YEARLY STATUS REPORT - 2021-2022

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

• Financial Status	**Self-financing**
• Name of the Affiliating University	**Visvesvaraya Technological University**
• Name of the IQAC Coordinator	**Dr. R Harish**
• Phone No.	**08028372800**
• Alternate phone No.	**9448349733**
• Mobile	**9448349733**
• IQAC e-mail address	**iqac@sapthagiri.edu.in**
• Alternate Email address	**rharish@sapthagiri.edu.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://sapthagiri.edu.in/uploads/595acdb41a8b2ea3a3bb6f21dd582846.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://sapthagiri.edu.in/uploads/dd169cd8e9c0f821db0f93399018cc27.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.02**	**2021**	**08/02/2021**	**07/02/2026**

6.Date of Establishment of IQAC	**15/04/2014**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	**NIL**	**NIL**	**NIL**	**NIL**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**
• Upload latest notification of formation of	View File

IQAC		
9.No. of IQAC meetings held during the year	`4`	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	`Yes`	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	`No`	
• If yes, mention the amount		

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

`1. Motivational talk "Literature Review & E-Resources for Academic Research" by Dr. I.R.N. Goudar, Ex. Scientist 'G' and Head, ICAST, National Aeronautics Labs, Bangalore was organized on 26th March - 2022 at 2.30 pm.`

`2.Organized talk on " IPR Challenges and Limitation" by Dr..Vivek Anand Sagar, Advocate Patent Cell, KSCST on 29th April 2022.`

`3. Conducted Faculty Development Program on, "Innovative Tools / Techniques to Improve Quality of Teaching Learning" from April 7th to 9th , 2022.`

`4.Organized international Conference ICGCP—2022, "Global Convergence in Technology, Entrepreneurship, Computing & Value Engineering: Principles and Practices " from 24th to 26th June-2022`

`5.Uploaded AICTE Mandatory Disclosure data for the academic year 2021-22 on institution website`

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
Talk on Research Methodology	Motivational talk, "Literature Review & E-Resources for Academic Research" by Dr. I.R.N. Goudar, Ex. Scientist 'G' and Head, ICAST, Nat, Aero. Labs, Bangalore was organized on 26th March - 2022 at 2.30 pm
Talk on IPR	Organized talk on " IPR Challenges and Limitation" by Dr.Vivek Anand Sagar, Advocate Patent Cell, KSCST on 29th April 2022.
FDP on Innovative tools in Teaching - Learning	Conducted Faculty Development Program on, "Innovative Tools / Techniques to Improve Quality of Teaching Learning" from April 7th to 9th , 2022
ICGCP-2022, International Conference	Organized international Conference ICGCP—2022, "Global Convergence in Technology, Entrepreneurship, Computing & Value Engineering: Principles and Practices " from 24th to 26th June-2022
AQAR 2020-21 Preparation and Submission	Compiled and submitted AQAR 2020-21 in March -2022
Preparation of Mandatory Disclosures	Uploaded AICTE Mandatory Disclosure data on college website
Review of students project proposals to KSCST	Submitted proposals to KSCST.
Review and submission of Faculty Research Proposals to VGST	Submitted proposals to VGST.
Academic Audit of Departments for 2021-22	Review of Course file and Personal file conducted
Review of Monthly activity report of departments.	Completed.

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

- Name of the statutory body

Name	Date of meeting(s)
Governing Council	07/09/2022

14.Whether institutional data submitted to AISHE

Year	Date of Submission
Submitted academic year 2021-22	29/12/2022

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. Aadalitha Kannada (Kannada for Administration)
4. Vyavaharika Kannada (Kannada for communication)/
5. Constitution of India, Professional Ethics and Cyber Law
6. Environmental Studies
7. Innovation and Design Thinking
8. Scientific Foundations for Health.

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 value-based education towards the attainment of a holistic and multidisciplinary education. Explain

1. The institution offers flexible and innovative curricula that includes credit-based Courses as well as noncredit mandatory assignments like 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. Removal of cationic dyes used for staining silk clothes by nano photochemical process- effluent source from

Kamakshipalaya (Bangalore city)

Brief Description:

Textile effluent is one of the major contributions for water pollution due to the presence of various combinations of harmful dyes. "Kamakshipalya" an area located in the eastern part of Bangalore has residents whose major occupation is dying. The cottage industry of the area lets out a large amount of effluent to the sewage directly without treating it. Thus this leads to wastage of water. In this research work we aim to reduce the concentration of three majorly used dyes in these textile industries, namely Acid red, Colocid blue and DC Black by utilizing activated carbon. The activated carbon used in the purification process is obtained from subjecting the coconut shells to high temperatures.

2. Face Mask and Social distance detection using AI and ML

This project deals with detecting whether a person is wearing mask or not. It helps to detect whether people are maintaining social distance. This is very useful n the pandemic situation to prevent the spread of the virus. This project is developed using Artificial Intelligence and Machine Learning algorithms.

3. Drowsiness Detection using ML

Drowsiness Detection using ML project deals with identifying whether a driver is feeling drowsy or not. If he is drowsy then an alarm rings and wakes up the driver to prevent accidents. Machine Learning techniques are used to develop this project

4. Leukemia cancer cells detection using Image Processing

A method by which an automated system is developed and designed to ease the detection of cancer disease in a short period of time and also which is cost efficient. An automatic model is developed using digital image processing method of Machine Learning to work without any requirement of the lab technicians to analyze the result

d) What is the institutional plan for offering a multidisciplinary flexible curriculum that enables multiple entry and exits at the end of 1st , 2nd and 3rd years of undergraduate education while maintaining the rigor of learning? Explain with examples

As the instititution is affiliated to VTU, as per the guidelines multiple entry and exits are not applicable.

e) What are the institutional plans to engage in more multidisciplinary research endeavors to find solutions to society's most pressing issues and challenges?

Students of all the semesters are involved in developing mini and major projects as a part of their curriculum. The projects are selected based on the following,

1. To design a technology / Solution to existing problems in the society.

2. To design / develop a technology that involves multidisciplinery research endeavours. For example , Power generation using non-conventional energy sources, Self operated Water Filter for rural application, Application of IOT to meet challenges in society, Design & development of devices to support aged / Specially abled people, Designing technologies for Agrriculture based issues, Developing technlogy for Medical applications etc.

3. Students are encouraged to make project teams involving members from different branches to execute multidisciplinery projects.

4. Students are motivated to apply for funding from Govt / Research organizations to carryout projects meeting social needs.

4. Faculties are also encouraged / suuported to write proposals to apply for funding to execute projects related to social issues and challenges.

5. Infrastructure / Research lab facilties are provided in the campus for the benefit of students / faculty to execute the projects related to social issues.

Describe any good practice/s of the institution to promote Multidisciplinary / interdisciplinary approach in view of NEP 2020.

The institution has made it mandatory for every student to participate in Skill development certification programs organized by the concerned department and must carry-out mini projects in every semester.

List of Skill based trainning programs

1. Five Days workshop on AutoCAD

2. Workshop on Design development and deployment ao electronic

product

3. Hands on workshop on LabView

4. Hands on Revit architecture

5. 5-days workshop on Data Structures

6. Workshop Cloud Computing

7. Hands on Workshop on Java Programming

8. Hands on workshop on Machine Learning

9. Workshop on C Programming

10. Workshop on Object oriented Programmmong

11. Workshop Online student development program on Web Technology and its Application

12. Workshop on A quick start to Machine Learning with Python

13. Workshop How to present oneself during interviews & Session

14. Workshop on Interpersonnel Skills

15. Hands on traning on Missing link of Computational Biology in Wet lab research

16. Workshop on "Agribusiness Entrepreneurship"

17. Workshop on Handling Fluorescent and Dark field microscopes

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.

 VTU is an ABC registered university and the institution is

affiliated to VTU. Students and faculty of the institution have been informed about Academic Bank of Credits as per NEP 2020, through circular issued by the university April 4 2022 (Ref. NO : VTU/BGN/BOS/SO2/2021-22 35)

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 trainning programs

1. Five Days workshop on AutoCAD

2. Workshop on Design development and deployment ao electronic product

3. Hands on workshop on LabView

4. Hands on Revit architecture

5. 5-days workshop on Data Structures

6. Workshop on Cloud Computing

7. Hands on Workshop on Java Programming

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13. Workshop How to present oneself during interviews & Session

14. Workshop on Interpersonnel Skills

15. Hands on traning on Missing link of Computational Biology in Wet

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lab research
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16. Workshop on "Agribusiness Entrepreneurship"
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17. Workshop on Handling Fluorescent and Dark field microscopes
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18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

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The college is affilated to the Visvesvaraya Technological
University (VTU). The cuiiriculum includes teaching the local
language during the third semester called Samskrutika Kannada which
highlights the values and culture from a historical perspective.
Further, the college conducts cultural programs on the occasion of
national festivals and state festivals. These are taken as
opportunities to instill among the students and staff a sense of
patriotism. Students from other parts of the country also get to
learn about the traditional art forms, music etc. from these
gatherings. Also students are taken for visits to places which are
rich in our culture and heritage and given an oppartunity to
interact with various artists and technicians.
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19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

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The college follows the curriculum provided by VTU. Faculties along
with black board teaching, use power point presentations,
Animations, Physical Models and Charts in class room teaching.
Through demonstration of working of machines , equipments and
mechanisms in lab theoretical concepts are made more clear.  Whereas
the classroom lectures are carried out as per the prescribed
syllabus, there is flexibility in hand-on-experience such as mini-
project, capstone project, internships, AICTE mandated activity
points etc. These are designed to be in tune with the requirements
of OBE. Students are asked to carry out mini-prtojects where they
learn about circuits, sensors, optics, related theoretical concets
but not part of the syllabus. Students are required to make
presentations on their projects, which will make their understanding
clearer.
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20.Distance education/online education:

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All the classes are conducted in the offline mode. During a brief
COVID lockdown in early 2022, classes were conducted in online
mode.Faculties also share  videos, lectures and useful learning
materials on-line to enrich learning experience of students.
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Extended Profile

1.Programme

1.1	325
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	2551
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	292
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	737
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	196
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.2	150

Number of sanctioned posts during the year	

File Description	Documents
Data Template	[View File](#)

4.Institution

4.1 Total number of Classrooms and Seminar halls	**50**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**372.66**
4.3 Total number of computers on campus for academic purposes	**805**

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

The institution ensures effective curriculum delivery through a well-planned and documented process. Sapthagiri College of Engineering is an ISO 9001-2015 &14001-2015 certified Institution affiliated to Visvesvaraya Technological University (VTU) and follows the scheme and syllabus prescribed bythe university. However the curriculum is prepared by the Institution in line with Institution's Vision and Mission.Curriculum Planning, Delivery & Review. 1. Calendar of events is prepared to include academic, sports and cultural activities prior tothe commencement of the academic year (AY),Time table is prepared and circulated among faculty and students. 2. The course plan is prepared by the concerned faculty and delivered through Chalk and Talk, PPTpresentations,use of illustrative models, ICT tools like NPTEL videos, Google classroom and innovative teaching methods like case studies, role plays etc. 3. Certification/Add on courses, guest lectures, webinars, and workshops areconducted with IQAC-approval to enhance students' knowledge in current trends. 4. Curriculum is also delivered through various activitiesthrough cells and clubs by integrating cross cutting issues like gender sensitization, environmental sustainability, professional ethics and human values. 5. The

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

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

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 allstaff 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. Time-table 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 anounced to both studentsand parents as per the schedule.

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

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.	**A. All of the above**

Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	

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

1.2 - Academic Flexibility

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

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

7

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

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

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

6

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

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

562

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

1.3 - Curriculum Enrichment

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

The Institution offers courses prescribed by VTU, integrating the cross cutting issues such as human values, professional ethics andenvironmental sustainability. A course on constitution of India and professional ethics is included in all engineering programs toinculcate human valuesand professional ethics. Various activities are conductedto imbibe core human values. Environmental Sustainability: The institution offersEnvironment Studiescourse 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 following activities are conducted ECO Club: Best-out-of-waste, awareness on global warming, effects of environmental pollution and traffic awareness.

NSS Unit: Swachh Bharat Abhiyan, World Water Day, health camps, exhibitions and voluntary blood donation camps.

SAMARTHINI-Women Empowerment Cell: Role of Forensic Medicine to Detect Sexual Harassment & Attain Equanimity -National Level Webinar and Women Innovators and Entrepreneurs for Socio-Economic Revolution to Attain Equality During Pandemic Situations- aSeminar.

SAPTHA-SAMATHA-Equal Opportunities Committee: Awareness programson computer usage, children's safety andwomen's hygiene to the rural school students.

Awareness programs on computer usage, children's safety and women's hygiene to the rural school students.

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

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

270

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

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

2348

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students	**A. All of the above**

Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	https://www.sapthagiri.edu.in/feedback
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	No File Uploaded

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	View File
URL for feedback report	https://www.sapthagiri.edu.in/designs/naac/AQAR2021_22/CR1/1.4.2/141fbanalysisindex.pdf

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

556

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

69

File Description	Documents
Any additional information	[View File](#)
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

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

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	[NA](#)
Upload any additional information	[View File](#)

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

Number of Students	Number of Teachers
2551	196

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

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	[View File](#)
Link for additional information	Nil

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

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

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

2.3.3.1 - Number of mentors

116

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

2.4 - Teacher Profile and Quality

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

196

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	**No File Uploaded**
List of the faculty members authenticated by the Head of HEI	View File

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

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

40

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

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

2.4.3.1 - Total experience of full-time teachers

6

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

2.5 - Evaluation Process and Reforms

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

The 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 blue books 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	[View File]
Link for additional information	[NA]

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, marks cards, photocopy, degree certificates etc.

File Description	Documents
Any additional information	View File
Link for additional information	NA

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	View File
Paste link for Additional information	NA
Upload COs for all Programmes (exemplars from Glossary)	View File

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

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	View File
Paste link for Additional information	NA

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

714

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	NA

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://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR2/2.7/Student%20Satisfaction%20Survey-%202022.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)

8.525

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

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

3.1.2.1 - Number of teachers recognized as research guides

0

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

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

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

5

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR3/311a.pdf

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.

Few of the innovative Projects are,

Obstacle detection and home appliances control using smart wheelchair for crippled patients:

This device is user friendly for aged and physically challenged people to move inside the home without any difficulty and also outside,

Driver dormant monitoring system to alert fatal accidents using image processing

This system detects driver's drowsiness based on measurement of face and eye detection and also alcohol consumption by the driver, then the ignition will not turn on.

Electric Bicycle

It's an e-bike which reduces physical effort of the rider and propels the vehicle by the combination of pedaling and battery power electric motor.

Efficient Eye blink detection method to assist paralyzed patients using Artificial Intelligence:

A human-computer interface is developed for a paralyzed patient using eye motion and eye detection which is for aged or physically challenged people.

Solid fuel operated propellant:

A solid propellant rocket prototype is fabricated and launched reliably which lands via parachute technology. It uses an IoT launch pad which can be controlled wirelessly.

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

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

15

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

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

1

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

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

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

46

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

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

33

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

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 Health club have arranged Plastic Free awareness camp on 25/10/2021 in which the students of the institution in large have participated.
2. The NSS unit of the institution have organized voting awareness and oath taking by students on "National Voters Day" on 25/01/2022 in which the students of institution had participated in large.
3. The NSS unit, Health club and Red Cross Society have also organized Mega Voluntary Blood Donation Camp on 17/12/2021 in the campus of institution in which the students in large have participated.
4. The NSS unit in hands with ADRISHYA, a social group, have carried out Vastradhan by collecting clothes from faculty and students on 17/11/2021.
5. 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	Nil
Upload any additional information	View File

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

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

0

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

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

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

11

File Description	Documents
Reports of the event organized	View File
Any additional information	**No File Uploaded**
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

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

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

1880

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

3.5 - Collaboration

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

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

1

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

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

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

33

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

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: Class Rooms 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 equipmentand 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	[View File](#)
Paste link for additional information	https://www.sapthagiri.edu.in/designs/naac/AQAR2021_22/CR4/4112.pdf

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 artamphitheatre with a seating capacity of 2500 to conduct various college co-curricular and extracurricular activities. The institute providesstudents 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 andhealthy. 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 andYoga 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	View File
Paste link for additional information	NA

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

50

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

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

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

61.9

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File

4.2 - Library as a Learning Resource

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

Library and Information Centre

The institution has a fully automated library, in 2013, of 724 sq.m area,withstafffor everyday transactions, procurement,maintenance ofdigital resources, etc.It uses opensource e-Granthalaya software-version 3.0 for acquisition,cataloging, circulation, procurement, serial control modules, and Online Public Access Catalog (OPAC). All the library documents are bar-coded and are issued using bar-code scanning.The library containsbooks, magazines/newspapers for thecomprehensive development of students and is kept on separate racks.

Features of e-Granthalaya: 1. Minimum user interactionfor storageand backup. 2. Easy and effective maintenance of data on books andjournals. 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 of transaction data. 6. Acquisition modulefor 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	[View File](#)
Paste link for Additional Information	https://www.sapthagiri.edu.in/designs/naac/AQAR/CR4/42/421.pdf

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	**A. Any 4 or more of the above**

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

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

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

18.29

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

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

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

28

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

4.3 - IT Infrastructure

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

Frequency of Update: Academic Year 2021-22:The institute procures software from Microsoft (MS) for the upgradationof 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-2700is installed and upgraded regularlyon all digital computing systems for their protection.The institute procures various accessories such asD-link, switches, webcams, graphic cards, RAM chips, etc as per requirement.

Internet & Wi-Fi: The institute has adedicated 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	**No File Uploaded**
Paste link for additional information	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR4/431.pdf

4.3.2 - Number of Computers

805

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution	**A. ? 50MBPS**

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

310.76

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

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 areperiodically inspected/calibratedand preventive maintenance is carried out bytechnicians. Utilization and maintenance of Library:The Library Committee of the institution monitors the procurement and

followsupon 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: ThePhysical Education Director (PED) along withdepartmental faculty coordinators meet regularlyto discuss sports-related issues such as planning and organizing inter and intra-collegeevents 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 maintainsall 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	<u>View File</u>
Paste link for additional information	<u>NA</u>

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

1664

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

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

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

61

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

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

File Description	Documents
Link to Institutional website	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR5/5.1.3/INDEX513.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

`30`

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

`30`

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

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

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

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

480

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

19

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

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

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

30

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

5.3 - Student Participation and Activities

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

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

20

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	**No File Uploaded**
Number of awards/medals for outstanding performance in sports/cultural activities at univer sity/state/national/international level (During the year) (Data Template)	View File

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

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 Actvities of the Institution having students'representativesare:

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	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR5/5.3.2/index532.pdf
Upload any additional information	View File

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

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

24

File Description	Documents
Report of the event	View File
Upload any additional information	**No File Uploaded**
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The SCE has a strong network ofAlumni 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 thelatest trends in technology, internship, employability, and higher educational opportunities in India and abroad. They also contribute todeveloping interpersonaland managerial skills. The Association helps in improvising the curriculum by their valuable feedback about the industry needsto 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	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR5/5.4/Alumni%20Talks.pdf
Upload any additional information	View File

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 faculties about entrepreneurship to meet vibrant requirements of the society.Strengthen Industry-Institute Interaction for knowledge sharing. Sapthagiri College of Engineering, Bengaluruwas established by SriSrinivasa Educational and Charitable Trust in the year 2001.The Management has constituted the Governing Council (GC) which includes Chairman, ManagingDirector, Eminent Personalities nominated by the Government, facultyrepresentatives, the principal being themember secretary. InternalQuality Assurance Cell (IQAC) mandates the departments as well asvarious Committees/Clubs/Cells to prepare their strategicperspective plan (SPP), and obtain the approval of GC, which needsto takecare of all the quality needs of the students for theirholistic development. The Managementsupportsall the stakeholdersto achieve the vision and the mission of the Institution. TheCollege Council (CC) is authorizedto approve academic issues ofthe institition.

File Description	Documents
Paste link for additional information	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR6/index/6.1.1.pdf
Upload any additional information	**No File Uploaded**

6.1.2 - 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 variouscommittees/cells/clubs. As members of IQAC,SCEAA is also involved in the implementation and overseeing of SPP. association and industry expertsas 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	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR6/index/6.1.2.pdf
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

IQAC prepares SPP and budget by involving all the stakeholders of the Institutionat the beginning of each semester in line with University and Institutional Academic Calendar and gets the approval of the GC. Planned programs of SPP are effectively deployed by 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 STUTI supplements and complements the gaps in the curriculum. It conducts training programs and workshops to

inculcate skills required forinter-andintra-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 inan impressive placement record. STUTIis 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	View File
Paste link for additional information	https://sapthagiri.edu.in/designs/naac/AQAR2 021_22/CR6/index/6.2.1.pdf
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 rolein 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, for office administration. The organogram of the administrative setup is given as a link.

File Description	Documents
Paste link for additional information	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR6/index/6.2.2.pdf
Link to Organogram of the institution webpage	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR6/6.2.2/Organogram%20of%20the%20Institution.pdf
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	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

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, andfor treatment are covered under Group Insurance. The details of welfare measures deployed by the Management are uploaded.

File Description	Documents
Paste link for additional information	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR6/index/6.3.1.pdf
Upload any additional information	**No File Uploaded**

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

02

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

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

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

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	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

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

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

208

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	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

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

The Institution has put in placea well laid-out Performance Appraisal System. The staff members perform self-appraisal which will be reviewed by the concerned HOD,and Principal. The self-appraisal scheme is designed to evaluate the staff in terms ofparameters 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 goalsat 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 form of giving facilities to improve the knowledge of the individual/appreciating the best performer and taking necessary action againstunsatisfactory performers.

File Description	Documents
Paste link for additional information	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR6/index/6.3.5.pdf
Upload any additional information	No File Uploaded

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. IQAC consolidates the budget/SPPof the institute considering the budget/SPP received by the departments/committees/clubs/cells and forwards the same to the principal for further action. Management provides financial supportto the departments based on the availability of funds, which enables them toachieve the institutional objectives. The internal audit is carried out by an in-house team making use of standard procedures on regular basis.For procurement of equipment, software, etc, the institution follows a standard system of inviting quotations, comparison of rates and quality, and preparation of purchase orders for every purchase. All expenses incurred are necessarily with the approval of HODs and the principal. The institution has appointed M/s S.R. & M.R. ASSOCIATES, CAFIRM with REGN NO: 0080948 as an external auditor. Thea uditor audits the annual accounts and examines evidence offees collection against the list of admitted students as per the approved list of KEA/VTU. The balance sheet prepared by the institution is checked by the auditor with reference to the invoices and receipts. Any discrepancies found

in the statement will be rectified as per the direction of the auditor. This exercise is carried out for every assessment year.

File Description	Documents
Paste link for additional information	[NA](NA)
Upload any additional information	View File

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

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

Nil

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

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 institutiondelegatedfinancialpowersto the Executive Directorwho 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 examinationslike COMEDK, GATE, and CAT. Strategies for optimal utilization of resources: The institution lends its resources on the premisesfor activities like short film shooting, feature film shooting, sports meet, audio

andvideo 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	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR6/index/6.4.3.pdf
Upload any additional information	**No File Uploaded**

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, andAccounts.The institution has procured licensed softwares. The institution has developed its own ERP software for students' evaluation, maintaining staff and student databases, and networkingwith 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.

OUTCOME:

The campus is self-driven in terms of standardization of procedures to be followed and also in standard file management.

File Description	Documents
Paste link for additional information	NA
Upload any additional information	No File Uploaded

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 purposeof quality improvement strictly adheres to active involvement in the holistic all-round development of the institution. Along withdelivery 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 in CP Deven during the pandemic situation. The TLP of the institution is reviewed and audited bythe 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	NA
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	C. Any 2 of the above

File Description	Documents
Paste web link of Annual reports of Institution	NA
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

a) Safety and Security: The institution provides a safe and secure environment for all the stakeholders to function effectively free from oppression and threat.

Steps to ensure safety and security for all as mentioned below:

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 affected after proper.

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. Signages are prominently displayed on the campus. 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. Theinstitution 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	https://www.sapthagiri.edu.in/designs/naac/AQAR2021_22/CR7/7.1.1/wec.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.sapthagiri.edu.in/designs/naac/AQAR2021_22/CR7/7.1.1/facilities%20updated.pdf

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	View File
Any other relevant information	View File

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

Solid Waste Management:

Solid waste is collected separately using the dust binswhich are placed on all thefloors labeled as dry and wet waste to maintain cleanliness. Emptying of the dustbins is done periodically. All degradable waste that is produced onthe campus is stabilized in a400 literBio composter andBio digester. The stabilized manure collected is used for campus greeneries. The debris generated from the incinerator is collected and safely disposed of. Non-biodegradable waste generated in the campus is collected and safely disposed toMunicipal Corporation. Recycling waste like plastics, newspapers, etc. is sold to scrap dealers.

Liquid Waste Management

The institutionhas systematic sewage networks and 80 KLD capacities Sewage Treatment Plant. Treated water is used for campus greeneries. E-Waste Management The institutionhas a systematic protocol to manage the e-waste and is disposed of tocertified 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	[View File](#)
Geo tagged photographs of the facilities	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Any other relevant information	[View File](#)

7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping	**A. Any 4 or All of the above**

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

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	**B. Any 3 of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
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	**A. Any 4 or all of the above**

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**	

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

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

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 onhealthy, 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. The events also aid in fostering interpersonal relationships. A few of the events are, Madhurya,International Yoga Day,Anti-Terrorism Day,Hombelakku, Fit India: Freedom Run, Ganesha Festival, Ambedkar Jayanthi, Sadbhavana Diwas, Plastic Awareness Jatha, One student One plant, Student induction programme, Vaccination Drive, 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)	View File
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 Sadbhavana Diwas on the birth anniversary of the late Hon'ble Prime Minister Rajiv Gandhi,topromote 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 tocreate awareness among students onhuman 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 institute also celebrates Teacher's Day, Ambedkar Jayanthi,Engineers day, etc.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://sapthagiri.edu.in/designs/naac/AQAR2021_22/CR7/7.1.9%20merged%20pdf.pdf
Any other relevant information	NA

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,	A. All of the above

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

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

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

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 Teacher's Day, Engineer's Day, Ambedkar Jayanthiin remembrance of Dr. S. Radhakrishnan andSir M. Visvesvaraya, and Dr. B. R. Ambedkar. Kannada Rajyotsava is celebrated in the month of November. Sadbhavana Diwas and Rashtriya Ekta Diwas are also celebrated. International commemorative days like World Health Day, World Water Day, International Yoga Day, World Environment Day, International Anti-Drug Day. 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)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

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

Best Practice-1

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	https://www.sapthagiri.edu.in/designs/naac/AQAR2021_22/CR7/7.2.1%20final%20merged.pdf
Any other relevant information	NA

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 educationcannot be achieved with mere academic accomplishments. The primemotto of the Institution is to encourage and promote the studentsnot only to excel in academics but also toinsist on their participation in sports, cultural,extra-curricular, and extensionactivities, so as to enable them to acquire multiple skills.Knowledge, skills, and human values are the hallmarks of excellencein a student. Accordingly,IQAC is tasked not only towards academicexcellence but also to ensure excellencein sports, cultural, extra curricular,and extension activities. The cultural committeeprovides various platforms to promote cultural activities at theinstitution which include Navarathri Pooja, Kannada Rajyotsava,Madhurya: a musical competition, Okuli: a series of competitionsrelated 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. Italso organizes sports meet, University meets, and variousintercollegiate sports events.

File Description	Documents
Appropriate web in the Institutional website	View File
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.