



YEARLY STATUS REPORT - 2023-2024

Part A	
Data of the Institution	
1.Name of the Institution	SHAH AND ANCHOR KUTCHHI ENGINEERING COLLEGE
• Name of the Head of the institution	DR.BHAVESH PATEL
• Designation	PRINCIPAL
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	02225580854
• Mobile no	9820021466
• Registered e-mail	shahandanchor@sakec.ac.in
• Alternate e-mail	prashant.khedkar@sakec.ac.in
• Address	MAHAVIR EDUCATION TRUST CHOWK,W.T .PATIL MARG,NEAR SHATABDI HOSPITAL,CHEMBUR,MUMBAI 400088
• City/Town	MUMBAI
• State/UT	MAHARASHTRA
• Pin Code	400088
2.Institutional status	
• Affiliated /Constituent	AFFILIATED NON AIDED MINORITY INSTITUTION(GUJARATI JAIN MINORITY)
• Type of Institution	Co-education

• Location	Urban				
• Financial Status	UGC 2f and 12(B)				
• Name of the Affiliating University	MUMBAI				
• Name of the IQAC Coordinator	Dr.PRAMOD BHAVARTHE				
• Phone No.	9930104709				
• Alternate phone No.	02225580854				
• Mobile	9820759833				
• IQAC e-mail address	iqac@sakec.ac.in				
• Alternate Email address	registrar@sakec.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.sakec.ac.in/internal-quality-assurance-cell-iqac/				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.sakec.ac.in/academic-calendar/				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.16	2021	20/10/2021	19/10/2026
6.Date of Establishment of IQAC			03/01/2019		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Nil	Nil	Nil	Nil	00	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		

<ul style="list-style-type: none"> • Upload latest notification of formation of IQAC 	View File	
9.No. of IQAC meetings held during the year	04	
<ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> • If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<ul style="list-style-type: none"> • Institute has been granted autonomous status from A. Y. 2024-25 for 10 Years. • The department of cyber security received research grant of 15 Lacs from the cyber peace foundation. • Centre of teaching, learning and development has been established to enhance quality of engineering education. • Establishment of B.Voc. Course and certification a course on security market has been done in association with NISM has been done. • Publication and preparation of institute Research Policy in view of the promoting research culture in the institute. 		
12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year		

Plan of Action	Achievements/Outcomes
<ul style="list-style-type: none"> Establishment of Research Centre in the department of Computer Engineering. To promote the research culture among the staff and students, establishment of R & D department and appointment of Dean, R & D. 	<ul style="list-style-type: none"> University of Mumbai permitted Ph.D. (Science & Technology) research centre in the subject of computer engineering from A. Y. 2024-25 with intake of 10. R & D department has been established and Dr. Pramod Bhavarthe is appointed as Dean, R & D wef A. Y. 2024-25.

13. Whether the AQAR was placed before statutory body?	Yes
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<ul style="list-style-type: none"> Name of the statutory body
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Name	Date of meeting(s)
Governing Body	03/06/2024

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2023 -24	08/01/2025

15. Multidisciplinary / interdisciplinary

In view of requirements of the society, institute has taken a number of steps in order to become multidisciplinary institution. Honors degree has been offered to students after successful completion of a four semester interdisciplinary course on various advanced topics such as Artificial Intelligence and Data Science, Internet of Things, Augmented reality and virtual reality. This four semester course has been offered to the third year students of the institution who fulfill the eligibility norms as specified by Mumbai University as per their choice. There are institute level elective subjects such as Disaster management, Environmental management, Cyber Security which will incorporate human values and science among students. The Institute offers credit based grading system curriculum in which credits are assigned after successful completion of the course. Students do mini projects and major projects in the field of Robotics, Electronics, Data Science and Security, which cover multidisciplinary subjects. College is affiliated with Mumbai university and currently does not have flexible curriculum with

multiple entry and exit facility. However the college has been conferred autonomy from A.Y 2024-25 , so that it can have Multidisciplinary comprehensive curriculum as per NEP 2020 Norms with multiple entry/exit .There is a fully functional research cell doing research in interdisciplinary areas . Institutional values and best practices: Students participate in project competitions such as smart India hackathon,Avishkar ,wherein they present projects providing solutions for most pressing issues of society. In order to prepare students for these competitions inter college project competition is held and judges are invited from industry as well as from other institutes. Suggestions given by the expert judges are incorporated by the students ,which help in improving their performance in these project competitions.

16.Academic bank of credits (ABC):

With the implementation of autonomy from current academic year , the institution has proactively aligned its academic structure with the Academic Bank of Credits (ABC) guidelines under NEP 2020. The institution has developed a flexible credit-based structure allowing students to earn and transfer credits across different courses and institutions. The institution has registered under the Academic Bank of Credits (ABC) framework, utilizing its autonomy to introduce flexible entry and exit options as per NEP 2020 guidelines. Students can now exit with a certificate after one year, a diploma after two years, or a degree after three or four years, based on accumulated credits. The institutions NAD ID is NAD103402. Autonomy has empowered faculty members to innovate within the ABC framework. Faculties are given the freedom to design course structures, choose textbooks, and develop assignments and assessment methods. Regular workshops and training sessions are conducted to help faculty adopt innovative teaching methods. Faculties have the freedom to choose diverse learning resources—books, journals, and digital content—tailored to each module’s goals. Faculties can design assessments that are flexible and suited to the credit-based structure, such as project-based assessments and continuous evaluation, to ensure learning is measured comprehensively. ABC Id registration is done by the students at the time of the first year admission process. Registration is completed for second, third and final year students. The institution has partnered with industry organizations to align courses with real-world skills, providing students opportunities to earn credits through internships and industry-based projects as part of their academic curriculum.

17.Skill development:

1.At the beginning of every academic year, the training and

Placement cell conducts a two-week (last year it was conducted from 19 June 2023- 26 June 2023) training programme for final year students to improve soft skills. Soft skills training focuses on developing skills such as communication, teamwork and problem solving. Other soft skills include emotional intelligence, a positive attitude and taking the initiative. 2. Faculty Development Program on Business Communication was conducted on Saturday, 2nd September 2023 by TCS. 3. Institute has organized a Comprehensive FDP by BAPS (IPDC Team) to offer valuable guidance and support to teaching staff, enabling them to enhance their abilities and achieve higher levels of excellence in educating students on 8 July 2023. 4. The Aptitude Training session was conducted by Prof. Deepti Pawar on 28 June 2023. 5. The IOT Session was conducted by Prof. Santosh Kamble on 27 June 2023. 6. Gate way to GATE (Higher studies Guidance) was conducted by Prof. Prakash Parmar VIT on 28 June 2023y. 7. Workshop is conducted by "Art of Living ". Its stress elimination and self-development programs are based on the breathing technique Sudarshan Kriya, meditation and yoga. This technique is a major part of Art of Living courses. These courses have been conducted for students and faculty. Art-of-living is a form of self-direction with a view to a good life. Art-of-living wants to teach man to achieve the good life himself. As such, it employs a mix of both modern and classical concepts, such as autonomy, authenticity, and "the good life". 8. A session on Interview Skills and Mock Interview was conducted by Ms. Jayashri Chaudhari from 19 March to 31 March 2024. 9. Higher Studies Guidance seminar was conducted by Dr. Sanjay Gupta on 2 April 2024 10. Career Guidance in Japan session was conducted by Fuji Academy on 4 April 2024

18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

We are affiliated to the University of Mumbai, which decides and revises the curriculum periodically. Institute has started implementation of autonomy from academic year 2024-25. We have worked in incorporating IKS our curriculum. We have done following activities in the AY2023_24. IKS SAKEC in collaboration with EXTC Dept conducted "Har Ghar Dyhan", that is a collaborative initiative of Art of Living & GOI under the series of Azadi ka Amrut Mahotsav, on 14th July 2023. Speaker of this event was Ms. Pratima Singh. With its motto of preserving & disseminating the ancient, rich Indian Knowledge systems in the domains of Science, Technology, Mathematics & Healthcare, on 6th Oct 2023, IKS SAKEC in collaboration with Kalavrind (SAKEC Artist club) & Sambodhi (SAKEC Writer's club organized "Chitrabhivvyakti : Live Portrait/ Artwork Making of Ancient Scientists". Members of

Kalavrund enthusiastically started making portraits of Rishis like Shushruta, Bharadwaj, Agasthyas, etc. Besides each Artist, Sambhodhi club members started narrating about the rishi. This created an entirely holy and unique atmosphere in the foyer for nearly 2-3 hours. This was witnessed by students and faculties of SAKEC.

3.SAKEC students, Vrishi K Shah, Ayush B Mange, Nishad S Sidhye, Gayatri K Kalel, under the mentorship of Dr. Vinutha T.P. & Thyagaraju P. H presented their work, "Indian Knowledge System in Management", as poster in the National Conference held in IITB, in July 2024

4.EXTC Dept students Vijay Sandha, Esha Telkar, Dhruv Mehta, Deepmala Singh, under the mentorship of Ms.Monika Ingale and Dr.Vinutha T.P. presented their B.E project work on, "Machine Translation from English to Regional Languages using Transformer Model", in International Conference on Intelligent Computing and Big Data Analytics, June 2024, Navi Mumbai.

5.IKS has been implemented in autonomy curriculum from 2024-25.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The institute has successfully implemented Outcome-Based Education (OBE), ensuring a focused, measurable, and continuous improvement process aligned with the 12 program outcomes defined by the National Board of Accreditation (NBA). This report highlights the key activities, strategies, and initiatives integrated into the teaching and learning processes to ensure the attainment of these program outcomes.

1. Curriculum Design and Alignment The curriculum is structured around the OBE framework, where every program is designed to achieve the defined Program Educational Objectives (PEOs), Program Specific Outcomes (PSOs) and Program Outcomes (POs). These outcomes are periodically reviewed and aligned with the institute's vision and mission. Every department ensures that their program's vision, mission, and outcomes are in harmony with the overarching institutional goals.

2. Course Outcomes (COs) and Mapping Each course in-charge is responsible for designing measurable Course Outcomes (COs) that address all cognitive levels of Bloom's Taxonomy. These COs are aligned with the Program Outcomes (POs) and Program Specific Outcomes (PSOs), ensuring that students develop the skills, knowledge, and attitude required for their professional growth. The COs are mapped with appropriate assessment methods, such as internal assessments, term work, quizzes, project evaluations etc.

Assessment Methods and Continuous Evaluation The assessment process is continuous and follows both direct and indirect methods to gauge student performance.

1. Direct Methods: Internal evaluations such as lab performance, quizzes, tutorials, internal assessments, and projects etc. are mapped to the COs and evaluated against performance indicators that reflect the competency levels. External evaluations

include end-semester theory and practical exams. 2. Indirect Methods: Indirect assessments involve feedback mechanisms such as course/lab exit surveys, program exit surveys, and co-curricular and extra-curricular activities. These tools help to gain insights into the effectiveness of the teaching-learning process and identify areas for improvement. 3. Student-Centric Learning Approach The institute focuses on student-centric learning through a combination of experiential learning, participative learning, and real-world problem-solving methodologies. These approaches are designed to engage students actively in the learning process and help them develop problem-solving and critical thinking skills. The infrastructure and resources are continuously upgraded to support these methodologies, ensuring a conducive learning environment. Additionally, regular practice on online coding platforms are integrated to further enhance students' practical knowledge and skills. 4. ICT Integration and Faculty Empowerment Faculty members are empowered with ICT tools and training provided by the Teaching-Learning (T-L) center. The center focuses on developing faculty capabilities in innovative teaching practices and ICT-enabled active learning strategies. This initiative supports the adoption of modern teaching tools that enhance student engagement and learning outcomes. 5. Research and Innovation The institute emphasizes fostering a culture of research and innovation. Collaborative efforts with IUCEE for innovation, the incubation center, and internship programs provide students with opportunities to apply their theoretical knowledge to real-world challenges. Research cell activities are also promoted to engage students and faculty in academic research and innovation projects. 6. Industry and Experts Engagement Industry experts, Alumni and Departmental Advisory Board members play a crucial role in the continuous reviews which helps to design contents beyond curriculum, co-curricular activities to bridge the gap between industry academia. All the course delivery contents are reviewed by external course/domain experts to ensure its quality, relevance and alignment with industry trends. 8. Feedback Mechanisms Regular feedback is collected from stakeholders through various channels, including course/lab exit surveys, program exit surveys, infrastructure related feedback, student's internship & placement experiences etc. These feedback are critical in assessing the efficacy of the teaching methods, course content, and overall student experiences. The feedback collected helps the institute make necessary adjustments to improve the quality of education and meet the evolving needs of students and industry. 9. Institute Social Responsibilities The institute's NSS cell plays a pivotal role in coordinating and managing social responsibility initiatives. Through NSS, students are actively involved in various community service activities, including organizing blood donation camps, conducting

educational outreach programs, and implementing technical solutions for local issues. The NSS chapter ensures that these programs align with the institute's broader goals of social welfare and community development.

20.Distance education/online education:

At Shah and Anchor Kutchhi Engineering College, we integrate modern technology into education to enhance learning experiences. Each newly admitted student and staff member receives dedicated Gmail and MS Teams accounts upon joining the college. These accounts serve as critical tools throughout their academic journey, enabling teachers to create teams for classes and subjects, share essential resources such as textbooks, notes, assignments, and presentations, and facilitate collaborative learning. These platforms offer additional interactive features. Teachers can create polls, quizzes, and assignments to engage students actively. As online accessibility becomes essential for today's tech-savvy students, these resources support seamless access to learning materials. We provide two unique platforms for online education: Philophysics Mobile App: Developed by SAKEC, this app focuses on Engineering Physics, a subject often seen as challenging for first-year engineering students. It includes comprehensive notes, quizzes, concept maps, solved and unsolved problems, and is accessible to all students across various colleges. In recent years, we have expanded the app by adding animated short videos to make complex concepts more engaging. The app is available on the Google Play Store. LINK : https://play.google.com/store/apps/details?id=com.philophysics.physicsappli&hl=en_IN&pli=1 Practical Sessions via Online Tools, Emulation, and Simulation Software: For practical labs, especially those that aren't software-based specially for first year students, we have developed virtual environments that enable students to continue their hands-on learning experience online. We are also working to integrate data analytics into these virtual labs to help educators track student progress and improve learning outcomes. You can explore the virtual labs created by our college on our website. LINK :<https://www.shahandanchor.com/VLab/>. In order to improve placement of students sessions ,are conducted by placement cell in online mode. Through these platforms and ongoing technological enhancements, we aim to offer a well-rounded, accessible educational experience that meets the evolving needs of our students.

Extended Profile

1.Programme

1.1

441

Number of courses offered by the institution across all programs during the year		
File Description	Documents	
Data Template	View File	
2.Student		
2.1		2555
Number of students during the year		
File Description	Documents	
Institutional Data in Prescribed Format	View File	
2.2		208
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year		
File Description	Documents	
Data Template	View File	
2.3		635
Number of outgoing/ final year students during the year		
File Description	Documents	
Data Template	View File	
3.Academic		
3.1		161
Number of full time teachers during the year		
File Description	Documents	
Data Template	View File	
3.2		172
Number of sanctioned posts during the year		

File Description	Documents
Data Template	View File

4. Institution

4.1	39
Total number of Classrooms and Seminar halls	
4.2	1286.39637
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	1595
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

SAKEC is affiliated to University of Mumbai and adhered to its curriculum, for the year 2023-24. Autonomous status has been conferred from academic year 2024-25 and curriculum designing is done for all the courses. The institute has a well structured mechanism for curriculum delivery and monitoring. Every course in-charge creates course Information form for Internal Evaluation (CIFIE) which contains information about the weightages assigned to each CO and assessment methods and mappings between each CO & PO-PSO. Gaps are managed by planning and conducting extra experiments, expert sessions or lectures by the teachers. Individual faculty members maintain faculty diary which is checked fortnightly by the designated senior faculty member. Classroom teaching is augmented with suitable ICT tools and techniques. Beyond curriculum experiments are conducted and students are encouraged to undertake real world problem statements for their mini-projects to bridge the gap between industry and academic curriculum. The institute conducts various events and industrial visits and facilitates in-house and outside internship opportunities to provide students a practical perspective on the world of work. Students participate in various national and international level competitions such as Avishkar, Hackathon, Deep Blue Hackathon, etc.

ISO audits of all the academic processes are conducted in every semester. The feedback provided by them are analysed and incorporated in future planning.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.sakec.ac.in/academic-calendar/

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

At the beginning of each term, the academic dean prepares the academic calendar of the institute aligned with the university academic calendar after discussion with the Principal, HODs, Examination In-charge and various student bodies. All the academic activities strictly adhere to the calendar for the complete term. HOD conducts department meeting at start of the semester. ICT based teaching is encouraged. Institute has smart classrooms, List of experiments are prepared and displayed in all the laboratories as per schedule mentioned in the calendar. Ours is an ISO 9001:2015 certified institution which ensures quality standards in all academic activities. All faculty maintain faculty diary wherein weekly, and day wise planning of lectures and faculty diary checking are done by senior teachers as per planning. Internal assessment test schedule and date for declaration of results are planned in the academic calendar which helps the students to plan their activities. College has an effective student mentoring system. Meetings with mentors are conducted as per schedule in the calendar. Regular meetings foster a strong bond between mentors and mentees. Mentors maintain interaction with parents regularly. Extracurricular and co-curricular activities, sports, cultural programs, Industrial Visits, Regular project Reviews etc are planned in the calendar and executed accordingly. Students are taken for a national and international industrial visit which are conducted once in every year.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.3 - Teachers of the Institution participate in A. All of the above

following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.
 Academic council/BoS of Affiliating University
 Setting of question papers for UG/PG programs
 Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
 Assessment /evaluation process of the affiliating University

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

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

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

06

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

12

File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

940

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

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

The institute encourages and takes various initiatives to create awareness about important issues such as Gender, environment cleaning and Human Values. This helps to inculcate empathy and compassion towards less privileged people in our society and make them better human beings. The curriculum includes courses such as Environmental Management, Project management, Finance management, Professional communication & Ethics, Business communication & ethics, Cyber security, and IPR which address the issues of environmental sustainability & professional ethics. We have Turnitin plagiarism detection software and IPR Cell to understand ethics of profession. The various events are conducted by NSS are as follows-

Tree Plantation

06/06/2023

G20StreetPlay

09/06/2023to15/06/2023

DigitalPoster MakingCompetition

14/06/2023

YogaDrive

21/06/2023to11/07/2023

OnlineQuizCompetition

26/06/2023

Animal/BirdFeeding

07/07/2023to06/08/2023

Pledge OnPlantation

09/08/2023

Tree Plantation

09/08/2023

IndependenceDay

15/08/2023

AmrutKalashatcollege

25/09/2023to03/10/2023

ChemburRailwayStationCleaning

01/10/23

FitIndiaFreedomRun 4.0

12/10/23

Amrit KalashYatra

13/10/23

OnlineQuizCompetition

31/10/2023

HandicraftExhibition

09/11/2023

Mega MedicalCamp

10/11/2023

Suryanamaskar

20/11/2023to25/11/2023

v4organ donation

10/01/2024

CollegeTerrace Cleaning

11/01/2024

MumbaiSustainability Summit

15/01/2024

RepublicDayCelebration

26/01/2024

MenstrualHygiene session

09/02/2024

EVMmachine workingdemonstration

29/02/2024

Voter'sdayquiz

04/03/2024

Postermakingcompetition

07/03/2024

Voter'spledge

14/03/2024

SAKEC Marathon

17/03/2024

Signature Campaign

20/03/2024

Districtwise Themebased Workshop
on Viksit Bharat in association with University of Mumbai

19/03/2024 to 20/03/2024

Blood Donation Camp

06/04/2024

Electoral Skit

22/04/2024

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

57

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

949

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://drive.google.com/drive/folders/1h0T3YStSoFyAF3ZDAkbYKRjQAUApEtyM?usp=drive_link
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website
File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://drive.google.com/drive/folders/1h0T3YStSoFyAF3ZDAkbYKRjQAUApEtyM?usp=drive_link
TEACHING-LEARNING AND EVALUATION	
2.1 - Student Enrollment and Profile	
2.1.1 - Enrolment Number Number of students admitted during the year	
2.1.1.1 - Number of students admitted during the year	
777	
File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File
2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)	
2.1.2.1 - Number of actual students admitted from the reserved categories during the year	
208	
File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File
2.2 - Catering to Student Diversity	
2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners	
Institute has developed well-defined procedures for overall monitoring, evaluating, improving and catering diverse students	

according to diverse learning needs. Efforts are taken to make teaching-learning processes effective and interactive. Key indicators for assessing learning levels include: ? Performance in previous end-semester exams ? Engagement in lectures/labs ? Quizzes, assignments, case studies, mini projects, and beyond-syllabus activities ? Mock interviews, GATE for final-year students ? Mentors assess mentees'abilities based on academic performance, participation, andpersonal aspects.

Programs for Slow Learners: ? Guidance and motivation in mentoring sessions ? Remedial sessions for improved exam performance ? Additional practice and lab sessions ? Access to e-books and video lectures ? Extra time for Divyangjan students during exams, as per University rules.

Programs for Advanced Learners: o Guidance and motivation in mentoring sessions o Challenging projects on latest technologies o Extra sessions for GATE, GRE, TOEFL preparation o Encouragement to participate in state and national competitions (Hackathon, Red Hat, AWS, etc.) o Access to online courses (NPTEL, CISCO)

o Support for research and internships o Participation in events organized by IEEE, IETE, CSI.

These efforts lead to increase in the number of securing high grades, Awards won in variouscompetitions, Students securing admission for higher education in National and Internationallevels, Placement with high package

File Description	Documents
Paste link for additional information	https://drive.google.com/file/d/1s6VKMbOFQm_uYbzDR6AZK5yKcMB19MRo/view?usp=sharing
Upload any additional information	View File

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

Number of Students	Number of Teachers
2552	161

File Description	Documents
Any additional information	View File

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

SAKEC strongly believes in learning through experience for the improvement of students in all aspects. Hence, the institute practices various student centric methods for effective learning and provides the infrastructure accordingly to enhance the overall learning environment.

[A] Experiential Learning: Process of learning through hands-on experiences.

? Practical implementation of theoretical knowledge learned in the classroom.

? Institute organizes various workshops/training and competitions for students under various chapters/ professional bodies.

? Institute provides internships to students and facilitates them to work on industry projects.

[B] Participative Learning: Teachers and students together create a trusting and innovative learning environment and make use of a variety of teaching methods.

? Students Council formulate various student committees for planning and conducting sports, cultural and technical events.

? National and International industrial visits are organized for students to enhance their interpersonal skills.

[C] Problem Solving: Institute encourages teachers to incorporate activities that enhance problem solving skills of students.

? Students are encouraged to participate in inter and intra college project competitions/ exhibitions.

? MOOC certifications courses are promoted by the Institute.

? Each student has to complete the levels of interactive "Linguaphone iLotus L21" software to improve their communication skills.

? Institute has a well equipped library with adequate books and e-resources.

File Description	Documents
Upload any additional information	View File
Link for additional information	https://drive.google.com/file/d/1HZlxnWIfnYp9JdPnr33IKClIn6oiUblk/view?usp=sharing

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

ICT tools are used by faculty for effective teaching-learning. Use of ICT enabled tools has a significant and positive impact on students' achievements.

A Teaching Learning Center at SAKEC is formed in 2019.

Following are the innovative initiatives undertaken by SAKEC faculty members for improving teaching and learning experience.

? Each department has dedicated smart classrooms to make the teaching learning process more interactive.

? Flipped Classroom, Think pair share and peer instruction are adopted for effective teaching and learning.

? Faculty members are encouraged for online courses to stay updated technologies and advanced teaching process

? Facilitating students for various Project Competitions is an integral part of our college culture. Students regularly participate in national level project competitions and Robotics and Embedded System contest link hackathons, e-Yantra.

? Microsoft Teams and Google Classroom is used by faculty members to conduct online lectures, assessments and to share learning resources during Covid-19 pandemic situation.

? Digital library base assignments promote self- learning of students.

? Urkund Software is used to check the plagiarism of the technical paper and report written by students.

? Institute promotes the faculty participation in STTP/FDP especially on ICT Tool and Techniques.

? Industrial visits help students to get insight into industry culture and trends.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

2.3.3.1 - Number of mentors

143

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

161

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year**29**

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)**2.4.3.1 - Total experience of full-time teachers****1469**

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The process of conducting assessment internally is a continuous process including Internal Assessment (IA) exam, Term work (TW) and Project reviews and assessment during the semester.

1. Internal Assessment Exam: In a semester, two IA exams are conducted as per the rules of University. IA-1 is conducted in February/August. IA-2 is conducted in April/October. The exam schedule is displayed on the notice board and departmental web pages. The syllabus of IA exam is disseminated to students in the class well in advance. The solution of each question is discussed and the evaluated answer books are shown to students to maintain transparency.

2. Term Work (TW): TW marks are given for each course, mini project and BE project as per Mumbai University norms.

A. For Course: The TW marks given to each student is the weightage of marks obtained from assignments, experiments and attendance as per the rules of University.

B. Mini projects (if any): are subjected to periodic reviews by the committee for continuous assessment followed by final demonstration and report writing.

C. Final Year Projects: Progress is monitored by the internal review committee fortnightly. The weightage of marks in reviews, quality of report and publications is considered for TW.

File Description	Documents
Any additional information	View File
Link for additional information	https://drive.google.com/file/d/10Lu2gRb3VMu5hVAXyflDdiOpHsz32iak/view?usp=drive_link

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

To minimize the occurrence of any examination related grievances, all internal and University examinations are conducted in the Institute in a fair, transparent and time-bound. The examination section ensures confidentiality and security of the examinations. Institute deals with examination related grievances in an efficient way:

1. Before examination: Any grievance related to hall ticket is addressed and resolved by examination section.

2. During examination: To ensure students do not indulge in any unfair means, the examination is conducted under the supervision of Supervisors. The vigilant squad from university and COE take rounds during the examination. If any student is found indulging in any unfair means, action as per the University guidelines is taken. An Unfair Means committee is set up to deal with such cases.

Students may report grievances in question paper, which is then conveyed to university and clarification, is communicated back through proper channel.

3. After examination: In internal examinations, grievances are addressed and rectified by the concerned faculty. In University exams, after the result declaration, students may raise grievance and apply for revaluation. Subject experts from other colleges do the revaluation.

All other grievances, that require communication with the university, are promptly done with proper documents by the examination section.

File Description	Documents
Any additional information	View File
Link for additional information	https://drive.google.com/file/d/1eHoy9xyTJBuXF0iZ3ngzXBTjxNALqYjl/view?usp=drive_link

2.6 - Student Performance and Learning Outcomes

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

Course Outcomes are a comprehensive set of learning goals that are developed across that particular course. They reflect the competencies needed to meet the challenges of that course. COs have been thoughtfully defined for all courses across the various programs being offered. University of Mumbai has specified the course outcomes for each subject and based on that, the Institute has developed its objectives to improve the efficiency and effectiveness of the course content delivery. While designing it, Bloom's Taxonomy is also kept into consideration. At the beginning of the semester all courses in charges disseminate the COs to the students. In order to improve the quality of teaching and learning, the Institute has also developed Program Outcomes (POs) and Program Specific Outcomes (PSOs). All these are disseminated to the stakeholders through the following channels: ?

- Digital Media 1. Institute Website ?
- Print media 1. Faculty Diary 2. Course File ?
- Outdoor - Boards at prominent places 1. Instructional Areas (Classrooms) 2. Laboratories 3. Seminar halls ?
- Administrative Areas- department offices, Faculty rooms ?
- Activities/Meetings 1. Orientation/ Induction Programme 2. Dissemination at the first lecture 3. Departmental meeting 4. Department advisory Board (DAB) meetings and their suggestions are incorporated.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://drive.google.com/file/d/1zt71pgy8IhF39x5Vh4IjMkQxBnxcs-sD/view?usp=sharing
Upload COs for all Programmes (exemplars from Glossary)	View File

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

For outcome based education, analysis and attainment of course outcomes(CO), program outcomes(PO) and program specific outcomes(PSO) is important as it helps to improve the quality of teaching and learning process. The efficiency and effectiveness of the process is continuously assessed and improved by taking inputs from experts in the Department Advisory Board. For every course, the attainment of COs, POs, and PSOs are calculated using Course attainment calculation sheet considering all aspects of teaching and learning process. The attainment calculations are as follows

1. CO attainment: Calculation of CO attainment is based on the following components: [A] Direct Method 1. Internal Evaluation ?
 • Term Work i. Lab performance ii. Assignments iii. Other components (e.g. Quiz, tutorials, case studies etc) ?
 • Internal Assessment Tests

2. External Evaluation

? End Semester Oral/Practical and Theory Examination

[B] Indirect Method ? Course Exit Survey : ? Lab Exit Survey: 2. PO attainment: Calculation of PO attainment is also based on the following components such as 1. Direct Method: The COs of each course are mapped to the POs and final PO attainment is calculated
 2. Indirect Method:

? Co-Curricular and Extra Curricular activities ? Literature Survey
 ? Program Exit Survey

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://drive.google.com/file/d/1MZWRSAPkWGjn1TGuX_VcDzpUSUyGZl0b/view?usp=drive_link

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

602

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://drive.google.com/file/d/1Pjrz-NZiLS-zJL9oc0f9tkG9Fi0YvF2X/view?usp=sharing

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://drive.google.com/file/d/1cvCJ9zWGDM-6kf-VpzImdJgURXdkLZdC/view?usp=sharing>

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 year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

42.328

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

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

3.1.2.1 - Number of teachers recognized as research guides

04

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

04

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	https://www.smt.co.in/

3.2 - Innovation Ecosystem

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

The Institute continued its concerted efforts to foster a culture of research, innovation, and entrepreneurship during the academic year

2023-24. These efforts included participation in Institute Innovation Council (IIC) 6.0, enhancements to the Technology Business Incubator (SAKEC-TBI), appointment of dean R&D, and the organization of various events to promote innovation and skill development.

A significant milestone achieved during this period was the appointment of a full-time manager for the SAKEC-TBI, ensuring better management and support for budding entrepreneurs. The TBI provided an enriched ecosystem where staff and students utilized the space, equipment, and facilities for their startups. This move greatly enhanced the operational efficiency of the incubator and the support offered to its users.

The Institute participated actively in IIC 6.0, conducting 52 activities aligned with the updated guidelines of the Ministry of Education's Innovation Cell (MIC). These activities included workshops on Design Thinking, problem identification, and ideation sessions led by prominent speakers, attracting a large number of students.

To promote competitive coding and innovation, the Entrepreneurship and Innovation Cell organized several national-level events, including hackathons and coding competitions. These events witnessed participation from diverse institutions across the country, providing a platform for students to showcase their technical expertise and innovative ideas.

Additionally, a flagship Institute-level startup pitching event was organized.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sakec.ac.in/technology-business-incubator-tbi/

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

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual

Property Rights (IPR) and entrepreneurship year wise during the year

09

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards**3.3.1 - Number of Ph.Ds registered per eligible teacher during the year****3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year**

00

File Description	Documents
URL to the research page on HEI website	https://www.sakec.ac.in/research/
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year**3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

48

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

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

35

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

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 year

To ensure the holistic development of students and to sensitize them towards social and cultural issues, the Institute organized many impactful extension activities during the academic year 2023-24. These initiatives, conducted through (NSS), Ek Bharat Shreshtha Bharat (EBSB), and other institutional bodies.

- Podcasts 1 & 2, which highlighted critical social issues and provided students a platform to voice their perspectives.
- Garba, promoting cultural engagement and unity among students.
- Tree Plantation Drives and Pledge on Plantation, fostering environmental consciousness.
- G20 Street Play and Digital Poster Making Competition, raising awareness about global issues and creative expression.
- Chembur Railway Station Cleaning and College Terrace Cleaning, emphasizing the importance of cleanliness and community service.
- Mega Medical Camp and Blood Donation Camp, contributing to public health and well-being.
- Menstrual Hygiene Session, addressing critical health awareness for female students.
- Fit India Freedom Run 4.0 and Suryanamaskar, encouraging fitness and well-being.
- Amrit Kalash Yatra and SAKEC Marathon, blending tradition and fitness.
- Voter's Pledge, Electoral Skit, and EVM Machine Working Demonstration, creating awareness of electoral processes and responsibilities.

In addition, activities such as the Mumbai Sustainability Summit and District-wise Theme-based Workshop on Viksit Bharat were held.

Competitions like the Online Quiz Competition, Poster Making Competition, and the Handicraft Exhibition were organized.

These activities had a profound impact on the neighbourhood community and students alike.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

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

04

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	No File Uploaded

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 organized in collaboration with industry, community and NGOs) during the year

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., during the year

07

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

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

344

File Description	Documents
Report of the event	No File Uploaded
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

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

418

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

12

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities**

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

As an important step towards realizing its vision of imparting quality education, the Institute has a state-of-the-art infrastructure in its campus of 6189 sqm. The infrastructure is created as per the guidelines by AICTE and other statutory bodies.

- 1. Classrooms:** There are total 39 Classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.
- 2. Laboratories:** The Institute has 50 well equipped laboratories out of which 33 are dedicated computer laboratories ready with powerful machines and licensed software.
- 3. Auditorium:** A high tech auditorium with the capacity of 250+ and fully furnished, modern 06 Seminar halls are used for all technical and cultural activities.
- 4. Library:** A well-equipped library maintains 28200 book volumes, 3599 e-book titles and 7 online databases. It is an institutional member of IIT Bombay, Tata Institute of Social Science (TISS) library and National Digital Library.
- 5. Other facilities include** - drawing halls, workshop, and store room, placement cell, counselling centre, girls' common room, examination section and administrative office.

6. IT Facilities: The institute has a central server with 1225 computing machines in working condition. Institute uses its website, email, SMS

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sakec.ac.in/infrastructure/

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

Being committed to the overall growth of the students, the institute has developed sound infrastructure for exercise and sports. There is a fully air-conditioned and equipped gymnasium, developed in 2015-16 with a 200 sqm area and indoor sports facility. The gymnasium is supervised by a gym instructor. Recreation of energy is an important aspect of college life for the students. To give full opportunity to enjoy it, a multipurpose outdoor sports facility is made available to the students to play various outdoor sports. In addition, college utilizes a BMC ground with an area of 3780 sqm to satisfy most of the outdoor sports requirements. Utilizing these facilities fully, the SAKEC students have participated in various University, State, National and International level tournaments and won medals. The International Yoga Day is celebrated in the institute every year on 21st June from 2015. NSS activity is also started for students. SAKEC annual festival, Pratishtha which is a confluence of Verve, Olympus and Nucleus gives full opportunity to the students to explore and unleash their talents. The 283.76sqm high-tech auditorium established in the year 2012-13 with a capacity of 250+ in the college and nearby Aangan Lawns is also used to conduct cultural activities

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sakec.ac.in/virtual-tour/

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

39

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

320.58094

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

SAKEC's library is spacious, well-ventilated, and well-furnished, featuring a large reading hall and a vast collection of books on curriculum, self-improvement, and personality development. It subscribes to numerous national and international technical journals, keeping students updated with the latest developments. The library offers services like Circulation, Reference, Referral, CD viewing, and Online searching, with a dedicated computer facility for online resources. The NVDA Screen Reader allows visually impaired users to access computers and the internet. The NDLI club was formed in 2020-21.

The library supports academic programs with its in-house ILMS Software, accessible to all staff and students. This automated

Library Management System was updated in December 2019, with remote access provided during the pandemic. The database is meticulously maintained, with detailed information about each book. Features include daily issue/return records, a master database of vendors and publishers, branch-wise book details, overdue reports, annual book purchase details, an accession register, barcode printing, and a Web OPAC linked to the ILMS for efficient searching and locating of books.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://www.sakec.ac.in/library/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

75.81

File Description	Documents
Any additional information	View File
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)**4.2.4.1 - Number of teachers and students using library per day over last one year**

201

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

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

The IT infrastructure is a state-of-the-art infrastructure. It includes several high-end servers, firewalls, workstations, routers, switches and latest versions of premium, licensed software, projectors, laptops, smart boards, printers etc. Institute has Licensed software's like Windows Operating System, Oracle 12c, Clementine, Microsoft Teams etc. The Institute also promotes the use of free as well as open-source software. Following are some of the premium hardware and software resources available in the Institute:

Server: Institute has three centralized servers out of which main server issued as an application server and two servers are used as a domain server. Firewall: gajshield 360dci the main firewall to meet the growing security needs. Router: SAKEC has Cisco router and Leased line for the whole college with 500Mbps internet speed. Networking Switch: SMC/ Acton Cheetah Switches, SMC EZ /Tiger Switches, DLink switches are used. Computing Facilities: Institute has computing machines with configuration as i5 processor, 4GB RAM, 500GB hard disk, 3.10 GHz CPU speed with licensed operating system. Internet and Wi-Fi: The campus has internet connection of 500 Mbps bandwidth, providing anytime anywhere access to knowledge and learning resources. In SAKEC all students and staff members are provided with an Email id of 'sakec.ac.in'.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.sakec.ac.in/infrastructure/

4.3.2 - Number of Computers

1595

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)**

139.08

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

Cleanliness beautifies the campus, makes it delightful and makes focussing on study much easier. Knowing this, every effort is made to make the campus clean and beautiful. The Institute sees to it that all resources in the campus are always up and running. It is made possible by having a robust system and well-defined procedures

for maintenance of all facilities. The procedure is followed as below for the maintenance: -

? The request for maintenance is entered in a register maintained by Estate Manager at the Institute level.

? The maintenance schedule is then executed with the support of external agencies.

? Emergency maintenance is carried out on priority basis.

a) Routine Maintenance Cleaning, Dusting, Sweeping and mopping of all areas is undertaken daily by contractual housekeeping staff.

b) Preventive Maintenance: In preventive maintenance Electrical, AC, Lifts, Watercoolers and purifiers, Pest control, Gymnasium, Fire Extinguisher maintenance is done

periodically by contractual agency.

The institute has a full-time maintenance engineer for carrying out IT maintenance.

Every laboratory assistant maintains a complete record maintenance in the maintenance Register.

The books are kept in good condition by binding them regularly. Review and discard of obsolete books are carried out periodically.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

723

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

12

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

**5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills
Language and communication skills Life skills
(Yoga, physical fitness, health and hygiene)
ICT/computing skills**

A. All of the above

File Description	Documents
Link to Institutional website	Nil
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

345

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

345

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	No File Uploaded
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression**5.2.1 - Number of placement of outgoing students during the year****5.2.1.1 - Number of outgoing students placed during the year**

253

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year**5.2.2.1 - Number of outgoing student progression to higher education**

69

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)**5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year**

72

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

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 year

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

03

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

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

SAKEC aims for all round development of students and hence has established student council at College level. The primary objective of creating Student Council is to assimilate and integrate the students from all the constituent departments to provide them with a platform to harness their creative activities in an integrated manner. The Student council, being the apex body organizes various activities with the help of the other cells. Student representatives are appointed after taking interviews in democratic way.

Aurum - the technical fest, and Verve- the cultural fest and Olympus- the annual Sports and Athletics events are some of the most looked upon events that enrich the experience of student's community. Apart from these, we also have events and competitions conducted by the various student-run Cells which keep the students active throughout the year.

Institute organizes industrial visit within india as well as around the globe, where students able to interact with industry expert and get the knowledge of industry operation. Student bodies and coordinator plays crucial role in organizing Industrial visit successfully.

SAKEC provides holistic learning experience to develop managerial capabilities of its graduates. It has well defined processes in place to help students develop their leadership and decision making skills. The various cells/Professional bodies facilitate student development.

File Description	Documents
Paste link for additional information	https://www.sakec.ac.in/student-council/
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

1297

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

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

The SAKEC registered Alumni Association was established on 28/04/2022. Alumni cell was formed in 2018. Alumni are the valuable/Greatest assets of SAKEC.

SAKEC maintains a strong and affectionate bond with its alumni which helps SAKEC to grow not only in the educational field but also socially. SAKEC Alumni guides students for better placement opportunities and Higher studies also Mentorship and Internships.

The key areas where alumni significantly contribute.

1. **Career Guidance:** Alumni play a crucial role in guiding students to success through active participation in the Student Guidance program.
2. **Mentorship:** Alumni cell provide a platform to foster meaningful mentoring relationships between alumni and students.
3. **Internship:** Alumni Plays a significant role in providing Internship to deserving candidates in their organization.
4. **Placement:** Alumni also donate their valuable time to offer career support to current students. This enhances the student's experience and gives them an edge in today's competitive job market.
5. **Workshop and Seminar:** Institute's various departments in collaboration with Alumni cell conduct different workshops and seminars to guide students in different technical domains.

File Description	Documents
Paste link for additional information	https://www.sakec.ac.in/samparka/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

SAKEC's Vision is to become a globally recognized institution offering quality education and enhancing professional standards. Its Mission is to impart high-quality technical education through an

excellent academic environment, well-equipped laboratories, and motivated teachers.

The Department of Electronics and Telecommunications Engineering at SAKEC has been granted a three-year accreditation by the NBA, beginning in the Academic Year 2024-25. Reaccreditation for all other departments will be done in next academic year. Updation of all the laboratories is done on regular basis. New laboratories such as fabrication lab and idea lab will be established as a part of NEP implementation. In order to promote research culture Dean R&D has been appointed. With functioning of various departments under the Principal's supervision. SAKEC's Vision and Mission of inspiring, innovating, and motivating have been fulfilled.

SAKEC has been awarded autonomy by the UGC for 10 years, effective from the 2024-25 academic year until 2033-34. This milestone will enhance academic programs, governance, and the overall educational experience. Formulation of various committees and autonomy syllabus has been completed. New Vocational Courses (B.Voc) in AI/DS and Cyber Security will be started from 2024-25. B.Tech courses in IT and Computer Engineering for working professionals are also introduced, with an intake of 30 seats per department.

File Description	Documents
Paste link for additional information	https://www.sakec.ac.in/syllabus/ecs-syllabus/
Upload any additional information	View File

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

Convocation ceremony:

The convocation celebration at SAKEC was a resounding success, exemplifying the effective leadership and management practices of the College Principal and the administration. One of the key themes that emerged during the convocation celebration was the college's ability to demonstrate effective leadership through decentralized decision-making and a collaborative environment ensured the event was both memorable and smooth. The planning and execution of the event involved various departments, including the academic,

administration, student affairs, and event management teams, each given clear roles and responsibilities. Each department had the autonomy to handle specific aspects of the convocation, such as student registration, decor, guest management, and academic regalia distribution. This decentralized approach ensured that the workload was distributed effectively, reducing bottlenecks and improving efficiency. The leadership in promoting transparency, effective communication, and student engagement made the ceremony a remarkable occasion for the graduates

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Shah and Anchor Kutchhi College of Engineering has made perspective plans in the field of teaching-learning, accreditation, and research. Each plan is developed by the Principal, the heads of the various departments, deans and other teaching staff, for the next five years.

In order to align with the demands of the industry, the institution successfully attained Autonomy from UGC for a period of 10 years, effective from 2024-25. The autonomy syllabus was set and committees were formed by the end of June 2024. From 2024-25, the institution commenced the Autonomy Syllabus.

The institute also planned to commence Btech(Vocational) courses in Artificial Intelligence and Data Science, and Cyber Security.

Also, to elevate the academic standards further and to encourage research, the institution has planned to start PhD in Computer Engineering. This will be commencing from the academic year 2024-25. To promote interdisciplinary academics, the institution also established IKS (Indian Knowledge Systems), Yoga and UHV courses for FY and SY autonomy syllabi.

UG Program in Electronics and Communication applied and attained NBA accreditation for 3 years from AY 2024-25. 18th inter-collegiate Avishkar research convention was conducted in Sakec on 20th December 2023.

For Students Attendance, a new App, Teach Us App was introduced. Staff, students and parents could log in and view their attendance.

To introduce ERP for all administrative work from the next academic year, demonstrations from 3 companies were invited, out of which Eduplus was chosen.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	View File

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

Shah and Anchor Kutchhi Engineering College is managed by the Management Trust Board and the Governing Body, constituted as per the guidelines of AICTE. The institute follows the norms of University of Mumbai, and the rules set by Government of Maharashtra.

The institution has decentralized its operations and has delegated authority at various levels. Principal takes guidance, directions and approvals from the Governing body and the Management Trust Board for various activities of the Institute.

The Institute has IQAC and other committees working under Principal to strengthen academic quality.

Principal interacts directly with HoDs, Deans, Registrar, Librarian, Controller of Exams, Heads of various cells, and Student Council for planning the academic calendar and for conduction of activities in the departments or institute.

As preparation for autonomy, DEC, DAC, DPC and CDC committees were formed for every department..

Training and Placement Cell works to provide opportunities to students.

A separate Internship cell has been formed to encourage students to work as interns in reputed companies. Paid internships are also provided.

Dean of Student Affairs is in charge of overall development, SIP and extra curricular activities of student. The institution also has a Sports In charge to monitor the Sports Activities, both at intra and inter collegiate level.

Service books of all staff members, and accounts are maintained by the office.

File Description	Documents
Paste link for additional information	https://www.sakec.ac.in/wp-content/uploads/2022/06/ServiceRules-SAKEC.pdf
Link to Organogram of the institution webpage	https://www.sakec.ac.in/institute-organogram/
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	View File
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

Common Welfare scheme 1. Conduction of awareness program Like Yoga session. 2. Availability of councilor to solve psychological problems. 3. Encouragement through reimbursement to scholars for MOOC exams 4. Encouragement through Higher Studies policies for higher qualification improvement. One day off per week is given for staff pursuing PhD. 5. Availability of Digital library facility with good subscriptions. 6. Availability of recreational activities, Sports & Gymkhana. 7. Opportunity to conduct/ attend seminar/workshop /webinars of IITBombay remote centre, IEEE, and AICTE. 8. Conduction of training programs, seminars, workshops, etc. on a regular basis to update skill sets and the core competency

Teaching

1. Implementation of PF Facility as per government norms 2. Implementation of Gratuity for the retiring staff members 3. Group Insurance 4. Book Allowance of 1000/- per year 5. Reimbursement scheme to encourage staff to attend training session, publication of technical paper.

6. Reimbursement for professional membership to encourage the staff for active participation 7. Through Research Promotion Scheme, interested faculty members are given opportunities to work on research projects through various MoUs signed by the institute.

Non-teaching 1. Implementation of PF Facility as per government norms 2. Implementation of Gratuity for the retiring staff members 3. Group Insurance 4. Medical allowance of Rs.3500

Students 1. Facility of insurance 2. Fee reimbursement for toppers of class.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

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

24

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

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

24

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

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

100

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

The Institute effectively uses three systems of Performance appraisal for staff. [A] Staff Appraisal form:

1) **Teacher Appraisal:** Performance appraisal of all the teaching staff is filled and recorded.

The proper procedure is followed for the same. Scrutinization is done from Head of the Department to the Principal.

2) **Appraisal system for non-teaching staff:** Non-teaching staff performance is evaluated every academic year based on coworker attitudes, staff/student relationships, dependability, attendance/job performance, initiative, response to supervision, method of expression, and related accomplishments. The finest nonteaching staff of the year award is awarded to show appreciation for workers and to encourage others to work with enthusiasm. For nonteaching personnel, there is a different form and procedure.

[B] **Career Advancement Schemes:** Staff academic successes are rewarded by the institute through career promotion programmes for completion of further education and professional accomplishments. Teachers are evaluated and promoted to higher grade pay on a regular basis depending on the following criterias: Completion of M.E, PhD STTP and QIP courses Patents/Awards received. Experience in number of years in same designation

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Shah and Anchor Engineering College has a team which conducts the internal audit on a regular basis. The accounts department maintains an appropriate record of all the account statements. Every year college prepares a budget well in advance in which provision is made for all possible expenses and purchases. During budget preparations requirements of various departments, cells are taken into consideration in addition to that of possible hike in salary due to increased DA, Gratuity, and building maintenance. Every department is provided with two lakh rupees which the department utilizes as per budget policy. Institute has appointed an external auditor to conduct regular audit, to verify and certify the entire recurring and non-recurring and the Capital Expenditure of the institute every year.

Auditing of all financial transactions are done by in-charges of various chapters such as ISTE, IETE, IEEE, ACM, CSI. Use of good quality software is made in maintaining all financial records. Regular monitoring of fund flow helps in maintaining the financial health of the college.

So far there have been no major objections from any of the auditors. Minor errors pointed out by the audit team were corrected immediately. Regular monitoring of fund flow helps in maintaining the financial health of the college.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

the year (not covered in Criterion III)**6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)**

26.321

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The SAKEC has a well distinct practice for screening active and competent operation of available financial resources for development of infrastructure and academic processes. Management of college takes an active part in this regard. Strong financial position of the trust helps in developments of laboratories, purchase of hi-tech and required instruments and software's. For every academic year, the budget is prepared well in advance after taking into consideration the requirements of every Department. Each department prepares its own budget based on its requirements such as equipment, software, computers, printers, etc for student and faculty activities, research and development in the department, as well as consumables required for the next academic session. Principal puts up the budget in the Governing Body Meeting. After discussion and necessary corrections or modifications, the Governing Body recommends the budget for approval. The budget is reviewed by the management and approved after necessary changes. For an unplanned purchase or any other activity, the institute makes a provision for advance additional funds. The Principal and the Head of Departments discuss the requirements and decide the priorities while allocating financial resources for various purposes and also ensure optimum use of available financial resources. Periodically, the Governing Body monitors the annual expenditure, scrutinizes the budget and provides feedback related to efficient use of financial resources.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

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

The IQAC is essential in nurturing a culture of continuous improvement by institutionalizing quality assurance practices. The IQAC is involved in setting academic benchmarks, ensuring teaching quality, supporting faculty development, to coordinating accreditation processes. Through regular monitoring, feedback systems, and data-driven decision-making IQAC helped the institution to adapt to changing educational demands, improve student learning outcomes, and maintain a high standard of education and research. This institutionalized approach to quality assurance ultimately contributed to the overall growth and reputation of the institution.

Best practices -1

IQAC includes setting clear guidelines for teaching-learning processes, research activities, and student outcomes. IQAC assisted in periodically reviewing the curriculum to ensure its relevance to industry requirements and technological advancements.

IQAC helped in design and implement a robust framework for academic quality standards, including curriculum development, teaching methodologies, and assessment strategies. Regular self-evaluation and external audits are conducted to ensure quality assurance.

Best practices -2

IQAC created awareness among stakeholders about the importance of quality assurance and quality enhancement activities. IQAC guided in collecting, analyzing, and utilizing data-driven insights for institutional improvement, such as student outcomes, faculty performance, research productivity, and other key metrics. IQAC ensured the adoption of best practices in pedagogy and evaluation methodologies. IQAC played a key role in establishing partnerships

with industries for internships, placements, and collaborative research. This strengthened the academic-industry interface, ensuring that students are industry-ready. It also supported initiatives like industry visits, guest lectures, and the establishment of industry-sponsored labs to enhance practical learning.

File Description	Documents
Paste link for additional information	https://drive.google.com/drive/folders/1VJZS50Hi7K2kPE6tllnmW8f2fqZnjTOt?usp=sharing
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Teaching and Learning Process (TLP)

Institute provides training in soft skill and technical skill through the training and placement division. Innovation and Entrepreneurship Development cell helps the students to come with their innovative ideas which they can convert into a product. Project and poster competition are arranged every year to motivate the students. Smart boards are installed in all the classrooms for effective teaching. Lecture recordings is done for creating repository of learning material. Laboratory manuals are prepared by staff members to reduce writing work related to term work submission. Meritorious students are awarded with appreciation letters and reimbursement of fees.

Feedback Mechanism

Feedback is taken from the students on teaching methods, faculty performance, curriculum relevance, infrastructure, and resources. This feedback is analyzed systematically to identify areas for improvement in both teaching methods and course delivery. To understand the real-world relevance of the curriculum and teaching approaches, the IQAC collected alumni feedback and feedback from employers who hire graduates. This helped to ensure that the teaching-learning process aligns with industry needs and the expectations of future employers. Parent teacher meeting is held once in a semester and parent's feedback is collected analysed and appropriate action is taken.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.sakec.ac.in/wp-content/uploads/2024/11/Annual_Report_2023-24.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

nstitute initiated to promote gender equity by conducting different activities.

NSS SAKEC organized a "Menstrual Hygiene Session", on 9th Feb. 2024 with the aim of Raising Awareness and promoting menstrual health and hygiene among students.

- **CCTV facility:** The institute has CCTV facility in classrooms, laboratories, library, corridors at each floor for monitoring and security purposes. This facility is being used to monitor if students are obeying laws that were implemented in the college.
- **Female security guard-**The institute is encouraging to appoint female security guards. The role is to check ID cards of both Staff and Students daily. She always gives her contribution to protect people and college premises for the safety purpose.
- **Counsellor -** Institute has appointed Counselor for Staff and students to discuss any issues.
- **Girls Common Room-**The institute has established a spacious and comfortable girl's common room. This space has been designed to give female students a place to relax, study, have informal discussions in free time available. Facilities like Recliner chairs, tables, yoga mate, balls are available in this room.
- **Woman's Safety Board -** The Institute has displayed boards for the safety of Women in college premises. We ensure the safety of women is everybody's responsibility.

File Description	Documents
Annual gender sensitization action plan	https://sakec-my.sharepoint.com/:b:/g/personal/atuln563_sakec_onmicrosoft_com/EUCZkrq_XV5FsoXq_Ekad3QB_wWnYtG3P_ElPJTDeCWCXQ?e=rRloj_c
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://sakec-my.sharepoint.com/:b:/g/personal/atuln563_sakec_onmicrosoft_com/EQCQOHvn60_ZHtK7Myi3G1lUBdLxbTlNyYfjEuNsjq-RG0w?e=MGGRhM

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The major solid waste generated on campus primarily consists of paper and plastic. To efficiently manage paper waste, the institute has installed paper shredding machines and promotes the concept of a paperless office across departments. For plastic waste management, the institute collaborates with Bisleri International Pvt. Ltd. through the "Bottles for Change" initiative, which aims to create awareness about the proper disposal and recycling of plastic. Plastic waste collection drive conducted in the campus, for successfully collecting 133 kg of plastic waste.

The institute, located in Mumbai, ensures that all liquid waste is managed by the Brihanmumbai Municipal Corporation (BMC) and sent to sewage treatment plants for proper processing.

To promote effective waste management, the institute emphasizes segregating dry and wet waste, maintaining cleanliness, and recycling. A dry waste collection initiative with Sampurn(e)arth Environment Solutions Pvt. Ltd. educates stakeholders on proper waste disposal methods.

The institute also prioritizes E-Waste management. Laboratory Assistants and technicians inspect and repair damaged electronic instruments, while irreparable ones are listed as scrap by individual departments. To ensure safe disposal, the institute has signed an MoU with M/s Click Computers, which safely disposed of approximately 30 kg of E-Waste from IT equipment this year.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the	A. Any 4 or all of the above

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

1. SAKEC Sambodhi Organized a "Patriotic Prose and Poem competition", for hindi marathi and English, from August 1 2024 to August 10 2024
2. The SAKEC Speaker's Club organized an Intra-collegiate quiz competition on India' Freedom Struggle, on occasion of Gandhi Jayanti on 3rd October 2023.
3. SAKEC Sambodhi organized a "Writing Contest on: Mumbai Monsoons, Guru Purnima and Vijay Diwas" in July 2024
4. SAKEC Sambodhi organized a "Republic Day writing contest" in January 2024 about Unsung Heroes of Independence in English, Hindi, Marathi and Gujarati
5. Department of Electronics & Telecommunication Engineering in Collaboration with MUSE foundation have organized the session on " Climate change" on 14th September 2022 from 10.00 am to 12:00 pm
6. NSS SAKEC organised "Poshan Maah:Tree plantation"on the occasion of National NSS day,in collaboration with the Lions Club of Chembur Icon and Leo Club of Chembur Icon.
7. Student Council SAKEC organized Ganesh Aarti Utsav for the auspicious event of Ganesh Chahurdashi
8. Student Council SAKEC organized a Teachers Day Celebration to commemorate the event of September 5.
9. Student Council Organized a Ranglila Raas on the auspicious event of Navratri

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

From June 2023 to April 2024, numerous impactful initiatives were organized to promote social, environmental, and civic responsibility. The Tree Plantation drives on 06/06/2023 and 09/08/2023 encouraged environmental conservation in alignment with Article 51A(g). The G20 Street Play (09/06/2023 to 15/06/2023) promoted global citizenship and teamwork, while the Digital Poster Making Competition on 14/06/2023 inspired creativity and digital literacy. The Yoga Drive (21/06/2023 to 11/07/2023) highlighted physical and mental well-being, and Online Quiz Competitions (26/06/2023 & 31/10/2023) enhanced knowledge and civic awareness. The Animal/Bird Feeding initiative (07/07/2023 to 06/08/2023) instilled compassion for living beings.

The Independence Day Celebration on 15/08/2023 fostered patriotism and unity, while Amrut Kalash (25/09/2023 to 03/10/2023) emphasized cultural heritage. Chembur Railway Station Cleaning on 01/10/2023 focused on cleanliness, and the Fit India Freedom Run 4.0 on 12/10/2023 promoted health and community spirit. The Mumbai Sustainability Summit on 15/01/2024 emphasized sustainability, while the SAKEC Marathon, Blood Donation Camp, and Electoral Skit promoted fitness, compassion, and democratic values. To promote interdisciplinary and transdisciplinary research on Indian Knowledge Systems (IKS), SAKEC works to update and disseminate IKS knowledge for societal applications. The Green Club initiative actively supports sustainability through eco-friendly practices, conservation awareness, and participation in activities for a greener planet.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://drive.google.com/drive/folders/1lTBXtsiT6ZArtgKC4XfRPzUFMltlQMAz?usp=sharing
Any other relevant information	https://drive.google.com/file/d/14xkpXb_FIYT_kQJDPGBGzCj92I-08g679/view?usp=drive_link

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional

A. All of the above

ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Institution celebrates national and international commemorative days, events and festivals. National festivals play an important role in planting the seed of Nationalism and Patriotism among people of India.

World Blood Donor Day: World Blood Donor Day, celebrated on 14th June 2024 SAKEC on Worlds Blood Donor Day.

1. International Yoga Day: is celebrated on 21st June every year. NSS SAKEC organized a Yoga Drive from 21st June 2023 to 11th July 2023 to spread awareness about numerous health benefits, including stress, improving flexibility and balance.
1. Kargil Vijay Diwas is celebrated every year on July 26th to honour India's victory over Pakistan in the kargil war of 1999. On the occasion of Kargil Diwas NSS SAKEC organised an online quiz competition.
1. Independence Day is celebrated every year on 15th of August, parades and flag hoisting is organized and is celebrated to mark freedom of India from British rule
1. National Unity Day: Every year on October 31st India celebrates the birth anniversary of Sardar Vallabhbhai Patel as National Unity Day, also known as Rashtriya Ekta Diwas.

1. Republic Day: The institution celebrates Republic day on 26th January every year.
1. Voters Day is celebrated on 25th January wherein the students are given awareness on their duties and rights as a loyal citizen.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

1. Practice 1 Establishment of Internship cell.

2. Objectives

1. Enhanced Employability:

2. Career Exploration:

3. Smooth Transition to the Workplace

4. The Context The initiative bridges the gap between academic learning and workplace readiness.

5. The Practice

The Internship Cell was established to bridge the gap between academic and industry

6. Evidence of Success Increased student placements, enhanced industry collaborations.

7. Problems Encountered and Resources Required Limited industry connections and the need for dedicated personnel to effectively

manage and expand its activities.

8. Notes: To replicate this practice, institutions can establish strong alumni networks, industry collaborations, and structured training modules for student development

1. Practice 2:

CTLD cell

2. Objectives of the CTLD Cell:

Promote Teaching Excellence

Enhance Student LearningSupport Faculty Development

Establish Collaborations

3. The Context

Faculty development .

4. The Practice

This practice focuses on faculty empowerment through specialized training programs.

5. Evidence of Success

The success of this practice is evident in improved teaching methods, positive student feedback and higher faculty engagement in research and professional development activities.

6. Problems Encountered and Resources Required

Management of faculty time .

7. Notes

Institutions can replicate this model to ensure that faculty remain at the forefront of teaching innovations.

File Description	Documents
Best practices in the Institutional website	https://sakec-my.sharepoint.com/:b:/g/personal/atuln563_sakec_onmicrosoft_com/EV-dbjfvE99Hulv1hKjFk7YB-yLb2gSE8MV6saSVV0_IIg?e=K0EoUG
Any other relevant information	https://sakec-my.sharepoint.com/:b:/g/personal/atuln563_sakec_onmicrosoft_com/EfnsSXVFFVxNmsVdyoI3kb0BkA03pbZHhZ-YzRiFyps_7w?e=FjS71g

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The SAKEC Cyber Security (CYSE) department has made remarkable strides in research and innovation, showcasing projects like Linux Admin, HoneyTrack, and Dark Web tools at the prestigious Global CyberPeace Summit supporting G20 India. These initiatives address critical cybersecurity challenges. The SAKEC CyberPeace Center of Excellence hosted a distinguished delegation, including representatives from the Prime Minister's Office, Sun Group Enterprises, and the Israel National Cyber Directorate (INCD). Prominent dignitaries such as Lt. Gen. (Retd) Dr. Rajesh Pant, Mr. Shiv Khemka, Major General Naresh Badhani, Maj Vineet Kumar, K K Thakur, and Yigal Unna visited the department, where advanced facilities, contributions, and training programs, including sessions for Indian Navy and Army officers, were showcased. The department's CyHEX Start-up team secured victory at the Cython 2024 Hackathon, organized by FITT-IIT Delhi, earning ₹3 Lakhs. Students also excelled in the Smart India Hackathon 2023, winning ₹1 Lakh, and were Country/Region Winners at the Intel AI Global Impact Festival 2023, receiving \$1,000 and an Intel certificate. Additionally, they claimed the 1st Runner-Up position at the 'Cffeine Trip' Hackathon, earning ₹3 Lakhs. An industrial visit to AIIPLTECH PVT. LTD. led to a sponsored lab for advanced forensics training. Moreover, a ₹15 Lakh grant was secured to develop a deepfake detection tool, was deployed .

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

7.3.2 - Plan of action for the next academic year

1.Extension of existing infrastructure-Construction of new hi-tech building is going on in full swing and will be completed soon.

2.Exploration laboratory,AICTE sponsored Idea laboratory will be set up with all modern equipments such as 3D printing machine,PCB Milling machine, Laser cutting machine etc.

3.Institute has received permission to start PhD in Computer Engineering with 10 intake ,admission of which will beginsoon.

Bachelor in vocational courses and B.Tech for working professional has been started. New laboratories will be set up for these and recruitment of staff members will also be done.

4. Computer Engineering and Information technology will apply for reaccrediatation for NBA.

NBA accreditation will be done for all eligible UG and PG courses.

5.ISO external audit will be done for Institute.

6.NEP related sessions will be conducted for staff and students. Staff members are encouraged to attend more FDP,STTP courses within as well as outside the institute.

7.As autonomy has been conferred to the Institute, syllabus and all other preparations have been done. Review of autonomy implementation will be done after completing one year.

8.Industrial visits and NSS camps areplanned for the students.

9.Number of students being placed and internships will be increased.

10.In order to promote research culture ,Dean R&D has been appointed. Number of quality research publications will be increased.

11.It is planned to get NIRF ranking.

