



## **YEARLY STATUS REPORT - 2022-2023**

### **Part A**

#### **Data of the Institution**

<b>1.Name of the Institution</b>		<b>Sapthagiri College of Engineering</b>
• Name of the Head of the institution		<b>Dr. H Ramakrishna</b>
• Designation		<b>Principal</b>
• Does the institution function from its own campus?		<b>Yes</b>
• Phone no./Alternate phone no.		<b>08028372800</b>
• Mobile no		<b>9880703600</b>
• Registered e-mail		<b>principal@sapthagiri.edu.in</b>
• Alternate e-mail		<b>iqac@sapthagiri.edu.in</b>
• Address		<b>Sapthagiri College of Engineering, #14/5 Chikkasandra, Hesaraghatta MainRoad, Bengaluru - 560057</b>
• City/Town		<b>Bengaluru</b>
• State/UT		<b>Karnataka</b>
• Pin Code		<b>560057</b>
<b>2.Institutional status</b>		
• Affiliated /Constituent		<b>Affiliated</b>
• Type of Institution		<b>Co-education</b>
• Location		<b>Urban</b>

• Financial Status	<b>Self-financing</b>				
• Name of the Affiliating University	<b>Visvesvaraya Technological University</b>				
• Name of the IQAC Coordinator	<b>Dr. R Harish</b>				
• Phone No.	<b>08028372800</b>				
• Alternate phone No.	<b>9448349733</b>				
• Mobile	<b>9448349733</b>				
• IQAC e-mail address	<b>iqac@sapthagiri.edu.in</b>				
• Alternate Email address	<b>rharish@sapthagiri.edu.in</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://sapthagiri.edu.in/uploads/75678131bb57bacb9fd95e13c7047a94.pdf">https://sapthagiri.edu.in/uploads/75678131bb57bacb9fd95e13c7047a94.pdf</a>				
<b>4.Whether Academic Calendar prepared during the year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://sapthagiri.edu.in/uploads/a5bf645f448c22dd0c866e41ef897aaf.pdf">https://sapthagiri.edu.in/uploads/a5bf645f448c22dd0c866e41ef897aaf.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A</b>	<b>3.02</b>	<b>2021</b>	<b>08/02/2021</b>	<b>07/02/2026</b>
<b>6.Date of Establishment of IQAC</b>			<b>15/04/2014</b>		
<b>7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>NA</b>	<b>ZERO</b>	
<b>8.Whether composition of IQAC as per latest NAAC guidelines</b>			<b>Yes</b>		
• Upload latest notification of formation of			<a href="#">View File</a>		

IQAC		
9.No. of IQAC meetings held during the year	4	
<ul style="list-style-type: none"><li>Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li></ul>	No	
<ul style="list-style-type: none"><li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li></ul>	<a href="#">View File</a>	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"><li>If yes, mention the amount</li></ul>		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
1.Conducted Faculty Development Program on, "Teachers Role in NEP-2020 Implementation" on 09/09/2022.		
2. Organized international Conference ICGCP-2023, "Global Convergence in Technology, Entrepreneurship, Computing & Value Engineering: Principles and Practices " from 5th to 7th May-2023.		
3. Prepared and submitted AQAR for AY 2021-22 and uploaded AICTE Mandatory Disclosure data for the academic year 2022-23		
4.Organized a Motivational talk for the faculty " Mentoring - Connecting with students on 25/11/2022.		
5.Organized a Demonstration /Technical talk on " Innovation in Electric Vehicle Technology and Entrepreneurial Opportunities " for final year students on 31/07/2023		
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
Planned to conduct International Conference ICGCP 2023 in the month of May 2023.	Organized international Conference ICGCP-2023, "Global Convergence in Technology, Entrepreneurship, Computing & Value Engineering: Principles and Practices " from 5th to 7th May-2023.
Compilation and Submission of Annual report AQAR for the AY 2021-22 in the month of December 2022	AQAR 2021-22 Preparation and Submission Compiled and submitted AQAR 2020-21 in March -2023
Preparation and uploading of Mandatory Disclosures for AICTE , AY 2022- 23	Preparation of Mandatory Disclosures completed and Uploaded in the month of July 2023 of
Review of students project proposals to KSCST Submitted proposals to KSCST 46th series 2022	Completed the submission of Proposals in the month of February 2023
Review and submission of Faculty Research Proposals to VGST for year 2023	Submitted proposals to VGST in the month of May 2023
Academic Audit of Departments for 2022-23	Completed academic audit of Course File, Personal file and Department files in the month of March 2023..
Collection and Review of Monthly activity reports from all the departments.	Monthly activity reports collected and Consolidated in the month of July 2023
Auditing of Proctoring system and document for the academic year 2022-23	Completed audit of proctoring file audit in the month of August 2023
<b>13.Whether the AQAR was placed before statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	

Name	Date of meeting(s)
Governing Council	08/03/2023

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

Year	Date of Submission
Governing Council 08/03/2023	08/03/2023

**15. Multidisciplinary / interdisciplinary****1. Multidisciplinary / interdisciplinary:**

a) Delineate the vision/plan of institution to transform itself into a holistic multidisciplinary institution

**1. Vision**

To be a best institution imparting quality engineering education to deal with community needs through learning and performance.

-To implement path breaking student centric education methods.

-To augment talent, nurture teamwork to transform to develop individual as responsible citizen.

-To educate the students and faculties about entrepreneurship to meet vibrant requirements of the society. -Strengthen Industry- Institute Interaction for knowledge sharing.

As highlighted in the above Vision/Mission statements, the institution not only imparts class room based learning in Engineering but also lays emphasis on other aspects such as Ethics & universal human values, the local and national tradition, Art & Culture and sports. Through NSS and other clubs students are involved in various activities related to Swatch Bharath, Blood Donation, Creating awareness about health & hygiene, Environment pollution control and other prevailing issues of society. Through

MOU's with reputed industries, students actively participate in internships, mini & major projects to strengthen Industry- Institute Interaction for knowledge sharing.

This ensures the transformation of institution itself into a holistic multidisciplinary institution.

b) Delineate the Institutional approach towards the integration of humanities and science with STEM and provide the detail of programs with combinations

Institution has offered following courses that integrates humanities and science with STEM.

**1. Communicative English**

2. Professional writing skills in English
3. Samsrutika Kannada
4. Balake Kannada (Kannada for communication)/
5. Constitution of India
6. Environmental Studies
7. Innovation and Design Thinking
8. Scientific Foundations for Health.
9. Universal Human values
10. Social Connect and Responsibility

c) Does the institution offer flexible and innovative curricula that includes credit-based courses and projects in the areas of community engagement and service, environmental education, and valuebased education towards the attainment of a holistic andn multidisciplinary education. Explain.

1. The institution offers flexible and innovative curricula that includes credit-based Courses as well as noncredit mandatory assignments like social connect and Responsibility, Universal Human Values, AICTE activity points and projects in the areas of community engagement and service, environmental education, and value-based activities towards the attainment of a holistic and multidisciplinary Education.

Following are a few projects related to community engagement and service

#### *Projects :*

##### 1. METRO PLATFORM SAFETY BARRICADE USING RECYCLED PLASTIC ROPES

The work aims to Increase platform safety in metro by the fabrication of platform safety device with a

Simple working mechanism easy to develop and operate. Material is made using waste plastic bottles. This device makes sure that the safety device allows the passengers to safely enter the metro rail.

##### 2. Self-Driving Automobile for disabled people using Machine Learning

Self-driving automobiles have the potential to revolutionize the way we live and travel. They can increase safety on the roads, provide transportation for those who cannot drive, and reduce traffic

congestion. However, developing a reliable self-driving automobile requires the use of advanced machine learning techniques and extensive data collection. This project presents an end-to-end model that simulates the behavior of a self-driving automobile using convolution neural networks (CNNs) on Indian driving data.

### 3. Greenhouse monitoring and controlling using Android mobile application

In agricultural country like India, greenhouses form an important aspect of agricultural and horticulture sectors. In greenhouses, plants are grown under favorable climatic conditions for its production and growth. Thus monitoring and control of greenhouse environment is necessary for production and management of greenhouses. The existing system has the ability to yet lack the ability to control indoor humidity. Green House Monitoring and Controlling is a complete system designed to monitor and control the humidity inside a green house. This software uses an Android mobile phone, connected using Wi-Fi to a central server which connects via serial communication to a microcontroller and humidity sensor. The result shows that the condition specified in sensor's datasheet and system in reality is appropriate. The achieved test result concludes that the system is working properly.

### 4. Li-Fi Technology based patient health monitoring and tracking system

With rapidly evolving technologies, their use and advancements sped up the development of Wi-Fi, which provides a claimed light commitment innovation Li-Fi is a technological advancement that uses driven light to help in information transmission. Since light can be seen practically anywhere, Wi-Fi allows for the communication of correspondence. Li-Fi is a component of optical distant communication, an emerging technology. We can transmit the health parameter to the appropriate location by using apparent light as a transmission medium. The upcoming and emerging innovation known as Li-Fi serves as a platform for various other upcoming and already existing advancements. With Wi-Fi and other technological advancements, light is not a viable hotspot for transmission in this innovation, making it incredibly advantageous and applicable in a variety of industries. Additionally, we use ML to forecast the occurrence of cardiac disease.

### 5. Spotting Pathogens on the plant leaf and furnishing remedies using CNN Algorithm

Plant disease detection offers a favorable step towards sustainable agriculture and disinfected crops. Early detection of disease in plants lead to control and management lead to improvement in the quality of crops as well as reduce the production losses. This work presents an approach that integrates image processing and machine learning for disease diagnosis by utilizing plant images. In this work, plant leaf disease, early blight are classified using various machine learning algorithms such as Support Vector Machine, K-nearest Neighbor and Decision Tree. The diseased leaf images are filtered using Gaussian filter and then, the desired Region of Interest is plant leaf disease, out of which support vector machine gives the best accuracy of 92.9%, It also gives the solution for plant disease by giving the estimation of amount of fertilizers and nutrients to be provided to the soil so that it reduces the disease in plants.

#### 6. Biosynthesis Of Silver Nanoparticles Using Citrullus lanatus And Their Antibacterial And Anti-proliferative Activity Against Lung Cancer Cells

Metallic nanoparticles are valuable materials. Metallic nanoparticles such as Ag (silver), zinc (Zn), Au (gold), palladium (Pd), copper (Cu) is used in many fields. It has its application in anticancer and antibacterial action in medical applications, bioremediation studies, cosmetics industry and electronics. There are various methods used to synthesize nanoparticles. These methods are biological, physical and chemical methods. Biological methods are more advantageous in the synthesis process as they do not contain harmful toxic substances and the cost is low. Biological sources such as plants, fungi, bacteria, algae are also used in the synthesis of nanoparticles.

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

Academic bank of credits (ABC):

a) Describe the initiatives taken by the institution to fulfill the requirement of Academic bank of credits as proposed in NEP 2020.

Academic bank of credits account has been created for all the students as proposed in NEP 2020. Each semester student have created their own ABC for the year 2022-23.

#### 17.Skill development:

Students develop Mini and Major project through which they

develop skills. Placement department organizes training programs for all the students to develop their soft skills. Also Skill development Programs are conducted by all the departments on regular basis for the students of the institution.

List of Skill based training programs

1. Hands on Training on, ' C- Programming
2. Six days course on " Spring and Hibernate"
3. Training on " Programming in Java and VLSI "
4. Domains in Simulation Engineering using Ansys Version 19.2
5. Workshop on Statistics Design of Biological Experiments and Clinical Trials
6. Training on Extract transfer load using Talend Tools
7. Certification course on Advanced Java programming
8. Skill enhancement course on IOT
9. Hands on session on Python Programming
10. Skill enhancement program on Data analytics
11. Skill development program on JAVA and VLSI
12. Hand on training on Animal Cell culture and its role in research and industry.
13. Workshop on Design thinking and Innovations.
14. Hackathon- to formulate solution on the given problem statement in various domains.
15. Synchron- Technical Events
16. Bio Fest - Technical Events
17. Certification program on Python Programming
18. Workshop on New technology in AI in Traffic studies
19. Tech - Verasu - technical events
20. Workshop on Python coding with application projects and solution
21. Skill development program on Embedded system , IOT and Sensor applications.
22. Bridge Course on " C++ and Java Programming".
23. Hands- on training CRISPR / CAS Gene editing potential tool in therapy and Diagnostics.
24. Workshop on Design of Highway Alignment using AutoCAD Civil 3D
25. Indusction Program -Hackathon and other technical events.

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

The college is affiliated to the Visvesvaraya Technological University. The curriculum includes teaching the local language during the third semester Samskrutika Kannada which highlights the

values and culture from a historical perspective. Further, the college conducts cultural programs on the occasions of religious festivals and state festivals. These are taken as opportunities to instill in students and staff a sense of patriotism and pride for the culture of the land. Students of the college, although principally belong the local region, there is a considerable fractyiopn of students belonging to many parts of the country. All these students get acquainted with the local culture as well as the different traditional art forms belonging to different states, such as music, dress etc. from these gatherings.

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

The college follows the curriculum provided by VTU. Whereas the classroom lectures are carried out as per the prescribed syllabus, there is flexibility in conducting curriculum related activities such as mini-projects, capstone projects, internships, and AICTE mandated activity points. These are designed to be in tune with the requirements of OBE. Students carry out mini-projects where they learn about circuits, sensors, optics, theoretical concepts but not part of the syllabus. Students are required to present and demonstrate their projects, which will make their understanding clearer as well as getting hands-on experience, and development of their communication skills.

#### 20.Distance education/online education:

All the classes were conducted in the offline mode, that is, in classrooms. However, in such cases where further instructions are needed, the concerned teaching staff members conducts online classes. They also share videos, lectures and useful learning materials on-line to enrich learning experience of students.

### Extended Profile

#### 1.Programme

1.1 340

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 2379

Number of students during the year

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

2.2 **181**

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 **682**

Number of outgoing/ final year students during the year

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

### 3.Academic

3.1 **129**

Number of full time teachers during the year

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

3.2 **129**

Number of sanctioned posts during the year

## Extended Profile

### 1.Programme

1.1	340
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	2379
Number of students during the year	

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

2.2	181
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	682
Number of outgoing/ final year students during the year	

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

### 3.Academic

3.1	129
Number of full time teachers during the year	

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

3.2	129
Number of sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	51
Total number of Classrooms and Seminar halls	
4.2	85.62
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	771
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

1. The institution ensures effective curriculum delivery through a wellplannedand documented process. Sapthagiri College of Engineering isan ISO 9001-2015 &14001-2015 certified Institution affiliated toVisvesvaraya Technological University (VTU) and follows the schemeand syllabus prescribed bythe university. However the curriculum isprepared by the Institution in line with Institution's Vision andMission. Calendar ofevents is prepared to include academicand Non academic activitiesprior tothe commencement of the academic year (AY),Timetable is prepared and circulated among faculty and students.

2. The course plan is prepared by the concerned faculty and deliveredthrough Chalk and Talk, PPTpresentations,use of illustrative models,ICT tools like NPTEL videos, projects, Google classroom and innovativeteaching methods like case studies, role plays etc.

3.Certification/Add on courses, guest lectures, webinars, skill development trainings and workshops are conducted with IQAC-approval to enhance students'knowledge in current trends.

4. Mandatory 1 credit courses like Constitution of India, Environmental studies, Universal Human values, Social connect and responsibility which integrates cross cutting issues like gender sensitization, environmental sustainability, professional ethics and human values are offered along with various activities through cells and clubs in this academic year.

5. The effectiveness of curriculum implementation is reviewed regularly by HODs and IQAC.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR1/111/1.1.1-Additional%20info.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR1/111/1.1.1-Additional%20info.pdf</a>

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

Sapthagiri College of Engineering is affiliated to the Visvesvaraya Technological University and the college calendar of events (COE) is prepared in line with the university calendar of events by including weekly working days, holidays, government holidays, internal assessment dates, practical examination dates, Parent-Teacher-Meeting schedule, sports day, cultural day, graduation day, last working day of the semester and is submitted to the Principal for approval by the Governing Council. Individual Departmental COE is prepared by including planned schedule for workshops, guest lectures and industrial visits. It is circulated among all staff and students and is uploaded in the college website for information and compliance. Lesson plan and Class time tables are prepared as per COE and distributed to the students through email / WhatsApp groups. Strategic Perspective Plan (SPP) is prepared by the respective department, cells and clubs in sync with the University COE. Timetable of Internal Assessment (IA) for both theory and Practical courses is prepared as per COE and is circulated among faculty and students well in advance, by the Examination Committee. IA is conducted, evaluated and results announced to both students and parents as per the schedule.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR1/112/Academic%20Celender%20Link.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR1/112/Academic%20Celender%20Link.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**

7

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>
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)**

7

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
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**

938

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

**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 Institution offers courses prescribed by VTU, integrating the cross cutting issues such as human values, professional ethics and environmental sustainability. In this Academic year students have been offered with four courses like constitution of India, Environmental studies, Social connect and Responsibility and Human values to inculcate human values and professional ethics. Various activities are conducted to imbibe core human values.

**Environmental Sustainability:** The institution offers Environment Studies course in the 3rd year of all programs. The course covers municipal and industrial waste water management, water supply and treatment engineering, biotechnology for sustainable environment. To address the issues related to human values and environmental sustainability, gender sensitization various activities have been conducted by NSS and (SAMARTHINI) Women Empowerment Cell. NSS Unit: Swachh Bharat Abhiyan, World Water Day,

health camps,exhibitions and voluntary blood donation camps.  
**SAMARTHINI-Women Empowerment Cell:** Various events to promote the participation of girl students in womens day celebration and invited lectures on women empowerment

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

**242**

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View File</a>
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

**2284**

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://sapthagiri.edu.in/designs/naac/AOA_R2022_23/CR1/141/141fbanalysisindex.pdf">https://sapthagiri.edu.in/designs/naac/AOA_R2022_23/CR1/141/141fbanalysisindex.pdf</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
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://sapthagiri.edu.in/designs/naac/AOA_R2022_23/CR1/141/141fbanalysisindex.pdf">https://sapthagiri.edu.in/designs/naac/AOA_R2022_23/CR1/141/141fbanalysisindex.pdf</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**

**508**

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

442

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

The institution assesses the learning levels of students prior to commencing teaching - learning process. The institution counsels the students soon after admission and they are categorized as advanced learners and slow learners based on their performance in the qualifying examination. Categorization is made based on the performance of students in the CIE and SEE. As mentioned in the SOP for slow and advanced learners students are monitored.

**Slow Learners:** The mentor, who acts as a guide and local guardian, counsels the slow learners, identifies the nature of their problems and motivates to perform better. Remedial classes are provided to enhance their performance. Peer learning, module wise question bank, & old question papers is shared. University question papers are solved. YouTube links and animated videos were shared.

**Advanced Learners:** The best performers of the Semester End Examination are identified as advanced learners. They are advised by the Heads / Senior Professors of the departments and mentors, to achieve better performance in their academics. They involve in Peer teaching, selected as Class representatives, participate in seminars/workshops/competitions. They are encouraged to get ranks and trained to get placed in core companies. They are felicitated also during Graduation Day.

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Advanced%20Learners%20%26%20Slow%20Learners.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Advanced%20Learners%20%26%20Slow%20Learners.pdf</a>
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
2379	129

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

To implement an OBE, experiential learning, participative learning and problem solving methods following methods are adopted. Project / Mini project / Internship Students are involved in real time and societal projects in the field of agriculture, automobile, pollution, etc. Many projects are funded by KSCST and a few innovative projects are published in newspapers. As part of curriculum deployment strategy, students are encouraged to attend the internship programs to enhance their knowledge and skills. Seminars are conducted to improve their communication and presentation skills. Industrial Visits / Field Trips. Technical Talks / Guest Lectures and Alumni Lectures are conducted. Peer Teaching and Peer Learning, The advanced learners are encouraged to explain their experience of problems solving to slow learners. Innovative Teaching Methodology, Teachers use ICT methods, PPTs, demonstration models, etc. Quiz / Puzzle help the students to prepare for the aptitude test or competitive examinations. Library Resources Language Laboratory Placement Training, The training on HR skills, group discussion, aptitude tests, mock interviews, etc., are provided by Placement Department. Publications, Students are motivated to bring out technical articles/ papers in association with faculty.

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

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

The following methods are adopted in the institution in teaching-learning process: 1. ICT methods like videos, PPTs, simulations, animations and quiz depending on the course and the situation to better understanding of subject. 2. Faculties used Zoom, Google Meet and uploaded videos in YouTube for students. 3. The faculty members has improved from the traditional blackboard teaching, by using the resources such as NPTEL, VTU e-learning, e-books, technical magazines and journals. 4. The students and teachers have participated in project work /technical seminar presentations to share their knowledge on the current topics. 5. The institution provides modern teaching aids coupled with required equipments for the laboratories and classrooms. The institution has provided 47 ICT enabled classrooms, including 04 smart classrooms. 6. The institution has provided 16 Laptops to various departments. 7. LAN with internet facility and Wi-Fi facility with 100Mbps internet band width is available. 8. The institution has digital library, which helps the students to access NPTEL (National Program on Technology Enhanced Learning) lectures and study materials. 9. The e-copies of the faculty notes and e-books are available in the Library.

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**

95

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

129

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
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

23

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

742

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 institution is affiliated to Visvesvaraya Technological University (VTU) and follows the Rules and Regulations for the assessment and evaluation processes. The students' performances are evaluated through formative assessments and summative assessment. Transparent Assessment The institution's follows academic calendar. Faculty prepares question paper and scheme of evaluation which is scrutinized by the department Academic Committee. The IA tests are written in bluebooks and evaluated as per the schedule. The scheme of evaluation is shared with students while distributing blue books and issues if any, connected with evaluation are resolved. The assessed marks are submitted to the concerned department and in turn sent to parents. Robust Assessment: Classroom interactions 1. Question and answer sessions 2. Oral quiz 3. Unit test 4. IA test 5. Assignment Classroom activities 1. Peer teaching 2. Peer learning 3. Problem solving 4. Brainstorming sessions 5. Seminar presentation 6. Group presentations Activities outside the classroom 1. Industrial visit Internship 2. Technical paper presentation 3. Participation in college events / committees Participation in online courses 4. Case studies 5. Hands-on workshop Summative Assessment The SEE for both theory and laboratory courses are held as per University timetable.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Mechanism%20of%20Internal%20Assessment.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Mechanism%20of%20Internal%20Assessment.pdf</a>

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

and efficient

The institution follows the University guidelines for the formative assessment / CIE and summative assessment/SEE. The Examination and Evaluation Committee handle the examination related grievances as per the SOP. The University Rules & Regulations are briefed to all students in the orientation program conducted at the beginning of the academic year. The circulars and notices are communicated to all the students on time. All the grievances related to internal and University examination/ evaluation are addressed in a transparent, time bound and efficient manner and resolved at different levels. Institution Level Grievances Most of the internal examination related grievances are about laboratory, assignments, internal marks, improvement test, change of project title / batch, project presentation, technical seminar, etc. The pattern of question paper and syllabus for each test is communicated to the students well in advance by the teachers / class teachers. The scheme of evaluation is shared with students while distributing blue books and also discussed to clarify doubts and for grievance redressal, if any. University Level Grievances The University level grievances include issues like name correction, USN generation, examination application filing, hall ticket generation, announcement of results, revaluation results, mark cards, photocopy, degree certificates etc.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Greivances%20ECE.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Greivances%20ECE.pdf</a>

## 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.

The institution has adopted the Outcome Based Education (OBE) in its teaching, learning and evaluation process and strives for continuous improvement. POs, PSOs & COs for all the programs offered by the institution are displayed on the college website- department wise, from the first year to the fourth year. Mechanism of Communication The PO and PSO are briefed to the students at the beginning of the semester. The Course Outcomes are briefed by individual course teacher in the first class at the beginning of the semester. Program Specific Outcomes and Course Outcomes are displayed in the following ways: Display boards in various

departments, classrooms and corridors Department notice boards / laboratory notice boards Project diary / lab manuals Awareness programs by IQAC. COs through course wise discussion in the classroom Lesson plan Internal assessment test question papers

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/CO%20BPO%20Mapping.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/CO%20BPO%20Mapping.pdf</a>
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 institution has adopted OBE in its teaching, learning and evaluation process and strives for continuous improvement. The curriculum, assessment and evaluation are the major tools by which learning outcomes are attained. The COs are mapped with POs and PSOs for all courses in all the programs. The mapped matrix is available in website. The results of SEE conducted by the University and the CIE conducted by the institution, are used as input for calculating attainments of all the outcomes. All attainments are calculated and evaluated using the Microsoft excel sheets. Direct Assessment Methods Internal assessment tests Assignments Unit tests Quiz Laboratory exercises Seminars Internship Projects Semester end examination Indirect Assessment Methods Course end survey Program exit survey Alumni survey To evaluate the attainment of POs and PSOs, the results of CO attainment, formative assessment, exit survey, alumni survey etc., are used. The final PO and PSO attainment is calculated for the particular graduated batch with a corresponding scheme by considering the weightage as Direct assessment-80% Indirect assessment-20% To calculate attainment for a course, the target is fixed. Necessary action plan is initiated to take necessary action to attain the target.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/CO-PO%20Attainment.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/CO-PO%20Attainment.pdf</a>

### 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

654

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	Nil

### 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://www.sapthagiri.edu.in/designs/naac/AQAR2022\\_23/CR2/Student%20Satisfaction%20Survey-%20Questionnaire.pdf](https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Student%20Satisfaction%20Survey-%20Questionnaire.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)

4.18

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**

2

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**

7

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	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR3/311a.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR3/311a.pdf</a>

**3.2 - Innovation Ecosystem**

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

All departments encourage their students to participate in various competitions at National / International level every year. Students are done their innovative projects with interest and have won awards and appreciation.

Intelligent System for surveillance and intrusion of animals at multiple locations in farmland using convolutional neural network and IOT:

The proposed system is based on Artificial Intelligence, Convolution Neural Networks, Internet of Things, Real time embedded system and object detection. Running a real time object detector with YOLO Algorithm with custom trained models to

identity the most suitable animal recognition platform to be integrated with the ultrasound generator.

#### Efficiency Enhancement of wind turbine using MAGLEV Technique:

A revolutionary levitation concept is included into the design of a vertical axis turbine. It is more competitive than its cousin in terms of efficiency, price, and power output.

#### Li-Fi Technology based patient health monitoring and tracking system

Li-Fi is a technological advancement that uses driven light to help in information transmission. The health parameter can be transmitted to the appropriate location by using apparent light as a transmission medium. In addition, ML is used to forecast the occurrence of cardiac disease.

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

13

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

1

File Description	Documents
URL to the research page on HEI website	<a href="https://sapthagiri.edu.in/researchanddevelopmentin?type=biotech">https://sapthagiri.edu.in/researchanddevelopmentin?type=biotech</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

22

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

39

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 institution has established various clubs, committees and cells like NSS, ECO Club, Community Club, Equal Opportunity Club, Human Rights Club, Women Empowerment Cell, Prevention of Sexual Harassment Cell and Health Club involved in social activities and to inculcate social responsibility and service mindset.

The following activities are carried out to sensitize and impact the students about social issues and holistic developments.

1. The NSS unit in association with Dept. of ME and CV have arranged Swachh Bharat Abhiyan on 13/03/2023 in which the students of the institution have participated.
2. The NSS unit of the institution have organized International Yoga Day to create awareness on yoga among students on 21/06/2023 in which the students of institution had participated in large.
3. The NSS unit and Akhil Bharatiya Terapanth Yuvak Parishad have also organized Mega Voluntary Blood Donation Camp on 17/09/2022 in the campus of institution in which the students in large have participated.
4. The NSS unit has hosted Indian Constitution Day on 26/11/2022 to create awareness on Indian constitution among the students. A large no of students have participated in it.

The NSS unit, ECO club and Health club have also celebrated various important commemorative days, such as, Sadbhavana Diwas, Constitution Day, National Voters Day, Mathrubasha Divas, Anti-Terrorism Day and International Yoga Day on the earmarked days.

File Description	Documents
Paste link for additional information	<a href="#">NIL</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

1

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**

7

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**

771

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

2

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

37

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
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.

The institution provides adequate facilities as per the norms of AICTE and VTU. The campus is spread across 6.08 acres with 17449sq.meters built up carpet area.

Following are the details of infrastructure facilities:

#### ClassRooms and Smart Class Rooms:

The institution has 50 class rooms out of which 47 class rooms are equipped with ICT enabled facilities and four rooms are equipped with smart interactive boards.

#### Laboratories:

There are 52 Laboratories equipped with an adequate number of equipment and machines.

#### Seminar Hall and Auditorium:

The institution has two seminar halls which are used for conducting guest lectures, seminars etc. In addition to this, there is an ICT enabled auditorium with a seating capacity of 300.

Computing Equipment: The institution has 805 computers and an adequate number of peripheral devices.

#### Internet and Wi-Fi:

The entire campus is enabled with Wi-Fi of 100 Mbps speed.

The institution offers:

Placement facility through active fully fledged Training and Placement cell.

Fully furnished hostel facility for both boys and girls.

A fully automated library that extends its facility to students and staff.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/413a.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/413a.pdf</a>

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor),

gymnasium, yoga centre etc.

**Cultural Activities:** The institution has a state of the Art amphitheatre with a seating capacity of 2500 to conduct various college co-curricular and extracurricular activities. The institute provides students with all modern and classical musical instruments.

**Sport and Games:** The institution provides adequate facilities for ensuring physical education activities to keep the students physically fit and healthy. The institute has indoor and outdoor sports facilities including a gymnasium and yoga centre.

The following is the list of various indoor and outdoor facilities available for the students on the campus.

**Indoor facilities: 1.**

Chess boards - 07 2. Carrom boards - 04 3. Gymnasium and Yoga center - 01 4. Table Tennis board - 01 Outdoor Facilities: 1. Cricket field - 01 (Ø100 mts) 2. Volley Ball court - 01 (18x09 mts) 3. Basket Ball court - 01 (28x15 mts) 4. Hand Ball court - 01 (40x20 mts) 5. Throw Ball court - 01 (12x18 mts) 6. Kabaddi court - 01 (13x10 mts) 7. Kho - Kho court - 01 (30x19 mts) 8. Ball Badminton court - 01 (12x24 mts) 9. Athletic Track - 01 (200 mts) 10. Football court - 01 (Ø90 mts)

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpd iI6Ik9jYnJMeU1TOFR0akRUMStgalNpZXc9PSIsInZ hbHVlIjoicVJ2T0Q0ekw3aWRKcEFVMDFuYjc1RnJXR E9RZnNrR0Rvb0RxTC9tcGVhRk45R2JuZGFnVis4ZlY zeE5FblhXTCIsIm1hYyI6IjcxMDc3ZGIwMjgyODE5Y TU0NjJkOWMyY2M0YzY0NWEyYjY3NTFhYjBhMGMwYmQ 0YTg4N2Y0ZGFjMTg2OTc0OGQiLCJ0YWciOiIifQ==">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpd iI6Ik9jYnJMeU1TOFR0akRUMStgalNpZXc9PSIsInZ hbHVlIjoicVJ2T0Q0ekw3aWRKcEFVMDFuYjc1RnJXR E9RZnNrR0Rvb0RxTC9tcGVhRk45R2JuZGFnVis4ZlY zeE5FblhXTCIsIm1hYyI6IjcxMDc3ZGIwMjgyODE5Y TU0NjJkOWMyY2M0YzY0NWEyYjY3NTFhYjBhMGMwYmQ 0YTg4N2Y0ZGFjMTg2OTc0OGQiLCJ0YWciOiIifQ==</a>

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

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/4.1.3%20Timetable.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/4.1.3%20Timetable.pdf</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)

71.8

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

**Library and Information Centre:**The institution has a fully automated library, in 2013, of 724 sq.marea,withstafffor everyday transactions, procurement,maintenanceof digital resources, etc.It uses opensource e-Granthalaya softwareversion3.0 for acquisition,cataloging, circulation, procurement,serial control modules, and Online Public Access Catalog (OPAC). Allthe library documents are bar-coded and are issued using bar-codescanning.The library containsbooks, magazines/newspapers forthecomprehensive development of students and is kept on separateracks. Features of e-Granthalaya:

1. Minimum user interactionfor storageandbackup.
2. Easy and effective maintenance of data on booksandjournals.
3. Simplified

search facility for the location of books and to identify users through OPAC. 4. Ease of cataloging of books, articles, serial publications, etc. 5. Statistical analysis of transaction data. 6. Acquisition module for generating accession register reports, adding student records, updating item lending policy and its status.

**Facilities:** 1. SC/ST book bank-students can borrow two books each semester. 2. Digital Library URL: <http://192.168.1.222:8080/jspui/>  
**Resources:** 1. Previous year question papers 2. e-books/e-magazines 3. Study materials 4. Rare books  
<http://192.168.1.222:8080/jspui/handle/123456789/4115> 5. Library Newsletter Weblink for e-granthalaya <https://egranthalaya.nic.in/Delnet>: <http://164.100.247.30/> OPAC: <http://192.168.1.102/opac/>  
 Repositories of SCE: <http://192.168.1.222:8080/jspui/> web-page: <https://sapthagirilibrary.webs.com/> e-resources subscribed through VTU Consortium: <https://sceb.mapmyaccess.com/>  
 Number of titles/volumes: 5791/29246

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/4.2.1_Title_Volumes_Books.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/4.2.1_Title_Volumes_Books.pdf</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)**

18.67

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

58

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

**Frequency of Update: Academic Year 2022-23:**The institute procures software from Microsoft (MS) for the upgradation of computing systems including PCs and servers. MS 365 App is upgraded on all PCs for the benefit of all staff. Peripheral devices like printers, scanners, projectors, UPS, smart boards, are upgraded/replaced as per requirements. CC-TVs, Bio-metric attendance monitoring system, accounting, and admission recording systems are upgraded regularly. Sonic-Wall-NSA-2700 is installed and upgraded regularly on all digital computing systems for their protection. The institute procures various accessories such as D-link, switches, webcams, graphic cards, RAM chips, etc as per requirement. Internet & Wi-Fi: The institute has a dedicated Rail-tel line of 100Mbps capacity to serve the internet requirements. Rail-tel is required to ensure 24x7 internet connectivity. The total number of computers with a LAN facility is 805. The institute has 60 Wi-Fi access points for enabling internet connectivity for the entire campus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/4.3.1.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/4.3.1.pdf</a>

#### 4.3.2 - Number of Computers

779

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

84.75

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

**Utilization and Maintenance of Laboratory:** Laboratory sessions are conducted as per the curriculum plan. A logbook is maintained for monitoring and usage of the equipment. The laboratory equipment/measuring instruments are periodically inspected/calibrated and preventive maintenance is carried out by technicians. **Utilization and maintenance of Library:** The Library Committee of the institution monitors the procurement and follows up on maintenance and effective utilization of the library resources. The binding of documents and reconditioning of old books is also a part of the library maintenance.

**Utilization and maintenance of Sports Complex:** The Physical Education Director (PED) along with departmental faculty coordinators meet regularly to discuss sports-related issues such as planning and organizing inter and intra-college events and procurement of sports facilities. The PED also takes care of the maintenance of all sports facilities. **Utilization and Maintenance of Computers:** The computer laboratories are used by the students and faculty as per the schedule of each department. The Department of Computer Science and Engineering maintains all computing-related systems. **Classroom Utilization and Maintenance:** The classrooms are utilized as per the schedule prepared by the department and Campus Maintenance System (CMS) committee takes care of the maintenance of various physical facilities.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpd iI6Ik9ldFkxUU0vU0FNM1BnMzJGVzVNd3c9PSIsInZ hbHVlIjoiblovceVyeVolalpmKzNPYVZiOXp2SHk4c Dk3RjczRjRNbkNSajNUWWZmQWM0d3AxYU10OWh1U1A rU2xZV0dJZCIsIm1hYyI6ImQxYzdjN2UxOTU5ZmZmY WU0NWNhZWZhMTg3MjExMjFiNDQ4MWIzM2E2YWEyYTE wMGM5YjcwYzVmZWQ4YzRmOWQiLCJ0YWciOiIifQ==">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpd iI6Ik9ldFkxUU0vU0FNM1BnMzJGVzVNd3c9PSIsInZ hbHVlIjoiblovceVyeVolalpmKzNPYVZiOXp2SHk4c Dk3RjczRjRNbkNSajNUWWZmQWM0d3AxYU10OWh1U1A rU2xZV0dJZCIsIm1hYyI6ImQxYzdjN2UxOTU5ZmZmY WU0NWNhZWZhMTg3MjExMjFiNDQ4MWIzM2E2YWEyYTE wMGM5YjcwYzVmZWQ4YzRmOWQiLCJ0YWciOiIifQ==</a>

## 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

1583

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

162

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://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR5/513/INDEX513.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR5/513/INDEX513.pdf</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**

**26**

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

**26**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited 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**

**A. All of the above**

**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**

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

479

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

12

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
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**

14

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
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.**

19

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
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 )

Class representatives from each class are the academic members of the Student Council who are selected in front of their peers. The other type is the voluntary participation of students in various committees who are a part of student council. The Student Council members interact with various committees and are also encouraged to be the volunteers for various events. The council members for each activity drive the events in coordination with committee representatives.

The Committees taking care of Co-Curricular Activities of the Institution having students' representatives are:

1.Add on course committee

2.STUTI-Career Guidance & Placement cell

3.Library Committee

4.R&D, Entrepreneurship committee and incubation centre

The committees taking care of Extra-Curricular Activities of the Institution having students' representatives are:

1.Sports Committee

2.Cultural Committee

3.HASIRU- Eco club

**4.Health club****5.National Service Scheme-NSS****6.Grievance Redressal Committee****7.SAMARTHINI-Women Empowerment Committee****8.PRATHIRODHANA-Prevention of Sexual Harassment Cell****9.ASHRAYA-Parents Teachers Association**

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR5/532/index532.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR5/532/index532.pdf</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****36**

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

The SCE has a strong network of Alumni to strengthen Industry-Academiabonding, namely"Sapthagiri College of Engineering Alumni

Association (SCEAA)" is established in 2011 and registered under the Karnataka Societies registration act, 1960 bearing registration no. DRB-N/SOR/89/2011-2012, Dated: 28/06/2011, Bangalore, Karnataka. Many of our alumni have excelled in the field of Academia, Industry, and Bureaucracy, and thus brought laurels to the institution. The association acts as a platform, to connect and share interactive sessions/workshops to motivate students about the latest trends in technology, internship, employability, and higher educational opportunities in India and abroad. They also contribute to developing interpersonal and managerial skills. The Association helps in improvising the curriculum by their valuable feedback about the industry need to increase employability. The association aims to bridge the institution and the alumni by organizing regular meets and encouraging alumni to contribute to the growth of the institution. Alumni also take part in decision-making as members of IQAC.

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR5/54/ALUMNI_FINAL.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR5/54/ALUMNI_FINAL.pdf</a>
Upload any additional information	<a href="#">View File</a>

#### 5.4.2 - Alumni contribution during the year E. <1Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	No File Uploaded

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

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

The vision of the Institution To be a best institution imparting quality engineering education to deal with community needs through learning and performance The mission of the Institution:

To implement path breaking student centric education methods. To augment talent, nurture teamwork to transform, to develop individual as responsible citizen. To educate the students and faculty members about entrepreneurship to meet vibrant requirements

of the society. Strengthen Industry-Institute Interaction for knowledgesharing. Sapthagiri College of Engineering, Bengaluru was established by SriSrinivasa Educational and Charitable Trust in the year 2001. The Management has constituted the Governing Council (GC) which includes Chairman, Managing Director, Eminent Personalities nominated by the Government, faculty representatives, the principal being the Member Secretary. Internal Quality Assurance Cell (IQAC) mandates the departments as well as various Committees/Clubs/Cells to prepare their strategic perspective plan (SPP), and obtain the approval of the Governing Council (GC), which needs to take care of all the quality needs of the students and for their holistic development. The Management supports all the stakeholders to achieve the vision and the mission of the Institution. The College Council (CC) is authorized to approve academic issues of the institution.

File Description	Documents
Paste link for additional information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpd iI6IlFlVUZnRXl1ZU54eU52bnI2QkhCVke9PSIsInZ hbHVlIjoiUkNZNnBIK1hDZU1STHh3OFd2VjZzNzN6R S90cE5uTWE0clJWcmNQVVREYmF2NVduVlFZZGV0MkJ DWTfIV0VleSIsIm1hYyI6ImFkOGRkNGE5OTExMzJiN TQ3MWM5YjVhYjAzM2NmZmQwYjhlNDdlOTkzNzg1NTR hYTI1MjM5NmFlNDg2ZTMzN2EiLCJ0YWciOiIifQ==">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpd iI6IlFlVUZnRXl1ZU54eU52bnI2QkhCVke9PSIsInZ hbHVlIjoiUkNZNnBIK1hDZU1STHh3OFd2VjZzNzN6R S90cE5uTWE0clJWcmNQVVREYmF2NVduVlFZZGV0MkJ DWTfIV0VleSIsIm1hYyI6ImFkOGRkNGE5OTExMzJiN TQ3MWM5YjVhYjAzM2NmZmQwYjhlNDdlOTkzNzg1NTR hYTI1MjM5NmFlNDg2ZTMzN2EiLCJ0YWciOiIifQ==</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 effective leadership is visible in various institutional practices such as decentralization and participative management.

The Institution is supportive of decentralization in governance. The SPP with the necessary budgetary provisions is prepared by IQAC in consultation with all the departments, cells, and clubs in which teaching, non-teaching staff, and students are members. The list of these members is submitted to the GC. The Principal acts as a liaison between the Management, GC, CC, and other stakeholders. Requirements like aesthetic classrooms, seminar halls, laboratory equipment, library infrastructure, functional furniture, and fittings for e-learning are addressed. In addition, safety and security, water facility, health care, sports

(indoor/outdoor) facilities, canteen, hostel facility for boys & girls are also taken care of. The principal as chairperson of IQAC reviews the implementation of SPP with the help of various committees/cells/clubs. As members of IQAC, SCEAA is also involved in the implementation and overseeing of SPP. association and industry experts as stakeholders are also involved in the implementation of SPP through their valuable feedbacks. Hence the Management, the GC, the Principal, teachers, nonteachers, students, parents, and Alumni, and industry experts participate in the governance of the institution.

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.1.2/6.1.2%20Index.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.1.2/6.1.2%20Index.pdf</a>
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

The college IQAC prepares the strategic perspective plan (SPP) and budget by involving all the stakeholders of the Institution at the beginning of each semester in line with University and Institutional Academic Calendar and gets the approval of the governing council (GC). Planned programs of SPP are effectively deployed through the Departments and Committees/Clubs/Cells. Deployment of SPPs is monitored by IQAC through the Action Taken Report (ATR) and the Annual Report submitted at the end of each semester. The ATR submitted by the various Departments, Committees/Clubs/Cells are carefully analyzed by IQAC and recommend a few actions to be taken in the forthcoming Academic Year. The activity of STUTI-Career Guidance & Placement Cell supplements and complements the gaps in the curriculum. It conducts training programs and workshops to inculcate skills required for inter-and intra-personal, leadership development, which helps them to become good and responsible citizens. STUTI conducts systematic training for competitive examinations, and career counseling, from their second year. STUTI maintains a good and strong relationship with the industries across the country, which has resulted in an impressive placement record. STUTI is in constant touch with prospective employers to ensure good placement for SCE students. On-campus interviews and career fairs are regular features at the Institution.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.2.1/SPP_2022_23.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.2.1/SPP_2022_23.pdf</a>
Upload any additional information	No File Uploaded

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.

The organization has a well-structured administrative setup with GC as the highest decision-making body. The GC is headed by the Chairman of Sri Srinivasa Educational and Charitable Trust. The GC also consists of eminent persons from the society, members nominated by AICTE/VTU/DTE, senior professors of SCE. The principal is Member Secretary of GC. All these members are included in the GC by proper resolutions. The college-level operations are implemented by the CC, which consists of all HODs, Office Superintendent, Librarian, Placement Officer, and PED as its members. IQAC which functions independently under the Principal's directions acts as a watchdog regarding quality aspects of the Institution. IQAC has been set up as per the norms of UGC.

**Functions of Various Bodies:** Various Committees/Clubs/Cells play a vital role in the conduct of various programs as per SPP to cater to both academic and nonacademic activities of the Institution. **Administrative Setup** – The institution consists of Admission Section, Establishment Section, Examination Section & Accounts Section, headed by Office Superintendent, who reports to the Principal concerning office administration. The organogram of the administrative setup is given as a link.

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.2.2/Index%206.2.2/6.2.2.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.2.2/Index%206.2.2/6.2.2.pdf</a>
Link to Organogram of the institution webpage	<a href="https://sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.2.2/Organograms.pdf">https://sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.2.2/Organograms.pdf</a>
Upload any additional information	No File Uploaded

### 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 inter faces	<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 management of the Institution provides quality-embedded human resources for ensuring the welfare of its staff. The teaching and non-teaching staff are regularly trained to add value to the worth of the human resources. Regular FDPs are conducted for both the teaching and non-teaching staff. Conveyance facilities and canteen facilities are provided at a nominal/subsidized cost. An important welfare measure is providing medical facilities for all its staff and students at Sapthagiri Hospital. All the employees both teaching, non-teaching, including the students are given free consultation, and for treatment are covered under Group Insurance.

The details of welfare measures provided by the Management are uploaded.

File Description	Documents
Paste link for additional information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpd_iI6IjdKL1Q3UkZyMU5YREhOOWkxR25yUUE9PSIsInZhbHVlIjojWXJONTUyYm00VzRrNm5uVXRyRjVlaFEuTFRGK25sd1B5WkVGRklva1BjdFFiNTBCVDB5ZWVkr3JocDFXV0MyYyIsIm1hYyI6IjQ3N2JkMDhiOTc5NDdhNGNlMzMzMzQyOGYwNjA2M2Y4ZDFhNGM5NTZjYzZjNzIwZTJkMDA4ZDFmMDMlMThjZGMiLCJ0YWciOiIifQ==">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpd_iI6IjdKL1Q3UkZyMU5YREhOOWkxR25yUUE9PSIsInZhbHVlIjojWXJONTUyYm00VzRrNm5uVXRyRjVlaFEuTFRGK25sd1B5WkVGRklva1BjdFFiNTBCVDB5ZWVkr3JocDFXV0MyYyIsIm1hYyI6IjQ3N2JkMDhiOTc5NDdhNGNlMzMzMzQyOGYwNjA2M2Y4ZDFhNGM5NTZjYzZjNzIwZTJkMDA4ZDFmMDMlMThjZGMiLCJ0YWciOiIifQ==</a>
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

5

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**

08

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	<a href="#">View File</a>
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

64

File Description	Documents
IQAC report summary	No File Uploaded
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

The Institution has put in place a well laid-out Performance Appraisal System. The staff members perform self-appraisal which will be reviewed by the concerned Head of the Department and Principal. The self appraisal scheme is designed to evaluate the

staff in terms of parameters like teaching, research, participation in curricular and co-curricular, and extra-curricular activities. On similar lines, self-appraisal, and review are performed periodically. In addition, individual faculty members have to set their own goals at the beginning of the academic year in a format provided by IQAC. The goals achieved at the end of the academic year, with the comments of HODs are reviewed by the Principal. The students' feedback taken on faculty, non-teaching staff such as administrative staff, laboratory instructors, drivers, and canteen staff is analyzed and sent to respective HODs for their comments, which subsequently will be brought to the notice of the Principal for review. Further actions are initiated depending on the remarks of the higher authorities in the form of giving facilities to improve the knowledge of the individual/appreciating the best performer and taking necessary action against unsatisfactory performers.

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.3.5/Feedback.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.3.5/Feedback.pdf</a>
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 institution conducts internal and external financial audits regularly. The institute considering the budget/SPP received by the departments/consame to the principal for further action. Management provides data on financial availability of funds, which enables them to achieve the institutional out by an in-house team making use of standard procedures on regular basoftware, etc, the institution follows a standard system of inviting ququality, and preparation of purchase orders for every purchase. All expapproval of HODs and the principal. The institution has appointed M/s SNO: 0080948 as an external auditor. The auditor audits the annual accoucollection against the list of admitted students as per the approved liprepared by the institution is checked by the auditor with reference todiscrepancies found in the statement will be rectified as per the direccarried out for every assessment year.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
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)

**NIL**

File Description	Documents
Annual statements of accounts	<b>No File Uploaded</b>
Any additional information	<b>No File Uploaded</b>
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

##### **Mobilization of Funds:**

**Most of the funds required by the institution are met out of**

**internal generation from fees. Apart from this, the institution delegated financial powers to the Executive Director who oversees and manages financial resources. The Karnataka Government regulates student fees. Over and above the fees fixed by the Government, the institution charges additional fees based on the infrastructure, faculty strength, and sanctioned students' strength.**

**The other sources of income include transportation, admission,application, examination, hostel fee, etc.**

**The Institution lends on a payment basis its infrastructure to**

**external agencies for conducting examinations like COMEDK, GATE, and CAT. Strategies for optimal utilization of resources: The**

institution lends its resources on the premises for activities like short film shooting, feature film shooting, sports meet, audio and video releases of films, etc. The institution's hostels are used to accommodate students who come to attend sports-meet and conferences. The internal and external audit serves the purpose of optimal utilization of funds.

File Description	Documents
Paste link for additional information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpd iI6IlZWdTZzeWlmWWdnSlEwcjkvNnRweLE9PSIsInZ hbHVlIjoiREU4KzhZaWMvVFRDYVpUNlMvNWpZNk80Z m1OaHQ2VDBaRVhWVmdyMzVCYitrRXptdE9reVIldGd 4WWYzM2RtKyIsIm1hYyI6IjZiOWE4MTElMzIOMjdkM Dk5YzdiMjllNmFkMDA3Zjc5MmM0ZDE3MzExNTgzOWR iNDcxYTg5ZTA4NjJjNmIwYmIiLCJ0YWciOiIifQ==">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpd iI6IlZWdTZzeWlmWWdnSlEwcjkvNnRweLE9PSIsInZ hbHVlIjoiREU4KzhZaWMvVFRDYVpUNlMvNWpZNk80Z m1OaHQ2VDBaRVhWVmdyMzVCYitrRXptdE9reVIldGd 4WWYzM2RtKyIsIm1hYyI6IjZiOWE4MTElMzIOMjdkM Dk5YzdiMjllNmFkMDA3Zjc5MmM0ZDE3MzExNTgzOWR iNDcxYTg5ZTA4NjJjNmIwYmIiLCJ0YWciOiIifQ==</a>
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

IQAC contributes significantly to quality achievement, sustenance, and enhancement by formulating various procedures. It draws strategies through curricular aspects, TLP, research, community engagement, HR management, industry interaction, placements, infrastructure, learning resources, student support, governance, leadership, and management operations. IQAC puts in place mechanisms for ensuring implementation of all policies, and reviews all activities.

### Best Practice 1

The institution uses many e-Governance modules for smooth day-today operations in areas of Administration, Admissions, Examinations, and Accounts.

The institution has procured licensed software. The institution has developed its own ERP software for students' evaluation, maintaining staff and student databases, and networking with parents/guardians.

**OUTCOME:**

Timely communication to the parents/guardians regarding students' Performance and attendance for monitoring and improvement of academic standards.

#### Best Practice 2

The institution focuses on quality, in day-to-day functioning as well as environmental management. To achieve this, the management has obtained ISO certification – Integrated Management System, combining the Quality Management System with the ISO standard 9001:2015 and Environmental Management System with the ISO standard 14001:2015. TÜV NORD was involved in the assessment and ISO certification.

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.3.5/Feedback.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.3.5/Feedback.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

IQAC IS functioning since 2014 with the purpose of quality improvement strictly adheres to active involvement in the holistic all-round development of the institution. Along with delivery of syllabus, all cross-cutting issues like gender sensitivity, equality, and social issues are addressed in CPD. IQAC ensures that all these cross-cutting issues are included in the curriculum.

Advanced ICT Tools are used to ignite thought processes among the students.

IQAC is proud of the improvement in the usage of ICT tools even during the pandemic situation. The TLP of the institution is reviewed and audited by the Feedback Committee and Academic and Administrative Audit Committee. The committees after collecting the data at regular intervals in an academic year, carefully analyze them and report their findings to IQAC. All the other Committees /clubs /cells contribute to support the

methodologies like cross-cutting issues, academic and non-academic issues. IQAC provides all the facilities for holistic all-round development of the students and makes them "Fit for Purpose". Continuous evaluation of the students is carried out through formative assessment and summative assessment

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
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)**

**C. Any 2 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="#">NA</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>
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

**a) Safety and Security: Ensuring a safe and secure environment for all stakeholders within an institution is paramount for fostering productivity, well-being, and overall success. Here are some steps that institution takes to fulfil this commitment:**

1. The institution provides trained and committed security personnel for ensuring the safety of all stakeholders on the campus. Entry of all staff and students is upon verification of their identity. Visitors' entry is allowed after proper verification.

The campus is on 24 x 7 CCTV surveillance. Anti-Ragging Cell conducts regular awareness programs. "PRATHIRODHANA" is constituted from responsible faculty members for the prevention of sexual harassment and ensures zero-tolerance against sexual harassment.

2. Fire extinguishers are installed in all buildings/floors. By prominently displaying proper signage throughout the campus, the institution enhance safety, accessibility, communication, and environmental sustainability for all stakeholders.

3. "SAMARTHINI", the women empowerment cell, organizes various programs to create gender sensitivity and gender equity.

b) Counseling: "PARIVARTHANA", the student's counseling cell conducts programs to address the psychological issues faced by the students. Counselling sessions are provided to students with professional counsellor. The institution has 15 trained counselors.

c) Common Room: The institution has separate common rooms for boys and girls, consisting of a bed, drinking water facility, and a stretcher, a wheelchair, and first aid box, for medical emergencies.

File Description	Documents
Annual gender sensitization action plan	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/7.1.1a.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/7.1.1a.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://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/7.1.1b.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/7.1.1b.pdf</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures** Solar energy

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

### Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

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

#### Solid Waste Management

Solid waste is collected separately using the dust bins which are placed on all the floors labelled as dry and wet waste to maintain cleanliness. Emptying of the dustbins is done periodically. All degradable waste that is produced on the campus is stabilized in a 400 litre Bio composter and Bio digester. The stabilized manure collected is used for campus greeneries. The debris generated from the incinerator is collected and safely disposed. Non-biodegradable waste generated in the campus is collected and safely disposed to Municipal Corporation. Recycling waste like plastics, newspapers, etc. is sold to scrap dealers.

#### Liquid Waste Management

The institution has systematic sewage networks and 80 KLD capacities Sewage Treatment Plant. Treated water is used for campus greeneries.

#### E-Waste Management

The institution has a systematic protocol to manage the e-waste and is disposed to certified dealers.

#### Hazardous Chemical Waste Management

Hazardous chemical waste which is generated in the laboratories is collected at a specific location and transferred to a collection tank for safe disposal by an authorized dealer.

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

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**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**

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

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<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**

**A. Any 4 or all 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	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<a href="#">View File</a>
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).**

**The Institution through its committees/clubs/cells creates an**

atmosphere of tolerance and harmony in diverse domains such as cultural, regional, linguistic, communal, socio-economic. The institution always lays emphasis on healthy, peaceful, and joyous, and progressive campus for all the students and staff. With the clear-cut inputs from the management and principal, the institution conducts cross-cultural, cross-linguistic, and cross-community events within and outside the campus to achieve an all-inclusive environment for the students and staff. Most of the students enthusiastically participate in these events irrespective of the region, language and community. This helps student understand the The events also aid in fostering interpersonal relationships. A few of the events are International Yoga Day, Hombelakku, Ganesha Festival, Ambedkar Jayanthi, Sadbhavana Diwas, Swatch Bharat Abhiyan, and Blood Donation Camp. These events help the students to imbibe qualities like respect for their own and others' culture, democratic ways of thinking and selfless service.

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 institution organizes various activities for sensitizing the students and staff towards inculcating values, rights, duties, and responsibilities for being responsible citizens of our country. The institution celebrates Ambedkar Jayanti ,to promote national integration among students by taking the National Integration Pledge. The institution conducts programs on Human Rights and responsibilities, and the importance of national integration to create awareness among students on human rights and citizens' responsibilities for creating an atmosphere of harmonious co-existence. The institution organizes Swachh Bharath Abhiyan to create awareness about cleanliness in and around the campus, and also organizes blood donation camps to encourage students to contribute as a service to society. The institution celebrates all national days. These events involve hoisting and unfurling the national flag by the principal. The institution also celebrates Independence Day and Republic Day.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/7.1.9.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/7.1.9.pdf</a>
Any other relevant information	<u>Nil</u>

**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.**

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	<b>No File Uploaded</b>

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

**The institution celebrates National and International commemorative days, events and festivals with a view to promote patriotism, human values and inclusiveness. The institution celebrates Independence Day, Republic Day, and Gandhi Jayanthi. Institute celebrates Ambedkar Jayanthi in remembrance of Dr. B. R. Ambedkar. Kannada Rajyotsava is celebrated in the month of November. Sadbhavana Diwas is also celebrated. International commemorative days like International Yoga Day, As well as national commemorative day like National Sports Day are**

celebrated. The major festivals like Ganesh Chaturthi, Ayuda pooja, Navarathri and Diwali are celebrated to imbibe cultural values among the students.

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	No File Uploaded
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.

**Best Practice-1 Self Study Report of SAPTHAGIRI COLLEGE OF ENGINEERING Title: "MARGADARSHI" - Student Proctoring System**  
**Objectives** To provide a strong support system between the Mentor and Mentee. To monitor the students' progress and advise them to improve their all-round performance  
**Context:** The students, entering a new and challenging environment need empathy, support, and counsel.  
**Practice:** Each staff monitors 20 mentees. Parent-Teachers' Meetings are conducted regularly. Weak students are provided coaching for improvement. Parents/guardians are apprised of academic progress and irregularities of their wards. **Evidence of Success:** Improvement in academic performance, placements, and behavior is noticed.

**Best Practice-2 Title of the Practice: SAPTHAGIRISAPTHAPADA- (Students Community Conviction)**  
**Objectives:** To involve students in community services. To understand societal concerns and formulate a holistic activity.  
**Context of the practice:** Our students also serve the neighborhood, through extension activities and get acquainted to societal problems for holistic development.  
**Practice:** Sapthagiri Sapthapada is an institutional initiative to network students who are encouraged to involve in extension activities that are implemented through the clubs: NSS, ECO, Community, Health clubs, Equal Opportunity, Women Empowerment, and Anti-sexual harassment cells. **Evidence of success:** Students were sensitized to environmental responsibility and societal equality. **Problems encountered:** Organizing the events in schools and villagers is challenging.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.sapthagiri.edu.in/designs/naac/AOAR2022_23/CR7/721.pdf">https://www.sapthagiri.edu.in/designs/naac/AOAR2022_23/CR7/721.pdf</a>
Any other relevant information	<a href="#">NIL</a>

### 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

**Title: "PARIPOORNATHE"** (Excellence through Sports and Cultural activities) PARIPOORNATHE stands for completeness and is in line with the Mission and Vision of the Institution. The institution stands out among its peers in academics, culture, and sports. The Institution believes that excellence in engineering education cannot be achieved with mere academic accomplishments. The prime motto of the Institution is to encourage and promote the students not only to excel in academics but also to insist on their participation in sports, cultural, extra-curricular, and extension activities, so as to enable them to acquire multiple skills. Knowledge, skills, and human values are the hallmarks of excellence in a student. Accordingly, IQAC is tasked not only towards academic excellence but also to ensure excellence in sports, cultural, extra curricular, and extension activities. The cultural committee provides various platforms to promote cultural activities at the institution which include Navarathri Pooja, Kannada Rajyotsava, Madhurya: a musical competition, Okuli: a series of competitions related to colors like Rangoli, Painting, Design Stitching, Origami, Flower Arrangement, Craftwork, etc. The department of physical education trains and supervises students in Yoga, physical exercises in the gymnasium, indoor and outdoor games. It also organizes sports meet, University meets, and various intercollegiate sports events.

## 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

1. The institution ensures effective curriculum delivery through a wellplannedand documented process. Sapthagiri College of Engineering isan ISO 9001-2015 &14001-2015 certified Institution affiliated toVisvesvaraya Technological University (VTU) and follows the schemeand syllabus prescribed bythe university. However the curriculum isprepared by the Institution in line with Institution's Vision andMission. Calendar ofevents is prepared to include academicand Non academic activitiesprior tothe commencement of the academic year (AY),Timetable is prepared and circulated among faculty and students.

2. The course plan is prepared by the concerned faculty and deliveredthrough Chalk and Talk, PPTpresentations,use of illustrative models,ICT tools like NPTEL videos, projects, Google classroom and innovativeteaching methods like case studies, role plays etc.

3.Certification/Add on courses, guest lectures, webinars, skill development trainings andworkshops are conducted with IQAC-approval to enhance students'knowledge in current trends.

4. Mandatory 1 credit courses like Constitution of India, Environmental studies, Universal Human values, Social connect and responsibility which integrates cross cutting issues like gender sensitization, environmentalsustainability, professional ethics and human valuesare offeredalong with various activities through cells and clubs in this academic year.

5. The effectiveness of curriculum implementation is reviewed regularly byHODs and IQAC.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR1/111/1.1.1-Additional%20info.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR1/111/1.1.1-Additional%20info.pdf</a>

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

Sapthagiri College of Engineering is affiliated to the Visvesvaraya Technological University and the college calendar of events (COE) is prepared in line with the university calendar of events by including weekly working days, holidays, government holidays, internal assessment dates, practical examination dates, Parent-Teacher-Meeting schedule, sports day, cultural day, graduation day, last working day of the semester and is submitted to the Principal for approval by the Governing Council. Individual Departmental COE is prepared by including planned schedule for workshops, guest lectures and industrial visits. It is circulated among all staff and students and is uploaded in the college website for information and compliance. Lesson plan and Class time tables are prepared as per COE and distributed to the students through email / WhatsApp groups. Strategic Perspective Plan (SPP) is prepared by the respective department, cells and clubs in sync with the University COE. Timetable of Internal Assessment (IA) for both theory and Practical courses is prepared as per COE and is circulated among faculty and students well in advance, by the Examination Committee. IA is conducted, evaluated and results announced to both students and parents as per the schedule.

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR1/112/Academic%20Calendar%20Link.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR1/112/Academic%20Calendar%20Link.pdf</a>

### 1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of

A. All of the above

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

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<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

7

File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View File</a>
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)

7

File Description	Documents
Any additional information	<a href="#">View File</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View File</a>
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

938

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

### 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 Institution offers courses prescribed by VTU, integrating the cross cutting issues such as human values, professional ethics and environmental sustainability. In this Academic year students have been offered with four courses like constitution of India, Environmental studies, Social connect and Responsibility and Human values to inculcate human values and professional ethics. Various activities are conducted to imbibe core human values. Environmental Sustainability: The institution offers Environment Studies course in the 3rd year of all programs. The course covers municipal and industrial waste water management, water supply and treatment engineering, biotechnology for sustainable environment. To address the issues related to human values and environmental sustainability, gender sensitization various activities have been conducted by NSS and (SAMARTHINI) Women Empowerment Cell. NSS Unit: Swachh Bharat Abhiyan, World Water Day, health camps, exhibitions and voluntary blood donation camps. SAMARTHINI-Women Empowerment Cell: Various events to promote the participation of girl students in women's day celebration and invited lectures on women empowerment.

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

242

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View File</a>
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

2284

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	A. All of the above
---	---------------------

**syllabus and its transaction at the institution from the following stakeholders**  
**Students Teachers Employers Alumni**

File Description	Documents
URL for stakeholder feedback report	<a href="https://sapthagiri.edu.in/designs/naac/AOAR2022_23/CR1/141/141fbanalysisindex.pdf">https://sapthagiri.edu.in/designs/naac/AOAR2022_23/CR1/141/141fbanalysisindex.pdf</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	<a href="#">View File</a>
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://sapthagiri.edu.in/designs/naac/AOAR2022_23/CR1/141/141fbanalysisindex.pdf">https://sapthagiri.edu.in/designs/naac/AOAR2022_23/CR1/141/141fbanalysisindex.pdf</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**

**508**

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****442**

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

The institution assesses the learning levels of students prior to commencing teaching - learning process. The institution counsels the students soon after admission and they are categorized as advanced learners and slow learners based on their performance in the qualifying examination. Categorization is made based on the performance of students in the CIE and SEE. As mentioned in the SOP for slow and advanced learners students are monitored. **Slow Learners:** The mentor, who acts as a guide and local guardian, counsels the slow learners, identifies the nature of their problems and motivates to perform better. Remedial classes are provided to enhance their performance. Peer learning, module wise question bank, & old question papers is shared. University question papers are solved. YouTube links and animated videos were shared. **Advanced Learners:** The best performers of the Semester End Examination are identified as advanced learners. They are advised by the Heads / Senior Professors of the departments and mentors, to achieve better performance in their academics. They involve in Peer teaching, selected as Class representatives, participate in seminars/workshops/competitions. They are encouraged to get ranks and trained to get placed in core companies. They are felicitated also during Graduation Day.

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Advanced%20Learners%2026%20Slow%20Learners.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Advanced%20Learners%2026%20Slow%20Learners.pdf</a>
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
2379	129

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

To implement an OBE, experiential learning, participative learning and problem solving methods following methods are adopted. Project / Mini project / Internship Students are involved in real time and societal projects in the field of agriculture, automobile, pollution, etc. Many projects are funded by KSCST and a few innovative projects are published in newspapers. As part of curriculum deployment strategy, students are encouraged to attend the internship programs to enhance their knowledge and skills. Seminars are conducted to improve their communication and presentation skills. Industrial Visits / Field Trips. Technical Talks / Guest Lectures and Alumni Lectures are conducted. Peer Teaching and Peer Learning, The advanced learners are encouraged to explain their experience of problems solving to slow learners. Innovative Teaching Methodology, Teachers use ICT methods, PPTs, demonstration models, etc. Quiz / Puzzle help the students to prepare for the aptitude test or competitive examinations. Library Resources Language Laboratory Placement Training, The training on HR skills, group discussion, aptitude tests, mock interviews, etc., are provided by Placement Department. Publications, Students are motivated to bring out technical articles/ papers in association with faculty.

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

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

The following methods are adopted in the institution in teaching/learning process:

1. ICT methods like videos, PPTs, simulations, animations and quiz depending on the course and the situation to better understanding of subject.
2. Faculties used Zoom, Google Meet and uploaded videos in YouTube for students.
3. The faculty members has improved from the traditional blackboard teaching, by using the resources such as NPTEL, VTUe-learning, e-books, technical magazines and journals.
4. The students and teachers have participated in project work /technical seminar presentations to share their knowledge on the current topics.
5. The institution provides modern teaching aids coupled with required equipments for the laboratories and classrooms. The institution has provided 47 ICT enabled classrooms, including 04 smart classrooms.
6. The institution has provided 16 Laptops to various departments.
7. LAN with internet facility and Wi-Fi facility with 100Mbps internet band width is available.
8. The institution has digital library, which helps the students to access NPTEL (National Program on Technology Enhanced Learning) lectures and study materials.
9. The e-copies of the faculty notes and e-books are available in the Library.

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

95

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****129**

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
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****23**

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****742**

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 institution is affiliated to Visvesvaraya Technological University (VTU) and follows the Rules and Regulations for the assessment and evaluation processes. The students' performances are evaluated through formative assessments and summative assessment. Transparent Assessment The institution's follows academic calendar. Faculty prepares question paper and scheme of evaluation which is scrutinized by the department Academic Committee. The IA tests are written in bluebooks and evaluated as per the schedule. The scheme of evaluation is shared with students while distributing blue books and issues if any, connected with evaluation are resolved. The assessed marks are submitted to the concerned department and in turn sent to parents. Robust Assessment: Classroom interactions

1. Question and answer sessions
2. Oral quiz
3. Unit test
4. IA test
5. Assignment

Classroom activities

1. Peer teaching
2. Peer learning
3. Problem solving
4. Brainstorming sessions
5. Seminar presentation
6. Group presentations

Activities outside the classroom

1. Industrial visit
2. Internship
3. Technical paper presentation
4. Participation in college events / committees
5. Participation in online courses
6. Case studies
7. Hands-on workshop

Summative Assessment The SEE for both theory and laboratory courses are held as per University timetable.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Mechanism%20of%20Internal%20Assessment.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Mechanism%20of%20Internal%20Assessment.pdf</a>

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

The institution follows the University guidelines for the formative assessment / CIE and summative assessment/SEE. The Examination and Evaluation Committee handle the examination related grievances as per the SOP. The University Rules & Regulations are briefed to all students in the orientation program conducted at the beginning of the academic year. The circulars and notices are communicated to all the students on time. All the grievances related to internal and

University examination/ evaluation are addressed in a transparent, time bound and efficient manner and resolved at different levels.

**Institution Level Grievances** Most of the internal examination related grievances are about laboratory, assignments, internal marks, improvement test, change of project title / batch, project presentation, technical seminar, etc. The pattern of question paper and syllabus for each test is communicated to the students well in advance by the teachers / class teachers. The scheme of evaluation is shared with students while distributing blue books and also discussed to clarify doubts and for grievance redressal, if any.

**University Level Grievances** The University level grievances include issues like name correction, USN generation, examination application filing, hall ticket generation, announcement of results, revaluation results, mark cards, photocopy, degree certificates etc.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Greivances%20ECE.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Greivances%20ECE.pdf</a>

## 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.

The institution has adopted the Outcome Based Education (OBE) in its teaching, learning and evaluation process and strives for continuous improvement. POs, PSOs & COs for all the programs offered by the institution are displayed on the college website - department wise, from the first year to the fourth year.

**Mechanism of Communication** The PO and PSO are briefed to the students at the beginning of the semester. The Course Outcomes are briefed by individual course teacher in the first class at the beginning of the semester. Program Specific Outcomes and Course Outcomes are displayed in the following ways: Display boards in various departments, classrooms and corridors  
Department notice boards / laboratory notice boards  
Project diary / lab manuals  
Awareness programs by IQAC. COs through course wise discussion in the classroom  
Lesson plan  
Internal assessment test question papers

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/CO%2BPO%20Mapping.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/CO%2BPO%20Mapping.pdf</a>
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 institution has adopted OBE in its teaching, learning and evaluation process and strives for continuous improvement. The curriculum, assessment and evaluation are the major tools by which learning outcomes are attained. The COs are mapped with POs and PSOs for all courses in all the programs. The mapped matrix is available in website. The results of SEE conducted by the University and the CIE conducted by the institution, are used as input for calculating attainments of all the outcomes. All attainments are calculated and evaluated using the Microsoft excel sheets. Direct Assessment Methods Internal assessment tests Assignments Unit tests Quiz Laboratory exercises Seminars Internship Projects Semester end examination Indirect Assessment Methods Course end survey Program exit survey Alumni survey To evaluate the attainment of POs and PSOs, the results of CO attainment, formative assessment, exit survey, alumni survey etc., are used. The final PO and PSO attainment is calculated for the particular graduated batch with a corresponding scheme by considering the weightage as Direct assessment-80% Indirect assessment-20% To calculate attainment for a course, the target is fixed. Necessary action plan is initiated to take necessary action to attain the target.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/CO-PO%20Attainment.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/CO-PO%20Attainment.pdf</a>

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****654**

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	Nil

**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://www.sapthagiri.edu.in/designs/naac/AQAR2022\\_23/CR2/Student%20Satisfaction%20Survey-%20Questionnaire.pdf](https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR2/Student%20Satisfaction%20Survey-%20Questionnaire.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)****4.18**

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**

2

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**

7

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	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR3/311a.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR3/311a.pdf</a>

**3.2 - Innovation Ecosystem**

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

All departments encourage their students to participate in various competitions at National / International level every year. Students are done their innovative projects with interest and have won awards and appreciation.

Intelligent System for surveillance and intrusion of animals at multiple locations in farmland using convolutional neural network and IOT:

The proposed system is based on Artificial Intelligence, Convolution Neural Networks, Internet of Things, Real time embedded system and object detection. Running a real time

object detector with YOLO Algorithm with custom trained models to identity the most suitable animal recognition platform to be integrated with the ultrasound generator.

**Efficiency Enhancement of wind turbine using MAGLEV Technique:**

A revolutionary levitation concept is included into the design of a vertical axis turbine. It is more competitive than its cousin in terms of efficiency, price, and power output.

**Li-Fi Technology based patient health monitoring and tracking system**

Li-Fi is a technological advancement that uses driven light to help in information transmission. The health parameter can be transmitted to the appropriate location by using apparent light as a transmission medium. In addition, ML is used to forecast the occurrence of cardiac disease.

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

13

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**

1

File Description	Documents
URL to the research page on HEI website	<a href="https://sapthagiri.edu.in/researchanddevelopmentin?type=biotech">https://sapthagiri.edu.in/researchanddevelopmentin?type=biotech</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

22

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

39

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 institution has established various clubs, committees and cells like NSS, ECO Club, Community Club, Equal Opportunity Club, Human Rights Club, Women Empowerment Cell, Prevention of Sexual Harassment Cell and Health Club involved in social activities and to inculcate social responsibility and service mindset.

The following activities are carried out to sensitize and impact the students about social issues and holistic developments.

1. The NSS unit in association with Dept. of ME and CV have arranged Swachh Bharat Abhiyan on 13/03/2023 in which the students of the institution have participated.
2. The NSS unit of the institution have organized International Yoga Day to create awareness on yoga among students on 21/06/2023 in which the students of institution had participated in large.
3. The NSS unit and Akhil Bharatiya Terapanth Yuvak Parishad have also organized Mega Voluntary Blood Donation Camp on 17/09/2022 in the campus of institution in which the students in large have participated.
4. The NSS unit has hosted Indian Constitution Day on 26/11/2022 to create awareness on Indian constitution among the students. A large no of students have participated in it.

The NSS unit, ECO club and Health club have also celebrated various important commemorative days, such as, Sadbhavana Diwas, Constitution Day, National Voters Day, Mathrubasha Divas, Anti-Terrorism Day and International Yoga Day on the earmarked days.

File Description	Documents
Paste link for additional information	<a href="#">NIL</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**

1

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**

7

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**

771

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

2

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

37

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
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.

The institution provides adequate facilities as per the norms of AICTE and VTU. The campus is spread across 6.08 acres with 17449sq.meters built up carpet area.

Following are the details of infrastructure facilities:

**ClassRooms and Smart Class Rooms:**

The institution has 50 class rooms out of which 47 class rooms are equipped with ICT enabled facilities and four rooms are equipped with smart interactive boards.

**Laboratories:**

There are 52 Laboratories equipped with an adequate number of equipment and machines.

**Seminar Hall and Auditorium:**

The institution has two seminar halls which are used for conducting guest lectures, seminars etc. In addition to this, there is an ICT enabled auditorium with a seating capacity of 300.

**Computing Equipment:** The institution has 805 computers and an adequate number of peripheral devices.

**Internet and Wi-Fi:**

The entire campus is enabled with Wi-Fi of 100 Mbps speed.

**The institution offers:**

Placement facility through active fully fledged Training and Placement cell.

Fully furnished hostel facility for both boys and girls.

A fully automated library that extends its facility to students

and staff.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/413a.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/413a.pdf</a>

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

**Cultural Activities:** The institution has a state of the Art amphi theatre with a seating capacity of 2500 to conduct various college co-curricular and extracurricular activities. The institute provides students with all modern and classical musical instruments.

**Sport and Games:** The institution provides adequate facilities for ensuring physical education activities to keep the students physically fit and healthy. The institute has indoor and outdoor sports facilities including a gymnasium and yoga centre.

The following is the list of various indoor and outdoor facilities available for the students on the campus.

**Indoor facilities: 1.**

Chess boards - 07 2. Carrom boards - 04 3. Gymnasium and Yoga center - 01 4. Table Tennis board - 01  
**Outdoor Facilities: 1.** Cricket field - 01 (Ø100 mts) 2. Volley Ball court - 01 (18x09 mts) 3. Basket Ball court - 01 (28x15 mts) 4. Hand Ball court - 01 (40x20 mts) 5. Throw Ball court - 01 (12x18 mts) 6. Kabaddi court - 01 (13x10 mts) 7. Kho - Kho court - 01 (30x19 mts) 8. Ball Badminton court - 01 (12x24 mts) 9. Athletic Track - 01 (200 mts) 10. Football court - 01 (Ø90 mts)

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdjI6Ik9jYnJMeU1TOFR0akRUMStgalNpZXc9PSIsInZhbHVlIjoicVJ2T0Q0ekw3aWRKcEFVMDFuYjc1RnJXRE9RZnNrR0Rvb0RxcTC9tcGVhRk45R2JuZGFnVis4ZlYzeE5FblhXTCIsIm1hYyI6IjcxMDE3ZGIwMjg5ODE5YTU0NjJkOWMyY2M0YzY0NWYyYjY3NTFhYjBhMGMwYmQ0YTg4N2Y0ZGFjMTg2OTc0OGQjLCJ0YWciOiIiIiwiaWF0IjpmQ==">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdjI6Ik9jYnJMeU1TOFR0akRUMStgalNpZXc9PSIsInZhbHVlIjoicVJ2T0Q0ekw3aWRKcEFVMDFuYjc1RnJXRE9RZnNrR0Rvb0RxcTC9tcGVhRk45R2JuZGFnVis4ZlYzeE5FblhXTCIsIm1hYyI6IjcxMDE3ZGIwMjg5ODE5YTU0NjJkOWMyY2M0YzY0NWYyYjY3NTFhYjBhMGMwYmQ0YTg4N2Y0ZGFjMTg2OTc0OGQjLCJ0YWciOiIiIiwiaWF0IjpmQ==</a>

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

47

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/4.1.3%20Timetable.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/4.1.3%20Timetable.pdf</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)

71.8

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

**Library and Information Centre:**The institution has a fully automated library, in 2013, of 724 sq.marea,withstafffor everyday transactions, procurement,maintenanceof digital resources, etc.It uses opensource e-Granthalaya softwareversion3.0 for acquisition,cataloging, circulation, procurement,serial control modules, and Online Public Access Catalog (OPAC). Allthe library documents are bar-coded and are issued using bar-codescanning.The library containsbooks, magazines/newspapers forthecomprehensive development of students and is kept on separateracks. Features of e-Granthalaya:

1. Minimum user interactionfor storageandbackup. 2. Easy and effective maintenance of data on booksandjournals. 3. Simplified search facility for the location ofbooks and to identify usersthrough OPAC. 4. Ease of cataloging ofbooks,articles, serial publications,etc. 5. Statistical analysis oftransaction data. 6. Acquisition modulefor generating accessionregister reports,adding student records, updating item lendingpolicy and its status.

**Facilities:** 1. SC/ST book bank-students canborrow two books each semester. 2. Digital Library

URL:<http://192.168.1.222:8080/jspui/> Resources: 1. Previous year question papers 2. e-books/e-magazines 3. Study materials 4. Rarebooks

<http://192.168.1.222:8080/jspui/handle/123456789/4115> 5.

Library Newsletter Weblink for e-granthalaya

<https://egranthalaya.nic.in/> Delnet:<http://164.100.247.30/>

OPAC: <http://192.168.1.102/opac/> Repositories of SCE:

<http://192.168.1.222:8080/jspui/> web-

page:<https://sapthagirilibrary.webs.com/> e-resources

subscribedthroughVTUConsortium:<https://sceb.mapmyaccess.com/>  
Number of titles/volumes: 5791/29246

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional Information	<a href="https://www.sapthagiri.edu.in/designs/naac/AOAR2022_23/CR4/4.2.1 Title Volumes Books.pdf">https://www.sapthagiri.edu.in/designs/naac/AOAR2022_23/CR4/4.2.1 Title Volumes Books.pdf</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)**

**18.67**

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

58

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

**Frequency of Update: Academic Year 2022-23:** The institute procures software from Microsoft (MS) for the upgradation of computing systems including PCs and servers. MS 365 App is upgraded on all PCs for the benefit of all staff. Peripheral devices like printers, scanners, projectors, UPS, smart boards, are upgraded/replaced as per requirements. CC-TVs, Bio-metric attendance monitoring system, accounting, and admission recording systems are upgraded regularly. Sonic-Wall-NSA-2700 is installed and upgraded regularly on all digital computing systems for their protection. The institute procures various accessories such as D-link, switches, webcams, graphic cards, RAM chips, etc as per requirement. Internet & Wi-Fi: The institute has a dedicated Rail-tel line of 100Mbps capacity to serve the internet requirements. Rail-tel is required to ensure 24x7 internet connectivity. The total number of computers with a LAN facility is 805. The institute has 60 Wi-Fi access points for enabling internet connectivity for the entire campus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/4.3.1.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR4/4.3.1.pdf</a>

**4.3.2 - Number of Computers**

779

File Description	Documents
Upload any additional information	<a href="#">View File</a>
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	<a href="#">View File</a>
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)****84.75**

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

**Utilization and Maintenance of Laboratory: Laboratory sessions are conducted as per the curriculum plan. A logbook is maintained for monitoring and usage of the equipment. The laboratory equipment/measuring instruments are periodically inspected/calibrated and preventive maintenance is carried out by technicians. Utilization and maintenance of**

**Library:**The LibraryCommittee of the institution monitors the procurement andfollowsupon maintenance and effective utilization of the libraryresources. The binding of documents and reconditioning of old booksis also a part of the library maintenance.

**Utilization and maintenance of Sports Complex:** ThePhysical EducationDirector (PED) along withdepartmental faculty coordinators meetregularlyto discuss sports-related issues such as planning andorganizing inter and intra-collegeevents and procurement of sportsfacilities. The PED also takes care of the maintenance of all sportsfacilities. Utilization and

**Maintenance of Computers:**The computer laboratoriesare used by the students and faculty as per the schedule of eachdepartment. The Department of Computer Science and Engineeringmaintainsall computing-related systems. Classroom Utilization and

**Maintenance:**The classrooms are utilized asper the schedule prepared by the department and Campus MaintenanceSystem (CMS) committee takes care of the maintenance of variousphysical facilities.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdjI6Ik9ldFkxUU0vU0FNM1BnMzJGVzVNd3c9PSIsInZhbnVlIjoiblovceVyeVolalpmKzNPYVZiOXp2SHk4cDk3RjczRjRnbkNSajNUWWZmQWM0d3AxYU10OWh1U1ArU2xZV0dJZCIsIm1hYyI6ImQxYzdjN2UxOTU5ZmZmYWU0NWNhZWZhMTg3MjExMjFiNDQ4MWIzM2E2YWEyYTEwMGM5YjcwYzVmZWQ4YzRmOWQiLCJ0YWciOiIiIifQ==">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdjI6Ik9ldFkxUU0vU0FNM1BnMzJGVzVNd3c9PSIsInZhbnVlIjoiblovceVyeVolalpmKzNPYVZiOXp2SHk4cDk3RjczRjRnbkNSajNUWWZmQWM0d3AxYU10OWh1U1ArU2xZV0dJZCIsIm1hYyI6ImQxYzdjN2UxOTU5ZmZmYWU0NWNhZWZhMTg3MjExMjFiNDQ4MWIzM2E2YWEyYTEwMGM5YjcwYzVmZWQ4YzRmOWQiLCJ0YWciOiIiIifQ==</a>

## 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**

1583

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 benefitted 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

162

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Number of students benefitted 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://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR5/513/INDEX513.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR5/513/INDEX513.pdf</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**

26

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

26

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

479

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

12

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
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**

14

File Description	Documents
Upload supporting data for the same	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
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.**

19

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
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 )

**Class representatives from each class are the academic members of the Student Council who are selected in front of their**

peers. The other type is the voluntary participation of students in various committees who are a part of student council. The Student Council members interact with various committees and are also encouraged to be the volunteers for various events. The council members for each activity drive the events in coordination with committee representatives.

The Committees taking care of Co-Curricular Activities of the Institution having students' representatives are:

- 1.Add on course committee
- 2.STUTI-Career Guidance & Placement cell
- 3.Library Committee
- 4.R&D, Entrepreneurship committee and incubation centre

The committees taking care of Extra-Curricular Activities of the Institution having students' representatives are:

- 1.Sports Committee
- 2.Cultural Committee
- 3.HASIRU- Eco club
- 4.Health club
- 5.National Service Scheme-NSS
- 6.Grievance Redressal Committee
- 7.SAMARTHINI-Women Empowerment Committee
- 8.PRATHIRODHANA-Prevention of Sexual Harassment Cell
- 9.ASHRAYA-Parents Teachers Association

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR5/532/index532.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR5/532/index532.pdf</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

36

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

The SCE has a strong network of Alumni to strengthen Industry-Academia bonding, namely "Sapthagiri College of Engineering Alumni Association (SCEAA)" is established in 2011 and registered under the Karnataka Societies registration act, 1960 bearing registration no. DRB-N/SOR/89/2011-2012, Dated: 28/06/2011, Bangalore, Karnataka. Many of our alumni have excelled in the field of Academia, Industry, and Bureaucracy, and thus brought laurels to the institution. The association acts as a platform, to connect and share interactive sessions/workshops to motivate students about the latest trends in technology, internship, employability, and higher educational opportunities in India and abroad. They also contribute to developing interpersonal and managerial skills. The

Association helps in improvising the curriculum by their valuable feedback about the industry needs to increase employability. The association aims to bridge the institution and the alumni by organizing regular meets and encouraging alumni to contribute to the growth of the institution. Alumni also take part in decision-making as members of IQAC.

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR5/54/ALUMNI_FINAL.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR5/54/ALUMNI_FINAL.pdf</a>
Upload any additional information	<a href="#">View File</a>

**5.4.2 - Alumni contribution during the year (INR in Lakhs)** **E. <1Lakhs**

File Description	Documents
Upload any additional information	No File Uploaded

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

The vision of the Institution To be a best institution imparting quality engineering education to deal with community needs through learning and performance The mission of the Institution:

To implement path breaking student centric education methods. To augment talent, nurture teamwork to transform, to develop individual as responsible citizen. To educate the students and faculty members about entrepreneurship to meet vibrant requirements of the society. Strengthen Industry-Institute Interaction for knowledge sharing. Sapthagiri College of Engineering, Bengaluru was established by Sri Srinivasa Educational and Charitable Trust in the year 2001. The Management has constituted the Governing Council (GC) which includes Chairman, Managing Director, Eminent Personalities nominated by the Government, faculty representatives, the principal being the Member Secretary. Internal Quality Assurance Cell (IQAC) mandates the departments as well as various

File Description	Documents
Paste link for additional information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdiiI6IlFlVUZnRXl1ZU54eU52bnI2QkhCVkE9PSIsInZhbHVlIjoiUkNZNnBIK1hDZU1STHh3OFd2VjZzNzN6RS90cE5uTWE0clJWcmNQVVREYmF2NVduVlFZZGV0MkJDWTFIV0VleSIsIm1hYyI6ImFkOGRkNGE5OTExMzJiNTQ3MWM5YjVhYjAzM2NmZmQwYjhlNDdlOTkzNzg1NTRhYTIlMjM5NmFlNDg2ZTMzN2EiLCJ0YWciOiIiIiwiaWF0Ij09Ij09">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdiiI6IlFlVUZnRXl1ZU54eU52bnI2QkhCVkE9PSIsInZhbHVlIjoiUkNZNnBIK1hDZU1STHh3OFd2VjZzNzN6RS90cE5uTWE0clJWcmNQVVREYmF2NVduVlFZZGV0MkJDWTFIV0VleSIsIm1hYyI6ImFkOGRkNGE5OTExMzJiNTQ3MWM5YjVhYjAzM2NmZmQwYjhlNDdlOTkzNzg1NTRhYTIlMjM5NmFlNDg2ZTMzN2EiLCJ0YWciOiIiIiwiaWF0Ij09Ij09</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 effective leadership is visible in various institutional practices such as decentralization and participative management.

The Institution is supportive of decentralization in governance. The SPP with the necessary budgetary provisions is prepared by IQAC in consultation with all the departments, cells, and clubs in which teaching, non-teaching staff, and students are members. The list of these members is submitted to the GC. The Principal acts as a liaison between the Management, GC, CC, and other stakeholders. Requirements like aesthetic classrooms, seminar halls, laboratory equipment, library infrastructure, functional furniture, and fittings for e-learning are addressed. In addition, safety and security, water facility, health care, sports (indoor/outdoor) facilities, canteen, hostel facility for boys & girls are also taken care of. The principal as chairperson of IQAC reviews the implementation of SPP with the help of various committees/cells/clubs. As members of IQAC, SCEAA is also involved in the implementation and overseeing of SPP. association and industry experts as stakeholders are also

involved in the implementation of SPP through their valuable feedbacks. Hence the Management, the GC, the Principal, teachers, nonteachers, students, parents, and Alumni, and industry experts participate in the governance of the institution.

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.1.2/6.1.2%20Index.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.1.2/6.1.2%20Index.pdf</a>
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

The college IQAC prepares the strategicperspective plan (SPP) and budget by involving all the stakeholders of the Institution at the beginning of each semester in line with University and Institutional Academic Calendar and gets the approval of the governing council (GC). Planned programs of SPP are effectively deployed through theDepartments and Committees/Clubs/Cells. Deployment of SPPs is monitored by IQAC through the Action Taken Report (ATR) and the Annual Report submitted at the end of each semester. The ATR submitted by the various Departments, Committees/Clubs/Cells are carefully analyzed by IQAC and recommend a few actions to be taken in the forthcoming Academic Year. The activity of STUTI-Career Guidance & Placement Cell supplements and complements the gaps in the curriculum. It conducts training programs and workshops toinculcate skills required for inter-and intra-personal, leadership development, which helps them to become good and responsible citizens. STUTI conducts systematic training for competitive examinations, and career counseling, from their second year. STUTI maintains a good and strong relationship with the industries across the country, which has resulted in an impressive placement record. STUTI is in constant touch with prospective employers to ensure good placement for SCE students. On-campus interviews and career fairs are regular features at the Institution.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.2.1/SPP_2022_23.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.2.1/SPP_2022_23.pdf</a>
Upload any additional information	No File Uploaded

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.

The organization has a well-structured administrative setup with GC as the highest decision-making body. The GC is headed by the Chairman of Sri Srinivasa Educational and Charitable Trust. The GC also consists of eminent persons from the society, members nominated by AICTE/VTU/DTE, senior professors of SCE. The principal is Member Secretary of GC. All these members are included in the GC by proper resolutions. The college-level operations are implemented by the CC, which consists of all HODs, Office Superintendent, Librarian, Placement Officer, and PED as its members. IQAC which functions independently under the Principal's directions acts as a watchdog regarding quality aspects of the Institution. IQAC has been set up as per the norms of UGC.

Functions of Various Bodies: Various Committees/Clubs/Cells play a vital role in the conduct of various programs as per SPP to cater to both academic and nonacademic activities of the Institution. Administrative Setup – The institution consists of Admission Section, Establishment Section, Examination Section & Accounts Section, headed by Office Superintendent, who reports to the Principal concerning office administration. The organogram of the administrative setup is given as a link.

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.2.2/Index%206.2.2/6.2.2.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.2.2/Index%206.2.2/6.2.2.pdf</a>
Link to Organogram of the institution webpage	<a href="https://sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.2.2/Organograms.pdf">https://sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.2.2/Organograms.pdf</a>
Upload any additional information	No File Uploaded

### 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 inter faces	<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 management of the Institution provides quality-embedded human resources for ensuring the welfare of its staff. The teaching and non-teaching staff are regularly trained to add value to the worth of the human resources. Regular FDPs are conducted for both the teaching and non-teaching staff. Conveyance facilities and canteen facilities are provided at a nominal/subsidized cost. An important welfare measure is providing medical facilities for all its staff and students at Sapthagiri Hospital. All the employees both teaching, non-teaching, including the students are given free consultation, and for treatment are covered under Group Insurance.

The details of welfare measures provided by the Management are

uploaded.

File Description	Documents
Paste link for additional information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdjI6IjdKLlQ3UkZyMU5YREhQOWkxR25yUUE9PSIsInZhbmHVlIjojWXRJONTUyYm00VzRrNm5uVXRyRjVlaFEExUTFGK25sd1B5WkvGRklva1BjdFFiNTBCVDB5ZWVkR3JocDFXV0MyYyIsIm1hYyI6Ijo3N2JkMDhiOTc5NDdhNGNlMzMzMzQyOGYwNja2M2Y4ZDFhNGM5NTZjYzZjNzIwZTJkMDA4ZDFmMDMlMThjZGMiLCJ0YWciOiIifQ==">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdjI6IjdKLlQ3UkZyMU5YREhQOWkxR25yUUE9PSIsInZhbmHVlIjojWXRJONTUyYm00VzRrNm5uVXRyRjVlaFEExUTFGK25sd1B5WkvGRklva1BjdFFiNTBCVDB5ZWVkR3JocDFXV0MyYyIsIm1hYyI6Ijo3N2JkMDhiOTc5NDdhNGNlMzMzMzQyOGYwNja2M2Y4ZDFhNGM5NTZjYzZjNzIwZTJkMDA4ZDFmMDMlMThjZGMiLCJ0YWciOiIifQ==</a>
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**

5

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**

08

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	<a href="#">View File</a>
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**

**64**

File Description	Documents
IQAC report summary	No File Uploaded
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**

**The Institution has put in place a well laid-out Performance Appraisal System. The staff members perform self-appraisal which will be reviewed by the concerned Head of the**

Department and Principal. The self appraisal scheme is designed to evaluate the staff in terms of parameters like teaching, research, participation in curricular and co-curricular, and extra-curricular activities. On similar lines, self-appraisal, and review are performed periodically. In addition, individual faculty members have to set their own goals at the beginning of the academic year in a format provided by IQAC. The goals achieved at the end of the academic year, with the comments of HODs are reviewed by the Principal. The students' feedback taken on faculty, non-teaching staff such as administrative staff, laboratory instructors, drivers, and canteen staff is analyzed and sent to respective HODs for their comments, which subsequently will be brought to the notice of the Principal for review. Further actions are initiated depending on the remarks of the higher authorities in the form of giving facilities to improve the knowledge of the individual/appreciating the best performer and taking necessary action against unsatisfactory performers.

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.3.5/Feedback.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.3.5/Feedback.pdf</a>
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 institution conducts internal and external financial audits regularly. The institute considering the budget/SPP received by the departments/comes to the principal for further action. Management provides data on financial availability of funds, which enables them to achieve the institutional out by an in-house team making use of standard procedures on regular basis software, etc, the institution follows a standard system of inviting quotations, and preparation of purchase orders for every purchase. All expenses are approved by HODs and the principal. The institution has appointed M/s SNO: 0080948 as an external auditor. The auditor audits the annual accounts against the list of admitted students as per the approved list prepared by the institution is checked by the auditor with reference to discrepancies found in the statement will be rectified as per

the direccarried out for every assessment year.

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
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)

**NIL**

File Description	Documents
Annual statements of accounts	<b>No File Uploaded</b>
Any additional information	<b>No File Uploaded</b>
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

##### **Mobilization of Funds:**

Most of the funds required by the institution are met out of internal generation from fees. Apart from this, the institution delegated financial powers to the Executive Director who oversees and manages financial resources. The Karnataka Government regulates student fees. Over and above the fees fixed by the Government, the institution charges additional fees based on the infrastructure, faculty strength, and sanctioned students' strength.

The other sources of income include transportation, admission,application, examination, hostel fee, etc.

The Institution lends on a payment basis its infrastructure to

File Description	Documents
Paste link for additional information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdii6I1ZWdTZzeWlmWWdnSlEwcjkyNnRweleE9PSIsInZhbHVlIjoireU4KzhZaWMvVFRDYVpUNlMvNWpZNk80Zm1OaHQ2VDBaRVhWVmduMzVCYitrRXptdE9revIldGd4WWYzM2RtKyIsImlhYyI6IjZiOWE4MTElMzI0MjdkMDk5YzdiMjllNmFkMDA3Zjc5MmM0ZDE3MzExNTgzOWRiNDcxYTg5ZTA4NjJjNmIwYmIiLCJ0YWciOiIiifQ==">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdii6I1ZWdTZzeWlmWWdnSlEwcjkyNnRweleE9PSIsInZhbHVlIjoireU4KzhZaWMvVFRDYVpUNlMvNWpZNk80Zm1OaHQ2VDBaRVhWVmduMzVCYitrRXptdE9revIldGd4WWYzM2RtKyIsImlhYyI6IjZiOWE4MTElMzI0MjdkMDk5YzdiMjllNmFkMDA3Zjc5MmM0ZDE3MzExNTgzOWRiNDcxYTg5ZTA4NjJjNmIwYmIiLCJ0YWciOiIiifQ==</a>
Upload any additional information	<a href="#">View File</a>

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

IQAC contributes significantly to quality achievement, sustenance, and enhancement by formulating various procedures. It draws strategies through curricular aspects, TLP, research, community engagement, HR management, industry interaction, placements, infrastructure, learning resources, student support, governance, leadership, and management operations. IQAC puts in place mechanisms for ensuring implementation of all policies, and reviews all activities.

The institution uses many e-Governance modules for smooth day-to-day operations in areas of Administration, Admissions, Examinations, and Accounts.

The institution has procured licensed software. The institution has developed its own ERP software for students' evaluation,

maintaining staff and student databases, and networking with parents/guardians.

#### OUTCOME:

Timely communication to the parents/guardians regarding students'

Performance and attendance for monitoring and improvement of academic standards.

#### Best Practice 2

The institution focuses on quality, in day-to-day functioning as well as environmental management. To achieve this, the management has obtained ISO certification - Integrated Management System, combining the Quality Management System with the ISO standard 9001:2015 and Environmental Management System with the ISO standard 14001:2015. TÜV NORD was involved in the assessment and ISO certification.

File Description	Documents
Paste link for additional information	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.3.5/Feedback.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR6/6.3.5/Feedback.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

IQAC IS functioning since 2014 with the purpose of quality improvement strictly adheres to active involvement in the holistic all-round development of the institution. Along with delivery of syllabus, all cross-cutting issues like gender sensitivity, equality, and social issues are addressed in CPD. IQAC ensures that all these cross-cutting issues are included in the curriculum.

Advanced ICT Tools are used to ignite thought processes among the students.

IQAC is proud of the improvement in the usage of ICT tools even

during the pandemic situation. The TLP of the institution is reviewed and audited by the Feedback Committee and Academic and Administrative Audit Committee. The committees after collecting the data at regular intervals in an academic year, carefully analyze them and report their findings to IQAC. All the other Committees /clubs /cells contribute to support the methodologies like cross-cutting issues, academic and non-academic issues. IQAC provides all the facilities for holistic all-round development of the students and makes them "Fit for Purpose". Continuous evaluation of the students is carried out through formative assessment and summative assessment

File Description	Documents
Paste link for additional information	<a href="#">NIL</a>
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)**

**C. Any 2 of the above**

File Description	Documents
Paste web link of Annual reports of Institution	<a href="#">NA</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	<b>No File Uploaded</b>
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

a) **Safety and Security:** Ensuring a safe and secure environment for all stakeholders within an institution is paramount for fostering productivity, well-being, and overall success. Here are some steps that institution takes to fulfil this commitment:

1. The institution provides trained and committed security personnel for ensuring the safety of all stakeholders on the campus. Entry of all staff and students is upon verification of their identity. Visitors' entry is allowed after proper verification.

The campus is on 24 x 7 CCTV surveillance. Anti-Ragging Cell conducts regular awareness programs. "PRATHIRODHANA" is constituted from responsible faculty members for the prevention of sexual harassment and ensures zero-tolerance against sexual harassment.

2. Fire extinguishers are installed in all buildings/floors. By prominently displaying proper signage throughout the campus, the institution enhance safety, accessibility, communication, and environmental sustainability for all stakeholders.

3. "SAMARTHINI", the women empowerment cell, organizes various programs to create gender sensitivity and gender equity.

b) **Counseling:** "PARIVARTHANA", the student's counseling cell conducts programs to address the psychological issues faced by the students. Counselling sessions are provided to students with professional counsellor. The institution has 15 trained counselors.

c) **Common Room:** The institution has separate common rooms for boys and girls, consisting of a bed, drinking water facility, and a stretcher, a wheelchair, and first aid box, for medical emergencies.

File Description	Documents
Annual gender sensitization action plan	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/7.1.1a.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/7.1.1a.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://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/7.1.1b.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/7.1.1b.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**

#### **Solid Waste Management**

Solid waste is collected separately using the dust bins which are placed on all the floors labelled as dry and wet waste to maintain cleanliness. Emptying of the dustbins is done periodically. All degradable waste that is produced on the campus is stabilized in a 400 litre Bio composter and Bio digester. The stabilized manure collected is used for campus greeneries. The debris generated from the incinerator is collected and safely disposed. Non-biodegradable waste generated in the campus is collected and safely disposed to Municipal Corporation. Recycling waste like plastics, newspapers, etc. is sold to scrap dealers.

#### **Liquid Waste Management**

The institution has systematic sewage networks and 80 KLD capacities Sewage Treatment Plant. Treated water is used for campus greeneries.

#### E-Waste Management

The institution has a systematic protocol to manage the e-waste and is disposed to certified dealers.

#### Hazardous Chemical Waste Management

Hazardous chemical waste which is generated in the laboratories is collected at a specific location and transferred to a collection tank for safe disposal by an authorized dealer.

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	<b>No File Uploaded</b>

#### 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**

**A. Any 4 or all 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**

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

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	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<a href="#">View File</a>
Any other relevant information	No File Uploaded
<p>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).</p> <p>The Institution through its committees/clubs/cells creates an atmosphere of tolerance and harmony in diverse domains such as cultural, regional, linguistic, communal, socio-economic. The institution always lays emphasis on healthy, peaceful, and joyous, and progressive campus for all the students and staff. With the clear-cut inputs from the management and principal, the institution conducts cross-cultural, cross-linguistic, and cross-community events within and outside the campus to achieve an all-inclusive environment for the students and staff. Most of the students enthusiastically participate in these events irrespective of the region, language and community. This helps student understand the The events also aid in fostering interpersonal relationships. A few of the events are International Yoga Day, Hombelakku, Ganesha Festival, Ambedkar Jayanthi, Sadbhavana Diwas, Swatch Bharat Abhiyan, and Blood Donation Camp. These events help the students to imbibe qualities like respect for their own and others' culture, democratic ways of thinking and selfless service.</p>	
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 institution organizes various activities for sensitizing the students and staff towards inculcating values, rights, duties, and responsibilities for being responsible citizens of our country. The institution celebrates Ambedkar Jayanti, to promote national integration among students by taking the National Integration Pledge. The institution conducts programs on Human Rights and responsibilities, and the importance of national integration to create awareness among students on human rights and citizens' responsibilities for creating an atmosphere of harmonious co-existence. The institution organizes Swachh Bharath Abhiyan to create awareness about cleanliness in and around the campus, and also organizes blood donation camps to encourage students to contribute as a service to society. The institution celebrates all national days. These events involve hoisting and unfurling the national flag by the principal. The institution also celebrates Independence Day and Republic Day.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/7.1.9.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/7.1.9.pdf</a>
Any other relevant information	<a href="#">Nil</a>

**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**

**A. All 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

The institution celebrates National and International commemorative days, events and festivals with a view to promote patriotism, human values and inclusiveness. The institution celebrates Independence Day, Republic Day, and Gandhi Jayanthi. Institute celebrates Ambedkar Jayanthi in remembrance of Dr. B. R. Ambedkar. Kannada Rajyotsava is celebrated in the month of November. Sadbhavana Diwas is also celebrated. International commemorative days like International Yoga Day, As well as national commemorative day like National Sports Day are celebrated. The major festivals like Ganesh Chaturthi, Ayuda pooja, Navarathri and Diwali are celebrated to imbibe cultural values among the students.

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	No File Uploaded
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.

**Best Practice-1 Self Study Report of SAPTHAGIRI COLLEGE OF ENGINEERING Title: "MARGADARSHI" - Student Proctoring System Objectives To provide a strong support system between the**

Mentor and Mentee. To monitor the students' progress and advise them to improve their all-round performance Context: The students, entering a new and challenging environment need empathy, support, and counsel. Practice: Each staff monitors 20 mentees. Parent-Teachers' Meetings are conducted regularly. Weak students are provided coaching for improvement. Parents/guardians are apprised of academic progress and irregularities of their wards. Evidence of Success: Improvement in academic performance, placements, and behavior is noticed.

Best Practice-2 Title of the Practice: SAPTHAGIRISAPTHAPADA- (Students Community Conviction) Objectives: To involve students in community services. To understand societal concerns and formulate a holistic activity. Context of the practice: Our students also serve the neighborhood, through extension activities and get acquainted to societal problems for holistic development. Practice: Sapthagiri Sapthapada is an institutional initiative to network students who are encouraged to involve in extension activities that are implemented through the clubs: NSS, ECO, Community, Health clubs, Equal Opportunity, Women Empowerment, and Anti-sexual harassment cells. Evidence of success: Students were sensitized to environmental responsibility and societal equality. Problems encountered: Organizing the events in schools and villagers is challenging.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/721.pdf">https://www.sapthagiri.edu.in/designs/naac/AQAR2022_23/CR7/721.pdf</a>
Any other relevant information	<a href="#">NIL</a>

### 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

Title: "PARIPOORNATHE" (Excellence through Sports and Culturalactivities) PARIPOORNATHE stands for completeness and is in line with theMission and Vision of the Institution.The institution stands out among its peers in academics, culture,and sports.The Institution believes that excellence in

engineering education cannot be achieved with mere academic accomplishments. The prime motto of the Institution is to encourage and promote the students not only to excel in academics but also to insist on their participation in sports, cultural, extra-curricular, and extension activities, so as to enable them to acquire multiple skills. Knowledge, skills, and human values are the hallmarks of excellence in a student. Accordingly, IQAC is tasked not only towards academic excellence but also to ensure excellence in sports, cultural, extra curricular, and extension activities. The cultural committee provides various platforms to promote cultural activities at the institution which include Navarathri Pooja, Kannada Rajyotsava, Madhurya: a musical competition, Okuli: a series of competitions related to colors like Rangoli, Painting, Design Stitching, Origami, Flower Arrangement, Craftwork, etc. The department of physical education trains and supervises students in Yoga, physical exercises in the gymnasium, indoor and outdoor games. It also organizes sports meet, University meets, and various intercollegiate sports events.

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

#### Plan of Action for 2022-23:

1. The institution will apply for the NIRF ranking in the AY 2022-23.
2. The institution will also apply for Atal Ranking of Institutions on Innovation Achievements
3. The institution is in the process of applying to the Visvesvaraya Technological University for the grant of autonomy under it, which will give a major impetus to missions towards achieving the vision 4. The institution will apply to VTU for the status of Research Centre in Mathematics and Civil Engineering departments.
5. In addition to already sanctioned funds, the institution will apply to the central, state and private funding agencies to carry out research.

