sustainability:

The issues of Environment and Sustainability are addressed through the course **"Environmental Studies"** offered to engineering students in the V semester. Through this course, students are sensitized to ecological and environmental issues connected with land, air, and water, with awareness on sustainable development.

Gender equity:

SJCIT, imparting quality education to shape global leaders has firm belief in gender equity which is indispensable to ensure sustainable development of a country. Institute has initiated promising measures to sensitize and promote gender equity amongst the stakeholders through curricular and co-curricular activities. To promote gender equity among the students, institute supports flexible seating arrangements in the class rooms, equal representation of both gender in the leadership positions of class and college level committees, curricular and co-curricular activities. The institute makes concerted efforts to create a congenial environment free from gender discrimination through mutual respect.

Apart from the above, the institute organizes various awareness programs and activities on cross-cutting issues with the support of external organizations and experts. The NSS activities, Swachh Bharath Abhiyan, blood donation and health awareness camps conducted by Rotary Club play vital role in promoting inclusive environment towards regional and socioeconomic diversities among students making a

Positive difference and shaping them into wholesome professionals.

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

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

Response: 69.54

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

Response: 2084

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.4 Feedback System

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)

Response: Yes

File Description	Document
Upload supporting document	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response: 78.05

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

2021-22	2020-21	2019-20	2018-19	2017-18
719	704	786	812	627

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

2021-22	2020-21	2019-20	2018-19	2017-18
972	972	990	870	870

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the last five years (Exclusive of supernumerary seats)

Response: 46.15

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

2021-22	2020-21	2019-20	2018-19	2017-18
175	121	256	252	238

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

2021-22	2020-21	2019-20	2018-19	2017-18
478	477	477	413	413

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.2 Student Teacher Ratio

2.2.1 Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 15.86

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 using ICT tools

Response:

The Institution practices a Quality Teaching-Learning Process that is student centric and focuses on providing a holistic development in shaping the future Engineers and Managers. Students from multi-cultural and multi-lingual background are provided with support system that balances each of their intellectual and cognitive capabilities.

The teaching process ensures that the students transform from a passive recipient to active participant resulting in a uniform learning outcome, and ensure each student's involvement in all the class activities. The learning process is facilitated at the ICT enabled Classrooms and Tutorials. Students are encouraged to learn through various activities like Group Discussion, Peer learning, Seminars and implementation of Mini-Projects. In addition to these, Interactive Multimedia tools, Language lab, Industrial Visits, Field Work enhances student participation. Tutorial sessions are conducted to promote participative learning among the students.

The learning process is augmented with online certifications like **NPTEL, Coursera, Udemy Courses** which provides beyond the Text book learning. The laboratories of each departments augment the learning process through Lab Manuals and hands-on sessions to master the practical implementations of the concepts. Internal assessments, Assignments, Forum Activities are conducted to enhance the student's capability of researching, confidence, presentation and writing skills.

Interaction with Industry experts and exposure to the latest trends and technologies are facilitated through Talks and Workshops conducted the Department forums. Certification Courses on Automation Technology, Design Tools, CATIA Courses are offered through the Centers of Excellence of Bosch

Rexroth, EDS Technologies, etc.,.

Participation in Extension activities, Co-curricular activities provide an opportunity to enhance Personality Development and contribute towards the Society. Student representation in administrative committees empowers them to learn and involve in the decision-making process and inculcate a sense of responsibility towards becoming a Professional and Responsible Citizen.

The learning process is supplemented by encouraging students to develop competitive Projects which has resulted in innovative ideas winning laurels at National/State level events and highlighted the continuous process of experiential learning through implementation. Academic Excellence and University Ranks every year exhibits the inculcation of quality learning experience integrated towards achieving the vision of the Institute.

Information & Communications Technology (ICT) enabled teaching methodologies have revolutionized the way of teaching in the modern era. SJCIT is ICT enabled campus that has Wi-Fi connectivity throughout with a 800 Mbps Internet connection, 54 ICT enabled Class Rooms, 6 Seminar Halls with state-of-the-art infrastructure and an Auditorium. Access to the huge repository of e-Resources, Journals at the Library is provided through online mode.

Thus, SJCIT extensively uses Technology enabled Learning to achieve the learning effectiveness.

File Description	Document
Upload Additional information	[View Document]
Provide Link for Additional information	[View Document]

2.4 Teacher Profile and Quality

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

Response: 98.65

2.4.1.1 **Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:**

2021-22	2020-21	2019-20	2018-19	2017-18
190	190	190	196	198

File Description	Document
Upload supporting document	[View Document]

2.4.2 Percentage of full time teachers with NET/SET/SLET/ 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: 19.03

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

2021-22	2020-21	2019-20	2018-19	2017-18
49	38	34	33	27

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

SJCIT believes in transparency in every sphere of operation and ensures the robustness.

Transparency:

The Internal Assessment (IA) is well defined and structured. The institution has a de-centralized Internal Assessment under the aegis of the Chief Coordinator, IQAC and the Head of the Departments and are supported by IA coordinator from each department for smooth conduction of the IA tests. The schedule is notified in the Institute Calendar of Events at the beginning of the semester. The department IA coordinators ensure that the test timetable is set and published on the notice board.

The seating layout of each session is displayed in the department notice board and also circulated. The Observers nominated by IQAC visit the classrooms during the IA test.

For the Semester End Examination (SEE) of theory courses, the Principal is the Chief Superintendent (CS). The Deputy Chief Superintendent (DCS) external is appointed by the University and the DCS internal is appointed by the Principal. Any issues during the conduction of SEE are taken care of by the CS and DCS.

For SEE of practical courses, the Principal is the CS who oversees the practical batch creation. The internal and external examiners are appointed by the University. The marks are uploaded to the University web portal by the examiners immediately after the examinations.

Grievance Redressal is Time bound and Efficient:

The Course Instructors evaluate the IA test booklets and distribute to the students within a week from the date of test. The students verify their answer scripts in the presence of teacher and get their grievances resolved. Any grievances reported to HoD are resolved within a day. The finalized CIE mark is published after a week from the last working day of the semester and the same is submitted to the University through online web portal within the notified dates.

University ensures the transparency in conducting the examination by i) Distributing question papers just 30-45 minutes before the commencement of the examination using Question Paper Delivery System (QPDS) ii) Appointing one external deputy chief from other affiliated college, iii) By appointing flying squad to report malpractices if any. iv) The answer booklets are sent to the University. v) Digitizes answer booklets, conducts centralized evaluation. vi) University appoints evaluator and moderator for valuation. vii) Institute appoints a Professor as a VTU coordinator who addresses the queries related to the result, marks card, hall tickets etc. at the University level.

The grievances related to the SEE, whenever found are immediately communicated to the university through the Principal. In addition to this, the institution intervenes and makes provisions for scribes for students on need basis with prior permission from the University. The students are entitled to apply for revaluation and photocopy of the answer script after the declaration of SEE results.

The University generally announces the SEE result within 45 days from the date of completion of SEE. The applications of students for revaluation/photocopy of the answer script are filed by the class advisor/mentors once notified by the University. Any grievance related to SEE will be communicated to the University and is usually resolved within 1 to 3 weeks. The structure of the Examination section for SEE is as shown in Figure 2.
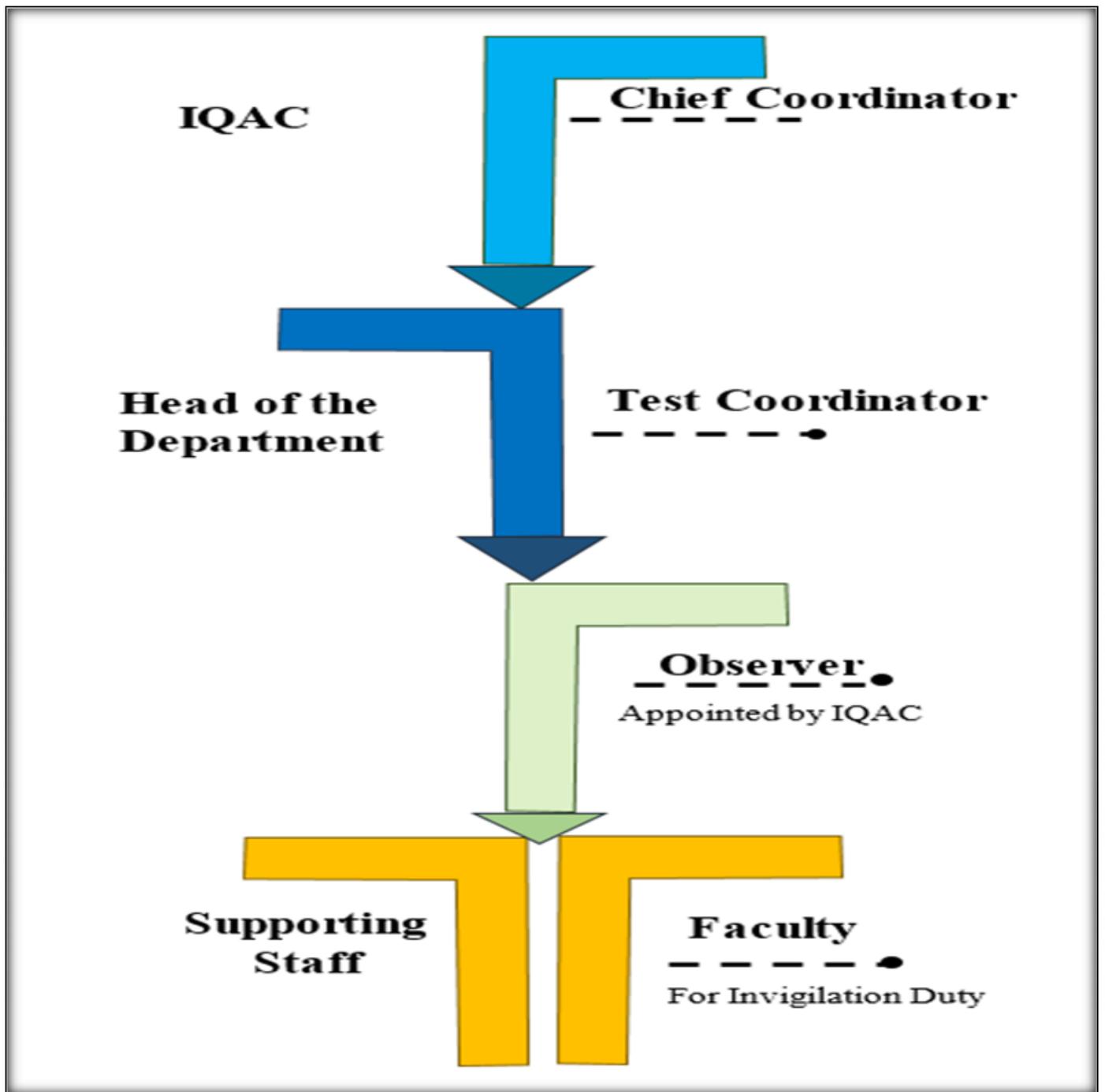
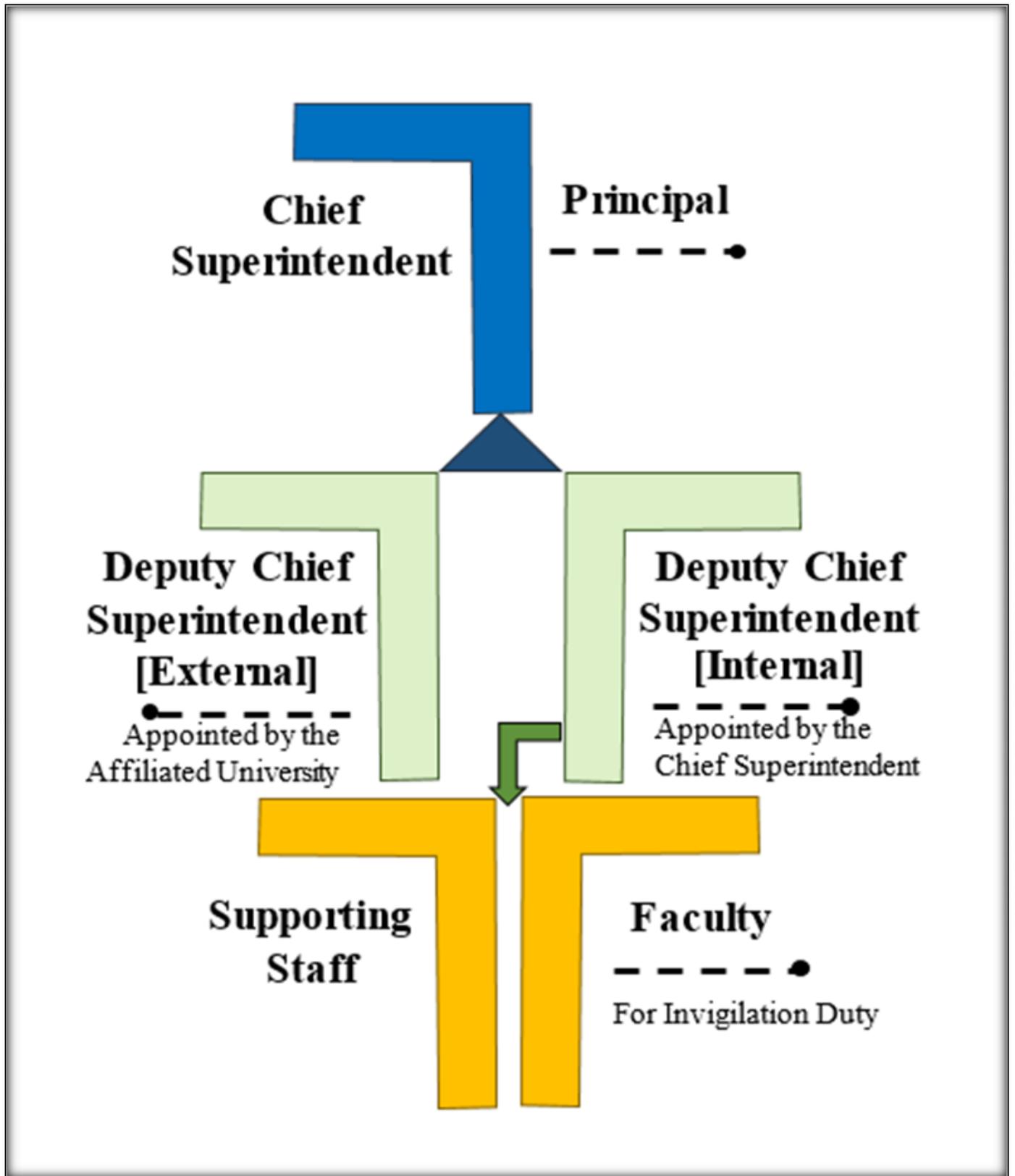**Figure 1: Structure of the Internal Assessment Test**

Chief Superintendent — Principal

Deputy Chief Superintendent [External] — Appointed by the Affiliated University

Deputy Chief Superintendent [Internal] — Appointed by the Chief Superintendent

Supporting Staff

Faculty — For Invigilation Duty

Figure 2: Structure of the Semester End Examination

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

2.6 Student Performance and Learning Outcomes

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

Response:

The institute practices student-centric Outcome-Based Education (OBE) for effective implementation of Teaching-Learning Process to provide quality education to the students of diverse backgrounds. The Course Outcomes (COs), the Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) are the three major components of OBE for continuous quality improvement. It mainly focuses on knowledge and skills that students can demonstrate at the end of the course. COs are defined by the Course Instructors in consultation with the Stream Coordinator, reviewed by Programme Assessment Committee (PAC) and approved by Department Advisory Board (DAB). POs are the statements about Knowledge, Skills and Attitude that the graduates should have and are defined by National Board of Accreditation (NBA).

The COs are disseminated to all the stakeholders through mail as well as uploaded on institute website, which is the most prominent digital tool to communicate. COs of the respective course is made available through the Academic record and Course file; and disseminated through the Laboratory record and notice board, and communicated to the students at the beginning of each semester. Further, POs are disseminated at prominent places like Office of Heads of the Department, common movement areas and Laboratories. The propagation of COs, POs and PSOs is also shown in Figure 1.
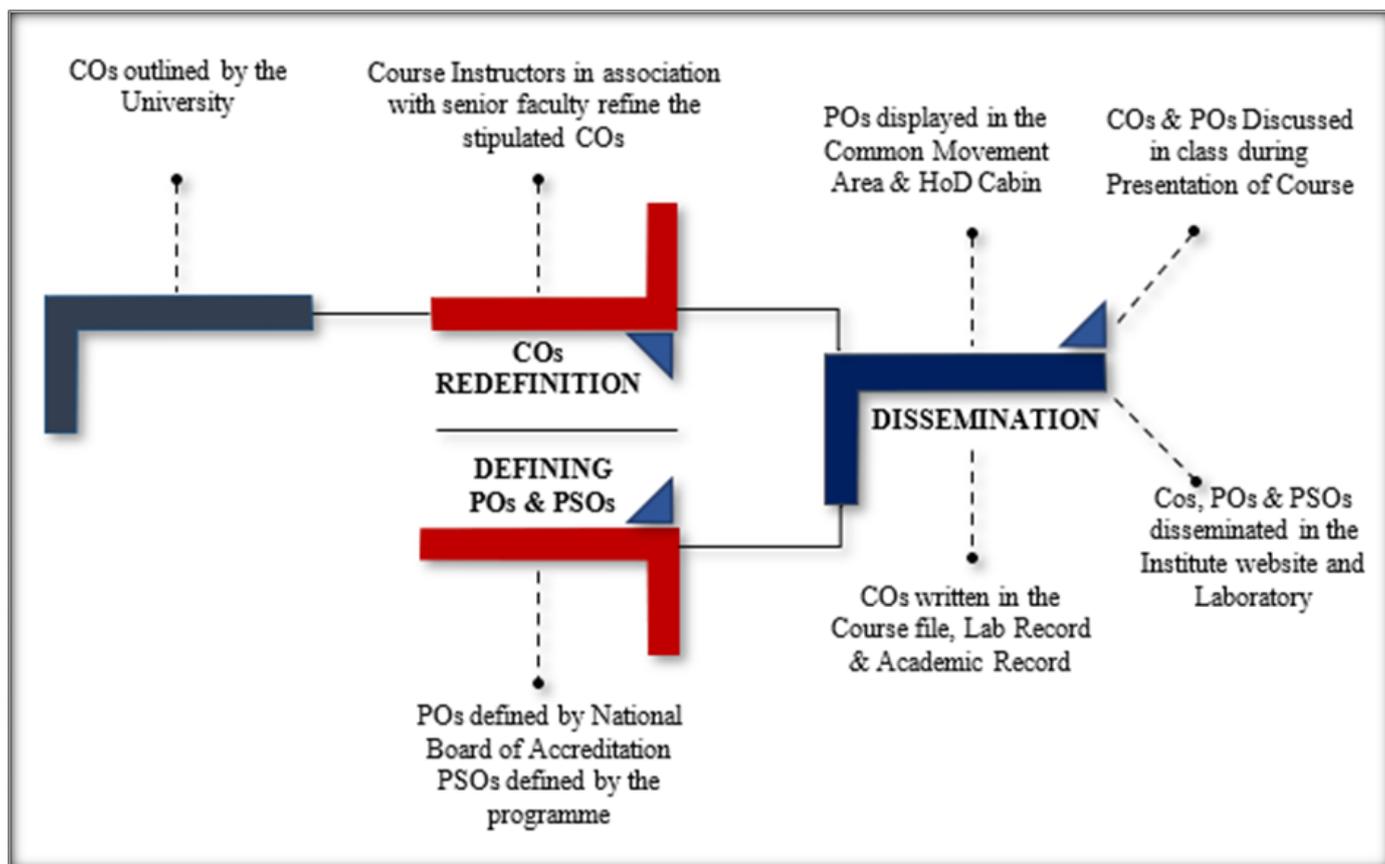
Figure 1: Propagation of COs, POs and PSOs

The institution has adopted a resilient system for measuring the attainment of COs, POs and PSOs. The methods of measuring the attainment of COs, POs and PSOs are:

- Direct Attainment.
- Indirect Attainment.

The attainment of the COs has been measured by considering the performance of the students in the Continuous Internal Evaluation (CIE) and Semester End Examination (SEE). The assessment of the COs involves formative assessment tools (Internal Assessment Test, Assignment) and summative assessment tool (SEE). The weightage adopted by the institution is 40% for formative assessment and 60% for summative assessment as shown in Figure 2.

Direct CO Attainment:
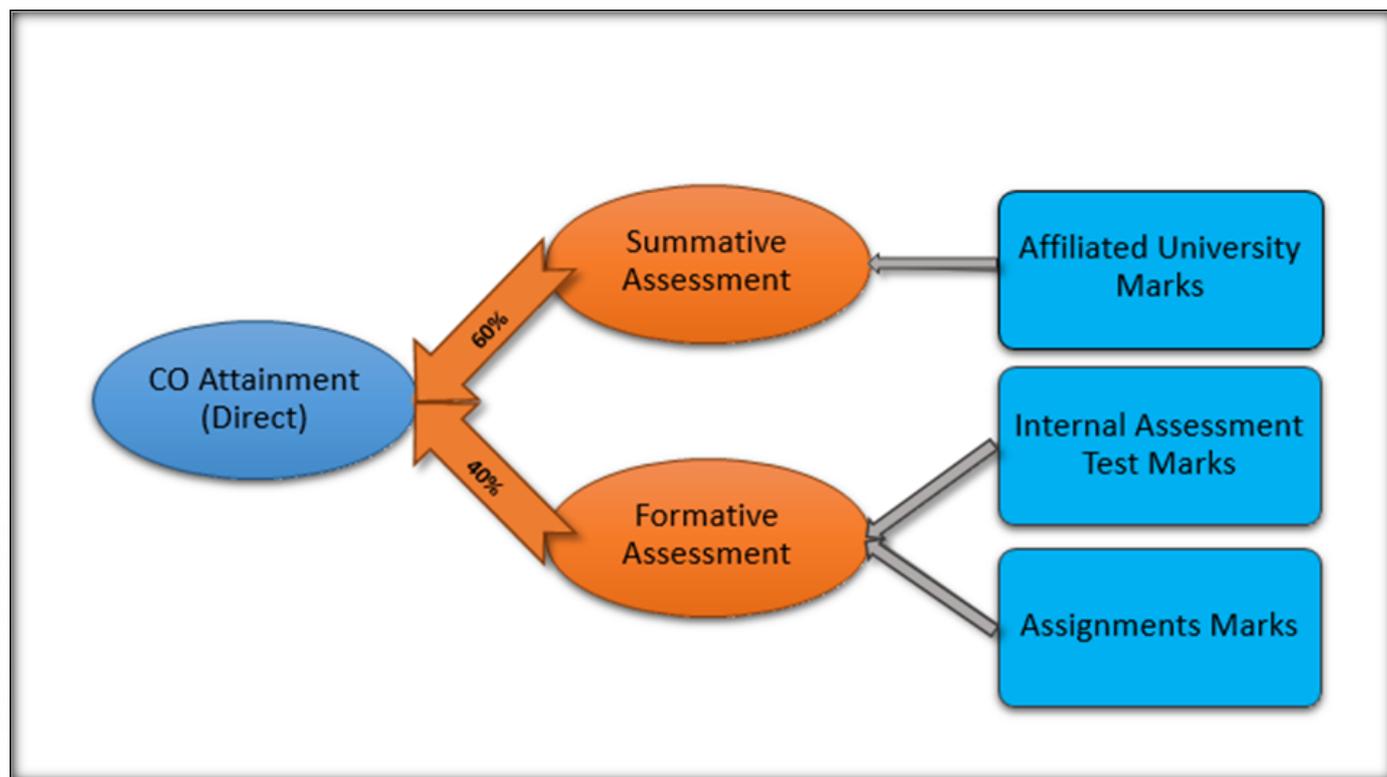
Figure 2: Direct CO Attainment Process

The CIE includes internal assessment (IA) tests and assignments & the SEE is conducted by the affiliating university.

To assess the CIE marks, three IA tests are conducted and evaluated for 30 marks each and three assignments which include Quizs, Seminars, Mini Project, etc., are evaluated for 10 marks each. The CIE marks of a student is the sum of the average marks scored in the IA tests and the assignments for a maximum of 40 marks, which is considered for measuring the individual CO attainment. The benchmarks used for CO attainment for CIE and SEE are given in Table 1.

Table : The bench marks used for CO Attainment for CIE and SEE

Assessment Type	Class Average	Attainment Level
Continuous Internal Evaluation (CIE)	>= 75%	3
	< 75% and >= 65%	2
	< 65% and >= 50%	1
Semester End examination (SEE)	>= 60%	3
	< 60% and >= 50%	2
	< 50% and >= 45%	1

Indirect CO and PO Attainment:

Indirect attainment of COs is determined using Course Exit Survey (CES) of respective courses and POs

using Graduate Exit Survey(GES) at the end of the programme . The overall CO and PO attainment level is calculated by considering 90% weightage of Direct Attainment and 10% weightage of Indirect Attainment. CO-PO-PSO attainment will be discussed in the Department Advisory Board meeting to identify the gaps in curriculum if any or to set new benchmark for the attainment of POs.
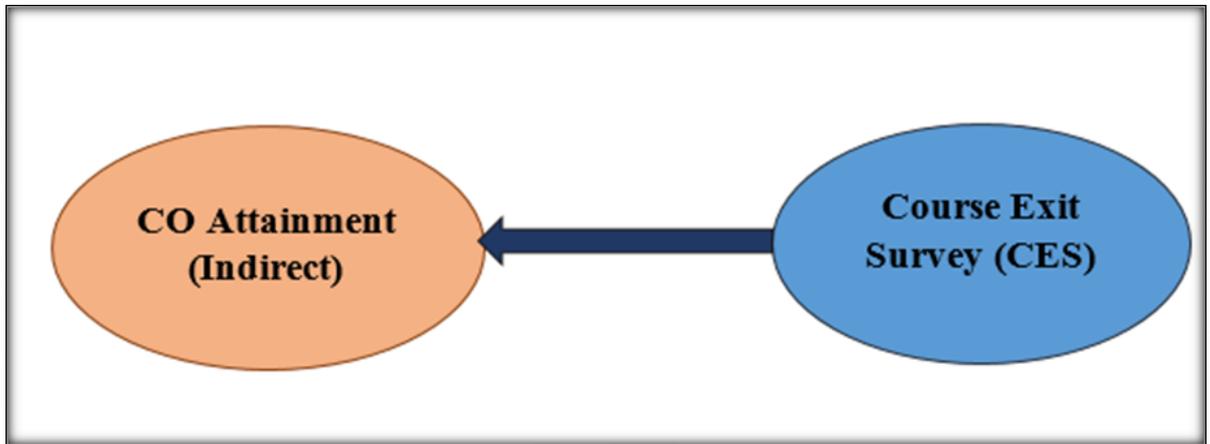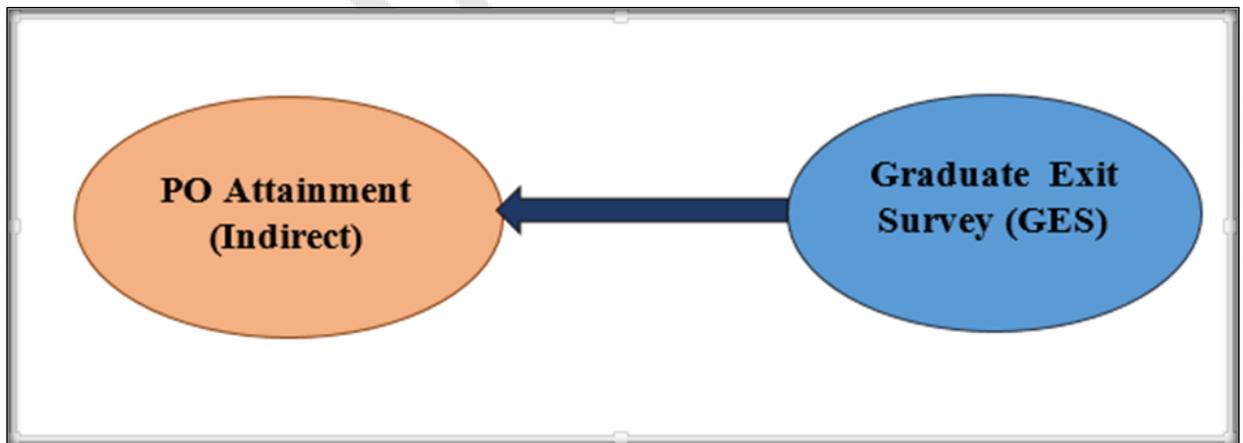

Figure 3: Indirect CO Attainment Process

Figure 4: Indirect PO Attainment Process

File Description	Document
Upload Additional information	[View Document]
Provide Link for Additional information	[View Document]

2.6.2 Pass percentage of Students during last five years

Response: 97.41

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

2021-22	2020-21	2019-20	2018-19	2017-18
734	647	750	706	702

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

2021-22	2020-21	2019-20	2018-19	2017-18
761	664	759	726	723

File Description	Document
Upload supporting document	[View Document]
Institutional data in the prescribed format	[View Document]

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all students on roll	[View Document]

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

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

Response: 176.66

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)**

2021-22	2020-21	2019-20	2018-19	2017-18
21.31	48.57564	24.54	36.955	45.28

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.2 Innovation Ecosystem

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

Response:

The Institution has established BGS Research Centre to promote Innovation, Entrepreneurship and to take care of Incubation activities. It provides guidance, infrastructure and enables the students to translate their technological / business ideas to proof of concept (POC) and to Proto type to the level of products and processes. This centre has established a non-profit company named as BGS SJCIT INCUBATIONFOUNDATION [BGS SIF] under section 8 of Ministry of Corporate Affairs, Government of India. The Institution has vision to strengthen Research and Development, Innovation, Incubation and Entrepreneurship related activities through BGSSIF.

The objectives of the center is to

1. To inculcate innovation culture within the teaching faculty and students of all educational streams and interested local community.

2. Establish collaboration with government and non-government funding agencies to enhance research, innovation and entrepreneurial related activities.

3. To motivate and support academic faculty and student community, in converting their ideas and

innovative processes into working prototype through mentoring and funding support.

4. To enable commercialization of innovative solutions and IP developed.

BGS Research Centre and BGS SIF coordinates with the different departments in the college to initiate related activities and has a dedicated team headed by Director to coordinate and monitor these activities. The Institution has set up Incubation centre by dedicating a space of 15760 square feet with state of art facilities to nurture incubation activities. This centre has established significant collaboration with leading Governmental Agencies namely Baba Atomic Research Centre (BARC), Mumbai .This centre has received fund to the tune of Rs.47.5 lakhs from BARC for setting up of Six DAE Technology Display and Dissemination Facility with a purpose to induce awareness among the students and in particular for farmers of Chikkaballapur.

The Karnataka innovation and Technology Society (KITS), has approved capital expenditure (CapEx} amount of Rs 53.55170 Lakh for development of 23 ideas of students and operating expenses (OpEx) amount of 20 Lakh towards salary for District Innovation Agent for Batch-I and Batch-II projects under phase II.

Ministry of Micro, Small and Medium Enterprises (MoMSE) approved Rs 45 Lakhs and equal matching grant from institution to set up Technology Business Incubation (TBI) facilities with an objective of motivating the students to undergo training in the field of manufacturing and to become entrepreneurs. Presently the Institution has received grant of Rs 36 Lakh from MoMSE and equal contribution from the institution. Under this scheme, the Institution has set up the unique modern manufacturing related facilities namely 3D printing & 3D scanner, Laser engraving and cutting, CNC router and other accessories.

This centre is also very actively involved in conducting various awareness programs in the area of Intellectual Property Rights and Entrepreneurship. From last five years 56 programs are conducted for the benefit of Faculty and Students of our Institution. The Centre organizes Hackathon, Internship Programs and conducts extension activities. Presently, one start up is established namely Software-Pro in the year 2019-20

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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

Response: 152

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

2021-22	2020-21	2019-20	2018-19	2017-18
47	58	22	14	11

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.3 Research Publications and Awards

3.3.1 *Number of research papers published per teacher in the Journals on UGC care list during the last five years*

Response: 1.43

3.3.1.1 **Number of research papers in the Journals notified on UGC CARE year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
78	76	65	66	53

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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

Response: 0.37

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

2021-22	2020-21	2019-20	2018-19	2017-18
28	09	21	08	21

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[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 Institution has a strong focus to promote constant interaction of Faculty Members and the Students with the neighborhood community mainly to sensitize the students to understand the community needs and make an attempt to provide solutions. The college runs effectively National Service Scheme, National Cadet Corps Units and Rotary Club. Through these units, the college undertakes various extension activities in the neighborhood community. The various activities that are conducted includes Tree Plantation, Environment Awareness, Blood Donation Camp, Health Check up camp, Water Testing, Rain water harvesting, Woman empowerment, Road Safety awareness and Solar power utilization. During the last five years 1767 units of blood is donated by the Staff and Students through participation in the extension activities.

The Institution has Memorandum of Understanding with Baba Atomic Research Centre, Mumbai titled "DAE Technology Display and Disseminating Facility" through which outreach program are conducted for the benefit of Farmers in the district of Chikkaballapura. The following are the important themes of outreach programs conducted by the Institution.

1. Awareness program to Produce Bio Gas
2. Demonstration of usage of Solar Dryer
3. Training program on developing simple Water Purifier
4. Demonstration of detection of Fluoride kit in water.
5. Training Program for Farmers to develop Plant sapling through Tissue culture

The model laboratories are established at the Institution and presently various plant saplings are prepared and distributed to the local farmers. The students are made to engage in these activities. The local Farmers are trained in usage of Solar Drier for drying few fruits, detection of Fluoride content in the water and developing simple water purifier. Through AICTE Activity Point Program the students are made to engage in Extension Activities with an objective to sensitize them towards identifying and making an attempt to provide solutions to social problems. The extension activities are conducted in the nearby villages on Swachh Bharat, Computer Literacy, Skill Development programs, Social Awareness Programs. During the year 2021-22 more than 600 students were involved in this work.

Sri Adichunchanagiri Educational Trust has initiated a novel program termed as **"SACRED"**[Sri Adichunchanagiri Rural Children Education Development Programme"], through which; education deprived students from remote villages are being given fundamental education. The Institution has adopted a village named "Singata Kadirenahally" in the neighborhood of Chikkaballapura district to educate poor and deprived students. The faculty members involve in teaching these students. The objective and

initiatives are presented and documented in the youtube public domain and the link is provided.

The effort of Institution in carrying out extension activities in the neighborhood community and for holistic development has been appreciated by Governmental and Non Governmental agencies. Government of Karnataka has acknowledged the impact the Institution has made on the Society and has shortlisted in Top 30 Engineering Colleges in Karnataka.In addition various organizations have appreciated the efforts of the institution in this regard.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

Response:

The Institution has extensively conducted extension activities through NCC, NSS, Rotary Club and Memorandum of Understanding with Baba Atomic Research Centre. The following are the main extension activities for which Institution has received appreciation awards from government/government recognised bodies.

1. Blood Donation Camp
2. Swach Bharath activities
3. Plantation of Saplings
4. Water Quality Inspection
5. Awareness Program on Solar Energy Usage
6. Awareness Program for Farmers on Tissue Culture
7. Road Safety Awareness
8. Anti –Drug Camps

The following organization have recognized the Services rendered by the Institution in conduction extension activities diligently and has presented Appreciation awards to the Institution.

1. Government of Karnataka: The Government of Karnataka has shortlisted our Institution under the scheme " Regional Ecosystem for Technical Excellence" during the year 2022. Over the decades the Institution has striven hard to achieve Educational Excellence and commit itself for the up gradation in the neighborhood community through outreach activities has been recognized by the Government and has shortlisted as Top 30 Institution in Karnataka.

2. **Mahatma Gandhi national Council of Rural Education Department of Higher Education, Ministry of Education, Government of India:** This organization has appreciated the efforts of the Institution in implementing the "Swachhata Action Plan" and has presented Appreciation Award during Febaruary 2022.

3. All India Council for Technical Education, Government of India: The Institution has undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2020-21. Recognizing the efforts of the Institution, AICTE-MOE has given 4 Star Rating for the performance.

4. Beginup Research Intelligence Private Limited: This Organization has presented Certificate of Appreciation during the year 2021, for the Outstanding Social Contribution and Quality Education by the Institution.

5. Indian Red Cross Society and Bangalore Medical Service Trust: During the year 2021, the Institution through extension activities program has organized Blood Donation Camp. The Faculty members and the students had donated over 500 units of Blood to the Society. Considering this effort, Certificate of Appreciation has been presented by both the organizations.

6. Rashtrotthana Blood Bank: The Institution has organized 3 Blood Donation Camp through this organization during the year 2018, 2019 and 2021. The Faculty members and the students had donated over 400 units of Blood to the Society. Considering this effort, Certificate of Appreciation has been presented by this organization.

7. NH Health City: During the year 2017, this organization has presented Certificate of Appreciation for the Institutions effort for rendering Voluntary Service to organize the Blood donation Camp. Over 160 units of Blood was donated to the society.

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

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

Response: 117

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

2021-22	2020-21	2019-20	2018-19	2017-18
38	23	11	28	17

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.5 Collaboration

3.5.1 Number of MoUs, collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research and other academic activities during the last five years:

Response: 28

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

SJC Institute of Technology is spread over 64 acres of lush green campus having one administrative block & five academic blocks with total built-up area of 44850 sq.mts. Improvements made with respect to infratructure and physical facilities after first cycle of NAAC are - one academic block to cater the requirements of Aeronautical & Aerospace Engineering Departments and one hostel block along with renovations of washrooms, roads, road widening, footpath, extension of parking space, garden maintenance, seating chairs for students, installation of roof top solar system, rain water harvesting of buildings and external painting of all blocks.

The procedures and policies for maintaining and utilizing various facilities are well defined and periodically updated based on the feedback received from the various stakeholders. The available facilities for Curricular and Co-curricular activities include spacious, well-furnished 57 classrooms equipped with teaching aids viz., White and Ceramic Green boards, 99 multimedia projectors etc. Technology Enabled Learning Spaces to encompass Library, Digital Library with dedicated 25 machines, 6 Departmental libraries, Wi-Fi zones, Bosch-Rexroth Center of Excellence, BGS- SJCIT Incubation centre, BGS R&D centre, BARC etc. 6 Seminar Halls with modern amenities such as overhead LCD projectors. 46 Laboratories catering to the VTU syllabus and beyond are established in all the departments. Facilities are provided for various Sports activities, Outdoor and Indoor Games, NCC, NSS, Cultural Activities, Health Centre, Canteen, ATM, SJCIT consumers cooperative society, xerox centre, etc.

The institution is having good Indoor and Outdoor sports facilities. Our institution is having dedicated sports committee which conducts timely meetings for the purpose of discussing budget proposal and conduct of Inter & Intra-Collegiate tournaments every academic year.

The sports related materials are issued to the students on regular basis. Students who are selected for the college teams of various events are provided with uniform. Equipment related to various physical activities and sports are updated on regular basis. Gym, Cricket ground, Hockey ground, Badminton court, Table Tennis, Volleyball, Basketball courts etc. are maintained periodically. Yoga center with good ambience is accommodated in administrative block for performing yoga by both students and staff.

Institute is having spacious air conditioned auditorium with 1300 seating capacity wherein all the cultural and student centric activities will be held. In addition to this each department is having their own seminar hall with a seating capacity of 150 to 300 and an Amphi Theater in Aeronautical Engineering Block wherein cultural and academic related activities are conducted.

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

4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

Response: 45.36

4.1.2.1 **Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
105.3	74.84	305.74	389.76	1110.67

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

Response:

SJC Institute of Technology in its endeavour to provide quality education has provided best in class infrastructure and learning resources to promote effective teaching- learning. Entire library resources are under Surveillance camera. Integrated Library Management System along with the surplus learning resources is used by the students to assimilate knowledge for academic excellence. Library being the integral part of the learning process the institute has fully automated Library with seating capacity of 120 and rich collection of 86220 volumes of books comprising of 13621 titles catering to all stakeholders. The digital library with 25 computers having high speed internet providing access to more than 6155 e-Journals and above 5000 e- books on various branches of Engineering, Science and Management. As the entire campus is enabled with Wi-Fi, remote access of these resources is also available. In addition, there are General Magazines, Project Reports, Technical Magazines, News Papers, Back Volumes, Technical Reports, Conference Proceedings, collection of Question papers, rare books and CD/DVD ROMS, available for the stakeholders. Library is fully automated in the year 2007 with LIBSUIT software of educational version incorporating Catalogue/Accession, Search, Membership, Book borrowing and returning for members through Bar- coding, Online Public Access Catalogue (OPAC), Stock verification, Barcode generation, Periodical. The library resources have been completely Bar coded and the transactions

are carried out through the barcode mechanism. Library is utilizing Dewey decimal classification (23rd edition) for all documents. Library catalogue and subscribed e-resources can be searched from anywhere within the campus. Library is a member of VTU Consortium for the subscription of online electronic resources like e- Journals of Elsevier, Science Direct, Springer, Taylor & Francis, Emerald, MAP Systems with federated searching tools to search articles in multiple databases, Plagiarism software – TURNITIN and Lanquill – Sententia (Writing Grammar Tool). The library is enlisted in the National Digital Library, Govt. of India with an access to e-journals, e- books and e-thesis. NPTEL videos have been made available to students and the faculty. The library remains open from 08.30 a.m. to 08.30 p.m. during weekdays and 8.30 a.m. to 4.00 p.m. during Saturdays throughout the year with extended timings from 08.30 a.m. to 10.00 p.m. during examinations for the effective utilization by the students and Library website is integrated with college website: https://sjcit.ac.in/about-library/ for the convenience of stakeholders.

A new Library Block is proposed with an area of 988.4 sq.mts. for the next academic year to cater the increased intake and new courses.

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

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Response:

Institute, Paramount importance is given to IT infrastructure development and its timely upgradation as the institution envisions that adequate IT infrastructure is essential to offer quality education. Computers being the integral part of academic and administrative activities, institute continuously upgrading the computing facilities over the years and currently housing **1060** computers wherein 829 computers are available for student usage, many with INTEL CORE i5 processors, 8GB RAM distributed to various laboratories, digital library, staff rooms and various offices. The Institute maintains the student computer ratio of **3.6:1**

Institute's perseverance towards establishing ICT enabled classrooms with 99 projectors distributed to all class rooms, seminar halls, conference rooms, auditorium. 10 laptops are provided for HODs and PCs for faculties on need basis. All PCs are connected through LAN. Institute has 39 printers and 35 printer with scanners purchased over the years are distributed to different departments. For conducting university examination, institute has procured 4 high speed printers which prints 300 pages/min. To ensure hassle free operation and safety, all the PCs are connected through dedicated UPS. The entire campus is monitored by CCTV facility. The CCTVs are installed in the college campus at Academic block, IT Block, Mechanical Block ,Library etc., which assist to monitor the campus activities. Software is purchased and licence is renewed as per norms. Since inception, to have information at finger tips, institute has provided internet facility through LAN cables with 10Mbps capacity in the year 2017, upgraded to 800Mbps in

2022. Currently internet band width connectivity is upgraded to 800 Mbps with 22 access points for WiFi. The institute has 3 Interactive flat panel displays of 65" and necessary system and application software.

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

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

Response: 3.62

4.3.2.1 **Number of computers available for students usage during the latest completed academic year:**

Response: 829

File Description	Document
Upload supporting document	[View Document](#)

Other Upload Files	
1	[View Document](#)
2	[View Document](#)
3	[View Document](#)
4	[View Document](#)
5	[View Document](#)
6	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 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: 54.64

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)**

2021-22	2020-21	2019-20	2018-19	2017-18
387.62	309.89	558.82	591.48	544.5

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

Response: 45.05

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

2021-22	2020-21	2019-20	2018-19	2017-18
265	260	1459	1841	2658

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.2 *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
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 61.14

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

2021-22	2020-21	2019-20	2018-19	2017-18
2874	2206	338	2788	592

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4 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 supporting document	View Document

5.2 Student Progression

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 52.09

5.2.1.1 **Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
481	321	388	385	286

5.2.1.2 **Number of outgoing students year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
845	665	755	645	663

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File Description	Document
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Institutional data in the prescribed format	[View Document]

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 95.45

5.2.2.1 *Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years*

2021-22	2020-21	2019-20	2018-19	2017-18
03	14	15	12	19

5.2.2.2 **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**

2021-22	2020-21	2019-20	2018-19	2017-18
04	14	15	13	20

File Description	Document
Upload supporting document	[View Document]
Institutional data in the prescribed format	[View Document]

5.3 Student Participation and Activities

5.3.1 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) during the last five years

Response: 46

5.3.1.1 *Number of awards/medals for outstanding performance in sports/cultural activities at*

national/international level (award for a team event should be counted as one) year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
15	0	17	6	8

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

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

Response: 23.8

5.3.2.1 **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
51	1	16	21	30

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[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:

SJC Institute of Technology, guided by the core value of "family culture" strongly believes Alumni as an integral part of the SJCIT family for present achievements and future hope. This strong conviction has encouraged the institution to develop lifelong commitment through continuous engagement with proud alumni of Engineering and Management Studies spread across the globe, established well in the chosen profession with their global competency, making a positive impact as brand ambassadors of the alma mater.

The institute has ensured that its esteemed alumni continue to be a part of the ecosystem by Establishing SJC Institute of Technology Alumni Association in 2015, (Reg.No.CBL-S34-2015-16, Certificate No. IN-KA68219996263054N)) link to connect alumni, support students through diversity of events and services.

Core committee of the Alumni Association, composed of alumni representatives and faculty coordinators from every department strives towards maintaining an up-to-date alumni database to strengthen the relationship between the alumni and current students and also to enhance alumni recognition and engagement.

Alumni have a regular interaction with the peers and the alma mater, get up - to - date information of major events / activities, achievements of the institute through Facebook, Instagram, LinkedIn. On the second Saturday of every month Alumni will be invited to the department to interact with the students.

Alumni contribute significantly towards constructive growth of the institution as invited members of the Department Advisory Board giving feedback on courses and necessary suggestions for curriculum enrichment. Continuous efforts to build a concrete bond between the alumni and the current students are through organizing technical talks in the emerging areas with an exposure to current industry scenarios, alumni entrepreneurs sharing their inspiring entrepreneurial journey experiences, promoting innovation and entrepreneurial skills amongst the students. Alumni are invited as jury members for various technical events, cultural fest, hackathons, as panel experts in start-up meet.

Alumni also guide final year students to design innovative projects towards incubation and help the institution in providing internship and career opportunities. Few of the alumni have set up start-up companies in the campus through institute support.

Alumni association organizes Alumni meet, facilitating get together of alumni and enabling the interaction with faculty fraternity.

Alumni supports the needy and meritorious students by providing freeships.

The efforts of the institute through Alumni Association is evidenced through sustained alumni Engagements in every possible dimension with unforgettable institute experience adding value to the success of the institution.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance

Response:

The Governance of the Institution is reflective with the Vision and Mission statements.

Vision

Preparing Competent Engineering and Management Professionals to Serve the Society

Mission

- Providing Students with a Sound Knowledge in Fundamentals of their branch of Study
- Promoting Excellence in Teaching, Training, Research and Consultancy
- Exposing Students to Emerging Frontiers in various domains enabling Continuous Learning
- Developing Entrepreneurial acumen to venture into Innovative areas
- Imparting Value based Professional Education with a sense of Social Responsibility

Vision & Mission are achieved through dedicated and qualified faculties, functional committees, Corporate Training and Industry Relations Cell, Entrepreneurship Development Cell, Institutions' Innovation Council, Intellectual Property Rights Cell, New Age Innovation Network and Ministry of Micro, Small & Medium Enterprises Centres, Social Connect programs and Enrichment programs

The Governing Council (GC) of the Institution is the main administrative body, constituted as per the guidelines framed by All India Council for Technical Education, affiliating University and Government of Karnataka. The main objective of GC is to offer quality education in the best possible means to ensure that the graduates are employable and socially acceptable. The GC is guided and headed by the spiritual and religious leader of Sri Adichunchanagiri Mahasamsthana Math Holiness Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji including eminent personalities from society, Academia and Industry.

GC meets regularly twice in a year. All the activities of the Institute, the performance of students, academic matters, research progress and strategic plans for the overall development will be presented by the Principal. All the matters will be reviewed and suitable suggestions for improvement are provided by Honourable members of GC.

- Principal ensure that conducive environment is provided for effective learning, imparting quality education to the students fostering holistic development of the students.

- Institutional Council (IC) with Principal as chairman, IQAC Chief-Coordinator and all HODs as members meet on every Monday to discuss activities. IQAC Chief-Coordinator of the IC records the proceedings of the meetings and circulate to all departments for implementation.
- The institution has functional committees to continuously monitor academic and non-academic

activities, comprising stakeholders from faculty, industry, government representative, employers, alumni, NGOs, parents and students.

- Meetings are held weekly in all the departments to discuss and implement the suggestions / actions given during IC Meetings.
- The Program Assessment Committee (PAC) at department level is responsible for auditing Cos & POs.
- Department Advisory Board (DAB) consisting representations from industry, academic and research review the PAC proceedings and give suggestions for the improvement of program.
- At the classroom level, class teacher is responsible for monitoring the academic needs of the students in the class.
- The Institution has a mentoring system wherein each faculty member is assigned around 25 students for mentoring who interact periodically with the students and parents and address the academic and personal issues for overall development of students.
- In order to have continuous improvement in the teaching learning process, course end feedback is collected during the semester end from students through DHI software online. The feedback is communicated to the faculty concerned through HOD for improvements as desired.
- At every department, various committees will take care of departmental autonomy such as Timetable, Tests, Internship, Project, R&D, Placements, Counselling, Cultural, Sports, Magazine, SEED etc.

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

6.2 Strategy Development and Deployment

6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

Response:

The Institution believes in a transparent and decentralized work culture to coordinate the academic and administrative activities. The Organization structure is shown in Fig 6.2.1
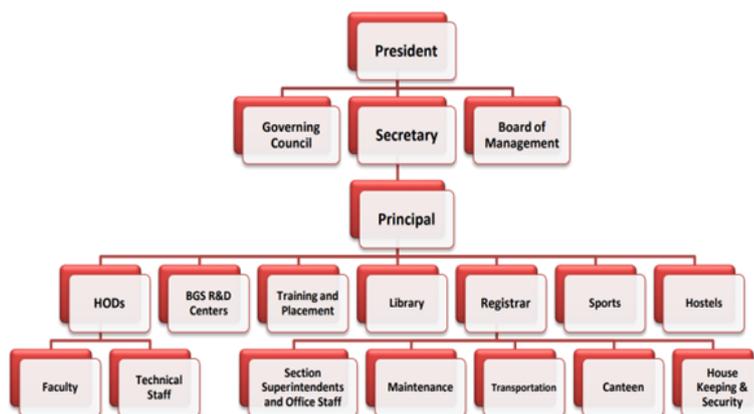
Fig 6.2.1: Organization Chart

The organization indicates the major portfolios and their reporting structure. The effective functioning of the institutional bodies is reflected through delegation of roles and responsibilities with controlled coordination, policy implementation procedures and service rules.

 Service Rules:

Service rules are constituted by Sri Adichunchanagiri Shikshana Trust® and are documented in Trust manual. The Service rules are made available for all the employees of the organization. The Services rules are as per the guidelines of AICTE, Affiliating University and Government of Karnataka. The Institution has Standard Operating Process defined for all the activities of the Institution. The Recruitment procedure for the appointment of teaching faculty is presented below.

- Staff requirement details will be collected from the HODs through prescribed format during the academic year and will be placed before the Management for approval to advertise in the newspapers.
- Advertisement will be given in different newspapers by mentioning Qualifications, Experience, Pay Scales, etc
- Received Applications will be scrutinized and candidates satisfying the requirements will be shortlisted.
- Shortlisted candidates will be called for interview on the prescribed date.
- The Selection Committee meeting will be called on the prescribed date and the representative from VTU, AICTE, GC Members, HOD and Subject Expert will be invited.
- The Committee after a thorough interview with the shortlisted candidates, an offer letter signed by Principal will be issued to the selected candidate.
- The President of the Trust shall issue Appointment Order. The candidate will report to duty through HOD & Principal within the specified joining date as mentioned in the letter signed by the Principal/President and submit all his / her original documents to the Office. In case, the candidate requests for an extension of joining period, the same shall be examined by the Principal and suitable decision will be conveyed to the candidate. In case, the selected candidate does not report within the prescribed time, his / her appointment stands cancelled and a fresh Appointment Order is issued to the waitlisted candidate.

Promotional Policies:

Promotion Policies are inline with AICTE guidelines. The prospective candidates satisfying the minimum eligibility criteria and service norms of our trust will be considered for promotion against vacancy positions. Faculties who have excelled in Academics and Research will be considered for additional increment / relaxation in meeting the criteria for promotions.

Strategic Plan:

The Strategic plan of the Institution is developed with the involvement of all the stakeholders through focused discussions and adopting a participating approach at institutional and department level. The plan is well designed with an aim at accomplishing excellence through effective utilization of resources.

Institution has strategic plan prepared, aiming at clearly formulated objectives.

The objectives are:

1. Achieving Academic Excellence
2. Enhancing intellectual ability and technical competency
3. Strengthening the placement activities
4. Promoting R & D activities and consultancy services
5. Improvements in Infrastructure for creating conducive learning environment
6. Continued NBA/NAAC accreditation for all programs
7. Creating a cordial environment for holistic development

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2.2 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
Upload supporting document	View Document

6.3 Faculty Empowerment Strategies

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

Response:

Following are the welfare schemes available for teaching and non-teaching staff:

1.   Employee Provident Fund

2.   Gratuity

3.   Free uniforms for class IV employees

4.   Encouragement for research and development activities.

5.   All allowances as per AICTE and State Government norms.

6.   Group insurance facility for staff members covering accidents to a tune of rupees five lakhs.

7.   Financial support to participate in national and international conferences to present their technical papers.

8.   Faculty development programs (FDP) for faculty members on regular basis

9.   Nonteaching Staff gets fee concession for their ward in our Institutions run by Trust.

10.   Loan facility through SJCIT Consumer cooperative society.

11.   Subsidy for transportation in college bus and Subsidised canteen facility.

Following are the Leave benefits available for teaching and non-teaching staff:

1.   Casual leave

2.   Special Casual leave

3.   Earned leave

4.   Maternity leave

5.   Paternity leave

6.   Study leave

7.   Extra ordinary leave

8.   Leave for Employees of Fixed Term Contract

9.   Leave for Temporary Employees

10. Leave for Employees on Post Retirement Engagement

11. Restricted Holiday leave

12. On Official Duty (OOD) leave

Institution has well established appraisal system for teaching and non-teaching staff:

 Teaching staff: The Institution has a well-defined faculty performance appraisal and development system. Each staff member submits annually in detail capturing all his/her activities in a prescribed format to the HOD. At institution level, Academic Performance Evaluation committee (APEC) will evaluate the performance of every staff member.

Implementation and effectiveness in overall performance of every faculty member is evaluated once in a year based on the following parameters.

1. Student feedback

2. Results in the respective subject handled

3.Additional duties performed in that particular semester

4. Participation in Training Programs / Faculty Development programs / Workshops

5.University Examination related work

6. Publication in conferences and journals

7. Consultancy work

8. Involvement in Research work

9. Execution of funded projects

The process of performance evaluation is as follows:

- The faculty submits self appraisal and Academic Performance Index forms with necessary documents duly signed by HOD.

- Academic Performance Evaluation committee (APEC) comprising of Management Representative, Principal and respective HOD of the program will review the performance of every faculty member as per the schedule annually, appreciating the achievements and giving suggestions for further improvement in quality of teaching, research, administration and curricular/extracurricular

activities.

- Every faculty member will present his/her academic performance to the committee in a standard PPT template provided by IQAC.

- Faculty member displays his/her Teaching-learning materials (Notes, PPTs, Videos, Assignments, Question bank), Academic file, Course file and Personal file.

- The Performance evaluation report along with the necessary recommendations/actions will be considered for Promotions and Increments.

Non-Teaching Staff: Every Non-teaching staff member submits annual performance report in detail capturing all his/her activities in a prescribed format to the head of the department. The HOD writes the necessary recommendations/actions and it is submitted to the establishment section through Principal.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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

Response: 6.41

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**

2021-22	2020-21	2019-20	2018-19	2017-18
13	7	20	9	12

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

Response: 35.85

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
123	77	75	44	46

6.3.3.2 Number of non-teaching staff year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
32	6	10	7	12

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Resource Mobilization

SJCIT is Self-financed Private Institute whose main source of income is from tution fee. The other revenues include grants received through Research projects/FDP/MODROB/Conference proposals from funding agencies such as AICTE, VGST, MSME, NAIN, KSCST, VTU; consultancy work, service charges collected for conducting various online and offline examinations by National Testing Agency and other government agencies.

Institution has well defined mechanism to monitor effective and efficient use of available resources. The fund mobilized is optimally used for salary payments, laboratory infrastructure and maintaining building infrastructure, purchasing of library books, construction of new buildings, establishing of new laboratories, upgradation of laboratories, training & placement activities, organizing Faculty Enrichment programs, student support systems and Extension activities.

Mobilization of Intellectual and other Abstract Resources

The institution mobilizes its human resources, designing and implementing academic and co-curricular activities that challenge the students to the utmost and develop their potential to the fullest. It encourages all staff to reach their personal and professional growth goals by cooperating with their career development imperatives and discipline specific aspirations. For resource sharing the institution organizes guest lectures from Industry experts, Academicians and Alumni. Specialized trainings are arranged for students from companies. SJCIT along with six institutions; NMAMIT -Karkala, VVIET- Mysore, MSEC- Bangalore, NITTE – Bangalore, BMSCE– Bangalore, Vignan University - Guntur coordinated with ISSS(IISc)-MEMS for the development of MEMS Community Chip. The faculty will be invited as resource person for other institutions as a part of resource and knowledge sharing.

Institution regularly conducts internal financial audit and also external financial audit through external auditing agency. The audited statements have been uploaded in the institution website.

Internal Audit: All expenses are incurred with proper approval or sanction by the Head of the institution or HODs of various departments, which are accounted for. Seed money distributed, registration amount generated, expenses incurred and disbursed in each activity say the International conference, the Annual & Department fest, FDPs, Internship activities, Purchase of consumables, Servicing of equipment, etc. are some of the activities undergoing regular internal audit. Every financial transaction is recorded, scrutinized, and audited. The accounts and procedures of internal control of finance are carried out by the Registrar and accounts department. Every financial transaction is audited at Central Trust level accounts department.

External Audit: An annual audit is done by the authorized statutory auditor. The audit of accounts and submission of income tax returns are being carried out regularly each year. There are no audit objections since the institution follows a good system of internal controls like calling quotations, comparison of rates, preparation of purchase order, etc. and approvals at every stage of such implementation and due verification of goods and services that are obtained after delivery or completion of works. The procedures are computerized and all payments are through drafts, cheques, RTGS, NEFT and a high degree of transparency is exhibited.

File Description	Document
Upload Additional information	[View Document](#)
Provide 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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

The IQAC has consistently striven to institutionalize quality assurance strategies and processes at every level of institution's functioning. From devising strategies to improve the teaching-learning process

through increased use of ICT, expanding the scope of the library and transforming it into a multivalent knowledge portal to re- defining the boundaries of a vitalizing, meaningful and holistic education the IQAC has been a proactive player in the overall benchmarking process.

The IQAC has stanardised templates for preparing learning materials such as Lesson Plan, Question Bank, Assignments complying to Revised Blooms Taxonomy learning levels inorder to achieve learning outcomes and to fulfil OBE requirements.

Following are the few best practices institutionalized as a result of IQAC initiatives

1. Academic Audits

An academic audit reviews the processes used by departments to enhance the quality of their Programs as per OBE process. The main objective of an academic audit is to ascertain departments have put in place adequate and effective quality assurance mechanisms in terms of strategies, procedures, that ensures quality inputs and consequently quality outputs, their agility in ensuring continuous improvements along with review of available resources, their optimal utilization, additional resource requirements for providing quality education.

Regular audits are conducted internally after every semester by IQAC. The audit comprises the Teaching & learning, Result Analysis, Attainment of COs and POs, Industry participation, Workshops/FDPs/Conferences conducted/Attended, Research & quality publications. Based on the audit report, the departments are suggested for improvements.

2. Institutional Council

The Institution Council (IC) has been constituted with Principal as a Chairman, IQAC Chief Coordinator as a Convener, Registrar and HODs of all the departments as Members of the committee with the objective of enhancing the academic excellence and to make strategic plan from time to time for the holistic development of the Institution. IC meeting will be held on every Monday at 2.30pm in Principal chamber to discuss Academic & Non-Academic activities, Achievements & Accomplishments of the departments, Updates on VTU/AICTE/NBA/NIRF/ATAL/ BGS-SJCIT IF/IIC related activities, Developmental activities of the departments & Institution, Staff & Students related matters and Action taken report of the previous meeting. HODs also propose plan of action on the projected activities for next week and any grievances/ requirements of the departments.

3. Internal Expert Lecture Series

The IQAC organize Internal Expert Lecture Series for all the Faculty members to share the knowledge in Curricular aspects, teaching pedagogy, Research Methodologies, IPR & Patents, OBE, Accreditation needs and process,Quality assurance policies etc. in strengthening Peer to Peer learning. In addition to this, best practices followed in various departments are discussed inorder to bring uniformity among the quality processes followed at the Institution level.

4. Program Assessment Committee (PAC) Review

The IQAC develops quality metrics for audit of each program to guide and monitor theimplementation of Outcome Based Education (OBE) through Program Assessment Committee (PAC) of each department. The academic plan comprising of lesson plan, course outcome, CO-PO-PSO mapping, assignments, ICT based teaching and technical programs to be organized to bridge thecurricular gaps is submitted to PAC.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2 Quality assurance initiatives of the institution include:

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

Response: A. All of the above

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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 and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

Response:

SJC Institute of Technology has given utmost importance for Gender equity and cultural diversity. Institution is promoting gender equity in terms of providing Safety & Security, CICC (College Internal Complaints Committee)**,** Mentoring system, Scholarship for Girls, Programs for Girls in Hostel, etc.

1. Measures initiated by the Institution for the promotion of gender equity

a) Safety and Security

Institution gives paramount importance to the safety of its stakeholders with robust security system comprising of surveillance cameras and security guards. Professional dress code with college ID is mandatory to all stakeholders entering the campus to avoid intruders. Maintenance of movement register, strict adherence to hostel timings, recording of biometric attendance twice a day is mandatory at Hostels. Female resident wardens and chief warden handling the medical emergency conditions effectively, reassures the parents of female students, a commitment by the institution.

b) College Internal Complaints Committee (CICC)

Internal Complaints Committee is constituted in college for prevention, Prohibition and Redressal of sexual harassment of women employees and students.

c) Mentoring

The institution's commitment towards shaping wholesome professionals has established efficient mentoring system with each faculty monitoring the performance of around 25 students and counseling them for the overall well-being. Counseling by professional counselors is also provided to the needy cases.

d) Scholarship for Girls

At institution, girl candidates are provided with exclusive Pragati Scholarship Scheme. This scheme is offered by government of India focusing on the financial support of meritorious girl students for pursuing their technical courses. This scheme aims to boost up girls' confidence to become self-independent in every way. Along with this, girls of minority communities receive scholarship from PostMatric Scholarship for Minorities of Karnataka. Annually on an average 595 girl students are benefitted from above schemes.

e) Program for Girls

NSS unit has encouraged the girl students to participate in the unit and is successfully conducting various activities to serve the society.

f) Hostel Day For Girls

Hostel Day is conducted every year to make girl students exhibit their talent as to actively participate in extra- curricular activities

2. National and International commemorative days, events and festivals

Institution celebrates national and international days, events and festivals on regular basis with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. The Faculty, Staff and Students come together to celebrate these occasions and spread the message of Unity, Peace, Love and Happiness throughout. The institution celebrates Republic day on 26th January every year, commemorating the adoption of Indian constitution by hoisting the national flag and spreading a warm message of nationalism. Independence Day is celebrated every year on 15th of August, parades and flag hoisting are organized. Institute celebrates international Women's day, Yoga day, Engineers day, Teacher's day, Science day, Math's day, World water day, World Earth day, Environmental Day and National Youth day. Institution celebrates the Kannada Rajyotsava and Ethnic Day in the month of November to promote regional language/culture interest among students.

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

7.1.2 The Institution has facilities and initiatives for

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and nondegradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Upload supporting document	[View Document](#)

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. **Green audit / Environment audit**

2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)

7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

SJCIT is managed by Sri Adichunchanagiri Shikshana Trust® under the visionary and spiritual guidance of Paramapoojya Sri Sri Sri Nirmalanandanatha Mahaswamiji. Values and Ethics are part of culture of institutions under Sri mutt. SJCIT offers education to general public irrespective of caste, language or community. SJCIT also inculcates constitution rights, duties and responsibilities to the students.

1. Tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic

The institution believes in equality of all cultures and traditions as evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. Though the institution has diverse socio-cultural background, there is no evidence of intolerance towards cultural, regional, linguistic, communal socio economic and other diversities. With great fervor the national festivals, birth anniversaries and memorials of great Indian personalities are celebrated in the campus. The institution organizes Cultural festival called Sambrama annually and NSS Unit regularly organize various programs related to social issues and environment. International and National days like Women's day, Engineers day, Environmental day, Independence day and Republic day are celebrated every year.

SJCIT has established Grievance Redressal Committee as per the AICTE notification and its members and policy document is attached. As a requirement from VTU, Institution also has College Internal Complaints Committee for prevention, prohibition and redressal of sexual harassment. As a mandatory requirement from regulatory bodies, Anti-ragging committee has been framed by the institution along with review committee and anti-ragging flying squad. Institution also has disciplinary, cultural and sports committees.

2. Values, rights, duties and responsibilities of citizens

As SJCIT is under the umbrella of Sri Adichunchanagiri Shikshana Trust®, values and discipline are inculcated from the entry into the institution through Aashirvachana from Poojya Mahaswamiji and induction program. A visit to Muddenahalli, birthplace of Sir M Visvesvaraya, who is an engineer, statesman and a scholar is also scheduled which gives an inspiration to the youngsters to become responsible Engineers.

A course on Constitution of India & Professional Ethics is introduced by university for 2nd year students. As part of Indian Constitution students are made aware of fundamental duties and responsibilities as a citizen of India. They learn about India and its states been formed on the basis of language, its secular nature and unity in diversity. Through various programs students are made to know about their constitutional rights, fundamental rights and legal rights. Students are sensitized about gender equality, fundamental duties, and their responsibilities as citizen of India. A course on Management and Entrepreneurship Development in 5th semester has social responsibilities of business towards different groups and Business ethics as part of the syllabus. Values, rights, duties and responsibilities of citizens are reflected in the activities conducted at the college as students volunteer and get involved in the conduction of programs like professional bodies events, cultural events, National and International days celebrations, technical events, NSS and village visit events as part of AICTE activity points.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	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:

The two best practices are Decentralized & Disciplined Work Culture and Effective Teaching-Learning Process

BEST PRACTICE - I

1. Title

Decentralized and Disciplined Work Culture

2. Objectives

- To establish a disciplined work culture and a system in line with the vision of our Institution
- To Decentralize and Delegate Powers to bring in inclusiveness
- To bring discipline among Faculty in their profession and foster loyalty to the system
- To inculcate among students a sense of discipline and belonging
- To facilitate transparency and faster decision making related to academic and administrative activities at all levels.
- To have a hassle-free accommodative environment and involvement of one and all for decision making at all levels, respecting personal dignity and decorum.

3. The Context

- Decentralization is a mechanism to delegate the powers monitoring to have effectiveness of system and processes at SJCIT
- In order to facilitate the decision making related to academic and administrative activities faster, decentralization strategies are being practiced at all levels
- Disciplined system is a corner stone of all the stake holders more so with disciplined students, staff with committed and proactive management which is in place.

4. The Practice

- Student discipline is given paramount importance and monitored in classrooms, laboratories. corridors, library, hostels and in other academic areas
- Dress code is strictly enforced and followed among staff as well as students
- Use of cell phones are strictly prohibited in classrooms and other academic areas
- In extreme indiscipline cases, the counselling is done at department and college level
- Various functional committees have been formed at institute level to carry out curricular, co-curricular and extra-curricular activities apart from the statutory committees as directed by AICTE, VTU and the State Government.
- At department level, committees are formed to take care of departmental activities such as Time Table, Test Coordination, Discipline, Sports and Cultural, mentoring, Placement coordination and Research, Project work coordinating committee etc., wherein the members of the committee are empowered to take decisions at their level with the concurrence of HoDs.
- Standard and well-defined policies have been followed in most of the activities at all stage and made known to all concerned.
- Monitoring is done at college level and department level by the respective committees. Alerting parents through SMS about absent for class/test, late coming and irregular behaviours.
- Decentralization and transparent procedures are followed in procurement and maintenance of equipments/tools/softwares required for various departments

5. Evidence of Success

- Delegation of powers to the Head of the Institution and the Heads of the Departments has resulted in smooth conduction of academic and administrative activities
- Preparation and approval of the budgets for various activities
- Establishments of state-of-the-art laboratories
- More number of workshops, seminars and project exposure being held for the benefit of students and staff
- Professional society activities increased
- Transparency in administration

6. Problems Encountered and Resources Required

- Initial resistance
- Orientation and exercising of delegation to the Heads of the Departments
- More documentation to be maintained by the committees
- More time and effort

BEST PRACTICE - II

1. Title

Effective Teaching-Learning Process

2. Objectives

- To prepare our students with sound Knowledge and Skills along with good attitude having confidence to take up careers in Engineering, Technology and Management.

3. The Context

- Teaching-learning process for effective knowledge transfer is one of the important areas to be focused. In this context, establishing a robust system for effective transfer of knowledge and measurement of attainment of quality teaching is essential as per OBE.
- Turning out of students who are competent with acceptable level of employability skills for Internships and Placements requirements.
- Encouragement for research work and submission of proposals for financial assistance
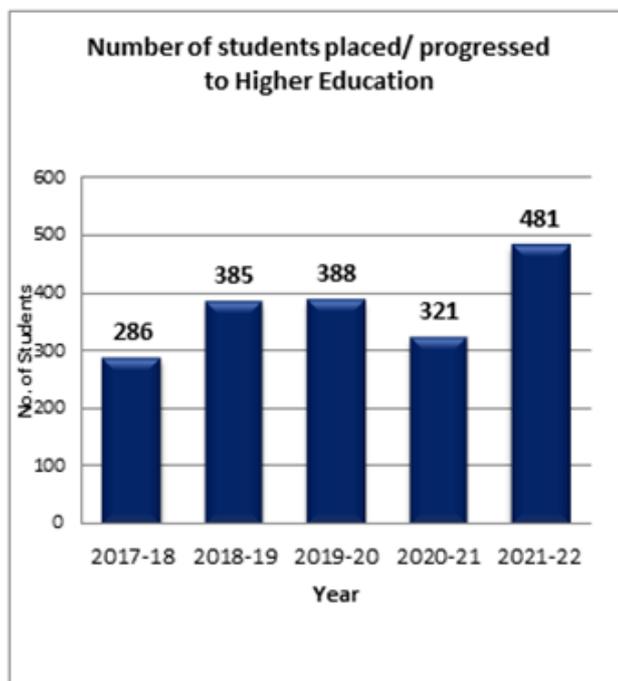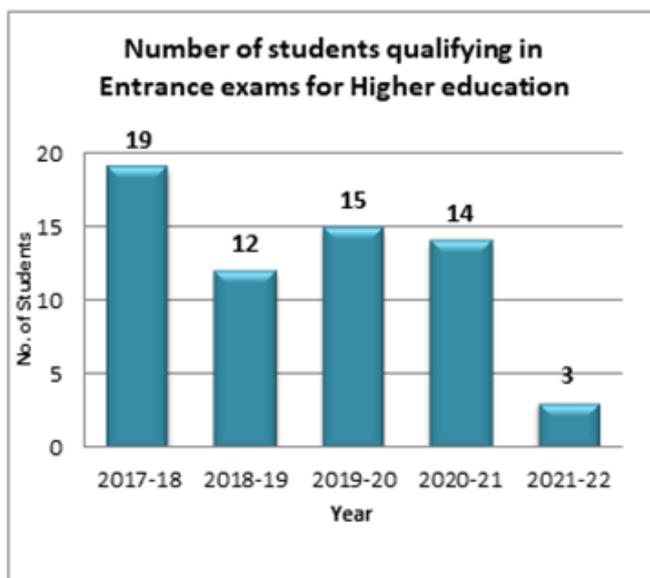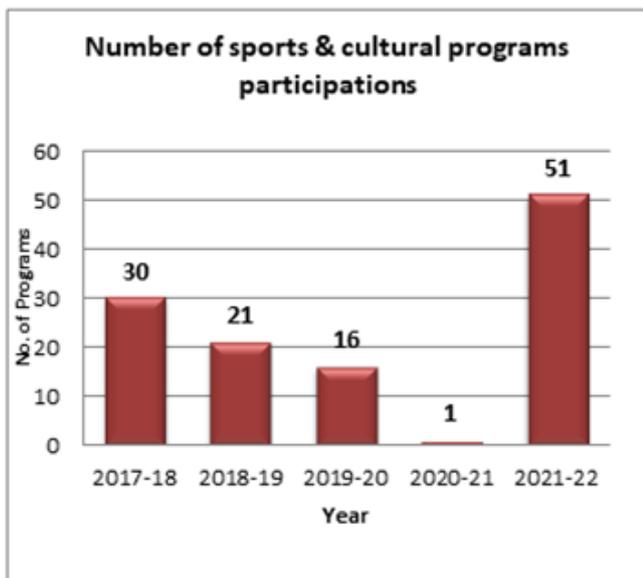
4. The Practice

- Qualified and committed teachers are appointed through a well-designed recruitment procedure
- Encouraging the faculty members to enhance their qualifications
- Monitoring of the teaching-learning process through weekly review at department level and periodical review by IQAC
- Academicians of repute and renowned industry personnel visit the campus on a regular basis to enlighten the faculty and students on the current trends and developments in the various areas of engineering, technology and management.
- Effective teaching-learning processes such as project-based, self-learning, experiential, collaborative, participative learning and problem-solving techniques are practiced at SJCIT using ICT tools along with classroom teaching. In addition, students learn by participating in extra-

curricular activities, attending courses through online platforms like NPTEL, Coursera, attending subject augmentation talks, visiting industries, Student Excellence and Empowerment Development activities and professional society activities. Through these activities, students gain knowledge, skills and confidence to perform better either individually or as team member.
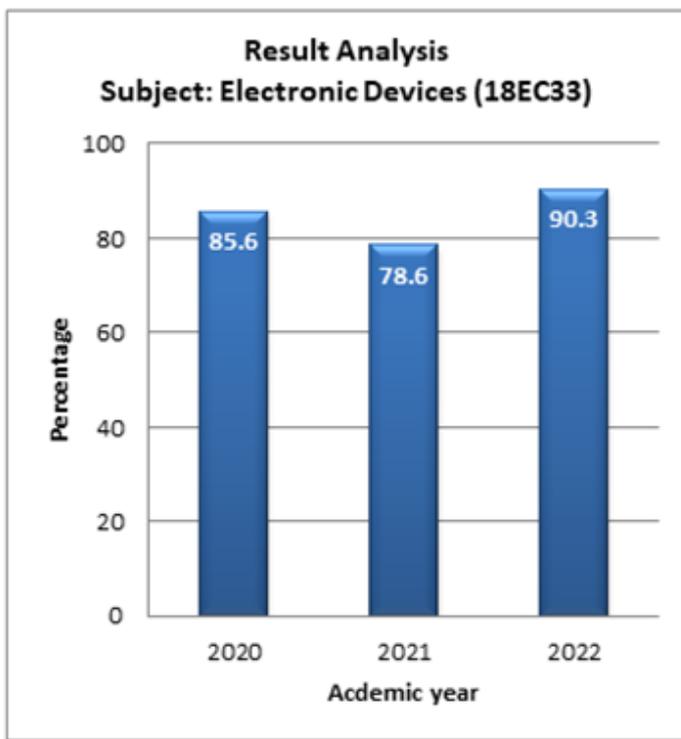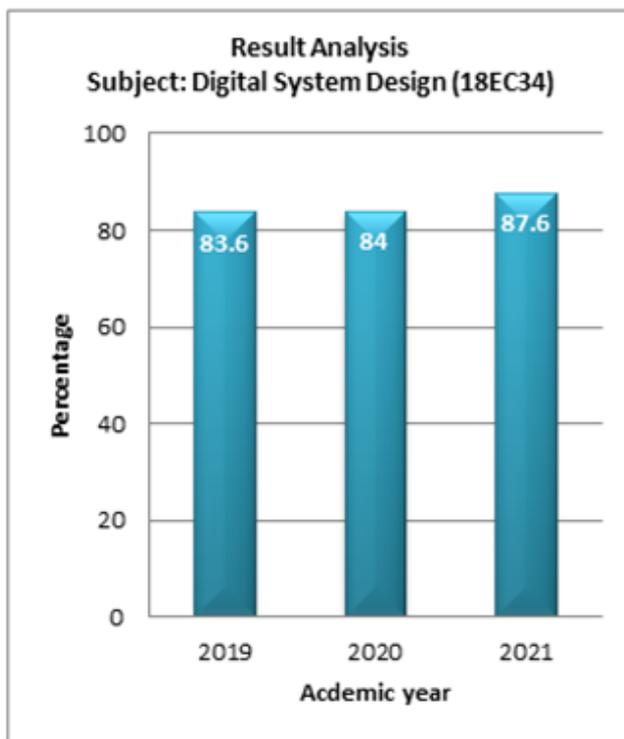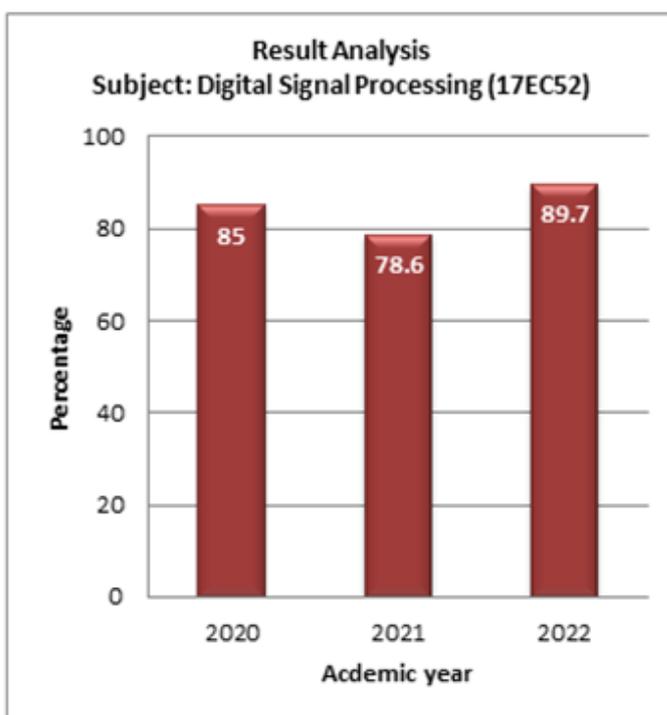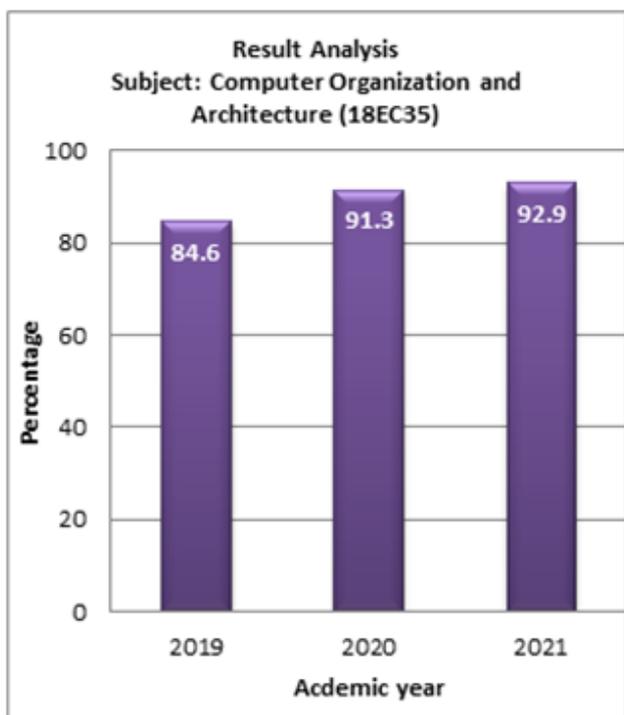
• On-line feedback on each course, based on ten-point questionnaire is obtained from each student during the middle and end of the semester. so that corrective measures, if needed, can be implemented for the benefit of the students.

• The college caters to the diverse needs of the Advanced, Lateral entry and Slow learners

5. Evidence of Success

• Improvement in Quality of students at the entry level

• Admissions through CET and COMED-K getting filled every year quite early. SJCIT is ranked one among top 15 Institutions in Karnataka and top 10 in Bengaluru region as per public perception.

• Teaching ability of our teachers is monotonically increasing and they are delivering with more capability and confidence, which is being reflected by almost no complaints either from students or their parents

• Through various teaching and learning methods, effective learning of students is evidenced from the academic results, participation in project exhibitions and curricular activities with awards and recognitions, increase in the number of paper publications and placements as under.

Number of sports & cultural programs participations

Number of students qualifying in Entrance exams for Higher education

Number of students placed/ progressed to Higher Education

Samples of Academic Results

Result Analysis
Subject: Computer Organization and Architecture (18EC35)

Result Analysis
Subject: Digital Signal Processing (17EC52)

Result Analysis
Subject: Digital System Design (18EC34)

Result Analysis
Subject: Electronic Devices (18EC33)

6. Problems Encountered and Resources Required

- Initial resistance for academic audit and discipline related issues
- Initial resistance for on-line teachers' appraisal and the relevant parameters
- A great deal of time is to be set apart by all the faculty members in monitoring, assessment and relevant documentation, apart from the time spent for the classroom teaching
- Modern ICT tools,Upgraded Laboratories and change in teachers' mindset.

File Description	Document
Any other relevant information	View Document
Best practices as hosted on the Institutional website	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:

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

Our Institution is located in **rural area** which majorly caters to surrounding students, some of whom are first-generation with different economical background and timid in nature. Around 75% of the students admitted belong to various categories. The Institution is endeavoring to make them industry ready by providing thrust and priority for their personal and organizational skills, knowledge and abilities so as to make them compete with others in their career.

One of the major benchmark for the performance of an Institution is placement record which is being enhanced through rigorous training and placement activities. The Training program is aimed at orienting the students with life skills, human values, commitment, and multicultural team work and to inculcate positive attitude with continuous learning. It nurtures industry-institute interaction by organizing and coordinating frequent industrial visits, in-plant trainings and projects of industrial relevance for the students, with the sole aim of zeroing down the gap between the industry and academia.

The SJCIT Corporate Placements & Industry Relations Cell (SCP & IRC) is the nodal point of contact which has active linkages and collaboration with companies seeking to establish a productive relationship. SCP & IRC provides extensive training from first year to gain knowledge, skill and attitude to meet the manpower requirements of the industry and on an average 50+ renowned companies visit the campus for recruitment. The design of the training module is done with utmost diligence, taking into consideration of the requirements and expectations from the industry. Vision is to make every aspiring student employers' choice and the mission is to act as a liaison between the industry and students in order to fulfil the aspiration of the students in securing the right job and to meet career aspirations for students of all branches.

Institution is following a blended training model that includes online, offline, instructor led, automated training tool-based and company specific trainings apart from aptitude, verbal and soft skills. In **first year,** trainings are given to enhance their confidence and to improve reading, writing, presentation and oral communication skills. **Second-year** students are trained in basic problem solving, programming and technical skills. To prepare and train aspiring learners to face campus recruitment, **third-year** students are provided with exhaustive training on technical skills, communication skills, aptitude tests and overall development for personal and professional grooming. These training programs also provide tips on resume preparation, crack the aptitude tests, group discussions, interview skills and mock tests. The institute has

MoUs with leading training firms to carry out these trainings. Apart from this, students are given access to an automated learning tool wherein they will have placement training and assessment, which helps them to improve their skills, reduce their effort in placement preparation and make them placement-ready with company specific training and assessment.

HitBullsEye training portal was adopted for Personality Enhancement & Placement Training. Students are using HitBullsEye from the academic year 2021-22. HitBullsEye provides online classroom with live lectures, company specific test series and the placement preparation with vast array of learning resources including sectional and chapter wise tests on quantitative, verbal and logical reasoning. The modules available for students are Aptitude Basic & Advance, Interview Preparation, Company-Specific Test Series, Coding Capsule and Engineering Capsule. It consists of resources that comprise of Video Tutorials, E-Books, Assignments and online Tests. It also uses smart analytics to identify the student's strengths and areas of concern. The detailed area wise and sectional test analysis will help student to focus on the weak spots and build a strategy for exam. As outcome of blended training model with HitBullseye, placement statistics drastically increased from 260 in 2021 to 820 in 2022 with increase in average package from 3.6 LPA to 5.4 LPA.

Career guidance sessions have also been conducted by our Alumni for the aspiring students to share their experiences. In order to bring out technical expertise within the students, distinguished personalities are invited to deliver lectures and seminars on emerging fields.

As an outcome of adopting **blended mode** of training and exposure to various experts, there is remarkable achievement in placements in terms of students' on-campus placement count and number of offers. Also helped students in getting placements at good companies through off campus even after graduation.
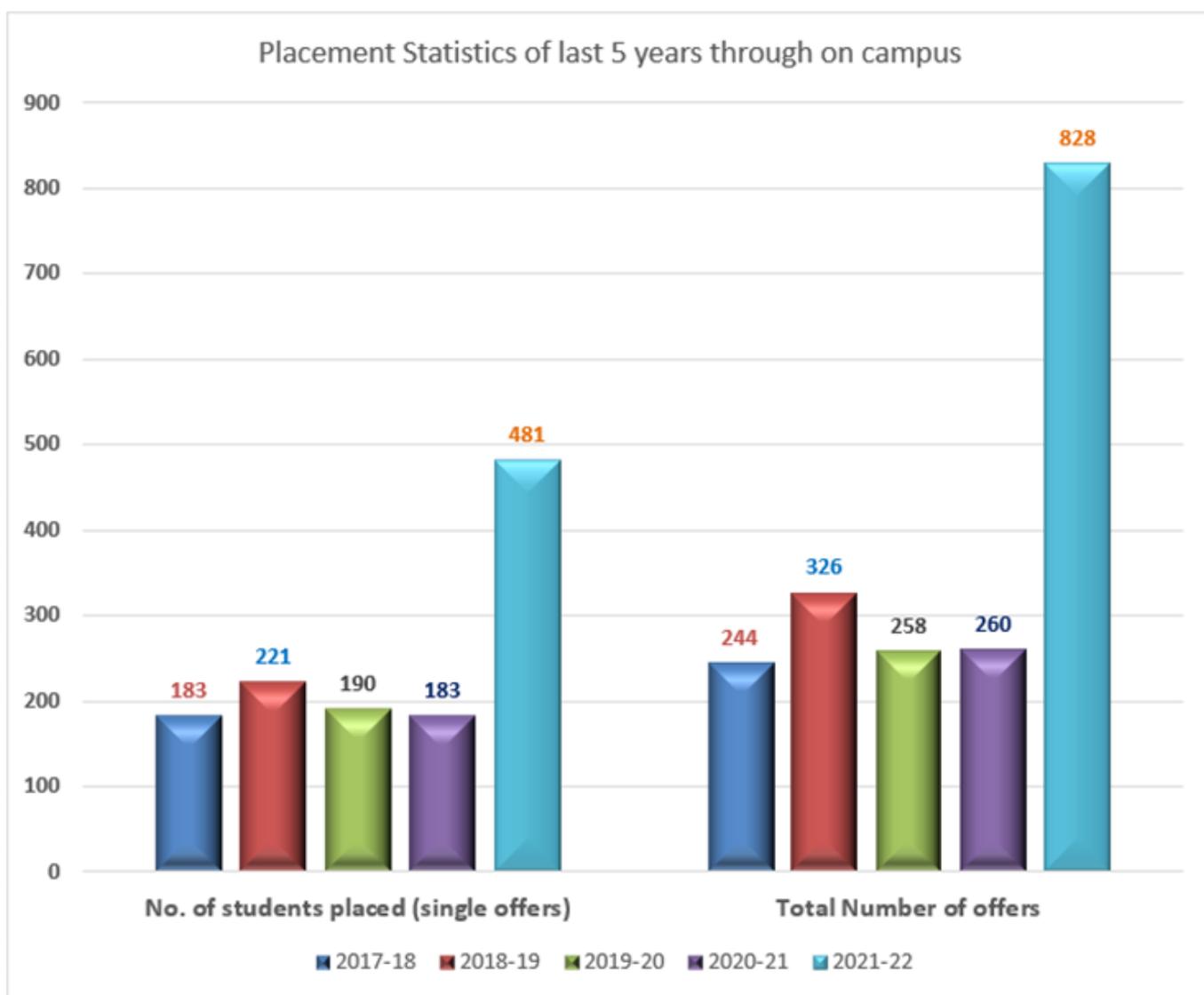
Fig: Placement Statistics of last 5 years through on-campus only

File Description	Document
Appropriate web in the Institutional website	View Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

SJC Institute of Technology (SJCIT), Chickballapur is a premier institute imparting quality Technical Education since 1986 to the students especially from rural areas. The college is situated in 64 acres campus on Bangalore – Hyderabad National Highway-NH7, 45 kms from Bangalore city about 20 kms from Kempe Gowda International Airport and about 5 kms from Muddenahalli, the birth place of Sir M. Visvesvaraya.

The Institute is managed by Sri Adichunchanagiri Shikshana Trust (R.) was founded in the year 1974, with a sole purpose of promoting education, research and service to humanity at large, having the laudable motive of providing Primary and Higher Education to the rural masses to uplift the Social, Cultural, Ethical and Moral standards of the people inculcating in them the human values and spirituality. SAST runs 515+ value based and quality oriented educational institutions catering 150000+ students across the country imparting education from Primary to Professional courses with a special focus on young people of semi-urban and rural areas. The major Institutions run by the Trust are in the field of Medicine, Engineering, Pharmacy, Ayurvedic, General degree, Management, Professional Colleges, Pre-University Education & Educational centre for destitute, Physical handicapped (Blind) & Mental retarded people.

SJCIT is well-developed with excellent infrastructure, state-of-the-art laboratories, Centres of excellence, BGS-SJCIT Incubation Foundation and BGS R&D Centre in collaboration with BARC, NAIN & KITS are the special attractions of SJCIT that strengthen R&D activity as well as Incubation and start-up culture. The institution has separate Girls & Boys Hostels, a well stacked Library, World class BGS Auditorium with 1200 capacity, Yoga & Mediation Centre, 6 Seminar Halls, a spacious playground, Indoor and Outdoor stadiums and 80+ college vehicles, 200+ dedicated & competent faculty members & 3000+ Students are pursuing in the institution. In completing its 36th year of establishment, SJCIT has grown by leaps and bounds in terms of increased number UG & PG programmes, intake, placements and R&D initiatives. SJCIT has become one of the leading institutions in Karnataka. The Institution has produced 20000+ successful engineering graduates and 2000+ post graduates.

Concluding Remarks :

SJC Institute of Technology (SJCIT), Chickballapur is committed to provide all the requirements in curricular and co-curricular areas of Technical Education to our students and hone the Students with technical knowledge, soft skills, Physical Education, Ethics & Moral values to enable them become competent successful Engineering and Management Professionals in tune with the industry requirements & international standards.

The Institute is also committed to strive for continual improvement of its Quality Management System through stakeholders' satisfaction in terms of achieving Academic Excellence, comprehensive Personality Development and excellent placement opportunities for the students.

The Management of the institution embrace transformation as a continuous way of teaching-learning and hence adopt the transformation to respond to new challenges to ensure better learning outcomes. NAAC, NBA, and QS-I Gauge accreditation of the institution has a focus in the practice of excellence and adopt the culture pertaining in Industry and Society Oriented Research, Innovation, Interdisciplinary, Industry partnership by establishing Centres of Excellence in various domains, Entrepreneurship Development, Networking (Student,

Faculty & Experts), Patents & IPR, student-centric, where the teacher will play the role of facilitator and Feedback cum corrective measures.

With the support of the benign Management & dedicated efforts of Faculty, Staff and Students spanning over 36 years, the Institution has made a noteworthy progress & significant achievements and has emerged as one of the best institutions in the State by catering the needs of the students who hail from the rural areas and one of the promising institutions in India.

NAAC accreditation & certification will be a measure to evaluate and assure the standard of education delivered at our institution & it helps the Institution to accomplish the academic excellence even more with continuous quality improvement & also promotes institutional benchmarks.

As a whole, SJCIT is a family of aspiring Students, Supportive Parents, dedicated Faculty members and visionary proactive & participative Management working together to make a difference in the field of technical education.