



## YEARLY STATUS REPORT - 2022-2023

### Part A

#### Data of the Institution

##### 1.Name of the Institution

JSS ACADEMY OF TECHNICAL  
EDUCATION, BENGALURU

- Name of the Head of the institution **DR. BHIMASEN SORAGAON**
- Designation **PRINCIPAL**
- Does the institution function from its own campus? **Yes**
- Phone no./Alternate phone no. **08028612565**
- Mobile no **9448234414**
- Registered e-mail **principal@jssateb.ac.in**
- Alternate e-mail **iqac@jssateb.ac.in**
- Address **JSS Academy of Technical  
Education JSSATE-B Campus,  
Dr.Vishnuvardhan Road,  
Uttarahalli - Kengeri Main Road,  
Srinivaspura-Post - Karnataka,  
India**
- City/Town **Bengaluru**
- State/UT **Karnataka**
- Pin Code **560060**

##### 2.Institutional status

- Affiliated /Constituent **Affiliated**
- Type of Institution **Co-education**

- Location **Urban**
- Financial Status **Self-financing**
- Name of the Affiliating University **Visvesvaraya Technological University**
- Name of the IQAC Coordinator **Dr. Rekha P M**
- Phone No. **9845636529**
- Alternate phone No. **9740733996**
- Mobile **9845636529**
- IQAC e-mail address **iqac@jssateb.ac.in**
- Alternate Email address **rekhapm@jssateb.ac.in**

**3. Website address (Web link of the AQAR (Previous Academic Year))**

<https://jssateb.ac.in/assets/NAAC-SSR.pdf>

**4. Whether Academic Calendar prepared during the year?**

**Yes**

- if yes, whether it is uploaded in the Institutional website Web link:

[yes](#)

**5. Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A+</b>	<b>3.32</b>	<b>2022</b>	<b>22/11/2022</b>	<b>21/11/2027</b>

**6. Date of Establishment of IQAC**

**18/12/2020**

**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
Manohar B/Asst. Professor, Department of Electronics and communication	Science & Technology(STI)	KSCST	2023, 12 months	Rs 4,74,000/-
Dr. Anil BC	Grant for Organizing Conference (GOC).	AICTE	2022, 6 months	Rs. 4,00,000/-

**8. Whether composition of IQAC as per latest NAAC guidelines** **Yes**

- Upload latest notification of formation of IQAC [View File](#)

**9. No. of IQAC meetings held during the year** **5**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**
- 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**

- If yes, mention the amount

**11. Significant contributions made by IQAC during the current year (maximum five bullets)**

National Science Fair

A one-day workshop on capacity building in R & D

Open day Project Exhibition 2023

Green Campus Project

women's day week

**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
Conduction of International Conference	IEEE International conference was organized
Student centric carrer guidance and personal mentoring	Improvement in placement and paid Internships
Improvement in Academic Performance and reforms	Performance appraisal using Academic Performance Index
Enhancement of Industry Institute interaction	MoUs and industry collaboration

**13. Whether the AQAR was placed before statutory body?** Yes

- Name of the statutory body

Name	Date of meeting(s)
Peer commitee meeting	11/12/2023

**14. Whether institutional data submitted to AISHE**

## Part A

### Data of the Institution

<b>1.Name of the Institution</b>	JSS ACADEMY OF TECHNICAL EDUCATION, BENGALURU
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• IQAC e-mail address	iqac@jssateb.ac.in				
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<b>4.Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="#">yes</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.32	2022	22/11/2022	21/11/2027
<b>6.Date of Establishment of IQAC</b>			18/12/2020		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					

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<ul style="list-style-type: none"> <li>Upload latest notification of formation of IQAC</li> </ul>		<a href="#">View File</a>		
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<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>		No File Uploaded		
<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>		<b>No</b>		
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>				
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>				
National Science Fair				
A one-day workshop on capacity building in R & D				

## Open day Project Exhibition 2023

Green Campus Project

women's day week

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**13. Whether the AQAR was placed before statutory body?**

Yes

- Name of the statutory body

Name	Date of meeting(s)
Peer commitee meeting	11/12/2023

**14. Whether institutional data submitted to AISHE**

Year	Date of Submission
2023	02/03/2023

**15. Multidisciplinary / interdisciplinary**

JSS Academy of Technical Education, Bengaluru is committed to embodying the vision set forth by the National Education Policy (NEP), aiming to furnish high-quality education that nurtures individuals into global citizens and competent human resources. Embracing the core tenets of the NEP, the institution has introduced innovative teaching methods and add-on diverse curriculum to equip learners with the skills necessary for the logical decision-making, fostering innovation, critical thinking,



and creativity. As an affiliated institute of Visvesvaraya Technological University, the institute has revamped its academic programs to integrate multidisciplinary and interdisciplinary courses as electives, offering students a broader spectrum of learning opportunities. To ensure holistic academic development, an interdisciplinary curriculum has been proposed, affording students the freedom to select courses of their interest from the institution's diverse program offerings. *The institute follows a Choice Based Credit System (CBCS) for all courses, designed to provide students with maximum flexibility in choosing elective courses that align with their academic preferences and aspirations.*

The affiliating university has provided an option for the students to choose online courses from the domain other than they study for acquiring a degree. This has enabled students to get a minor degree with a major one.

#### **16.Academic bank of credits (ABC):**

The Institution is affiliated to Visvesvaraya Technological University. The curriculum prescribed by the university is Choice Based Credit System and is being followed in the institute. Each student has to complete courses comprising from core as well as from other domains in each semester. On average, each semester, a student has to complete 40 credits, and 160 credits in total in four years to be declared him or her as successfully completed the course. The university and the institute maintain the details of the credits earned by each student in the form of digital credit cards.

#### **17.Skill development:**

Every semester, each department of the institution offer skill development or ability enhancement courses with different curricula for all the students. The courses entail hard and soft skills, ability enhancement, and universal human values that enrich and build confidence among the students to face the competitive exams, on and off - campus interviews, cocurricular and extracurricular events. The institution has the MoUs with renowned institutes such as IIT Guwahati and industrial set-ups to for the enrichment of the curriculum, electives, add-on courses, internships, project works, research & development activities, etc. The Institute organizes various competitions like model-making, exhibitions, workshops, project open days, etc., on a regular basis to encourage vocational education. Following are a few of the additional laboratories available to

enhance the skills:

- a. Synthesis of nanomaterials
- b. Remote Sensing and Geographical Information Systems
- c. Applications of sensors
- d. Applications of IoT in energy production and consumption (Smart Grid Lab)
- e. Center for Skill Development and Innovation Lab
- f. Design and development of drones
- g. Design and development of robotic arms
- h. Engine and transmission system functioning

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

The curriculum of the affiliating university provides an opportunity to teach the local language to the students. The institute encourages its faculty to explain the complex contents of the curriculum in the state local language since about 90% of the students belong to the state. However, for the students speaking native Hindi, a few faculty members teach in Hindi quite sometimes. At present, only offline methods are being followed and institute has plans to launch online courses as well.

To create an awareness among the students on the Indian arts, culture, history and other ancient knowledge areas, the institute has initiated various activities through the NSS unit. The students made to engage with the people of the adopted villages to know the local language, art, culture and traditions. Moreover, the institution celebrates all the state and national festivals where all the teachers and students participate in the cultural events. The students of other states are given opportunities to perform their cultural activities in their own language and traditional dresses in various events organized by the college.

At present, the institute is not offering any degree courses in which students are taught in Indian languages.

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

The institution, being affiliated to Visvesvaraya Technological University, adheres to directed guidelines, employing various teaching methodologies such as lectures, seminars, tutorials, workshops, practical sessions, and project-based learning. However, the university has imbibed the OBE concepts in its curriculum and hence the programs are meticulously designed to address both the regional and global educational needs.

The course outcomes are precisely outlined within the curriculum for each with suitable learning level proposed by Benjamin Bloom. The faculty of each department exercise enough care to formulate the COs and their mapping with POs and PSOs with due justifications. The curriculum delivery by the faculty focuses on developing cognitive abilities among the students encompassing Remembering, Understanding, Applying, Analyzing, Evaluating, and Creating. Beyond domain-specific expertise, the contents are designed and delivered addressing the social responsibility, ethical awareness, and entrepreneurial skills, encouraging students to actively contribute to the economic, environmental, and social welfare of the nation.

The assessment of the learning outcomes is taken care to ensure that the student has learned in true sense. The continuous internal evaluation of the students in core theory and laboratory courses is accomplished through Tests and SEEs. The learning outcomes of the additional activities are assessed through rubrics.

**20.Distance education/online education:**

At present, the institution is offering education in face-to-face offline mode. In the days to come, possibly with effect from the academic year 2024-25, the institute will offer courses in distance mode using online facilities and resources.

The Institute in its current status and affiliation does not conduct distance education and / or online education activities.

**Extended Profile****1.Programme**

1.1

614

Number of courses offered by the institution across all programs

during the year

File Description	Documents
Data Template	<a href="#">View File</a>

## 2.Student

2.1 3146

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.2 233

Number of seats earmarked for reserved category as per GOI/  
State Govt. rule during the year

File Description	Documents
Data Template	<a href="#">View File</a>

2.3 899

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	<a href="#">View File</a>

## 3.Academic

3.1 172

Number of full time teachers during the year

File Description	Documents
Data Template	<a href="#">View File</a>

3.2 188

Number of sanctioned posts during the year

## Extended Profile

### 1. Programme

1.1	<b>614</b>
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 2. Student

2.1	<b>3146</b>
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.2	<b>233</b>
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

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Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

### 3. Academic

3.1	<b>172</b>
Number of full time teachers during the year	

File Description	Documents
Data Template	<a href="#">View File</a>

3.2	188
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	61
Total number of Classrooms and Seminar halls	
4.2	1006.32
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	834
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

The Institution is affiliated to Visweswaraya Technological University (VTU), Belagavi, Karnataka. All the rules, regulations and guidelines followed by the institution are governed by the affiliating University. National Education Policy (NEP) 2020 is implemented effectively in developing the university curriculum. In addition to the traditional chalk-and-talk method, the institution has adopted innovative teaching methods such as flip classes, assignments, mini projects, workshops, seminars, industrial visits, collaborative learning, simulation, technical quizzes, e-learning, etc. to ensure an effective teaching-learning process. G-suite and Google classrooms are effectively used for teaching, conducting internals, solving assignments, posting teaching material, etc. An academic monitoring committee at the Institute level is formed to monitor the academic process for the conduction of theory and practical's according to the scheduled timetable. All the academic documents such as lesson plans, Course outcomes,

and their mapping with program outcomes and Program Specific Outcomes, Content Beyond Syllabus, Assignments, etc. are verified by the academic monitoring committee. To maintain uniformity and quality, the internal assessment question papers and scheme of evaluation are scrutinized by an expert team constituted at the Institute level well in advance.

As a part of the assessment process, quizzes, assignments, projects, surveys, case studies etc. are conducted. The analysis after each internal assessment is done and based on the performance, the students are categorized as slow learners and advanced learners. Additional tutorial classes are conducted for slow learners to improve their academics and advanced learners are counselled and encouraged to participate in co-curricular activities.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://jssateb.ac.in/assets/JSSATEB_Calendar_Of_Events_2023_24_Odd_Semester_BE%20III%20Sem%20(Updated).pdf">https://jssateb.ac.in/assets/JSSATEB_Calendar_Of_Events_2023_24_Odd_Semester_BE%20III%20Sem%20(Updated).pdf</a>

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

The institute level calendar of events, timetable and lesson plans in each course are prepared at least 2-3 days prior to the commencement of the classes and will be made available to the students. The lesson plans are prepared by the faculty incorporating the OBE concepts. Contents are delivered as per the university curriculum and beyond curriculum to address few of the additional POs which are not addressed by the regular curriculum. All Faculty members ensures the regularity and punctuality in engaging their classes. Besides this, the university has clear guidelines about the conduction of Continuous Internal Evaluation (CIE) in the respective courses. A committee is formed at the Institute level to scrutinize the CIE question papers, scheme of solutions and standard of the paper. The committee thoroughly checks for the syllabus coverage, marks allocation, duration of the test, OBE implementation, etc. The Institute strictly follows the university guidelines for the conduction of CIE.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://jssateb.ac.in/assets/JSSATEB_Calendar_Of_Events_2023_24_Odd_Semester_BE%20VII%20Sem%20(1).pdf">https://jssateb.ac.in/assets/JSSATEB_Calendar_Of_Events_2023_24_Odd_Semester_BE%20VII%20Sem%20(1).pdf</a>

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

**A. All of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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**

13

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>



**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)**

34

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

382

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

**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 affiliating University and the Institute effectively integrates the curriculum with courses on Constitution of India, Professional Ethics and Human Rights, Management and Entrepreneurship, Construction Management, and Entrepreneurship, Workplace Ethics and Value Systems, Business Law and Policy, IHRM, Entrepreneurship, AICTE Activity, Social connect and Responsibility, Engineering Chemistry, Environmental studies, Air Pollution and Control, Water Supply and Treatment Engineering, Solid Waste Management, Water Resource Management, Municipal, and Industrial Waste Water Engineering, Environmental Engineering Lab,

Addressing Human Values and Professional Ethics: The Institute's NSS unit and socio-welfare unit conduct events to serve the

society. The Institute has adopted a village Agara, and several programs are conducted to educate students on the upgradation of skills, Swachh Bharat.

**Addressing Gender-related:** Males and females are given equal preference in all aspects such as Admission, Co-curricular, extracurricular, Training, and Placement. The governing council of the institute has a female representative. The institute has constituted a women's cell which addresses complaints and celebrates Women's Day. Free counselling services are available to students and faculty through a Counselling Cell. JSSATEB organizes gender sensitization events such as seminars, conferences, guest lectures, exhibitions, street plays and literary activities.

**Addressing Environment and Sustainability:** The institution has installed solar panels, tube lights are replaced with LEDs to save energy, water recycling plant on the campus for environmental protection. On the occasion of Environment Day faculty and students have planted tree/sampling/medicinal plant in the campus.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

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

28

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
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	<a href="#">View File</a>

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

1068

File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

## 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	<a href="https://jssateb.ac.in/pview/feedback">https://jssateb.ac.in/pview/feedback</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
URL for feedback report	<a href="https://jssateb.ac.in/pview/feedback">https://jssateb.ac.in/pview/feedback</a>

## 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

869

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

#### 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

369

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

### 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

Students from diverse backgrounds are admitted to the institution. Students' learning levels are assessed regularly through observations and interactions with course faculty and

mentors. The students learning levels are assessed formally through internal evaluation tests and informally during the classroom interactions. Based on the performance in Continuous Internal Evaluation and Semester End Examinations initiatives are taken for slow and advanced learners by departments for a better learning progression and to achieve academic success.

Identify the students' learning levels: Faculty will have regular interactions with students and identify the strength and weakness by considering the academic background, aptitude, pace of learning, personality, motivation, interests and feedback from course teacher.

Departments analyse the performance of each student based on IA marks and previous examinations for identifying slow and advanced learners. Course Faculty conducts remedial classes, mock tests, practice tests, and solve previous exam papers for slow learners. Advanced learners are taken special care and encourages to participate programs on co-curricular, extracurricular events both at National and International levels and also prepare them for higher studies. They are motivated to research work by encouraging to publish research papers, participation in conferences and professional society events.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
3146	172

File Description	Documents
Any additional information	<a href="#">View File</a>

## 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

JSSATEB make sincere efforts in making the learning activity to students more interactive by adopting the following methods:

- Collaborative learning: Students are encouraged to participate in project exhibitions, Hackathon, technical fest, and symposium to develop competitive and team spirit.
- Experiential learning: All the departments follow Laboratory Learning by including additional experiments apart from the prescribed syllabus to strengthen experimental skills. Industrial visits are organized for the students to expose them to real-time industrial processes.
- Active learning: Through professional society clubs under CSI, IEEE, ISTE and SAE chapters students participate, organize technical events.
- Self-Learning: The institute has well-established Library with latest books, journals, e-books and encouraged to take up MOOC through NPTEL, UdeMy, Coursera, etc.
- Open Educational Resources: Open-source tools, virtual lab and videos are used as additional resources
- Continuous Assessment Process: Learning methods are assessed through time-bound assignments, presentations, seminars, mini projects, class-tests, quizzes.
- Final year Projects are monitored with well-defined rubrics to ensure quality, and encouraged to publish their project work in National/International conferences/Journals.
- Internships: Students are encouraged to take up internships from industry to get an insight on Industry practices
- Project Demonstration: In Technical fests and open day exhibition students demonstrate the innovative ideas and working models.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

The Institute has classrooms with multimedia teaching aids like

LCD projectors, and Internet-enabled computer systems. The faculty make use of the latest ICT infrastructure for the teaching-learning process. Faculty prepare PowerPoint presentations and other teaching materials to deliver the lectures to create the best learning environment for the students. Google Classroom is used by the faculty members for sharing learning materials. Group assignments and online quiz are conducted using online tools.

Students can avail of various e-tools, web resources, video lectures for better learning experience. The faculty members effectively utilize audio-visual aids to demonstrate the concepts to the students using the resources. Students are provided access to various online journals such as IEEE, Springer and training resources which help them for implementation of projects and publish papers. Virtual labs from NIT is used for performing experiments through simulations. Anti-plagiarism software Drilbit is made available for faculty to empower students to do their best, original work.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

### 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

165

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

172

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

**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**

86

File Description	Documents
Any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

**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**

1906

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

**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 institute formulates its academic calendar well in advance before the commencement of the semester in line with a University Academic Calendar. It includes specific dates for the conduction of Internal Assessments (IAs) for theory. The internal assessment process is communicated to the students well in advance. The institute has prepared standard formats for preparing the question papers. JSSATEB has centralised IA Question paper scrutiny committee for reviewing the relevance and appropriateness. The syllabus for the IA is communicated to the students by the respective course teachers well in advance. Question papers are given to the test coordinator of the department and they will distribute the question paper to room invigilators in a centralized manner. Squad committees conduct surprise visits during internal assessment tests to curb the malpractice and misconduct. The final IA marks of the students are entered into the university portal as per the notifications. The final CIE marks uploaded to the portal will be printed and students need to verify and duly sign. The marks so entered are verified by HOD and same is to be approved by the HOD and Principal.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

The internal assessment process provides information on the principles and methods by which JSSATEB evaluates its students to determine the attainment level of learning outcomes. It also ensures uniformity in evaluation across all programs offered by the institute. Three CIEs are conducted with the first CIE after 5 weeks of commencing the classes in a semester. The second and third CIE are conducted with a gap of 4 weeks between them. For the laboratory courses, one CIE is recommended by the university. The institute level CIE team will release a notification, at least a week before of the scheduled CIE date, consisting of the timetable and examination hall information. The course teachers should complete the evaluation of the blue books within one week of the completion of the CIE tests and the

marks are communicated to the students and parents. The Institute has a grievance redressal cell wherein all issues related to evaluation are discussed and students can submit their queries online or in-person. In case the student is not satisfied regarding evaluation or award of marks he/she can appeal the HOD. HOD takes the appropriate action and decision against grievances.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

## 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.

Outcome Based Education involves framing cohesive Program Education Objectives (PEOs), Program Specific Outcomes (PSO), Program Outcomes (POs), Course Outcomes (COs), and ensuring assessment and attainment of these outcomes. POs and PSOs are synchronized with the Program Educational Objectives (PEOs), the Vision and Mission of the respective Department and the Institute. POs, PEOs and PSOs are displayed at prominent places including classrooms and laboratories in all the Departments. The course outcomes are prepared by the respective faculty member using Bloom Taxonomy to keep all learning outcomes measurable, clear and concise. COs are mapped to PO and PSO to facilitate the faculty to achieve teaching objectives and finally observe the learning outcomes.

The HOD's along with the faculty members create awareness to students and stress the importance of achieving the goals and outcomes. In all the interactions with the students and stakeholders awareness on POs, PSOs and COs are continuously promoted and is also made available in the respective programs in the Institute website.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

The course teacher prepares a consolidated assessment of COs attained through CIE & SEE.

The various tools used for CO attainment are:

- CIE
- Practical Records
- Internship
- Project Reviews
- Reports
- Course Exit Survey
- Semester End Examinations

Overall CO Attainment level = 90 percent [ 60 percent CO attainment through IA + 40 percent through SEE] + 10 percent of Course End Survey.

Target values of CIE is considered by following parameters and weightage

- Student Quality - 50%
- Faculty Experience - 10%
- No. of Time Subject handled -10%
- Subject Quality - 30%

Target value of SEE is average marks of class in SEE

Attainment of PO-PSOs:

- The mapping process of CO-PO, CO-PSO is carried out and tabulated in the form of a relational matrix with High-3, Medium-2, Low-1 correlation value.
- The PO-PSO attainment process are carried out using direct assessment and indirect assessment tools.
- Direct attainment: Through overall CO attainment.
- Indirect attainment: Program Exit Survey and Alumni survey are included for POS and PSOs attainment calculations.
- Overall PO-PSOs attainment = 80 percent of Direct PO-PSOs attainment + 20 percent of Indirect PO-PSOs attainment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil

### 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

860

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://jssateb.ac.in/NAAC-2023/Final-Year-Pass-Percentage.pdf">https://jssateb.ac.in/NAAC-2023/Final-Year-Pass-Percentage.pdf</a>

## 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://jssateb.ac.in/assets/SSS-2022-23.pdf>

## 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)**

**5.64 Lakhs**

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

**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**

**20**

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**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**

**2**

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	Nil

### 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 has identified a senior faculty member, Dr. Mahesh B, as Dean of Research to coordinate and promote faculty/students to be involved in innovative ideas and knowledge transfer through Institute and department forum activities.

Initiatives for creation and transfer of knowledge among faculty and students:

The Institute has organized a two-day programme on sharpening research for deans, HODs, and faculty members with PhD degrees.

A voluntary "researcher's forum" consisting of prominent researchers of the Institute share their research experiences among others.

Department of Civil Engineering conducted workshop on "Geospatial Analytics" in association with CIDA.

Department of ISE organized capacity-building workshop on "Research and Documentation".

Department of ISE organized IEEE International Conference on "Cognitive Computing and Information Processing" and National Conference on Advancements in Information Technology, NCAIT-2023.

Department of chemistry organised "National Science Fair-2023" and "Capacity Building in Research and Development".

Department of ECE organized hackathon on "AI applications" with the NASA International space app challenge and Innovation Marathon.

Department of EIE organized the "ISTE state-level faculty convention".

Department of Mechanical department organized "IPR awareness program" and "ROBO exhibition".

Department of Robotics and Automation organized workshop on "Robotics Operating Systems".

JSS ATE STEP organized "six Technology Entrepreneurship Development Programs".

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://jssateb.ac.in/NAAC-2023/3.2.1_Innovation_Ecosystem.pdf">https://jssateb.ac.in/NAAC-2023/3.2.1_Innovation_Ecosystem.pdf</a>

### 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

55

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 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

2

File Description	Documents
URL to the research page on HEI website	<a href="https://jssateb.ac.in/assets/University-Recognized-Research-Guides.pdf">https://jssateb.ac.in/assets/University-Recognized-Research-Guides.pdf</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 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

133

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

### 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

61

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

## 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

The Institute encourages students to participate in various



extension activities to promote College-Neighborhood-Community network.

The objective of NSS unit is to make youngsters sensitive to their surroundings and practical understanding of concepts of human values, also adopted village Agara, Kengeri Hobli, Bengaluru. Our students wholeheartedly participate and demonstrated their social awareness skills and helped people in need.

Following are the activities carried by our students but not limited to:

Environmental Awareness Rally

Warm Cloth Donation Drive

Distribution of Govt cards to the beneficiaries of Agara Village

Intercollegiate poster-making competition for 2nd PUC Science, Diploma and degree students

Blood Donation Camp

Drug Awareness Walkathon

Talk on the topic "Save Soil"

Har Ghar Tiranga event

Azadi Ka Amrit Mahotsav Competitions

Constitution Day or 'Samvidhan Diwas'

Oath taking Ceremony

NSS Day celebration

Essay writing and drawing competitions on "Communal Harmony and National Integration"

National Youth Week

voter registration camp

A motivational talk was arranged by the NSS Unit on the topic

"Successful Life through Elevated Minds" by a resource person, Bhamha Kumari Mega Deep from Bramha Kumari Samaja.

Participated in National Integration camp organized by KLE Deemed University in collaboration with the state NSS cell, Government of Karnataka.

Awareness program on the life of Swamy Vivekanandha

File Description	Documents
Paste link for additional information	<a href="https://jssateb.ac.in/assets/JSSATEB_NSS%20Annual%20report%202022-23.pdf">https://jssateb.ac.in/assets/JSSATEB_NSS%20Annual%20report%202022-23.pdf</a>
Upload any additional information	<a href="#">View File</a>

**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**

16

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

**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**

36

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

### 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

4685

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 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

740

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

#### 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

23

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

## 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.

According to the guidelines and standards of VTU, the Institute has policies in place to construct and update infrastructure and physical facilities every year for the teaching-learning process. In the South-Western section of Bengaluru City, the Institute is situated on 21.17 acres of land surrounded by lush green plantations. The Institute's three academic blocks comprise 35,572 square meters, which include classrooms, a seminar hall, a drawing hall, laboratories, workshops, and staff rooms. For girls, girls common room facilities are available. With a centralized Wi-Fi and Internet infrastructure, the entire Campus is networked. The Institution makes sure the necessary physical infrastructure is available. The Institute has a well-thought-out plan for building the infrastructure. After reviewing the course requirements, the computer-to-student ratio, the budgetary restrictions, and the operational condition of the existing equipment, a need assessment for replacement, upgrade, or addition of the existing infrastructure is carried out at the beginning of the academic year based on suggestions from the department heads, lab technicians, and system administrators. The timetable coordinator plans for all requirements for classrooms and laboratories.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://jssateb.ac.in/pview/infrastructure">https://jssateb.ac.in/pview/infrastructure</a>

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

The Institute has built the necessary infrastructure for indoor and outdoor games. This will help the students develop holistically. The Institute includes four seminar halls for organizing extracurricular, co-curricular, and cultural events every year at the Institute and Department levels. A wide range of games are supported by large playing fields with well-maintained Day and Night facilities for conducting matches at designated areas for indoor and outdoor sports. The Institute contains a gym and space designated for yoga. The Institute teams have established leads in several intra- and inter-institutional, collegiate, and national-level events. The students have participated in intercollegiate (University) competitions. The sports department actively plans interdepartmental competitions and sports events on Annual Sports Day. It is proud to have organized intercollegiate and VTU sports events according to the VTU Sports calendar. The Department also plans sports activities for faculty at the college and intercollegiate levels. The Department has held major sports events like the Bengaluru South Zone Cricket Tournament and numerous more intercollegiate and interzone competitions. Our Institute has one of the best turf fields in Karnataka, which is recognized by the Karnataka State Cricket Association (KSCA) in Bangalore. Under 14, 16, and 19, Zonal Matches were held with assistance from the Department and KSCA.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://jssateb.ac.in/pview/sports">https://jssateb.ac.in/pview/sports</a>

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

61

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://jssateb.ac.in/pview/infrastructure">https://jssateb.ac.in/pview/infrastructure</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 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)

43.14

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

Since 2015, the Library has utilized LIBSOFT's ILMS software (version 12.0) for partial automation in the areas of acquisition management, catalog management, barcode management, search functionality, online access, inventory management, subscription management, online public access catalog (OPAC), and project reports collections. Books are provided to users by scanning the barcode, which is done for all library materials. LIBSOFT is extremely adaptable and frequently used to generate all the reports needed for daily requirements. The Library is spread out across two floors and has a carpet area of 2100 square meters, as well as a separate section for periodicals, a

reference section, an audio/visual room, etc. Additionally, the students have access to a computer-equipped digital library to access internet materials. The library boasts an extensive array of books curated to meet both present and future information needs of its users comprehensively, primarily on areas relevant to Engineering, Management, and allied fields. From 9.00 AM to 9.00 PM, students have access to the library facilities. Through Wi-Fi and LAN, users can access e-journals and MOOC courses from any location on the Campus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://jssateb.ac.in/pview/LI_center">https://jssateb.ac.in/pview/LI_center</a>

**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	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**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)**

34.01

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

#### 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

22

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

##### 4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

All of the Institution's stakeholders are provided with modern IT facilities as per ICT Policy. IT facilities are updated regularly to meet the requirements of the teaching-learning process at the institution. 12-core optic fiber networking cable is used for providing broadband internet services. It is linked together as a backbone network to offer high-speed data connectivity throughout the Campus's Blocks. There are 100 indoor and ten outdoor Wi-Fi access points spread across the academic blocks of the Campus to connect various devices to the Internet wirelessly. The Campus's network bandwidth is 700 Mbps, allowing for wired and wireless connectivity for staff and students via several access points. IP cameras have been deployed all over the Campus for safety and surveillance purposes. These cameras are used to monitor campus activity and maintain security continuously. A network video recorder is implemented for handling the recording, video, and alarm management. The Institution has well-trained technical support staff to handle needs such as installation, upgrade, and maintenance of the computer systems and other IT necessities, ensuring that IT resources continue to operate without interruption.



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.3.2 - Number of Computers

751

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	<a href="#">View File</a>

#### 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	<a href="#">View File</a>

#### 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)

929.79

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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.

The Institution is using a systematic approach to use and maintain its academic, physical, and support facilities. Lifts, Generators, Air Conditioners, UPS systems, RO water systems, housekeeping services, security services, gardening and landscaping services, transportation services, sewage treatment plant, and other amenities are maintained through AMC. The maintenance Engineer will submit a budget request to the Principal at the beginning of each financial year, asking them to allocate the necessary funds based on past performance and actual costs. The Principal will allot the money following the request to cover the Department's expenses. The maintenance department hires technicians to take care of some other physical amenities, including generators, air conditioning, plumbing, and carpentry. The maintenance department is also in charge of the cafeteria services, stationery stores, ATMs, fire extinguishers, solar energy extensions, etc. A maintenance Engineer oversees general supervision and is in order of the maintenance section. With the assistance of technical employees and assistants, the office superintendent oversees and coordinates a variety of tasks. The technical staff carries out tasks and oversees the work completed by various suppliers by conducting routine inspections and assuring the quality of work at all locations with the assistance of technical assistants.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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

1354

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
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)	<a href="#">View File</a>

### 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

56

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

### 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	<a href="https://jssateb.ac.in/pview/training">https://jssateb.ac.in/pview/training</a>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

1048

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

1048

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**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	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 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

405

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### 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

35

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 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

32

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

### 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.**

12

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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 )

Institute with an objective of inculcating leadership skills, fostering a sense of community, and ensuring that their voices are heard in shaping the institution's policies and activities. Institute has an active Student Council with a strong representation and they are involved in administrative, co-curricular, and extracurricular activities by including them as members of the committees. They actively participate in committee meetings. Dean Student's welfare monitors the functioning and effectiveness of the process. Student volunteers of Institute started YODHA (The Warrior Within In) in the year 2013 to demonstrate their social awareness skill and help the needy. Dhvani Band - Team to showcase the musical talents. The Institutional Quality Assurance Cell (IQAC) is constituted under the chairmanship of the Principal with IQAC coordinator, Dean Academics, Dean Student Welfare, Student and Alumni representatives, Industry experts, and faculty members. Women student is nominated as a member of the College Internal Complaints Committee. Students are encouraged to participate in Co-curricular and extracurricular activities with various clubs

available at the Institute and Departments (YOGICS, TACHYON SPORT, etc.) Every year, a techno-cultural fest named "VERVE" is organized that helps the students to explore management and organizational skills.

File Description	Documents
Paste link for additional information	<a href="https://jssateb.ac.in/pview/cultural_crew">https://jssateb.ac.in/pview/cultural_crew</a>
Upload any additional information	<a href="#">View File</a>

### 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

21

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	No File Uploaded
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)	<a href="#">View File</a>

## 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

JSS Academy of Technical Education, Bengaluru Alumni Association is formally a registered body. It was registered on 3rd July 2021 with more than 4000 active participants and still growing. The Association aims to link the Alumni to develop synergistic plans to support the Institution and achieve its Vision and also enable it to add value to all its stakeholders. Alumni are invited to conduct Seminars/Technical Talks, Conferences, and workshops. They are involved in the Department Advisory Board, cultural fests department-level technical symposia, etc. The guest lectures by Alumni pave the way for the interaction to further improve

the Teaching Learning Process (TLP), effective implementation of the OBE Process, placement, and internship opportunities. The Institution has shaped Entrepreneurs, Engineers, and Managers who collectively have a wealth of knowledge and experience. This collective excellence is a contribution to the growing generation, the institute, and the society as a whole. "Engage, Energize, and Enhance" Keeping this motto in mind, the Alumni Association seamlessly connects faculty, students, and Alumni. JSSATEB Alumni actively mentor them for internship, placement, entrepreneurs, societal activities, and innovations along with support to career counseling and other services. The alumni association has generated funds of Rs 4,95,000.

File Description	Documents
Paste link for additional information	<a href="https://jssatebalumni.com">https://jssatebalumni.com</a>
Upload any additional information	<a href="#">View File</a>

#### 5.4.2 - Alumni contribution during the year B. 4 Lakhs - 5 Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## 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

The Institute is governed by His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamiji, Jagadguru Sri Shivarathreeswara Mahavidyapeetha (JSSMVP), Mysuru that aims to combine traditional culture with modern science for individual personality development. The vision and mission were formulated based on input from students, parents, industry representatives, staff, academicians, and management and were approved by management on 07/08/2016 and Governing Council on 30/11/2016. The Institute effectively communicates its vision and mission, addressing students, industry, and society has needs, and has achieved numerous milestones to maintain a culture of excellence. The Electronics and Instrumentation Engineering Program is NBA accredited and is valid for 3 years until June



2025. Computer Science and Electronics and Communication Engineering programs NBA visit is completed and awaiting results. The institute has been part of the NIRF ranking since 2016. The institute was ranked 151-300 in the Innovation Category during 2023. The Institute is ranked 18th in the 11th All India Engineering Colleges Survey - 2023 with an A++ grade and was among the top engineering colleges in South India. The Week-Hansen Survey for 2023 has ranked the Institute as 102. The Institute had QS I-GAUGE Gold certification in 2020 that was valid up to March 2023. A New Application has been submitted and is under evaluation process.

File Description	Documents
Paste link for additional information	<a href="https://jssateb.ac.in/pview/vision_mission">https://jssateb.ac.in/pview/vision_mission</a>
Upload any additional information	<a href="#">View File</a>

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

The Institute promotes participative management for proper functioning and runs on a decentralized management operative process. Ideas about academic goals, organizational progression, and better campus life are collected from all stakeholders to promote the efficient functioning of the Institute.

The Principal ensures quality education and promotes development through meetings, circulars, budget decisions, audited financial reports, and committee involvement in decision-making for the institute's overall growth. The Deans assist the Principal in administration, with senior faculty leading academic/administrative committees. Authority is decentralized and suggestions from stakeholders are collected, analyzed, and implemented to have a better culture. Departmental committees within departments make decisions, while the Department Advisory Board (DAB) provides input on all academic, research, and other matters. The Principal holds regular meetings to exchange faculty ideas and make decisions to enhance the student's academic performance. The budget allocation process involves the department heads receiving a circular from the Principal should prepare the requirements after discussing them among staff and forwarding them for scrutiny. The Institute's Annual budget is prepared during October

by consolidating all the submitted documents from departments. The documents are then sent to the Director of Technical Education Division for approval. The budget is later allocated for institutions and departments that are approved by the Principal.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

A strategic plan aims to achieve excellence by optimizing resource utilization with management regularly reviewing compliance with both long-term and short-term goals. The institution plans holistic student development, including academic excellence recognition, industry-institute relationships, outcome-based education, faculty quality enhancement, R&D activities, innovation, entrepreneurial skills development, and improved placements and infrastructure. Strategic management focuses on long-term and short-term goals for an organization.

The college's student base and diverse education system contribute to its full potential, ensuring outstanding academic and personal skills. The management believes that the quality of teaching staff and the diverse education system significantly contribute to the institution's full potential. To gain in-depth knowledge that will have an impact on research and teaching, management aims to increase the number of faculties with PhDs at all levels. In this regard, the management has launched several initiatives to attract faculty to pursue PhDs, namely providing fully paid leave to faculty pursuing PhDs, R&D staff, and students seeking to carry out research projects. The institute takes necessary steps to continuously expanding laboratories with state-of-the-art facilities and software. As a result of this initiative, the number of faculty completing PhDs during the evaluation period increased significantly.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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.

JSS Academy of Technical Education, Bengaluru has various statutory and non-statutory bodies that fulfill their functions and responsibilities to uphold the institution's vision, mission, and core values. ? The Governing Council oversees administration, formulates academic objectives, guides achievement, and approves strategic plans, academic matters, and new budgets for the institution ? The institution has multiple committees, including the Finance Section, which prepares budgets in consultation with the Principal. ? The Principal oversees various divisions of the Institute, including establishment, accounts, administration, admission, budget preparation, and academic process, and is responsible for policy decisions from the Management and Governing Council.

? The Dean of Academics supports academic excellence, while the Dean of Research coordinates collaborative projects and maintains research culture. ? The Dean of Students Welfare manages a ragging-free campus, discipline, merit, scholarship matters, alumni affairs, sports, and grievances. ? Heads of Departments oversee the academic and administrative tasks of the respective departments. ? The recruitment committee oversees the process of hiring faculty and staff, ensuring they meet the department's specific requirements. AICTE rules are followed for promotions to faculty members along with a screening committee recommendations formed at the Institute. Non-teaching staff promotions follow management rules and Karnataka State Service Rules (KCSR).

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	<a href="https://jssateb.ac.in/assets/Organizational-chart.pdf">https://jssateb.ac.in/assets/Organizational-chart.pdf</a>
Upload any additional information	<a href="#">View File</a>

**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	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

The Institute effectively implements various welfare measures for both teaching and non-teaching staff to ensure their well-being and promote growth. The following benefits are available to the teaching and non-teaching staff.

- Employee benefits, including a 12% Employee Provident Fund contribution, gratuity for five-year employees, group insurance, and accident coverage for both employees and their families.
- A woman employee is entitled to avail of 135 days of paid maternity leave. The staff comes under the ESI scheme entitled to avail of 180 days of maternity leave. Since the last year of 2022-23, a total of 02 woman employees have been benefited.
- Faculty members are sent to prestigious institutions to

pursue Ph. D.s and are motivated to improve their qualifications and abilities. Faculty members are

- encouraged to participate in value-added programs by providing OOD.
- Regular teaching and non-teaching staff receive casual leave, earned leave, and special casual leaves.
- Transport services are provided at subsidized rates and annual student fees are paid in installments on a case-by-case basis.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 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

12

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 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

15

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	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

### 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

74

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

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

**Teaching Staff: Each faculty members performance is evaluated at three levels:**

- Self-assessment by the faculty
- Review by HOD and
- Final evaluation of decision by a screening committee.

The appraisal form contains general information, academic background, qualifications up to gradation, workshops attended during the year, teaching-learning-learning and evaluation-related activities, Co-curricular & extracurricular activities, research & publications, number of academic & research projects carried out, and other academic contributions. Non-Teaching staff: All non-teaching staff are assessed through annual performance appraisals and annual confidential reports. The various parameters for staff members are assessed under different categories i.e. discipline, consistency in regular duties, willingness, taking responsibility, leadership ability, quality of work, upgradation of qualification and skills. The comprehensive annual confidential report comprises 4 divisions such as

- i). Personal details (8 parameters to be filled by the staff),
- ii). Immediate superior report (9 parameters assessed by superior),
- iii). Review committee report (for acceptance/rejection)
- iv). Communications record details with the staff for non-acceptable reports.

Each parameter is graded on a 1 to 4 scale i.e., Excellent, Good, Average, and Poor. The administrative officer and principal will further approve the annual confidential report before sending it to management for approval.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 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

The Institute has system internal and external audits in place

that are done for all the financial transactions annually to ensure financial discipline. This audit ascertains integrity, accuracy, consistency, transparency, and compliance of the institute's financial-related transactions.

**Internal Audit:** The management's internal audit committee regularly checks financial documents, and expenditure details, and ensures compliance with statutory taxes such as Income Tax, Tax deductions, Provident Fund, Insurance, Professional Tax, and Goods and Service Tax. **Settlement of Audit Objections:** The audit committee provides a detailed report on financial transactions, discrepancies, and objections, which are submitted to the principal for correction, clarification, and approval.

**External Audit:** According to the government's requirements, an external audit is carried out for the year 2022-2023 by Mr. T.P. Shivaprasad, a registered Chartered Accountant, and his team.

If the audit team has any queries or concerns about payments, accounts receivable, or stock discrepancies, they are addressed and resolved. The external audit team then prepares and submits a report to the Principal. The Principal presents this audited report to the members of the Governing council for approval. Once approved, the audit report is submitted to the commissioning authority.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

#### **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)**

**7,95,799**



File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

The institute mobilizes the funds in several ways. **Student Fee:** The main source of income is the fees collected from students for various courses as per the directions of the Government of Karnataka. Other funding sources include grants from various organizations, philanthropic foundations, and industry consultancy services. The Institute's alumni are registered and pay an alumni fee, and donations of funds or equipment are received and used for the intended purpose. The Institute utilizes its facilities, including computers and classrooms, to mobilize funds for various government and non-government examinations, using a well-established cricket ground. Faculty members submit research proposals to funding agencies, and the funds received are used for the research purpose for which the fund is sanctioned. The institute offers various programs like Faculty Development and Staff Development, funded by the funds received from sponsoring agencies and participants. Toyota Kirloskar Motor Pvt. Ltd., M/s. Digital Shark Technology and Renalyx Pvt. Ltd. are partnering to establish labs, enhance faculty and student skills, and promote experiential learning.

**Optimum Utilization of Funds:** The finance department manages recurring and non-recurring expenses, including salaries, maintenance, equipment procurement, and student training. Stock registers are maintained, and audited annually, and consolidated reports are submitted to the principal. The institute supports advanced equipment procurement and research grants for resource utilization.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 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

An academic Audit process is in place to ensure an effective teaching-learning process and qualitative measures. In semester 2 audits were conducted to strengthen the Teaching learning process. R&D Cell is strengthened and also conducted workshops on Effective Research Paper Writing, Drafting Project Proposals Identifying Trust Areas, etc. Project proposals were submitted to various funding agencies.

As part of students' skill enhancement schemes, the departments collaborate with various agencies and regularly conduct technical events, awareness programs, career guidance, and skill development courses. Feedback from students, parents, and other stakeholders on quality-related institutional processes is taken and actions are initiated from time to time as necessary. The meticulous preparation and timely submission of the Annual Quality Assurance Report (AQAR) and its online publication after NAAC endorsement are ensured by the IQAC. Furthermore, the IQAC coordinates alumni and Parent-Teacher Association meetings to facilitate engagement in association with the Alumni Association. Academic and Administrative Audit of departments are consolidated in various Formats by considering various quality-related parameters. Compilation and submission of data to AISHE, NIRF, QsQS I-GAUGE, and other agencies with participation in the 11th Chronicle Engineering Survey 2023 and NIRF.

File Description	Documents
Paste link for additional information	<a href="https://jssateb.ac.in/assets/IQAC-Annual-Report-2022-23.pdf">https://jssateb.ac.in/assets/IQAC-Annual-Report-2022-23.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

The Institute has undertaken various activities as per the recommendations from the NAAC during the first cycle and has taken some initiatives. To introduce Value Added Courses in all UG Programmes - Initiated. Strengthen collaboration with premier institutes and industries: The Institute has signed an MOU with IIT Guhawati and CDAC. The institute has set up a center of excellence on EV mobility center with M/s Dassault systems. Alumni association: The departments and the Institute's social media team are circulating the activities of the Institute to the Alumni regularly through LinkedIn and other social media platforms. Few of the events have been published in newspapers, (Vijayavaani, VijayaKarnataka, Prajavahini). Constant improvements are incorporated in TLP, Graduate Outcomes, and Public Perception parameters. There is a significant improvement in the Research Promotion area compared to the previous years. Industrial visits (7 nos.), Students' hands-on workshops (13 nos.), Industry expert talks (9 nos.), covering content beyond the syllabus, tutorial classes, etc. are taken up for a better understanding of the concepts by the students (TLP improvement). Expert talks on funding opportunities and how to write an effective project proposal were organized on 02.12.2022, resource persons were the senior scientists from DSIR, Govt. of India. Perception: Actions are in place to publicize the institute's information to the stakeholders and general public through social media.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**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	<a href="https://jssateb.ac.in/assets/IOAC-Annual-Report-2022-23.pdf">https://jssateb.ac.in/assets/IOAC-Annual-Report-2022-23.pdf</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## 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

In an era of gender equality and women empowerment, the institution has implemented all the necessary measures to empower the female staff and students to excel in their personal and professional lives. The institution has 79 female teachers out of 159 and 34% of girls are studying on the campus. The utmost care and safety of the womenfraternity are ensured by educating them through extensive programs and awareness camps that are conducted by CICC. Girls Hostel is also located within the campus to ensure the safety and security of 322 residents with adequate infrastructural facilities, a warden and a residentwarden. Two security personnel, a woman and a gent, guard the hostel on 24x7 basis.

The Chairman and members of the Anti-Sexual Harassment Cell and Anti-ragging Cell constituted at the Institute keep vigilance throughout the campus and conduct awareness programs to educate the women fraternity to ensure their safety during their stay.

A separate common room has been allocated for girls and women faculty by each department to relax and rest for any short-term ailments. All women employees are provided with Maternity leave as per the government rules with pay up to a maximum of two children 6 months.

File Description	Documents
Annual gender sensitization action plan	<a href="https://jssateb.ac.in/NAAC-2023/genderactionplan.pdf">https://jssateb.ac.in/NAAC-2023/genderactionplan.pdf</a>
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	<a href="https://jssateb.ac.in/NAAC-2023/Specific-facilities.pdf">https://jssateb.ac.in/NAAC-2023/Specific-facilities.pdf</a>

**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**

**A. 4 or All of the above**

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**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 campus has separate bins for Wet and Dry waste kept in the designated places on the campus and in the washroom.**

- **Solid Waste Management:** Solid Waste generated on the campus is segregated into biodegradable and non-biodegradable waste. Biodegradable waste is converted into manure and Non-biodegradable waste is disposed of by authorized recyclers.
- **Liquid Waste Management:** Liquid Waste generated within the campus is treated using a Sewage Treatment Plant built on the campus with a capacity to recycle 2,00,000 liters per day. The waste generated is used for gardening purposes.
- **Biomedical waste management:** Separate bins are kept in the Girl's Washrooms and Girl's Hostel. A Biomedical Burning Machine installed in the Girl's Hostel burns biomedical waste in an environmentally friendly manner.
- **E-waste management:** Collected by the central Maintenance

Department and disposed to M/s. E-Ward Recycling Private Limited under the Karnataka State Pollution Control Board which recycles waste in an eco-friendly manner.

- **Waste Recycling System:** Biodegradable waste from the Kitchen and garden is composted, and used as manure in the garden. All the Non-degradable Wastes are segregated at the source into E-Waste and Bio-medical Waste.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

**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**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

**A. Any 4 or All of the above**

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

### 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 following**

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

**B. Any 3 of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

**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**

**C. Any 2 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

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).

**Techno-cultural events:** The Flagship program of the Institution i.e. Techno-cultural Fest Verve, is organized every year to provide an opportunity to young talents in the area of Technology, Sports, and Culture. This year Verve was conducted from the 8th-10th of June 2023 and was inaugurated by the CEO of Finetellix, Bengaluru, and Kannada Cine Artist Ganesh Rao. The program also facilitates the academic performers and faculty who are awarded with Doctoral Degrees. Catering to the cultural diversity of the student fraternity, over 3000 students participate in diverse events such as Dance, Photography, Beatbox battle, Shark Tan, Web design, etc. DJ show by Savio Mullen and Jonas Monteiro was also the highlight of the program.

**Ethnic Day:** The Institute celebrates Ethnic Day every year to relieve their customs and practices by wearing their traditional outfits. It is one such occasion where everyone rejoices creating special memories for their lifetime. Cultural programmes are also being arranged and the day concludes with the best attire being rewarded.

The following programs are also conducted by NSS Department to promote cultural harmony:

- **Sadbhavana Diwas**
- **One Student One Tree campaign**
- **Medical and Blood Donation Camps**



- **Anti-Ragging Awareness**

- **International Yoga Day**

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

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

The institute respects the rights of people and brings awareness about the rights of voters, and the constitution, inculcates Universal Human Values among the students and staff through programs organized by the NSS department every year.

The following days are being celebrated to educate the civilians on the campus about the rights, duties, and responsibilities as citizens of India: Sadbhavana Diwas was celebrated on 18-8-2023 with students and staff who took an oath to work in harmony irrespective of caste, religion, or language. Democracy Day was conducted as part of the NSS Activity on 15-9-2023 in the college for staff and students. During the program, the participants took an oath to abide by the constitutional rights and duties of Justice, Liberty, Equality, and Fraternity. National Voters Day was celebrated on 25th January 2023 where all the students and staff took a pledge to vote during the elections and be a part of government formulation. Constitution Day is observed on November 26 every year to commemorate the adoption of the Constitution of India on November 26, 1949. Students and staff recite the preamble of the constitution of India and take an oath that they respect and adhere to the constitutional law.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://jssateb.ac.in/NAAC-2023/student-activities.pdf">https://jssateb.ac.in/NAAC-2023/student-activities.pdf</a>
Any other relevant information	<b>Nil</b>

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

**C. Any 2 of the above**

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
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	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

JSS Academy of Technical Education, Bangalore observes both National and International Days annually with due great respect and gratitude. Each year, the entire faculty and student body convene at the college to honor a diverse array of national and international festivals. These celebrations have evolved into integral components of life, fostering unity while embracing discipline, patriotism, cultural richness, and ethical values. The college places significant emphasis on cultural and constitutional festivities within its extracurricular agenda. Throughout the academic year, students, under the guidance of their teachers, participate in various commemorations that enable them to explore diverse cultures and envision India's identity as a unified nation. The institution's academic calendar is replete with remarkable events, reflecting its fervent commitment to acknowledging a wide spectrum of national and international days, commemorative occasions, and festivals. Notably, the institution has observed significant national

festivals such as Independence Day, National Science Day, National Engineers Day, Republic Day, Gandhi Jayanthi, Sarvodaya Day, alongside other pivotal celebrations including World Environment Day, NSS Day, Constitution Day, National Youth Day, International Women's Day, International Yoga Day, World No Tobacco Day, World Suicide Prevention Day etc.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
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. Title: Social Responsiveness Philosophy

#### 2. Objectives:

- Foster social belongingness among students and staff.
- Cultivate social responsiveness behavior in students and staff.

#### 3. The Context:

Social responsibility is an ethical theory in which individuals are accountable for fulfilling their civic duty, and the actions of an individual must benefit the whole of society.

#### 4. The Practice

- Academics: Adopting the OBE philosophy to address industry needs and societal desires.
- Students: Encouraging resource conservation awareness and societal program participation.
- Staff: Guiding students in executing socially responsive programs.
- Governance: Integrating social responsiveness into institute policies.

## 5.Evidence of Success

- Funding for socially relevant projects.
- Recognition, scholarships, and environmental participation.
- Active involvement in energy, water, waste, and environment conservation.
- Support for experiential learning and socially responsive initiatives.

## 6. Problems Encountered and Resources Required

- Engaging society members and continual adoption efforts.

### Resources Needed:

- Diverse funding sources for scaling social responsiveness.

## 1. Title: Strengthening Technical Competency via Online Courses

### 2. Objectives:

- Enhance problem-solving and creative thinking skills.
- Develop advanced technical competency.

### 3. The Context:

- Segmented task approach and academia-industry alignment.

### 4. The Practice:

- Encouraging NPTEL, Coursera, and MOOCs enrollment.

### 5.Evidence of Success:

- Number of faculty Completed certified courses - 40
- Number of students Completed certified courses-300

### 6. Problems Encountered and Resources Required:

- Time management and interdisciplinary course prerequisites.

Both practices aim to cultivate social responsibility and technical proficiency, facing hurdles like resistance to change and time constraints.

File Description	Documents
Best practices in the Institutional website	<a href="https://jssateb.ac.in/assets/INSTITUTIONAL-BEST-PRACTICES.pdf">https://jssateb.ac.in/assets/INSTITUTIONAL-BEST-PRACTICES.pdf</a>
Any other relevant information	Nil

### 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

#### National Science Week:

The Department of Chemistry organizes National Science Week and Science Day every year to promote scientific investigation into natural phenomena. This is a week-long programme that is celebrated throughout the college consisting of Technical talks, Science Quizzes, and essay writing competitions. The event was conducted in February 2023 to bring out scientific talent and creativity. The program attracts students from schools and P U colleges across the State who get exposed to the latest science and technology developments in the world.

The institution has initiated "Village Adoption Scheme", has adopted a village called Agara, and conducts many programs to educate students and formers, on the upgradation of skills, educating about health and Swachh Bharat, etc. Our institution has offered the "Datti Scheme", to provide financial assistance to needy students. On the occasion of Environment Day tree plantation on the campus was done. Each student on the campus has planted a tree/sampling/medicinal plant in the campus. To promote the Mission of Digital India, the college has introduced a Cashless Transaction System for students. In the context of the health and hygiene of girls' students, the college has installed "Sanitary Napkin Vending Machines with Disposal Machines".

## 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

The Institution is affiliated to Visweswaraya Technological University (VTU), Belagavi, Karnataka. All the rules, regulations and guidelines followed by the institution are governed by the affiliating University. National Education Policy (NEP) 2020 is implemented effectively in developing the university curriculum. In addition to the traditional chalk-and-talk method, the institution has adopted innovative teaching methods such as flip classes, assignments, mini projects, workshops, seminars, industrial visits, collaborative learning, simulation, technical quizzes, e-learning, etc. to ensure an effective teaching-learning process. G-suite and Google classrooms are effectively used for teaching, conducting internals, solving assignments, posting teaching material, etc. An academic monitoring committee at the Institute level is formed to monitor the academic process for the conduction of theory and practical's according to the scheduled timetable. All the academic documents such as lesson plans, Course outcomes, and their mapping with program outcomes and Program Specific Outcomes, Content Beyond Syllabus, Assignments, etc. are verified by the academic monitoring committee. To maintain uniformity and quality, the internal assessment question papers and scheme of evaluation are scrutinized by an expert team constituted at the Institute level well in advance.

As a part of the assessment process, quizzes, assignments, projects, surveys, case studies etc. are conducted. The analysis after each internal assessment is done and based on the performance, the students are categorized as slow learners and advanced learners. Additional tutorial classes are conducted for slow learners to improve their academics and advanced learners are counselled and encouraged to participate in co-curricular activities.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://jssateb.ac.in/assets/JSSATEB_Calendar_of_Events_2023_24_Odd_Semester_BE%20III%20Sem%20(Updated).pdf">https://jssateb.ac.in/assets/JSSATEB_Calendar_of_Events_2023_24_Odd_Semester_BE%20III%20Sem%20(Updated).pdf</a>

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

The institute level calendar of events, timetable and lesson plans in each course are prepared at least 2-3 days prior to the commencement of the classes and will be made available to the students. The lesson plans are prepared by the faculty incorporating the OBE concepts. Contents are delivered as per the university curriculum and beyond curriculum to address few of the additional POs which are not addressed by the regular curriculum. All Faculty members ensures the regularity and punctuality in engaging their classes. Besides this, the university has clear guidelines about the conduction of Continuous Internal Evaluation (CIE) in the respective courses. A committee is formed at the Institute level to scrutinize the CIE question papers, scheme of solutions and standard of the paper. The committee thoroughly checks for the syllabus coverage, marks allocation, duration of the test, OBE implementation, etc. The Institute strictly follows the university guidelines for the conduction of CIE.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://jssateb.ac.in/assets/JSSATEB_Calendar_of_Events_2023_24_Odd_Semester_BE%20VII%20Sem%20(1).pdf">https://jssateb.ac.in/assets/JSSATEB_Calendar_of_Events_2023_24_Odd_Semester_BE%20VII%20Sem%20(1).pdf</a>

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating**

**A. All of the above**

**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	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 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**

13

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

**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)**

34



File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>

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

382

File Description	Documents
Any additional information	<a href="#">View File</a>
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

### 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 affiliating University and the Institute effectively integrates the curriculum with courses on Constitution of India, Professional Ethics and Human Rights, Management and Entrepreneurship, Construction Management, and Entrepreneurship, Workplace Ethics and Value Systems, Business Law and Policy, IHRM, Entrepreneurship, AICTE Activity, Social connect and Responsibility, Engineering Chemistry, Environmental studies, Air Pollution and Control, Water Supply and Treatment Engineering, Solid Waste Management, Water Resource Management, Municipal, and Industrial Waste Water Engineering, Environmental Engineering Lab,

Addressing Human Values and Professional Ethics: The Institute's NSS unit and socio-welfare unit conduct events to serve the society. The Institute has adopted a village Agara, and several programs are conducted to educate students on the upgradation of skills, Swachh Bharat.

Addressing Gender-related: Males and females are given equal preference in all aspects such as Admission, Co-curricular,

extracurricular, Training, and Placement. The governing council of the institute has a female representative. The institute has constituted a women's cell which addresses complaints and celebrates Women's Day. Free counselling services are available to students and faculty through a Counselling Cell. JSSATEB organizes gender sensitization events such as seminars, conferences, guest lectures, exhibitions, street plays and literary activities.

**Addressing Environment and Sustainability:** The institution has installed solar panels, tube lights are replaced with LEDs to save energy, water recycling plant on the campus for environmental protection. On the occasion of Environment Day faculty and students have planted tree/sampling/medicinal plant in the campus.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View File</a>

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

28

File Description	Documents
Any additional information	<a href="#">View File</a>
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
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	<a href="#">View File</a>

<b>1.3.3 - Number of students undertaking project work/field work/ internships</b>	
1068	
File Description	Documents
Any additional information	<a href="#">View File</a>
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>
<b>1.4 - Feedback System</b>	
<b>1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni</b>	<b>A. All of the above</b>
File Description	Documents
URL for stakeholder feedback report	<a href="https://jssateb.ac.in/pview/feedback">https://jssateb.ac.in/pview/feedback</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<b>No File Uploaded</b>
Any additional information	<a href="#">View File</a>
<b>1.4.2 - Feedback process of the Institution may be classified as follows</b>	<b>A. Feedback collected, analyzed and action taken and feedback available on website</b>
File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="https://jssateb.ac.in/pview/feedback">https://jssateb.ac.in/pview/feedback</a>
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	

<b>2.1.1 - Enrolment Number Number of students admitted during the year</b>	
<b>2.1.1.1 - Number of students admitted during the year</b>	
869	
File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>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)</b>	
<b>2.1.2.1 - Number of actual students admitted from the reserved categories during the year</b>	
369	
File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>
<b>2.2 - Catering to Student Diversity</b>	
2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners	
<p>Students from diverse backgrounds are admitted to the institution. Students' learning levels are assessed regularly through observations and interactions with course faculty and mentors. The students learning levels are assessed formally through internal evaluation tests and informally during the classroom interactions. Based on the performance in Continuous Internal Evaluation and Semester End Examinations initiatives are taken for slow and advanced learners by departments for a better learning progression and to achieve academic success.</p> <p>Identify the students' learning levels: Faculty will have regular interactions with students and identify the strength and weakness by considering the academic background, aptitude, pace of learning, personality, motivation,</p>	

interests and feedback from course teacher.

Departments analyse the performance of each student based on IA marks and previous examinations for identifying slow and advanced learners. Course Faculty conducts remedial classes, mock tests, practice tests, and solve previous exam papers for slow learners. Advanced learners are taken special care and encourages to participate programs on co-curricular, extracurricular events both at National and International levels and also prepare them for higher studies. They are motivated to research work by encouraging to publish research papers, participation in conferences and professional society events.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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

Number of Students	Number of Teachers
3146	172

File Description	Documents
Any additional information	<a href="#">View File</a>

### 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

JSSATEB make sincere efforts in making the learning activity to students more interactive by adopting the following methods:

- Collaborative learning: Students are encouraged to participate in project exhibitions, Hackathon, technical fest, and symposium to develop competitive and team spirit.
- Experiential learning: All the departments follow

Laboratory Learning by including additional experiments apart from the prescribed syllabus to strengthen experimental skills. Industrial visits are organized for the students to expose them to real-time industrial processes.

- Active learning: Through professional society clubs under CSI, IEEE, ISTE and SAE chapters students participate, organize technical events.
- Self-Learning: The institute has well-established Library with latest books, journals, e-books and encouraged to take up MOOC through NPTEL, Udemy, Coursera, etc.
- Open Educational Resources: Open-source tools, virtual lab and videos are used as additional resources
- Continuous Assessment Process: Learning methods are assessed through time-bound assignments, presentations, seminars, mini projects, class-tests, quizzes.
- Final year Projects are monitored with well-defined rubrics to ensure quality, and encouraged to publish their project work in National/International conferences/ Journals.
- Internships: Students are encouraged to take up internships from industry to get an insight on Industry practices
- Project Demonstration: In Technical fests and open day exhibition students demonstrate the innovative ideas and working models.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

The Institute has classrooms with multimedia teaching aids like LCD projectors, and Internet-enabled computer systems. The faculty make use of the latest ICT infrastructure for the teaching-learning process. Faculty prepare PowerPoint presentations and other teaching materials to deliver the lectures to create the best learning environment for the students. Google Classroom is used by the faculty members for sharing learning materials. Group assignments and online quiz

are conducted using online tools.

Students can avail of various e-tools, web resources, video lectures for better learning experience. The faculty members effectively utilize audio-visual aids to demonstrate the concepts to the students using the resources. Students are provided access to various online journals such as IEEE, Springer and training resources which help them for implementation of projects and publish papers. Virtual labs from NIT is used for performing experiments through simulations. Anti-plagiarism software Drilbit is made available for faculty to empower students to do their best, original work.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</a>

### 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

165

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
Mentor/mentee ratio	<a href="#">View File</a>

### 2.4 - Teacher Profile and Quality

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

172

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

#### **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**

86

File Description	Documents
Any additional information	<a href="#">View File</a>
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)	<a href="#">View File</a>

#### **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**

1906

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

#### **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 institute formulates its academic calendar well in advance before the commencement of the semester in line with a University Academic Calendar. It includes specific dates for the conduction of Internal Assessments (IAs) for theory. The internal assessment process is communicated to the students well in advance. The institute has prepared standard formats for preparing the question papers. JSSATEB has centralised IA Question paper scrutiny committee for reviewing the relevance and appropriateness. The syllabus for the IA is communicated to the students by the respective course teachers well in advance. Question papers are given to the test coordinator of the department and they will distribute the question paper to room invigilators in a centralized manner. Squad committees conduct surprise visits during internal assessment tests to curb the malpractice and misconduct. The final IA marks of the students are entered into the university portal as per the notifications. The final CIE marks uploaded to the portal will be printed and students need to verify and duly sign. The marks so entered are verified by HOD and same is to be approved by the HOD and Principal.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

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

The internal assessment process provides information on the principles and methods by which JSSATEB evaluates its students to determine the attainment level of learning outcomes. It also ensures uniformity in evaluation across all programs offered by the institute. Three CIEs are conducted with the first CIE after 5 weeks of commencing the classes in a semester. The second and third CIE are conducted with a gap of 4 weeks between them. For the laboratory courses, one CIE is recommended by the university. The institute level CIE team will release a notification, at least a week before of the scheduled CIE date, consisting of the timetable and examination hall information. The course teachers should complete the evaluation of the blue books within one week of the completion of the CIE tests and the marks are communicated to the students and parents. The Institute has a

grievance redressal cell wherein all issues related to evaluation are discussed and students can submit their queries online or in-person. In case the student is not satisfied regarding evaluation or award of marks he/she can appeal the HOD. HOD takes the appropriate action and decision against grievances.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	Nil

## 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.

Outcome Based Education involves framing cohesive Program Education Objectives(PEOs), Program Specific Outcomes(PSO), Program Outcomes(POs), Course Outcomes(COs), and ensuring assessment and attainment of these outcomes. POs and PSOs are synchronized with the Program Educational Objectives(PEOs), the Vision and Mission of the respective Department and the Institute. POs, PEOs and PSOs are displayed at prominent places including classrooms and laboratories in all the Departments. The course outcomes are prepared by the respective faculty member using Bloom Taxonomy to keep all learning outcomes measurable, clear and concise. COs are mapped to PO and PSO to facilitate the faculty to achieve teaching objectives and finally observe the learning outcomes.

The HOD's along with the faculty members create awareness to students and stress the importance of achieving the goals and outcomes. In all the interactions with the students and stakeholders awareness on POs, PSOs and COs are continuously promoted and is also made available in the respective programs in the Institute website.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View File</a>

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

The course teacher prepares a consolidated assessment of COs attained through CIE & SEE.

The various tools used for CO attainment are:

- CIE
- Practical Records
- Internship
- Project Reviews
- Reports
- Course Exit Survey
- Semester End Examinations

Overall CO Attainment level = 90 percent [ 60 percent CO attainment through IA + 40 percent through SEE] + 10 percent of Course End Survey.

Target values of CIE is considered by following parameters and weightage

- Student Quality - 50%
- Faculty Experience - 10%
- No. of Time Subject handled -10%
- Subject Quality - 30%

Target value of SEE is average marks of class in SEE

Attainment of PO-PSOs:

- The mapping process of CO-PO, CO-PSO is carried out and tabulated in the form of a relational matrix with High-3, Medium-2, Low-1 correlation value.
- The PO-PSO attainment process are carried out using direct assessment and indirect assessment tools.
- Direct attainment: Through overall CO attainment.
- Indirect attainment: Program Exit Survey and Alumni survey are included for POS and PSOs attainment calculations.
- Overall PO-PSOs attainment = 80 percent of Direct PO-PSOs attainment + 20 percent of Indirect PO-PSOs attainment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	Nil

### 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

860

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://jssateb.ac.in/NAAC-2023/Final-Year-Pass-Percentage.pdf">https://jssateb.ac.in/NAAC-2023/Final-Year-Pass-Percentage.pdf</a>

<b>2.7 - Student Satisfaction Survey</b>	
<b>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)</b>	
<a href="https://jssateb.ac.in/assets/SSS-2022-23.pdf">https://jssateb.ac.in/assets/SSS-2022-23.pdf</a>	
<b>RESEARCH, INNOVATIONS AND EXTENSION</b>	
<b>3.1 - Resource Mobilization for Research</b>	
<b>3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)</b>	
<b>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)</b>	
<b>5.64 Lakhs</b>	
File Description	Documents
Any additional information	<b>No File Uploaded</b>
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>
<b>3.1.2 - Number of teachers recognized as research guides (latest completed academic year)</b>	
<b>3.1.2.1 - Number of teachers recognized as research guides</b>	
<b>20</b>	
File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year</b>	
<b>3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year</b>	
<b>2</b>	

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	Nil

### 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 has identified a senior faculty member, Dr. Mahesh B, as Dean of Research to coordinate and promote faculty/students to be involved in innovative ideas and knowledge transfer through Institute and department forum activities.

Initiatives for creation and transfer of knowledge among faculty and students:

The Institute has organized a two-day programme on sharpening research for deans, HODs, and faculty members with PhD degrees.

A voluntary "researcher's forum" consisting of prominent researchers of the Institute share their research experiences among others.

Department of Civil Engineering conducted workshop on "Geospatial Analytics" in association with CIDA.

Department of ISE organized capacity-building workshop on "Research and Documentation".

Department of ISE organized IEEE International Conference on "Cognitive Computing and Information Processing" and National Conference on Advancements in Information Technology, NCAIT-2023.

Department of chemistry organised "National Science

Fair-2023" and "Capacity Building in Research and Development".

Department of ECE organized hackathon on "AI applications" with the NASA International space app challenge and Innovation Marathon.

Department of EIE organized the "ISTE state-level faculty convention".

Department of Mechanical department organized "IPR awareness program" and "ROBO exhibition".

Department of Robotics and Automation organized workshop on "Robotics Operating Systems".

JSS ATE STEP organized "six Technology Entrepreneurship Development Programs".

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://jssateb.ac.in/NAAC-2023/3.2.1_Innovation_Ecosystem.pdf">https://jssateb.ac.in/NAAC-2023/3.2.1_Innovation_Ecosystem.pdf</a>

### 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

55

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

### 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**

2

File Description	Documents
URL to the research page on HEI website	<a href="https://jssateb.ac.in/assets/University-Recognized-Research-Guides.pdf">https://jssateb.ac.in/assets/University-Recognized-Research-Guides.pdf</a>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**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**

133

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

**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**

61

File Description	Documents
Any additional information	<a href="#">View File</a>
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

**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

The Institute encourages students to participate in various extension activities to promote College-Neighborhood-Community network.

The objective of NSS unit is to make youngsters sensitive to their surroundings and practical understanding of concepts of human values, also adopted village Agara, Kengeri Hobli, Bengaluru. Our students wholeheartedly participate and demonstrated their social awareness skills and helped people in need.

Following are the activities carried by our students but not limited to:

Environmental Awareness Rally

Warm Cloth Donation Drive

Distribution of Govt cards to the beneficiaries of Agara Village

Intercollegiate poster-making competition for 2nd PUC Science, Diploma and degree students

Blood Donation Camp

Drug Awareness Walkathon

Talk on the topic "Save Soil"

Har Ghar Tiranga event

Azadi Ka Amrit Mahotsav Competitions

Constitution Day or 'Samvidhan Diwas'

Oath taking Ceremony

NSS Day celebration

Essay writing and drawing competitions on "Communal Harmony and National Integration"

**National Youth Week****voter registration camp**

A motivational talk was arranged by the NSS Unit on the topic "Successful Life through Elevated Minds" by a resource person, Bhamha Kumari Mega Deep from Bramha Kumari Samaja.

Participated in National Integration camp organized by KLE Deemed University in collaboration with the state NSS cell, Government of Karnataka.

**Awareness program on the life of Swamy Vivekanandha**

File Description	Documents
Paste link for additional information	<a href="https://jssateb.ac.in/assets/JSSATEB_NSS%20Annual%20report%202022-23.pdf">https://jssateb.ac.in/assets/JSSATEB_NSS%20Annual%20report%202022-23.pdf</a>
Upload any additional information	<a href="#">View File</a>

**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**

16

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>

**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**

36

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<a href="#">View File</a>

### 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

4685

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 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

740

File Description	Documents
e-copies of related Document	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

### 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

23

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

## 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.

According to the guidelines and standards of VTU, the Institute has policies in place to construct and update infrastructure and physical facilities every year for the teaching-learning process. In the South-Western section of Bengaluru City, the Institute is situated on 21.17 acres of land surrounded by lush green plantations. The Institute's three academic blocks comprise 35,572 square meters, which include classrooms, a seminar hall, a drawing hall, laboratories, workshops, and staff rooms. For girls, girls common room facilities are available. With a centralized Wi-

Fi and Internet infrastructure, the entire Campus is networked. The Institution makes sure the necessary physical infrastructure is available. The Institute has a well-thought-out plan for building the infrastructure. After reviewing the course requirements, the computer-to-student ratio, the budgetary restrictions, and the operational condition of the existing equipment, a need assessment for replacement, upgrade, or addition of the existing infrastructure is carried out at the beginning of the academic year based on suggestions from the department heads, lab technicians, and system administrators. The timetable coordinator plans for all requirements for classrooms and laboratories.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://jssateb.ac.in/pview/infrastructure">https://jssateb.ac.in/pview/infrastructure</a>

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

The Institute has built the necessary infrastructure for indoor and outdoor games. This will help the students develop holistically. The Institute includes four seminar halls for organizing extracurricular, co-curricular, and cultural events every year at the Institute and Department levels. A wide range of games are supported by large playing fields with well-maintained Day and Night facilities for conducting matches at designated areas for indoor and outdoor sports. The Institute contains a gym and space designated for yoga. The Institute teams have established leads in several intra- and inter-institutional, collegiate, and national-level events. The students have participated in intercollegiate (University) competitions. The sports department actively plans interdepartmental competitions and sports events on Annual Sports Day. It is proud to have organized intercollegiate and VTU sports events according to the VTU Sports calendar. The Department also plans sports activities for faculty at the college and intercollegiate levels. The Department has held major sports events like the Bengaluru South Zone Cricket Tournament and numerous more intercollegiate and interzone competitions. Our Institute has one of the best turf fields in Karnataka, which is recognized

by the Karnataka State Cricket Association (KSCA) in Bangalore. Under 14, 16, and 19, Zonal Matches were held with assistance from the Department and KSCA.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://jssateb.ac.in/pview/sports">https://jssateb.ac.in/pview/sports</a>

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

61

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://jssateb.ac.in/pview/infrastructure">https://jssateb.ac.in/pview/infrastructure</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 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)

43.14

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

Since 2015, the Library has utilized LIBSOFT's ILMS software (version 12.0) for partial automation in the areas of acquisition management, catalog management, barcode management, search functionality, online access, inventory management, subscription management, online public access catalog (OPAC), and project reports collections. Books are provided to users by scanning the barcode, which is done for all library materials. LIBSOFT is extremely adaptable and frequently used to generate all the reports needed for daily requirements. The Library is spread out across two floors and has a carpet area of 2100 square meters, as well as a separate section for periodicals, a reference section, an audio/visual room, etc. Additionally, the students have access to a computer-equipped digital library to access internet materials. The library boasts an extensive array of books curated to meet both present and future information needs of its users comprehensively, primarily on areas relevant to Engineering, Management, and allied fields. From 9.00 AM to 9.00 PM, students have access to the library facilities. Through Wi-Fi and LAN, users can access e-journals and MOOC courses from any location on the Campus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://jssateb.ac.in/pview/LI_center">https://jssateb.ac.in/pview/LI_center</a>

**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	<a href="#">View File</a>
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

**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)**

34.01

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

**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**

22

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

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

All of the Institution's stakeholders are provided with modern IT facilities as per ICT Policy. IT facilities are updated regularly to meet the requirements of the teaching-learning process at the institution. 12-core optic fiber networking cable is used for providing broadband internet services. It is linked together as a backbone network to offer high-speed data connectivity throughout the Campus's Blocks. There are 100 indoor and ten outdoor Wi-Fi access points spread across the academic blocks of the Campus to connect various devices to the Internet wirelessly. The Campus's network bandwidth is 700 Mbps, allowing for wired and wireless connectivity for staff and students via several



access points. IP cameras have been deployed all over the Campus for safety and surveillance purposes. These cameras are used to monitor campus activity and maintain security continuously. A network video recorder is implemented for handling the recording, video, and alarm management. The Institution has well-trained technical support staff to handle needs such as installation, upgrade, and maintenance of the computer systems and other IT necessities, ensuring that IT resources continue to operate without interruption.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.3.2 - Number of Computers

751

File Description	Documents
Upload any additional information	No File Uploaded
List of Computers	<a href="#">View File</a>

#### 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	<a href="#">View File</a>

#### 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)

929.79

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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.

The Institution is using a systematic approach to use and maintain its academic, physical, and support facilities. Lifts, Generators, Air Conditioners, UPS systems, RO water systems, housekeeping services, security services, gardening and landscaping services, transportation services, sewage treatment plant, and other amenities are maintained through AMC. The maintenance Engineer will submit a budget request to the Principal at the beginning of each financial year, asking them to allocate the necessary funds based on past performance and actual costs. The Principal will allot the money following the request to cover the Department's expenses. The maintenance department hires technicians to take care of some other physical amenities, including generators, air conditioning, plumbing, and carpentry. The maintenance department is also in charge of the cafeteria services, stationery stores, ATMs, fire extinguishers, solar energy extensions, etc. A maintenance Engineer oversees general supervision and is in order of the maintenance section. With the assistance of technical employees and assistants, the office superintendent oversees and coordinates a variety of tasks. The technical staff carries out tasks and oversees the work completed by various suppliers by conducting routine inspections and assuring the quality of work at all locations with the assistance of technical assistants.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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

1354

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
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)	<a href="#">View File</a>

#### 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 benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

56

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

<b>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</b>	<b>A. All of the above</b>
<b>File Description</b>	<b>Documents</b>
Link to Institutional website	<a href="https://jssateb.ac.in/pview/training">https://jssateb.ac.in/pview/training</a>
Any additional information	<a href="#">View File</a>
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>
<b>5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<b>1048</b>	
<b>5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year</b>	
<b>1048</b>	
<b>File Description</b>	<b>Documents</b>
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>
<b>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</b>	<b>A. All of the above</b>

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 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

405

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student placement during the year (Data Template)	<a href="#">View File</a>

### 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

35

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

### 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**

32

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	<a href="#">View File</a>

**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.**

12

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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 )

**Institute with an objective of inculcating leadership skills,**

fostering a sense of community, and ensuring that their voices are heard in shaping the institution's policies and activities. Institute has an active Student Council with a strong representation and they are involved in administrative, co-curricular, and extracurricular activities by including them as members of the committees. They actively participate in committee meetings. Dean Student's welfare monitors the functioning and effectiveness of the process. Student volunteers of Institute started YODHA (The Warrior Within In) in the year 2013 to demonstrate their social awareness skill and help the needy. Dhvani Band - Team to showcase the musical talents. The Institutional Quality Assurance Cell (IQAC) is constituted under the chairmanship of the Principal with IQAC coordinator, Dean Academics, Dean Student Welfare, Student and Alumni representatives, Industry experts, and faculty members. Women student is nominated as a member of the College Internal Complaints Committee. Students are encouraged to participate in Co-curricular and extracurricular activities with various clubs available at the Institute and Departments (YOGICS, TACHYON SPORT, etc.,) Every year, a techno-cultural fest named "VERVE" is organized that helps the students to explore management and organizational skills.

File Description	Documents
Paste link for additional information	<a href="https://jssateb.ac.in/pview/cultural_crew">https://jssateb.ac.in/pview/cultural_crew</a>
Upload any additional information	<a href="#">View File</a>

### 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

21

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	No File Uploaded
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)	<a href="#">View File</a>

#### 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

JSS Academy of Technical Education, Bengaluru Alumni Association is formally a registered body. It was registered on 3rd July 2021 with more than 4000 active participants and still growing. The Association aims to link the Alumni to develop synergistic plans to support the Institution and achieve its Vision and also enable it to add value to all its stakeholders. Alumni are invited to conduct Seminars/Technical Talks, Conferences, and workshops. They are involved in the Department Advisory Board, cultural fests department-level technical symposia, etc. The guest lectures by Alumni pave the way for the interaction to further improve the Teaching Learning Process (TLP), effective implementation of the OBE Process, placement, and internship opportunities. The Institution has shaped Entrepreneurs, Engineers, and Managers who collectively have a wealth of knowledge and experience. This collective excellence is a contribution to the growing generation, the institute, and the society as a whole. "Engage, Energize, and Enhance" Keeping this motto in mind, the Alumni Association seamlessly connects faculty, students, and Alumni. JSSATEB Alumni actively mentor them for internship, placement, entrepreneurs, societal activities, and innovations along with support to career counseling and other services. The alumni association has generated funds of Rs 4,95,000.



File Description	Documents
Paste link for additional information	<a href="https://jssatebalumni.com">https://jssatebalumni.com</a>
Upload any additional information	<a href="#">View File</a>

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

**B. 4 Lakhs - 5Lakhs**

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## 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

The Institute is governed by His Holiness Jagadguru Sri Shivarathri DeshikendraMahaswamiji, Jagadguru Sri Shivarathreeswara Mahavidyapeetha (JSSMVP), Mysuru that aims to combine traditional culture with modern science for individual personality development. The vision and mission were formulated based on input from students, parents, industry representatives, staff, academicians, and management and were approved by management on 07/08/2016 and Governing Council on 30/11/2016. The Institute effectively communicates its vision and mission, addressing students, industry, and society has needs, and has achieved numerous milestones to maintain a culture of excellence. The Electronics and Instrumentation Engineering Program is NBA accredited and is valid for 3 years until June 2025. Computer Science and Electronics and Communication Engineering programs NBA visit is completed and awaiting results. The institute has been part of the NIRF ranking since 2016. The institute was ranked 151-300 in the Innovation Category during 2023. The Institute is ranked 18th in the 11th All India Engineering Colleges Survey - 2023 with an A++ grade and was among the top engineering colleges in South India. The Week-Hansen Survey for 2023 has ranked the Institute as 102. The Institute had QS I-GAUGE Gold certification in 2020 that was valid up to March 2023. A New Application has been submitted and is under evaluation process.

File Description	Documents
Paste link for additional information	<a href="https://jssateb.ac.in/pview/vision_mission">https://jssateb.ac.in/pview/vision_mission</a>
Upload any additional information	<a href="#">View File</a>

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

The Institute promotes participative management for proper functioning and runs on a decentralized management operative process. Ideas about academic goals, organizational progression, and better campus life are collected from all stakeholders to promote the efficient functioning of the Institute.

The Principal ensures quality education and promotes development through meetings, circulars, budget decisions, audited financial reports, and committee involvement in decision-making for the institute's overall growth. The Deans assist the Principal in administration, with senior faculty leading academic/administrative committees. Authority is decentralized and suggestions from stakeholders are collected, analyzed, and implemented to have a better culture. Departmental committees within departments make decisions, while the Department Advisory Board (DAB) provides input on all academic, research, and other matters. The Principal holds regular meetings to exchange faculty ideas and make decisions to enhance the student's academic performance. The budget allocation process involves the department heads receiving a circular from the Principal should prepare the requirements after discussing them among staff and forwarding them for scrutiny. The Institute's Annual budget is prepared during October by consolidating all the submitted documents from departments. The documents are then sent to the Director of Technical Education Division for approval. The budget is later allocated for institutions and departments that are approved by the Principal.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

A strategic plan aims to achieve excellence by optimizing resource utilization with management regularly reviewing compliance with both long-term and short-term goals. The institution plans holistic student development, including academic excellence recognition, industry-institute relationships, outcome-based education, faculty quality enhancement, R&D activities, innovation, entrepreneurial skills development, and improved placements and infrastructure. Strategic management focuses on long-term and short-term goals for an organization.

The college's student base and diverse education system contribute to its full potential, ensuring outstanding academic and personal skills. The management believes that the quality of teaching staff and the diverse education systems significantly contribute to the institution's full potential. To gain in-depth knowledge that will have an impact on research and teaching, management aims to increase the number of faculties with PhDs at all levels. In this regard, the management has launched several initiatives to attract faculty to pursue PhDs, namely providing fully paid leave to faculty pursuing PhDs, R&D staff, and students seeking to carry out research projects. The institute takes necessary steps to continuously expanding laboratories with state-of-the-art facilities and software. As a result of this initiative, the number of faculty completing PhDs during the evaluation period increased significantly.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

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.

JSS Academy of Technical Education, Bengaluru has various statutory and non-statutory bodies that fulfill their functions and responsibilities to uphold the institution's vision, mission, and core values. ? The Governing Council oversees administration, formulates academic objectives, guides achievement, and approves strategic plans, academic matters, and new budgets for the institution ? The institution has multiple committees, including the Finance Section, which prepares budgets in consultation with the Principal. ? The Principal oversees various divisions of the Institute, including establishment, accounts, administration, admission, budget preparation, and academic process, and is responsible for policy decisions from the Management and Governing Council.

? The Dean of Academics supports academic excellence, while the Dean of Research coordinates collaborative projects and maintains research culture. ? The Dean of Students Welfare manages a ragging-free campus, discipline, merit, scholarship matters, alumni affairs, sports, and grievances. ? Heads of Departments oversee the academic and administrative tasks of the respective departments. ? The recruitment committee oversees the process of hiring faculty and staff, ensuring they meet the department's specific requirements. AICTE rules are followed for promotions to faculty members along with a screening committee recommendations formed at the Institute. Non-teaching staff promotions follow management rules and Karnataka State Service Rules (KCSR).

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	<a href="https://jssateb.ac.in/assets/Organizational-chart.pdf">https://jssateb.ac.in/assets/Organizational-chart.pdf</a>
Upload any additional information	<a href="#">View File</a>

### 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	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

The Institute effectively implements various welfare measures for both teaching and non-teaching staff to ensure their well-being and promote growth. The following benefits are available to the teaching and non-teaching staff.

- Employee benefits, including a 12% Employee Provident Fund contribution, gratuity for five-year employees, group insurance, and accident coverage for both employees and their families.
- A woman employee is entitled to avail of 135 days of paid maternity leave. The staff comes under the ESI scheme entitled to avail of 180 days of maternity leave. Since the last year of 2022-23, a total of 02 woman employees have been benefited.

- Faculty members are sent to prestigious institutions to pursue Ph. D.s and are motivated to improve their qualifications and abilities. Faculty members are
- encouraged to participate in value-added programs by providing OOD.
- Regular teaching and non-teaching staff receive casual leave, earned leave, and special casual leaves.
- Transport services are provided at subsidized rates and annual student fees are paid in installments on a case-by-case basis.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

### 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

12

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 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

15

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	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

**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**

74

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

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

**Teaching Staff: Each faculty members performance is evaluated at three levels:**

- Self-assessment by the faculty
- Review by HOD and
- Final evaluation of decision by a screening committee.

The appraisal form contains general information, academic background, qualifications up to gradation, workshops attended during the year, teaching-learning-learning and evaluation-related activities, Co-curricular & extracurricular activities, research & publications, number of academic & research projects carried out, and other academic contributions. Non-Teaching staff: All non-teaching staff are assessed through annual performance appraisals and annual confidential reports. The various parameters for staff members are assessed under different categories i.e. discipline, consistency in regular duties, willingness, taking responsibility, leadership ability, quality of work, upgradation of qualification and skills. The comprehensive annual confidential report comprises 4 divisions such as

i). Personal details (8 parameters to be filled by the staff),

ii). Immediate superior report (9 parameters assessed by superior), iii). Review committee report (for acceptance/rejection)

iv). Communications record details with the staff for non-acceptable reports.

Each parameter is graded on a 1 to 4 scale i.e., Excellent, Good, Average, and Poor. The administrative officer and principal will further approve the annual confidential report before sending it to management for approval.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

#### 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



The Institute has system internal and external audits in place that are done for all the financial transactions annually to ensure financial discipline. This audit ascertains integrity, accuracy, consistency, transparency, and compliance of the institute's financial-related transactions.

**Internal Audit:** The management's internal audit committee regularly checks financial documents, and expenditure details, and ensures compliance with statutory taxes such as Income Tax, Tax deductions, Provident Fund, Insurance, Professional Tax, and Goods and Service Tax. **Settlement of Audit Objections:** The audit committee provides a detailed report on financial transactions, discrepancies, and objections, which are submitted to the principal for correction, clarification, and approval.

**External Audit:** According to the government's requirements, an external audit is carried out for the year 2022-2023 by Mr. T.P. Shivaprasad, a registered Chartered Accountant, and his team.

If the audit team has any queries or concerns about payments, accounts receivable, or stock discrepancies, they are addressed and resolved. The external audit team then prepares and submits a report to the Principal. The Principal presents this audited report to the members of the Governing council for approval. Once approved, the audit report is submitted to the commissioning authority.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

#### **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)**

7,95,799

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

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

The institute mobilizes the funds in several ways. Student Fee: The main source of income is the fees collected from students for various courses as per the directions of the Government of Karnataka. Other funding sources include grants from various organizations, philanthropic foundations, and industry consultancy services. The Institute's alumni are registered and pay an alumni fee, and donations of funds and equipment are received and used for the intended purpose. The Institute utilizes its facilities, including computers and classrooms, to mobilize funds for various government and non-government examinations, using a well-established cricket ground. Faculty members submit research proposals to funding agencies, and the funds received are used for the research purpose for which the fund is sanctioned. The institute offers various programs like Faculty Development and Staff Development, funded by the funds received from sponsoring agencies and participants. Toyota Kirloskar Motor Pvt. Ltd., M/s. Digital Shark Technology and Renalyx Pvt. Ltd. are partnering to establish labs, enhance faculty and student skills, and promote experiential learning. Optimum Utilization of Funds: The finance department manages recurring and non-recurring expenses, including salaries, maintenance, equipment procurement, and student training. Stock registers are maintained, and audited annually, and consolidated reports are submitted to the principal. The institute supports advanced equipment procurement and research grants for resource utilization.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

## 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

An academic Audit process is in place to ensure an effective teaching-learning process and qualitative measures. In semester 2 audits were conducted to strengthen the Teaching learning process. R&D Cell is strengthened and also conducted workshops on Effective Research Paper Writing, Drafting Project Proposals Identifying Trust Areas, etc. Project proposals were submitted to various funding agencies.

As part of students' skill enhancement schemes, the departments collaborate with various agencies and regularly conduct technical events, awareness programs, career guidance, and skill development courses. Feedback from students, parents, and other stakeholders on quality-related institutional processes is taken and actions are initiated from time to time as necessary. The meticulous preparation and timely submission of the Annual Quality Assurance Report (AQAR) and its online publication after NAAC endorsement are ensured by the IQAC. Furthermore, the IQAC coordinates alumni and Parent-Teacher Association meetings to facilitate engagement in association with the Alumni Association. Academic and Administrative Audit of departments are consolidated in various Formats by considering various quality-related parameters. Compilation and submission of data to AISHE, NIRF, QSQS I-GAUGE, and other agencies with participation in the 11th Chronicle Engineering Survey 2023 and NIRF.

File Description	Documents
Paste link for additional information	<a href="https://jssateb.ac.in/assets/IOAC-Annual-Report-2022-23.pdf">https://jssateb.ac.in/assets/IOAC-Annual-Report-2022-23.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

The Institute has undertaken various activities as per the recommendations from the NAAC during the first cycle and has taken some initiatives. To introduce Value Added Courses in all UG Programmes - Initiated. Strengthen collaboration with premier institutes and industries: The Institute has signed an MOU with IIT Guhawati and CDAC. The institute has set up a center of excellence on EV mobility center with M/s Dassault systems. Alumni association: The departments and the Institute's social media team are circulating the activities of the Institute to the Alumni regularly through LinkedIn and other social media platforms. Few of the events have been published in newspapers, (Vijayavaani, VijayaKarnataka, Prajavahini). Constant improvements are incorporated in TLP, Graduate Outcomes, and Public Perception parameters. There is a significant improvement in the Research Promotion area compared to the previous years. Industrial visits (7 nos.), Students' hands-on workshops (13 nos.), Industry expert talks (9 nos.), covering content beyond the syllabus, tutorial classes, etc. are taken up for a better understanding of the concepts by the students (TLP improvement). Expert talks on funding opportunities and how to write an effective project proposal were organized on 02.12.2022, resource persons were the senior scientists from DSIR, Govt. of India. Perception: Actions are in place to publicize the institute's information to the stakeholders and general public through social media.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	<a href="#">View File</a>

**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**

A. All of the above

**international agencies (ISO Certification, NBA)**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://jssateb.ac.in/assets/IOAC-Annual-Report-2022-23.pdf">https://jssateb.ac.in/assets/IOAC-Annual-Report-2022-23.pdf</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

**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

In an era of gender equality and women empowerment, the institution has implemented all the necessary measures to empower the female staff and students to excel in their personal and professional lives. The institution has 79 female teachers out of 159 and 34% of girls are studying on the campus. The utmost care and safety of the womenfraternity are ensured by educating them through extensive programs and awareness camps that are conducted by CICC. Girls Hostel is also located within the campus to ensure the safety and security of 322 residents with adequate infrastructural facilities, a warden and a residentwarden. Two security personnel, a woman and a gent, guard the hostel on 24x7 basis.

The Chairman and members of the Anti-Sexual Harassment Cell and Anti-ragging Cell constituted at the Institute keep vigilance throughout the campus and conduct awareness programs to educate the women fraternity to ensure their safety during their stay.

A separate common room has been allocated for girls and women faculty by each department to relax and rest for any short-

term ailments. All women employees are provided with Maternity leave as per the government rules with pay up to a maximum of two children 6 months.

File Description	Documents
Annual gender sensitization action plan	<a href="https://jssateb.ac.in/NAAC-2023/genderactionplan.pdf">https://jssateb.ac.in/NAAC-2023/genderactionplan.pdf</a>
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	<a href="https://jssateb.ac.in/NAAC-2023/Specific-facilities.pdf">https://jssateb.ac.in/NAAC-2023/Specific-facilities.pdf</a>

**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

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**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 campus has separate bins for Wet and Dry waste kept in the designated places on the campus and in the washroom.

- **Solid Waste Management:** Solid Waste generated on the campus is segregated into biodegradable and non-biodegradable waste. Biodegradable waste is converted into manure and Non-biodegradable waste is disposed of by authorized recyclers.
- **Liquid Waste Management:** Liquid Waste generated within the campus is treated using a Sewage Treatment Plant built on the campus with a capacity to recycle 2,00,000

liters per day. The waste generated is used for gardening purposes.

- **Biomedical waste management:** Separate bins are kept in the Girl's Washrooms and Girl's Hostel. A Biomedical Burning Machine installed in the Girl's Hostel burns biomedical waste in an environmentally friendly manner.
- **E-waste management:** Collected by the central Maintenance Department and disposed to M/s. E-Ward Recycling Private Limited under the Karnataka State Pollution Control Board which recycles waste in an eco-friendly manner.
- **Waste Recycling System:** Biodegradable waste from the Kitchen and garden is composted, and used as manure in the garden. All the Non-degradable Wastes are segregated at the source into E-Waste and Bio-medical Waste.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<a href="#">View File</a>

**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

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

A. Any 4 or All of the above

**1. Restricted entry of automobiles**

- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	No File Uploaded

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

**B. Any 3 of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

**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**

**C. Any 2 of the above**



**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**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

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).

**Techno-cultural events:** The Flagship program of the Institution i.e. Techno-cultural Fest Verve, is organized every year to provide an opportunity to young talents in the area of Technology, Sports, and Culture. This year Verve was conducted from the 8th-10th of June 2023 and was inaugurated by the CEO of Finetellix, Bengaluru, and Kannada Cine Artist Ganesh Rao. The program also facilitates the academic performers and faculty who are awarded with Doctoral Degrees. Catering to the cultural diversity of the student fraternity, over 3000 students participate in diverse events such as Dance, Photography, Beatbox battle, Shark Tan, Web design, etc. DJ show by Savio Mullen and Jonas Monteiro was also the highlight of the program.

**Ethnic Day:** The Institute celebrates Ethnic Day every year to relieve their customs and practices by wearing their traditional outfits. It is one such occasion where everyone rejoices creating special memories for their lifetime. Cultural programmes are also being arranged and the day concludes with the best attire being rewarded.

The following programs are also conducted by NSS Department to promote cultural harmony:

- Sadbhavana Diwas
- One Student One Tree campaign
- Medical and Blood Donation Camps
- Anti-Ragging Awareness
- International Yoga Day

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

The institute respects the rights of people and brings awareness about the rights of voters, and the constitution, inculcates Universal Human Values among the students and staff through programs organized by the NSS department every year.

The following days are being celebrated to educate the civilians on the campus about the rights, duties, and responsibilities as citizens of India: Sadbhavana Diwas was celebrated on 18-8-2023 with students and staff who took an oath to work in harmony irrespective of caste, religion, or language. Democracy Day was conducted as part of the NSS Activity on 15-9-2023 in the college for staff and students. During the program, the participants took an oath to abide by the constitutional rights and duties of Justice, Liberty, Equality, and Fraternity. National Voters Day was celebrated on 25th January 2023 where all the students and staff took a pledge to vote during the elections and be a part of government formulation. Constitution Day is observed on November 26 every year to commemorate the adoption of the Constitution of India on November 26, 1949. Students and

staff recite the preamble of the constitution of India and take an oath that they respect and adhere to the constitutional law.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://jssateb.ac.in/NAAC-2023/student-activities.pdf">https://jssateb.ac.in/NAAC-2023/student-activities.pdf</a>
Any other relevant information	Nil

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

C. Any 2 of the above

File Description	Documents
Code of ethics policy document	<a href="#">View File</a>
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	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

JSS Academy of Technical Education, Bangalore observes both National and International Days annually with due great respect and gratitude. Each year, the entire faculty and

student body convene at the college to honor a diverse array of national and international festivals. These celebrations have evolved into integral components of life, fostering unity while embracing discipline, patriotism, cultural richness, and ethical values. The college places significant emphasis on cultural and constitutional festivities within its extracurricular agenda. Throughout the academic year, students, under the guidance of their teachers, participate in various commemorations that enable them to explore diverse cultures and envision India's identity as a unified nation. The institution's academic calendar is replete with remarkable events, reflecting its fervent commitment to acknowledging a wide spectrum of national and international days, commemorative occasions, and festivals. Notably, the institution has observed significant national festivals such as Independence Day, National Science Day, National Engineers Day, Republic Day, Gandhi Jayanthi, Sarvodaya Day, alongside other pivotal celebrations including World Environment Day, NSS Day, Constitution Day, National Youth Day, International Women's Day, International Yoga Day, World No Tobacco Day, World Suicide Prevention Day etc.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	<a href="#">View File</a>
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. Title: Social Responsiveness Philosophy

#### 2. Objectives:

- Foster social belongingness among students and staff.
- Cultivate social responsiveness behavior in students and staff.

#### 3. The Context:

Social responsibility is an ethical theory in which individuals are accountable for fulfilling their civic duty, and the actions of an individual must benefit the whole of society.

#### 4. The Practice

- Academics: Adopting the OBE philosophy to address industry needs and societal desires.
- Students: Encouraging resource conservation awareness and societal program participation.
- Staff: Guiding students in executing socially responsive programs.
- Governance: Integrating social responsiveness into institute policies.

#### 5. Evidence of Success

- Funding for socially relevant projects.
- Recognition, scholarships, and environmental participation.
- Active involvement in energy, water, waste, and environment conservation.
- Support for experiential learning and socially responsive initiatives.

#### 6. Problems Encountered and Resources Required

- Engaging society members and continual adoption efforts.

##### Resources Needed:

- Diverse funding sources for scaling social responsiveness.

#### 1. Title: Strengthening Technical Competency via Online Courses

#### 2. Objectives:

- Enhance problem-solving and creative thinking skills.
- Develop advanced technical competency.

#### 3. The Context:

- Segmented task approach and academia-industry alignment.

**4. The Practice:**

- Encouraging NPTEL, Coursera, and MOOCs enrollment.

**5. Evidence of Success:**

- Number of faculty Completed certified courses - 40
- Number of students Completed certified courses-300

**6. Problems Encountered and Resources Required:**

- Time management and interdisciplinary course prerequisites.

Both practices aim to cultivate social responsibility and technical proficiency, facing hurdles like resistance to change and time constraints.

File Description	Documents
Best practices in the Institutional website	<a href="https://jssateb.ac.in/assets/INSTITUTIONAL-BEST-PRACTICES.pdf">https://jssateb.ac.in/assets/INSTITUTIONAL-BEST-PRACTICES.pdf</a>
Any other relevant information	Nil

**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

**National Science Week:**

The Department of Chemistry organizes National Science Week and Science Day every year to promote scientific investigation into natural phenomena. This is a week-long programme that is celebrated throughout the college consisting of Technical talks, Science Quizzes, and essay writing competitions. The event was conducted in February 2023 to bring out scientific talent and creativity. The program attracts students from schools and P U colleges

across the State who get exposed to the latest science and technology developments in the world.

The institution has initiated "Village Adoption Scheme", has adopted a village called Agara, and conducts many programs to educate students and formers, on the upgradation of skills, educating about health and Swachh Bharat, etc. Our institution has offered the "Datti Scheme", to provide financial assistance to needy students. On the occasion of Environment Day tree plantation on the campus was done. Each student on the campus has planted a tree/sampling/medicinal plant in the campus. To promote the Mission of Digital India, the college has introduced a Cashless Transaction System for students. In the context of the health and hygiene of girls' students, the college has installed "Sanitary Napkin Vending Machines with Disposal Machines".

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3.2 - Plan of action for the next academic year

#### Academics:

- Add-on courses need to be introduced and strengthened
- At least 50% of the student stake up more number of MOOC / Swayam
- At least 75% of the faculty to attend online/offline Orientation courses, Refresher courses, Faculty Development Programmes, Conferences, Workshops, Seminars and Skill oriented training programmes MOOC/SWAYAM
- Organize regular capacity-building workshops/training programs for the teaching and non-teaching staff.

#### Placements :

- Providing long-term internships with stipends (3 to 6 months) to the students might be absorbed by the companies for full-time employment.
- Strengthen the network using LinkedIn.

- Focus on industries such as Electronics and Mechanical (core companies).
- Encouraging Alumni Connect to get incredible help for campusplacement endeavors.
- Build relationship with Employers of the company by invitingthem as a guest for talks/events.

#### Industry-Institute-Interaction.

- Internship andCollaboratePrograms with Industry and institute
- Awareness about IPR among students and faculty by arranging Guest Lectures and Workshops
- Collaborative consultancy and patenting
- Strengthen Alumni Association and increase Alumni Engagement

#### Research

- Encouraging Faculty to publish in quality journals
- To pursue collaborative research, consider reaching out to researchers, forming relationships with institutions, and actively seeking out collaborations through conferences, grant proposals, and other professional networks.
- Improve cross-disciplinary integration.
- To promoteResearch culturein the Institute by sharing knowledge related to research and Development activities
- To strengthen the research base of the teachers and the students, hold seminars, tech talks, and conferences of national and international repute.

#### Student support system

- Strengthen the career counseling soft skill development programs and coaching training for competitive examinations
- Support students for applying scholarships