YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	Sahyadri College of Engineering & Management
• Name of the Head of the institution	Dr. Rajesha S
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	9448100123
• Alternate phone No.	9448100123
• Mobile No. (Principal)	9448100123
• Registered e-mail ID (Principal)	principal@sahyadri.edu.in
• Address	Sahyadri Campus
• City/Town	Mangaluru
• State/UT	Karnataka
• Pin Code	575007
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	08/11/2021
• Type of Institution	Co-education
• Location	Semi-Urban

• Financial Status	`Self-financing`
• Name of the IQAC Co-ordinator/Director	`Mr. Vasudeva Rao P V`
• Phone No.	`8217894079`
• Mobile No:	`8217894079`
• IQAC e-mail ID	`iqac@sahyadri.edu.in`
3.Website address (Web link of the AQAR (Previous Academic Year)	https://sahyadri.edu.in/files/AQAR%202020-21.pdf
4.Was the Academic Calendar prepared for that year?	`Yes`
• if yes, whether it is uploaded in the Institutional website Web link:	https://sahyadri.edu.in/Home/calendar

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
`Cycle 1`	`A`	`3.09`	`2018`	`22/02/2017`	`21/02/2022`

6.Date of Establishment of IQAC	`28/08/2015`

7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Institutional	45th Series of Student Project Programme	KSCST	11/05/2022	1,84,000
Institutional	Financial Assistance for Innovative projects of UG Final Year	VTU	05/05/2022	50000
Institutional	Empowerment of Women Weavers	DSIR - Ministy of Science and Technology Govt of India	02/11/2021	27,91,000
Faculty	Research Fund	ICSSR,MHRD	14/03/2022	5,90,000

8.Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI	View File	

9.No. of IQAC meetings held during the year	2

• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes

• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded

10.Did IQAC receive funding from any funding agency to support its activities during	Yes

the year?	
• If yes, mention the amount	**30,000**

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

Formulated the academic rules and guidelines for the autonomous batches in line with the affiliated university and proposed Academic Guidelines for autonomous colleges

Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices and developing quality culture in the Institution

Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution

Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes

Organization of inter and intra institutional workshops on quality related themes and promotion of quality circles

12.Plan of action chalked out by IQAC at 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
To formulate the academic rules and guidelines for the autonomous batches in line with the affiliated university and proposed Academic Guidelines for autonomous colleges	**SCEM has successfully completed one year of academic practices under the Autonomous Status**
Internal Academic and Administrative Audits	**Academic and administrative audits are conducted every semester by the IQAC. This has ensured Ensuring timely, efficient and progressive performance of academic and administrative tasks.**
Organization of inter and intra institutional workshops	**IQAC has received a sponsorship of Rs 30,000/- to organise a State Level Workshop on "Teaching-Learning and Assessment Process as per OBE in Higher Education Institutions in line with NEP – 2020" to promote**

	quality benchmarks for various academic activities in Technical Institutions.
Participation in Accreditation and National Surveys	The impact of the Quality Initiatives would be measured by participating in various accreditation and national level survey programmes. The institute undergoes National Assessment and Accreditation Council (NAAC), National Board of Accreditation (NBA), Institute of Engineers (India) (IEI) accreditation after every cycle. SCEM participates in various national-level surveys such asNational Institutional Ranking Framework (NIRF), Atal Ranking of Institutions on Innovation Achievements (ARIIA), B-School Surveys, Outlook, Green Campus, etc.
Establish Digital Campus initiatives in phases	Mentor - Mentee module completed
To implement additional remedial actions to improve the performance of students in university examinations	Remedial and tutorial classes were conducted and improvement in the results of the core courses by 8 % was observed

13.Was the AQAR placed before the statutory body?	Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Academic Council	07/12/2022

14.Was the institutional data submitted to AISHE ?	Yes

- Year

Year	Date of Submission
2023	01/02/2023

15.Multidisciplinary / interdisciplinary

SCEM has always promoted Multidisciplinary / interdisciplinary activities amongst the fellow students and faculty members, In this regard, the following initiatives have been introduced

- The curriculum of First-Year Syllabus designed and developed under the autonomous scheme, in line with AICTE model curriculum of 160 credits and National Education Policy (NEP) and affiliated university(VTU) guidelines also includes Integrated Professional Core courses which will include laboratory components along with the theory.
- Skill Labs have been introduced for the autonomous batch to give additional future skill relevant hands-onto the students.
- To promote inter - disciplinary activities,Centre of Excellence in Artificial Intelligence and Machine Learning sanctioned under K-FIST LEVEL II by VGST, Centre of Excellence in Digital Forensics Intelligence sanctioned under CESEM scheme by VGST have been established. In addition to these CoEs, Sahyadri has already established 06 launchpads, NAIN Centre, 22 Inhouse Startups/LLPs and 03 Inhouse Industries for the benefit of Students and Faculty members for facilitating Internship Opportunities and promoting interdisciplinary R&D Activities.

16.Academic bank of credits (ABC):

To promote student-centric education and Focus on Implementation of an inter-disciplinary approach, students at Sahyadri are encouraged to open the Academic Bank of Credits (ABC) Account. Also, from the third Semester of the study, students are encouraged to acquire minor degree by earning minimum of 18 Credits (additional) through NPTEL Platform. Students' ABC account at this juncture would prove beneficial as ABC can be considered as an authentic reference to check the credit record of any student at any given point in time thereby boosting the efficiency of faculty and help students embrace a multi-disciplinary educational approach.

17.Skill development:

A skills lab is a learning method or form of learning that is used to jointly teach psychomotor skills (skills), knowledge, and affective (attitudes) using laboratory facilities. With this

intention, Skill Lab is introduced at SCEM from the First Year of Study. The course offered for the same would include training on Prototyping Course and Social Innovation Course. A student would undergo one course at a time per Semester. The course duration is designed for 2Hrs/Week. A total of 487 Students from the First Year have been benefitted by this initiative.

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

As per the VTU Notification dated 4th September, 2020 (Ref: VTU/ACA/A 9/2020-21/2110), Kannada Language is prescribed as a compulsory credit course to the students belonging to the First Year. In addition to this, Kannada Language is considered as the head of passing and will be considered for the vertical progression of students from even semester to odd semester. In line with the same, the Non – Kannadiga students will be completing a course on 'Balake Kannada' and Kannadiga Students will be completing a course on Samskrutika Kannada. Also, in addition to this, the students during their first year of study would be completing a course on Technical English and Constitution of India and Professional Ethics for further value addition.

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

The Institution has adopted Program Outcomes (POs) which are in line with the graduate attributes. The Institution has 12 POs, which are common across all technical education programs. Each department has a minimum of 2 and a maximum of 4 Program Specific Outcomes (PSOs) depending on the requirement at the departmental level. Every course has 4-6 Course Outcomes (COs). The COs are defined according to the reasonable CO-PO matrix provided by the Department accreditation coordinators who is also a member of IQAC. Next, the COs are outlined as per the well-defined and developed checklist by the course coordinator including the CO-PO/PSO mapping, levels of mapping, and the rationale behind each mapping. Likewise, assessment tools are also mentioned by the course coordinator, and all these are approved by the module coordinator. These COs are finally verified by the Program Assessment Committee of each department in order to maintain consistency of purpose.

An induction/orientation program for the third-semester students is organised by all the Departments, where the Department's Vision, Mission, PEO and PSO is briefed. Further, the students are made aware of the OBE practice followed in the department and the requirements of the National Education Policy (NEP) 2020. The outcomes of the program are assessed appropriately. The POs and PSOs

have been published on the Department webpage on the Institute website, Display boards at different locations (Department Library, HOD's Cabin, Department Office, Student Notice Board), Department Newsletter, Department Calendar, and Lab Manuals. POs and PSOs are made available to all the stakeholders of the program through meetings, student awareness classes, and student orientation programs. The faculty discuss the COs during the class session in every semester of their respective subject highlighting the OBE practices adopted and CO-PO Mapping and assessment methodology to bring more quality and to ensure proactive participation of the students in learning. The POs/PSOs of the program are displayed in the Institute and Department Premises like Program-specific classrooms, Program specific laboratories, Department Notice Boards The POs/PSOs of the program is disseminated to all the stakeholders of the program through Faculty meeting, Student induction program, Alumni meetings, Parents meetings, Employer meetings, Professional Body meetings.

20.Distance education/online education:

At SCEM, students have flexibility with online education to learn and explore at their own speed and according to their needs. Sahyadri College of Engineering and Management is a recognized centre for MOOC courses. Separate server is established, which provides access to the videos even in the offline mode. MOOC courses from recognized platforms are being provided for the benefit of the students. Further, the college has a NPTEL local chapter, using which, the students and the faculty members can access video tutorials within the campus. Also, the Institute provides Minor Degree and B.E Honors to its fellow students through NPTEL Platform as per the directions from the University.

In addition to this, to ensure, seamless and continued learning, a provision for recording the videos of the courses were provided to the faculty members. The institution has an in-house dedicated audio-visual studio, which facilitates recording and editing of the videos. Faculty members are provided with dedicated slots for recording their videos. The recorded videos are appropriately edited and streamed as video series for the benefit of the student community.

Extended Profile

1.Programme

1.1   10

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1   **3148**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2   **959**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	No File Uploaded

2.3   **873**

Number of students who appeared for the examinations conducted
by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1   **364**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2   **156**

Number of full-time teachers during the year:

Extended Profile

1.Programme

1.1	**10**
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1	**3148**
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	**959**
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	No File Uploaded

2.3	**873**
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1	**364**
Number of courses in all programmes during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	**156**

Number of full-time teachers during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3 Number of sanctioned posts for the year:	158

4.Institution

4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	203
4.2 Total number of Classrooms and Seminar halls	56
4.3 Total number of computers on campus for academic purposes	1208
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	1360.18 Lakhs

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Sahyadri has always been positive in developing and implementing its curriculum relevant to local, national, regional as well as global developmental needs, in the true spirit of its vision and mission. Student Projects, Field works, Internships, Outbound Activities and Collaborative Initiatives including NSS, Red Cross Initiatives, Yoga etc have been integrated within the curriculum so as to promote holistic learning approach amongst the student fraternity. This initiative further promotes student participation in activities like Digital India/ Skill India/ Swachh Bharat

Internship etc. The curriculum design has been exclusively made so as to meet the requirements of NEP – 2020, Guidelines of Niti Ayog and NISP to transform a traditional 'Student Centric Education System' to 'Knowledge Centric Learning System'. The curriculum of First-Year Syllabus under the autonomous scheme, in line with AICTE model curriculum of 160 credits and National Education Policy (NEP) and Affiliated University (VTU) guidelines has been introduced. Further, mandatory courses involving activities under NSS and Yoga in the form of Non-Credit Courses (NCS) will be introduced from the second year of study under autonomy. In addition to this, the Institution is constantly involved with the society through several community outreach programs like Unnat Bharat Abhiyaan (UBA), AICTE 100 Point Activity, Red Cross Initiatives etc.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://sahyadri.edu.in/Home/calendar

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

10

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

02

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	**No File Uploaded**
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

02

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

10

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

At Sahyadri, students are encouraged to participate in activities

related to Professional Ethics, Environment, Human Values and Gender Sensitization at regular intervals in collaboration with Red Cross, NSS, Women's Cell, and Anti-Sexual Harassment Cell. Social awareness encouraging civic sense and preservation of the natural ecosystem highlighting responsibility towards the surrounding areas are infused amongst students using social programs like beach cleaning and Swachh Bharat Abhiyan.Sahyadri conducts sessions promoting harmony and equality among all, irrespective of caste, colour, religion, and gender. The students are addressed by eminent personalities regarding equality, self-respect and leadership.The Institute encourages the students equal participation in all the co-curricular and extracurricular activities irrespective of their gender and also motivates them to work in teams.

Apart from the above, the AICTE prescribed Student Induction Programme is conducted for the First Year B.E students during which Universal Human Values (UHV), Ethical Practices, Social Harmony, Gender equality, and Societal concern sessions are organized in a blended mode by inviting eminent personalities across different sectors.Addressing these domains, several mandatory courses in the curriculum like Scientific Foundation of Health, Social Innovation Activities, Initiatives in line with NSS, Yoga & Sports, Study on Universal Human Values, Environment Studies, Biology for Engineers and Constitution of India and Professional Ethics have been introduced as a mandatory requirement for the completion of the course.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	[View File](#)
Any additional information	[View File](#)

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

12

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

1222

File Description	Documents
List of students enrolled	**No File Uploaded**
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1894

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://sahyadri.digital/student/feedback/studentFeedbackList
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	**No File Uploaded**
Any additional information	**No File Uploaded**

1.4.2 - The feedback system of the Institution comprises the following	B. Feedback collected, analysed and action taken

File Description	Documents
Provide URL for stakeholders' feedback report	https://sahyadri.digital/student/feedback/studentFeedbackList
Any additional information	No File Uploaded

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

842

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

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

203

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Advanced Learners: The institute has a variety of activities for promoting advanced learners from the first semester onwards. Bright students are motivated to participate in national and international events held in various recognized universities. The

advanced learners in the group are nominated as the mentors for the junior students in the subsequent cycles and are responsible for guiding the junior students in every step.All the identified advanced learners are felicitated during important events like department association day, college annual day etc. The faculty mentors of the advanced learners will monitor the students' abilities and motivate them to take part in various club level activities. Also, for the bright students, Project Based & Activity Based Learning approaches are introduced in which they are motivated to identify societal problems and propose effective and innovative solutions for the same. Further, they are encouraged to take part in business pitching, incubation activities, Hackathons, MSME Activities, Innovation and Incubation Activities etc

Slow Learners: Identification: Initially, after every semester end examination, based on the academic performance, the students will be segregated into red band (scores 70%). These segregations are subjected for revisions after every Continuous Internal Evaluations (CIE) tests. The student falling under the red band are termed as "Slow Learners" and will be subjected to continuous monitoring by their respective faculty mentors for improvement in the academic performance. Actions like Remedial classes, peer-to-peer learning, activity-based assignments etc. are initiated for the improvement of Red Band students.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
31/10/2021	3148	156

File Description	Documents
Upload 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 make the students to better understand the practical applicability of the concepts, various innovative Teaching-Learning processes have been followed by the Department/Institute. Following are some of them:

- Activity Based Learning
- Conceptual Prototyping
- Hackathons
- Expert Talks
- Industrial Visits
- Aptitude Laboratories
- Skill Laboratories
- Social Innovation Program
- Design Thinking
- Ability Enhancement Courses
- Immersive Learning
- Innovation and Incubation Activities
- Alumni Interactions
- Internship Program
- MoUs with industries for facilitating Industry-Institute interactions.
- Industry Visits
- Placements
- Industry sponsored Seminars
- Faculty/Students Field Tours
- Alumni Interactions/Talk

The Institution is constantly involved with the society through several community outreach programs like Unnat Bharat Abhiyaan (UBA), AICTE 100 Point Activity etc.

In line with the Affiliated University Curriculum, students undergo mandatory internships with 3 credits (Inter/Intra Institutional Internship/Research Internship /Industry Internship) that spans between 4 to 8 weeks

Under the revised curriculum structure of 2021 (Autonomous), the students have to undergo a total of three internships (credits are provided) – Inter/Intra Institute Internship (3 Weeks, in the intervening period of 2nd and 3rd Semesters), Societal/ Entrepreneurial Internship (4 Weeks, in the intervening period of 4th and 5th Semesters) and Research/Industrial Internship (24 Weeks, in the final year). In-House industries further help the department in supporting the required industry-institute

interactions. Students are further encouraged to enroll into Hacker Rank/Hacker Earth and SOSC activities for improving their logical reasoning required for programming.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional Information	https://sahyadri.edu.in/

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Teachers at SCEM are well trained in ICT-enabled tools to effectively reach out to the students in the Teaching-Learning and evaluation processes:

Google Classrooms: Section-wise Google classrooms are created, where the students and the teachers mainly use the platform for sharing Course Contents, videos, assignments, feedbacks, model question papers and other learning materials. This tool has been in use even in the post-pandemic period and saw a surge in its extensive usage thereafter.In addition to this, ICT tools likeGoogle Forms, PowerPoint presentations, E-Mail groups, Blogs, Online Video Recordings, Digital Library (e-resources) are extensively being used.

YouTube Channels/Videos: A major ICT tool used especially by the Placement department is for disseminating the placementrelated information to the students. Videos of Information pertaining to pre-placement training schedules, information related to various Companies visiting/seeking placements, Placement schedules/rounds of interviews, placement results of students etc. are recorded and streamed in the YouTube for quick/instant benefit and outreach to the student fraternity.

CET Blogs for training the aspirants: This is one of the ICT tools developed specifically by the faculty members handling Basic Science courses. Using this tool, faculty members upload videos of basic science concepts for the CET aspirants for enriching their knowledge, posting their queries to the tutor, for instant guidance and responses.

Smart Boards: Teachers use interactive smart boards for effectively-enhancing the Teaching-Learning experience of student

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.youtube.com/@SahyadriEdu/playlists
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

140

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	**No File Uploaded**

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

An Academic Calendar will be prepared by the institution, highlighting all the major events and activities in line with the academic calendar provided by the University. The Department will, in turn, prepare an activity calendar in line with the Institute activity calendar highlighting the important events/activities of the Department. The college Academic calendar includes details such as Continuous Internal Evaluation (CIEs), Faculty Meetings, Public Holidays, Students' feedback, Semester End Exams (SEEs), Internal academic and administrative audit schedules, etc. The SEEs will be highlighted as per the notification of the affiliated university calendar in line with the Institure Academic Calendar. Tentative academic calendar prepared by the Academic Section is discussed in the presence of all the Heads of Departments as well as the Controller of Examinations (CoE) and distributed to the faculty for any feedback. Post its approval, all the activities listed out in the calendar will be monitored for their completion, with suitable reports. Towards the end of the semester/year, the adherence report will be prepared, highlighting the activities being implemented as per the calendar. Sufficient justifications

will be provided to the non-adhering activities. The Controller of Examination (CoE) at the institute level issues the CIE notification as per the institute academic and activity calendar, with the approval of the Dean (Academics) and the Principal. The respective Heads of Departments (HoDs), Departmental CIE Coordinators, and Module Coordinators design and implement the departmental CIE Timetable and give instructions to begin the question paper preparation and moderation process.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

156

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	No File Uploaded
Any additional information	View File

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

31

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

04

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

75

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	No File Uploaded

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Sahyadri has taken numerous steps to reform the examination procedures & processes and has integrated Information Technology into the evaluation system. IT integration into question paper setting, automation of examination registration, auto generation of Hall Tickets, IT integration of Internal Assessment Process, valuation module, publication of results and mark list generation are some of the reforms that has improved the institute's examination process under the guidance of Academic Advisory

Committee (AAC).

'Sahyadri Digital Campus' the laerning management system (LMS) of the institute,is a single-portal solution to the multiple examination related requirements in the college. Students can apply for examinations only through this platform.

The digital library module consists ofan exclusive software to create a question bank repository and to generate question papers automatically in a predefined pattern, has effectively been implemented.

Teachers can securely log in to 'Sahyadri Digital Campus' and enter marks of the various components of Continuous Internal Assessment namely CIE, assignments, etc. The valuation module is IT-integrated with Sahyadri Digital Campus and mark sheets are generated in the system which the respective stakeholders can validate online.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://sahyadri.digital/DigitalCampus/

2.6 - Student Performance and Learning Outcomes

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

Outcome-Based Education (OBE) is executed in this Institute since 2016. In accordance with OBE Program Specific Outcomes (PSOs), Program Outcomes (POs) and Course Outcomes (COs) are developed.An induction/orientation program for the third-semester students is organised by all the Departments, where the Department's Vision, Mission, PEO and PSO is briefed. Further, the students are made aware of the OBE practice followed in the department and the requirements of the National Education Policy (NEP) 2020. The outcomes of the program are assessed appropriately. The POs and PSOs have been published on the Department webpage on the Institute website, Display boards at different locations (Department Library, HOD's Cabin, Department Office, Student Notice Board), Department Newsletter, Department Calendar, and Lab Manuals. POs and PSOs are made available to all the stakeholders of the program through meetings, student awareness classes, and student orientation programs. The faculty discuss the COs during

the class session in every semester of their respective subject highlighting the OBE practices adopted and CO-PO Mapping and assessment methodology to bring more quality and to ensure proactive participation of the students in learning. The POs/PSOs of the program are displayed in the Institute and Department Premises like Program-specific classrooms, Program specific laboratories, Department Notice Boards The POs/PSOs of the program is disseminated to all the stakeholders of the program through Faculty meeting, Student induction program, Alumni meetings, Parents meetings, Employer meetings, Professional Body meetings.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	[View File](#)
Upload any additional information	**No File Uploaded**
Link for additional Information	https://drive.google.com/drive/folders/1uBfH74TAd0H10Bx7OQRlDeERu3qEfohB?usp=drive_link

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The process adopted for the Course Outcome Attainment Evaluation:

- The evaluation of CO attainment is done through various assessments, depending on the type of assessment tools. The faculty member handling the course will gather the data pertaining to the Direct tools of CIE, Assignment, and the Course Exit Survey as an indirect tool of CO Assessment.
- Any required remedial action is taken depending on the attainment of the COs.
- The analysis of the Semester End Examination for the CO attainment is carried out once the results are announced by the university. An excel sheet is designed to process this data.
- If any of the COs are not attained, then the Gap in the COs is identified and the required action plan is provided in the Course Coordinator Closure Report.
- The performance of the students in the CIE and Assignment is computed and the analysis of the CO attainment is done based on the number of students scoring the threshold score for a particular course. In this, the Threshold value is considered as 60% of maximum assessment marks for all courses.

- **CO Attainment = ((Number of Students scoring >= Threshold score)/Number of students attempted the assessment) *100)**

Attainment of the COs is measured using three different levels and the achieved level of the CO attainment is shown below:

- **Students scoring < 50% : Level 0**
- **Students scoring >=50% and < 60% : Level 1**
- **Students scoring >=60% and <70% : Level 2**
- **Students scoring >=70% : Level-3**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	**Nil**

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

809

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File](#)
Upload any additional information	**No File Uploaded**
Paste link for the annual report	**Nil**

2.7 - Student Satisfaction Survey

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

https://sahyadri.digital/

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy

for promotion of research which is uploaded on the institutional website and implemented

The institution is a reputable research centre that offers PhD degrees in six different subject areas through Visvesvaraya Technological University.

Research Policies and Regulations:

Research Policy comprises of - Research Promotion Policy, Plagiarism Check Policy, Research Ethics Policy, Research Consultancy Policy and Research Grant Policy to promote research.

Research Facilities:

- Development of advance laboratory for basics science, applied science and engineering science.
- To conduct latest cutting edge, innovative Research & Development through Sahyadri Innovation Centre.
- To seek funding for R& D efforts from different funding agencies national and international.
- To collaborate with the national and international research labs and jointly work to produce prototypes and innovative technology.
- To conduct specialized scientific training for professionals, Government personnel, young researchers etc.
- To ensure effective monitoring and evaluation of the research carried out at the centre.
- To create a database of research results that may be accessible to all the stakeholders within and outside Sahyadri Campus.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://sahyadri.edu.in/Home/ssip
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

`0.081`

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	**No File Uploaded**
Any additional information	**No File Uploaded**

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

`0`

File Description	Documents
e-copies of the award letters of the teachers	**No File Uploaded**
List of teachers and details of their international fellowship(s)	**No File Uploaded**
Any additional information	**No File Uploaded**

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

`36.65`

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	**No File Uploaded**
Any additional information	**No File Uploaded**

3.2.2 - Number of teachers having research projects during the year

17

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://sahyadri.edu.in/
List of research projects during the year	[View File](#)

3.2.3 - Number of teachers recognised as research guides

0

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	**No File Uploaded**
Institutional data in Prescribed format	**No File Uploaded**

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

02

File Description	Documents
Supporting document from Funding Agencies	[View File](#)
Paste link to funding agencies' website	https://sahyadri.edu.in/Home/spss
Any additional information	**No File Uploaded**

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The faculty members and students are involved in various Research and Development activities such as Writing Research papers, Book Chapters, Participation in conferences, Writing Project Proposals

to various funding agencies, application for the patents etc. Apart from these, the institution has framed the R& D and Incubation policies in line with the National Innovation and Start-Up Policy (NISP) to promote R&D and Incubation activities. Improvements have been observed in the number of quality publications and book chapters over the past three Academic Years. Sufficient infrastructure and seed fund support is extended to the faculty members and students for taking up sponsored research projects/consultancy works. R&D and Consultancy facilities like CoEs (Centre of Excellence in Digital Forensics Intelligence & Centre of Excellence in Artificial Intelligence and Machine Learning)/ LLPs/ Start-ups/in-house industries/NAIN are provided for conducting Research activities. The faculty members and students are encouraged to carry out research and consultancy-related activities in line with NISP and are further motivated to participate in business pitching. The Institute presently hosts 22 Startups, 03 In House Industries and 06 Launchpads to promote R&D and Entrepreneurship activitiesd amongst student fraternity.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://sahyadri.edu.in/Home/ssip

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

55

File Description	Documents
Report of the events	[View File](#)
List of workshops/seminars conducted during the year	[View File](#)
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course	A. All of the above

work Plagiarism check through authenticated software	

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	**No File Uploaded**

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

03

File Description	Documents
URL to the research page on HEI website	https://sahyadri.edu.in/Home/researchcenter
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	**No File Uploaded**

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

20

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	**No File Uploaded**

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

23

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

19

File Description	Documents
Any additional information	**No File Uploaded**
Bibliometrics of the publications during the year	**No File Uploaded**

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

06

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	**No File Uploaded**
Any additional information	**No File Uploaded**

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

23

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	[View File](#)
List of consultants and revenue generated by them	[View File](#)
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

50,000

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	[View File](#)
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

SCEM has always been sensitive to relevant extension activities in support of the neighbourhood community, and has been providing good exposure to its students regradingsocial issues so as to develop compassion for the same, and nurture their holistic development. SCEM has established the Centre for Social Innovation (CSI) in 2016, to identify emerging problems in the community and provide opportunities to students to innovate sustainable solutions to the issues, under the guidance of their in house mentors acting as Limited Liability Partners (LLPs). These projects designed in the first year are continued in the higher semesters for further projects. In continuation, our students are

also encouraged to visit neighboring villages and carry out extension activities through the Unnat Bharat Abhiyan Scheme, NSS unit etc. Under this scheme, students have visited several villages around SCEM and have carried out surveys to identify the social and economic issues that people face. Interactions with local villagers have led to mutual benefit of students. Through the 100-point activity to be scored by students, awareness programmes on various government schemes such as online education, use of e-banking facilities, schemes for girl child, issues related to healthcare & malnutrition etc have been addressed by the students through different means. These activities bridge the gap between academia and real word technical solutions to be implemented for the beteerment of the people.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://sahyadri.edu.in/Home/socialInnovation

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

03

File Description	Documents
Number of awards for extension activities in during the year	[View File](#)
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

28

File Description	Documents
Reports of the events organized	[View File](#)
Any additional information	No File Uploaded

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1086

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

05

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	No File Uploaded

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

12

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

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 equipments, etc.

SCEM is equipped with State-of-the-Art infrastructure to Facilitate Teaching and Learning. SCEM has an OPEN and

thematically structured organization. SCEM has 49 spacious classrooms spanning 43140 sq. ft of space. It also has 46 laboratories spanning 49175 sq. ft of space structured according to the norms and protocols of the Statutory Regulatory Authorities (AICTE & VTU). All classrooms, have been integrated with ICT facilities to optimize the Teaching-Learning experience of the students, and are monitored through the CCTV surveillance systems. SCEM has a well-equipped/maintained library spanning across 1050 sq.m., which has a total of 8174 Titles and is loaded with 45,025 volumes, annually subscribed leading dailies, magazines, domestic and International Journals, and updated research resources.42 workstations are allocated to access the Digital Library platform, over a dedicated leased line with a speed of over 500 Mbps. Access to the Library and its digital resources is provided to all the students and faculty, with individual User ids'.

Following additional facilities are created for enhancing the quality of learning process in the laboratories utilized by UG, PG and PhD students.

1. Centre of Excellence in Artificial Intelligence and Machine Learning is sanctioned under K-FIST LEVEL II by VGST.
2. Centre of Excellence in Digital Forensics Intelligence sanctioned under CESEM scheme by VGST.
3. In addition to CoEs, Sahyadri has established 06 launchpads, NAIN Centre, 22 Inhouse Startups/LLPs and 03 Inhouse Industries for the benefit of Students and Faculty members for facilitating Internship Opportunities and promoting R&D Activities.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://sahyadri.edu.in/Home/coreFacilities

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

SCEM believes in providing holistic education to its wards, encompassing a spectrum of facilities for cultural activities, sports, games (both indoor and outdoor), gymnasium and yoga. The on campus provision of a wide variety of opportunities for co-curricular and extra-curricular activities have had a spiraling

effect on the physical, mental and holistic development of our students.

The Physical Education department has a dedicated team of 3 qualified Full Time trainers and 03 specific trainers, who provide and monitor appropriate training programme of students. A Sports Cell has been established to provide constructive feedback and post monitoring of these sports activities.The college currently has well-developed facilities for sporting events like cricket, football, shuttle badminton, hockey, volleyball, handball, throw ball, kabaddi, Kho-Kho, Athletics and an Indoor & Outdoor multi gym facility for all students. Students participating in intercollegiate sports are provided TA/DA along with attendance and are compensated with additional classes on demand, to make up for their absence in class.

An interdepartmental cultural event "Sinchana" is conducted annually on November 1st to showcase and identify the talents of students in Music, Dance and Art, to encourage performing artists. Several competitions are conducted for the students by giving them a platform to showcase their extra-curricular talents in various areas of art and culture.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	https://sahyadri.edu.in/Home/sport

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

38

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

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

118

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

The state of the art library at SCEM is spread over 1050 square meters with two floors, and with a capacity to accommodate 400 students at a time. The working hours of the library is 8.00am to 8.00pm. The library has 45,025 books with 8174 different titles. It also subscribes e-resources under VTU Consortium and Elsevier – Science Direct, IEEE Proceedings Order Plan, Taylor & Francis, Springer Nature, Emerald- Management and Proquest e-resources which are accessible via IP based anywhere in the campus and also with remote access. The E-Book collections are from Taylor & Francis, McGraw Hill Express, Elsevier SD, Springer and New Age International.Library provides plagiarism checking service for Projects, Articles and thesis using Turnitin plagiarism software. It is enabled with Wi-Fi technology and security systems with Closed Circuit Television System (CCTV).

Name of ILMS software : LIBSYS 4 (Entire Automation System for Libraries)

Nature of automation (fully or partially) : Fully Automated

Version : 6.0

Year of Automation : 2007

LIBSYS Library Management System Software has been deployed for automating the entire library operations and Barcode technology is employed for the library housekeeping transactions. LIBSYS stands for entire automation system with all the necessary modules needed for running a library very professionally and efficiently. Library members are able to access the entire library collection through intranet using IP address

`http://192.168.6.66:8080/webopac/html/SearchForm.`

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://sahyadri.edu.in/Home/Library

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources	**A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	[View File](#)
Upload any additional information	[View File](#)

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

34

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

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

400

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The SCEM campus has a dedicated Internet leased line with a Bandwidth of 450Mbps provided by AIRTEL with frequent up gradation, the next one to 500 Mbps on the anvil.

There are a Total number of 1266 of Desktop computers out of which 846 are allocated to Laboratories. All the desktops have the latest specification and configurations. Sahyadri Campus is fully Wi-Fi enabled with 50 Access Points spread all over the campus.

Girls and Boys Hostels are connected to the main college building through OFC connectivity and Internet access through Wi-Fi. User authentication is strictly governed by adequate access management systems in place, wherein one must register their respective computer/ laptops/ device to get a unique Username and password to access the Sahyadri Network.

SOPHOS firewall authentication is enabled over the network to expose hidden risks, expose unknown threats and for blocking malicious sites. SOPHOS offers next-generation firewall (NGFW)features that lets the IT Team to protect the network with an enterprise-class firewall while securing the college's web traffic. Every Classroomand labs areequipped with LCD projector and ICT facilities. A total of 151 projectors are available. Every Department faculty staff room and Every lab has well established printer peripheral connectivity. A total of 92 printers are available

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sahyadri.edu.in/Home/auditedFinanceReport

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3148	1033

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus | A. ?50 Mbps

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

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing | A. All four of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.youtube.com/@SahyadriEdu/playlists
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

118

File Description	Documents
Audited statements of accounts	*View File*
Upload any additional information	**No File Uploaded**

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

SCEM has a convenient and functional system of maintenance, to ensure, enhance and develop its physical, academic, and support facilities. Since the Library and Sports also have been given the status of departments, led by qualified Section Heads, operations and regular maintenance are ensured. Classrooms, Laboratories and other Campus areas are closely monitored round the clock through CCTV surveillance, ensuring cleanliness and maintenance by the Housekeeping Staff. Classrooms have been provided with need-based ICT facilities to support, enhance, and optimize academic delivery and exchange. The college has a separate Maintenance and housekeeping department. Laboratories are also maintained as per the standards set by the statutory bodies. Every lab has a Faculty in charge who monitors its day to day activities and requirements. The institution regularly upgrades the existing Instruments and Softwares to meet the requirements of periodic changes in syllabus and as per the directions of the affiliating University.Computers undergo adequate software and hardware upgrades once in five years. These systems are maintained by the IT team and are patched with required patches to meet the vulnerability standards as recommended by Microsoft and Red Hat. The software procured for labs have original and perpetual licenses. If there are any mandatory guidelines set by the University for a particular Software, the same is procured through the Purchase Committee.

File Description	Documents
Upload any additional information	*View File*
Paste link for additional information	https://sahyadri.edu.in/Home/coreFacilities

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1677

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

0

File Description	Documents
Upload any additional information	**No File Uploaded**
Institutional data in prescribed format	**No File Uploaded**

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	**A. All of the above**

File Description	Documents
Link to Institutional website	**Nil**
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

440

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 adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees	**A. All of the above**

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

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

442

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

13

File Description	Documents
Upload supporting data for students/alumni	**No File Uploaded**
Details of students who went for higher education	<u>View File</u>
Any additional information	**No File Uploaded**

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

08

File Description	Documents
Upload supporting data for students/alumni	<u>View File</u>
Any additional information	**No File Uploaded**

5.3 - Student Participation and Activities

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

32

File Description	Documents
e-copies of award letters and certificates	<u>View File</u>
Any additional information	<u>View File</u>

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

SCEM has a unique and transparent platform for the students to participate in different activities i.e. Curricular, Cocurricular and Extra Curricular activities of the College. SCEM believes in Outcome Based Education (OBE) and thereby empowers students to achieve the desired Graduate attributes as mandated by the SRAs.

Every year, students are nominated to lead the activities of the Students' Council.Students are also actively involved in Professional body committees of the College viz. SOSC, ISTE, IEEE, IETE, ACM, SAE India. Further, NSS, Red Cross, Anti Ragging, SC/ST, Grievance Redressal, Hostel Committees of the College have Student members and their active involvement contributes to their overall development.

Under the aegis of the Council, students are guided and monitored by a team of faculty members towards the following:

- To promote, organize and execute activities that encourage students' pride, self-esteem and build the academic rigor and image of the college.
- The Heads of the Students' Council represent the organizing body in the respective sections. Further the committees will be formed under the leadership of various sections selecting committee members from the elected/nominated representatives of each class
- Council Heads bring to the notice of administration any common problems/grievances of students and helps in arriving at possible solutions.
- Council Heads with the support of other representatives plan various activities such as academic, cultural, sports, training, workshops, placement, social service, community service, leadership development programmes etc

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://sahyadri.edu.in/Association

5.3.3 - Number of sports and cultural events / competitions organised by the institution

08

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Sahyadri College of Engineering & Management has a registered alumni association namely, "Sahyadri College of Engineering and Management Alumni Association" under the Provisions of the Societies Registration Act, 1860. This Alumni Association provides a platform for ongoing dialogue between the various departments and their accomplished achiever alumni of the 10 batches of students (> 8000 graduates/postgraduates), who have passed out of SCEM, and located all over the world. This ongoing interaction between the Done Group and the Doing Group will become a germinating HUB of ideas and vision that can yield fruitful results.

The Alumni Association addresses helps inpreparing database of all the passed-out students and invite them to be a part of the Alumni Association. It is a twoway approach wherein, Sahyadri would be aware of its alumni global presence and the Alumni would be briefed with the ongoing activities of the College. This would fodstera Networking culture amongst the alumni by inculcating and encouraging personal and friendly relations through interactive meetings and get-togethers. This evident as SCEM hosts Alumni-run companies to visit our campus and encourage placement of our students in their and other reputed organizations.

The alumni association facilitates regular engagement of alumni with the present students. These interactions enable distinguished alumni members to share their industrial experience, entrepreneurial experience and Weblinks for Placement and internship/apprenticeship opportunities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	http://ecell-sahyadri.com/sahyadrialumni.com/

5.4.2 - Alumni's financial contribution during the year	E. <2 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 an effective leadership in tune with the vision and mission of the Institution

The governance of SCEM adequately reflects the institution's Vision and Mission:

Vision: To be a premier institution in Technology and Management by fostering excellence in education, innovation, incubation and values to inspire and empower young minds.

Mission:

M1: Creating an academic ambience to impart holistic education focusing on individual growth, integrity, ethical values, and social responsibility.

M2: Develop skill-based learning through industry-institution interaction to enhance competency and promote entrepreneurship.

M3: Fostering innovation and creativity through a competitive environment with state-of-the-art infrastructure.

The Institution is managed by The Bhandary Foundation, a registered trust under the able leadership of its President, Sri Manjunath Bhandary. The sole aim of the trust is to create awareness about drug abuses, HIV/AIDS and to promote the education culture and sports. In addition to this the objective is to enhancethe quality of professional education so as to render it on par with the best in the class.

The Principal who is the Member Secretary of the Governing Council discusses the policies, academic matters, and other College Initiatives with theGoverning Council to seek their suggestions and approval. The college aims to excel in orienting students to newly developed technical and management skills and hence students are also encouraged to "Walk in with an Idea and Walk out with a product" by providing opportunities right from the First Year through Hands-on Training labs and Social Innovation Programs.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional Information	https://sahyadri.edu.in/Research/Vision#:~:text=To%20become%20a%20globally%20recognized,Technological%20service%20to%20the%20nation.

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The Institution has a layered Leadership practice as laid down by both, our Trust as well as the concerned SRAs. The main Leadership is provided by the Chairman of our Trust – Sri. Manjunath Bhandary. The administrative and Executive Leader of SCEM is the Principal-Dr Rajesha S, who believes in decentralized and participative management and encourages Leadership at all levels of the teaching/administrative cadres.

The Institution has a well-defined organizational structure including the following

The Governing Council is the highest body responsible for the management of the Institution. Its function includes the following;

1. To approve the strategic plan of the institution that is in line with the mission and the vision of the Institution. Its duty is to enable the Institution to achieve the primary objectives of student-centric learning, teaching, research, and innovation.

2. The Governing Council approves the budget, financial outlays, recruitments, new initiatives for the betterment of staff, students and other stakeholders of the Institution.

Management: The Management comprising of the Chairman, Principal and the Director conducts meetings at regular intervals to discuss plans and goals of the Institute and to put forth action plans. The Management has the power to plan and deliberate the administrative decisions of the College.

Heads of Department: The Heads of all Departments put forth plans pertaining to departmental Academic activities such as subject allocation, time table, request for procurement of equipment's and

consumables.

File Description	Documents
Upload strategic plan and deployment documents on the website	[View File]()
Upload any additional information	No File Uploaded
Paste link for additional Information	https://sahyadri.edu.in/Home/governing

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The Institutional Strategic Plan (ISP) as derived by taking feedback from all the stakeholders and aligning it with the Vision, Mission and Objectives of the institution, is the guiding resource for SCEM. Department-wise visions are framed for the execution of the strategic plan in a phased manner. The strategic plan is reviewed periodically to ensure successful implementation of the same.

The ISP is presented before the Governing Council for its approval, post which the roles and responsibilities are fixed for various committees and departments for the purpose of execution of the same in a timely manner. The GC approved ISP is also presented before the Management for any infrastructure requirement, with necessary budgetary allocation and manpower requirement, to put the plan into action

Each department prepares the action plan for each academic year and presents it before the Principal and the Director, in the HODs meeting and seeks approval. The departmental budget is prepared in line with the action plan and approved for seamless implementation of the plan.

The Strengths, Weaknesses, Opportunities and Challenges (SWOC) analysis is done at the Departmentlevel and collated at the institutional level, to understand the current situation and what needs to be done to achieve the vision of the Department/Institution, in due course of time. Regular reviews are done at various levels including PAC, DAC, BOS, IQAC, AC and GCto ensure that the targets are met within a fixed timeframe and/or any amendments are to be undertaken to the existing plan.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

The Institution is governed by the Bhandary Foundation, a registered trust and is led by the President of Bhandary Foundation, Shivamogga. SCEM has a well-defined organizational structure with ample employee participation in various academic and administrative roles and responsibilities. The DirectorSahyadri Educational Institutions is a management representative, who provides timely and valuable directions for the overall development of the Institution.

Policies

All faculty allocations and appointments are approved by the Governing Council. Appointments are done by following the due process and selection of staff members are done based purely on merit.

The roles of the Director and the Principal in financial, administrative, and academic matters are well-defined. This ensures autonomy as well as administrative ease. The post of Deans is created as and when need arises.

Faculty Appointment Procedure

Recruitment & Selection Process of Employees maintains fairness and transparency which helps to select the best candidates who are competent, motivated and highly dedicated.

Service Rules

Service Rules Include details of service conditions, Pay and allowances, leaves, appointment procedure, conduct and discipline applicable to all staff members. These rules were made in July 2008 and are updated regularly. Copy of the Service Rules is

available in the establishment section and every staff member is required to read and sign the same at the time of joining. Copy of the service rules is also available with all the departments.

File Description	Documents
Paste link to Organogram on the institution webpage	https://sahyadri.edu.in/Home/mandatory#Organogram
Upload any additional information	**No File Uploaded**
Paste link for additional Information	https://sahyadri.edu.in/Home/mandatory

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) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	**No File Uploaded**

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

SCEM believes in reaching out to its Staff, by providing them the right opportunities and ambience for welfare, growth and wellbeing, with several policies in place.

The Pay Scales of the Teaching faculty are as per the AICTE norms and the VII Pay Commission norms.

All teaching and non-teaching staff are benefitted with Employees Accidental Medical expenses and Accidental death cover Insurance. This is a welfare measure provided to all the Staff, Students and covers parents of the Students.

Both Teaching and Non-Teaching staff are entitled (as per the eligibility) to Annual increments, Employees Provident Fund, Gratuity, Maternity Leave, and ESI benefits, as per the norms of the Statutory Regulatory authorities and the State government

- **The Staffs are provided annual/vacation leaves in every semester for rejuvenation. The College provides Casual Leaves, Earned Leaves, Special Casual Leaves, On Duty Leaves, and Restricted holidays as per the state government norms. This is inclusive of 15 Casual Leaves and 10 Special Casual Leaves. The staff can also avail leave for their Marriage for 7 days.**
- **Faculty are encouraged to attend FDPs, Conferences and Online academic/research Programmes. Further, they are encouraged to publish Book Chapters and Papers. Incentives are reached to them by the management as Seed money for research/startup ventures/travel and registration costs of conferences, NPTEL Courses and such others**
- **For enhancing their skills, Faculty are deputed to In house Industries for Skill enhancement and build institution-interface.**
- **Periodic Medical counselling facilities are provided free of cost to all employees.**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

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

02

File Description	Documents
Upload any additional information	**No File Uploaded**
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 programmes organized by the Institution for its teaching and non-teaching staff during the year

17

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

126

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
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

The Institute believes in Audits (internal and external), Internal Quality checks and regulation, especially for the department of Finance. The institution has a mechanism of internal audit on a regular/annual basis, of all the different divisions of the college in the key areas of finances. The details of accounts, bills, vouchers, fee payment receipts, ledgers and cash books are maintained and monitored under the supervision of the Finance Officer. Further, the books of accounts are Audited by the External Statutory Auditors every year in which each and every transaction is scrutinised to satisfaction and as per the regulations of the Income Tax department.

Systematic Mechanism followed by Institute annually include the following aspects:

- Each department is expected to prepare and submit a proposal on Budget estimation to the Principal before the start of

each financial year, taking into account all of the department's estimated expenditures as recommended by the Head of the Department and faculty members, The Institution and thus the Departments upgrade the existing Instruments and Softwares to meet the requirements of periodic changes in syllabus, as per the requiremnts.

- Estimated Expenditure of each department include stationery expenses, Training/ workshop/FDP expenses, Extra – curricular, maintenance, Procurement of equipment, Calibration of Equipment, conduction of Programmes and any other expenses incurred for initiatives proposed by department or any other consumable charges, which are scrutinised by the Purchase Committee and approved by the Chairman of the Institution.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://sahyadri.edu.in/Home/auditedFinanceReport

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

111.16

File Description	Documents
Annual statements of accounts	[View File](#)
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	[View File](#)
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Financial Management of the institution is handled by a team of experienced, dedicated and efficient Staff of the Finance Department. From the inception, optimum importance has been given to the finance department which is planned every year and executed effectively in accordance with the budgeting exercise prepared in the beginning of an Academic Year.

The fee income from the students is the main source of income to the college which has gradually increased in a phased manner with the passage of each year. Apart from this, the institution is now generating funds through sponsored Research Projects and also receiving sufficient funding from the government institutions. Thus the project finance supplements the resources. In addition, a small amount is also generated through Consultancy work. Copies of Budget proposals, invoice and vouchers, and supporting documents of every purchase /event is maintained in the respective Departments and the original documents are sent to the accounts Department of the Institution for records and perusal.

Annual budget: Every Department gives the Budget Proposal prior to the start of financial year and the same is put forth to the Purchase committee. The committee Scrutinizes the requirements laid out by departments and only after being approved, the Quotations from Vendors are sought for. This helps in Optimal Utilization of Resources without hampering the regular Academic requirements and it is put forth in the Governing Council. Allocated funds are optimally utilized.

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The Internal Quality Assurance Cell (IQAC) of Sahyadri College of Engineering & Management (SCEM) was constituted on 29-08-2015, to address all issues pertaining to the enhancement of institutional quality (of both educational delivery and educational services) and drive/motivate all stakeholders within the institution to march towards the aspirational excellence in academics and student centric endeavours, as envisaged in its preamble. The activities of the IQAC are described below:

1. Internal Academic and Administrative Audits:Academic and administrative audits are conducted every semester by the

Audit team comprising intra-departmental faculty. The audit focusses mainly on Teaching-Learning process, Result Analysis, Student upskilling through MOOCs/NPTEL courses, Quality of Student Projects & Internships, Library Audit and Various AICTE-/UGC-mandated committee audits

2. **Faculty Skill Enhancement Programmes:**The IQAC gives directions to the departments to chart out plans for the faculty skill enhancement focussing on the Future Skills as prescribed by NASSCOM. The major intention of this initiative is to up-skill the faculty to the current and future new-age courses that are being opted by the institution. In this regard, departments direct their faculty to take up Massive Online Courses (MOOC) through NPTEL, Coursera, Udemy, and others. Further, ATAL FDPs are mandated for the faculty members.

3. **Participation in Accreditation and National Surveys:**The impact of the Quality Initiatives will be measured by participating in various accreditation and national level survey programmes. The institute undergoes National Assessment and Accreditation Council (NAAC), National Board of Accreditation (NBA), Institute of Engineers (India) (IEI) accreditation after every cycle.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://sahyadri.edu.in/Home/accreditation

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The institute reviews its Teaching-Learning Process, structures, and methodologies at the following levels:

Level-1: Course-Level

At the Course Level, the Course Coordinator, in association with the Course Associates, will define the Course Outcomes, map them with all the relevant Program Outcomes, design the activities, assignments, and delivery methods.

Level-2: Module-Level

The courses offered by the program are mapped into four modules, each of which has a designated coordinator. The coordinator will scrutinize, recommend, and monitor all the courses in the module through regular meetings. The coordinator performs regular audits to identify syllabus coverages, moderation, CO attainment statistics, best practices, etc. The deficiencies in the courses, like weak mapping, low attainments, etc., are noted and informed to the Course Coordinator and the Program Coordinator for initiating appropriate actions.

Level-3: Program-Level

At the program level, a dedicated committee called Program Assessment and Quality Improvement Committee (PAQIC) is formed, which conducts regular academic audits in line with the guidelines provided by the IQAC. The suggestions provided by the committee will be considered, and appropriate corrective actions are planned through the PAC and deliberated at the DAC.

Level-4: Institute Level

At the Institute Level, the IQAC will obtain the observations of the PAQIC and the action reports from the Programs. The IQAC will, in turn, form a peer team comprising of Senior faculty members for auditing the Programs. The approved plan of actions and the identified quality metrics will be informed to the Program Coordinators, who will implement the suggested corrective actions appropriately.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://sahyadri.edu.in/Home/accreditation

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	B. Any 3 of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://sahyadri.edu.in/Home/mandatory
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

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

- Safety and Security: The Institution emphasizes the 'Safety and Security of its stakeholders. It has utilized all its available resources to safeguard its stakeholders inside the campus. Some of the major initiatives are:

1. 24 x7 CCTV surveillance across the campus including college corridors, classrooms with a centralized control room.
2. Highly intensive illumination at all prominent places on the campus.
3. A separate hostel facility is provided for girl and boy students with round-the-clock security for safety with fulltime hostel wardens
4. The college dispensary takes care of the health of the staff and students.
5. Well-structured and fully equipped health care centre with a visiting doctor and certified emergency first responder during normal working hours.
6. The Women Cell Committee and Anti- Sexual Harassment Committee of the institute address the grievances related to gender safety and security if any.

- Counselling:

The Institution has a Campus Counsellor who takes care of students with behavioural and academic problems. He interacts with the students, conducts several counselling sessions, and helps students to overcome their behavioural and academic issues. A separate counselling room is available on campus. The Campus

Counsellor is always available to the students even after college working hours. Also, there is a full-fledged counselling cum mentoring committee formed as per the regulations of VTU.

- Common rooms

Separate and well-maintained washrooms are available on every floor of all the buildings for boys and girls. Separate common rooms are provided for boys and girls, where they can rest and take care of their personal requirements

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://sahyadri.edu.in/Home/antiSexualHarassment

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	[View File](#)
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Sahyadri College of Engineering Management (SCEM) has been taking several measures in managing the degradable and non-degradable waste that is generated in the campus.

The Waste generated is classified into 4 types:

1. Solid waste management:

Office waste:Since most of theAdministration work, Academic work and Admission process is being managed through a customized ERP solution and Campus initiatives are digitally undertaken, considerable reduction in usage of paper and stationery is

achieved.

Dry Leaves and grass: Dry waste generated due to the fallen leaves, garden waste and cut grass is recycled used in a scientific manner, by collecting it in a Vermicompost pit.

2. Liquid waste management:

Potable Water is filtered through Reverse Osmosis (RO) and used for drinking purposes. Both, Roof water harvesting and Rainwater harvesting is gainfully adopted on the campus.

3. E-waste

E-waste mainly includes obsolete electronic devices, such as computer systems, servers, monitors, compact discs (CDs), printers, scanners,battery cells and such others. Exclusive e-waste dustbins are kept in prominent locations on the campus, to collect the e-waste. It is then disposed through a private vendor as approved by Karnataka State Pollution Control Board for recycling.

4. Disposal of hazardous chemicals and radioactive waste management

Sahyadri campus is free from hazardous chemicals and further as the Chemicals from the Chemistry lab and Environmental lab are diluted they are sent through the drains without polluting/disrupting the environment and causing any environmental hazards.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	No File Uploaded
Any other relevant information	No File Uploaded

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	B. Any 3 of the above

system in the campus

File Description	Documents
Geotagged photographs / videos of the facilities	[View File](#)
Any other relevant information	**No File Uploaded**

7.1.5 - Green campus initiatives include

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

File Description	Documents
Geotagged photos / videos of the facilities	[View File](#)
Various policy documents / decisions circulated for implementation	**No File Uploaded**
Any other relevant documents	[View File](#)

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy 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**

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.	A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

SCEM has been adopting several measures, to promote Communal and Cultural harmony amongst students and staff by organising Cultural events, commemorating religious festivals to celebrate the vast religious and cultural diversity of India. College commemorates the Republic Day, Independence Day, Rajyothsava, and Teachers Day to pay homage and respect to the leaders who have sacrificed their

lives for the country, to observe the statehood of Karnataka and in apt glorification of the Kannada language as also to pay respect to our Teaching fraternity.

Sadhbhavana and Ekta Diwas is observed in the campus, with a pledge taken by all staff members and students to promise allegiance towards Unity in diversity going beyond caste, creed, colour, religion and linguistic barriers.

Every year, on 1st November, which marks the formation of the Karnataka State, Regional and Cultural Festivals are organised to encourage the students to showcase their talent and passion towards folk dance, and other traditional dance forms depicting our culture and its richness in grandeur.

Students are encouraged to do their bitfor the Society by taking part in UBA activities. A Social Innovation program (SIP) initiated in the First-year level which helps the students to identify and become sensitive to the problems faced by people in the society and also to address the problem by designing cost effective, feasible and collaborative solutions. Under the Unnat Bharat Abhiyan scheme - Departments have taken several initiatives toaddress the issues faced by people.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)

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

Institute sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enables them to conduct themselves as responsible citizens. To have a perfect balance between knowledge, skills, values, and duties as a citizen institute organizes several programs and talks to ensure that students have holistic growth by being responsible to the society.

As a part of the Curriculum, the Subject Constitution of India and Professional Ethics and Environmental Studies creates awareness among students regarding the various laws and responsibilities

towards the environment and the Constitution.

As a part of the Induction Programme, for the First year students, Sessions on Universal Human values are conducted every year to inculcate ethics and values that the students need to learn and implement in their life. The Spiritual scholars are invited to the Campus from Ramakrishna Mission to deliver sessions on several occasions on the Concept of Success and Service to one another and thus to Nation.

On October 2nd every year, besides celebrating the Gandhi Jayanthi Institute observes the Swacch Bharath Abhiyan by conducting beach cleaning activities to clean the environment. All National Holidays such as Independence Day and Republic Day are celebrated with great fervour upholding the spirit of Patriotism towards our motherland.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized	A. All of the above

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 programmes, etc. in support of the claims	View File
Any other relevant information	View File

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

Sahyadri has always organised and celebratednational and international commemorative days, events and festivals specified by AICTE and UGC with high spirits and enthusiasm.

The Institution organizes several national, international, and state-level festivals to commemorate the contribution of national leaders and to instil patriotism among the stakeholders. It organizes Republic Day, Independence Day, Teachers' Day, Karnataka Rajyothsava, Engineer's Day, to celebrate the spirit of love for the country, state, and fellow Engineers.

Every year, besides celebrating the Gandhi Jayanthi, we observe the Swacch Bharath Abhiyan as well. All National Holidays such as Independence Day and Republic day are celebrated with great fervor upholding the spirit of Patriotism towards our motherland. For active participation of voters during the election, the Voters day is commemorated on 25th January every year. The role of the government during the election is also emphasized during this day and the responsibility of every citizen in voting is highlighted. Talks and events on Sadhbhavana Diwas, Rashtriya Ekta Divas are delivered by Prominent personalities to promote unity and equality among all.

International Yoga Day is celebrated to ensure the wellness of mind and body in staff and students. World Aids Day to create awareness among students and the negative stigma we have about AIDS is discussed. International Women's day is celebrated with great fervour and great Enthusiasm by the Lady Teaching and Non-teaching Faculty and Staff of the College.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

1. Project Based Learning (PBL) is a teaching method in which students learn by actively engaging in real-world and personally meaningful projects

Project-based learning (PBL) involves students designing, developing, and constructing hands-on solutions to a problem. Typically, PBL takes students through the following phases or steps:

- **Identifying a problem**
- **Devising a solution and potential solution path to the problem**
- **Designing and developing a prototype of the solution**
- **Refining the solution based on feedback from experts, instructors, and/or peers**

Depending on the goals of the instructor, the size and scope of the project can vary greatly. Students may complete the four phases listed above over the course of many weeks, or even several times within a single class period.

2. INDUSTRIES & START-UPS @ SAHYADRI

To provide the best infrastructure for real time industry experience and training from industry experts which help to transform our students to future entrepreneurs. At Sahyadri, we believe that an engineering degree is not sufficient but we ensure that every student is experienced and trained in an actual industry environment and trained for the real-time skill sets required for the industry. The Institute currently hosts 22 Startups, 03 Inhouse Industries, 06 Launchpads and 03 Centre of

Excellences' to promote PBL and Internship & Entreprenurial Opportunities to the students.

File Description	Documents
Best practices in the Institutional website	https://sahyadri.edu.in/Home/startup
Any other relevant information	https://sahyadri.edu.in/files/downloads/Sahyadri-Start-Ups-2018.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

True to its Vision "To be a premier institution in Technology and Management by fostering excellence in education, innovation, incubation and values to inspire and empower the young minds" Sahyadri College of Engineering & Management believes and is distinctively practicing Innovation and Entrepreneurship' through 'Project-Based Learning'. Sahyadri is continuously striving to nurture quality Engineering and Management Graduates to become job creators rather than job seekers. SSTH, SPSS, Hands on Experience Lab, Skill Lab are a few initaitives in line with the same. These initiatives are in line with the future skills as prescribed by AICTE Mandate.

Following additional facilities are created for enhancing the quality of learning process in the laboratories utilized by UG, PG and PhD students.

1. Center of Excellence in Artificial Intelligence and Machine Learning is sanctioned under K-FIST LEVEL II by VGST.

2. Centre of Excellence in Digital Forensics Intelligence sanctioned under CESEM scheme by VGST.

3. In addition to CoEs, Sahyadri has established 06 launchpads, NAIN center, 22 Inhouse Startups/LLPs and 03 Inhouse Industries for the benefit of Students and Faculty members for facilitating Internship Opportunities and promoting R&D Activities.

File Description	Documents
Appropriate link in the institutional website	https://sahyadri.edu.in/Home/innovationEntrepreneurship
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

The following activities were proposed to be conducted by the IQAC

1. A two-day NAAC sponsored workshop on "Teaching Learning and Assessment Process as per OBE in the Higher Education Institutes in line with the NEP requirements" scheduled on July 29th and 30th, 2022. The workshop will be open for all the faculty fraternity of the region and the State.
2. A workshop on Effective Paper Writing for Indexed Journals expected to be scheduled in the month of July, 2022.
3. A workshop on Affective and Psychomotor Domain Assessments
4. A workshop on Proposal Preparation for various funding agencies
5. Conduction of PAQIC Audits in the Departments expected to be scheduled in the month of August, 2022
6. Annual Report Submission to the VTU (for Autonomous Batch) expected to be scheduled in the month of September, 2022
7. Coordinating the IQAC Peer Team Visit as notified by the VTU.
8. NBA Second Cycle Accreditation for the affiliated batch of Department of CSE,ISE, ECE and ME.