Yearly Status Report - 2017-2018

Part A	
Data of the Institution	
1. Name of the Institution	**SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT**
Name of the head of the Institution	**Dr Umesh M Bhushi**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08242277222**
Mobile no.	**9448100123**
Registered Email	**principal@sahyadri.edu.in**
Alternate Email	**ramesh.mba@sahyadri.edu.in**
Address	**Sahyadri College of Engineering & Management, Sahyadri Campus, Adyar**
City/Town	**Mangalore**
State/UT	**Karnataka**
Pincode	**575007**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Prof.J.V.Gorbal**
Phone no/Alternate Phone no.	**08242277222**
Mobile no.	**8095682002**
Registered Email	**principal@sahaydri.edu.in**
Alternate Email	**dean.academics@sahyadri.edu.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.sahyadri.edu.in/Home/accreditation

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.sahyadri.edu.in/Home/accreditation

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.09**	**2017**	**22-Feb-2017**	**21-Feb-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**01-Mar-2017**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Sahyadri Project Support Scheme	01-May-2018 60	3000
Sahyadri Science Talent Hunt-SSTH (https://www.sahyadri.edu.in/Home/gallery)	11-Nov-2017 90	2000
Sahyadri Conclave	05-Jan-2018 5	3500
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Pushpalatha K, Dept of CSE	Travel GrantUGC Scheme	UGC	2017 3	149598
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**3**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

1. Caliper Engineering and Lab Pvt Ltd was set up to up skill engineers specifically for Mechanical engineering.(http://www.caliperlab.in/) 2. 5 Days Sahyadri Conclave was organised with Nobel Laureates, Turee Awardees, scientist, Industry experts and Academicians. (https://www.sahyadri.edu.in/files/downloads/SahyadriConclave20NewsLetter.pdf) 3. Sahyadri Science talent Hunt 2017 was organised for High School, PUC students of Various schools and colleges. 4. Seven day Induction program for fresh batch of MBA students. 5. Different students Startups were promoted.(https://www.sahyadri.edu.in/files/downloads/SahyadriFolder2017.pdf)

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
6. Aerophilia 2018, a National Level Aeromodelling competition to be held at Sahyadri campus	6. Aerophilia 2018, a National Level Aeromodelling competition held in Sahyadri campus was held on 27th January, 2018 (https://www.sahyadri.edu.in/newcampusbuzz/jan2018/27jan2018.html)
7.An intercollegiate quiz competition for undergraduate students to be conducted	7. Sahyadri Whiz Quiz 2018 was conducted for students from 50 UG colleges (https://www.sahyadri.edu.in/newcampusbuzz/march2018/9march2018.html)
8. A OneDay intracollegiate annual project competition	8. TechVision 2018, a one day intracollegiate annual project competition was held on 1st May 2018 (https://www.sahyadri.edu.in/newcampusbuzz/may2018/01may2018.html)
9. Orientation program for the Parents of New Entrants to Engineering Batch 2018	9. A Orientation session for the Parents of New Entrants to Engineering Batch 2018 was conducted on 14th June 2018 (https://www.sahyadri.edu.in/newcampusbuzz/june2018/14june2018.html)
10. One week induction program was planned for fresh batch of MBA students	10. Seven days induction programme on VTU Curriculum, Expectation from Industries, Soft Skills training was conducted for the fresh batch for MBA students from 21st Septmber, 2017 (https://www.sahyadri.edu.in/newcampusbuzz/sep2017/21sep2017.html)
11. Digital Marketing Workshop for MBA students	11. Two day Digital Marketing workshop for MBA students was organised on September https://www.sahyadri.edu.in/newcampusbuzz/sep2017/19sep2017.html
1. One Day Faculty Development Programme (FDP) on teaching methodology for UG teachers was planned	1.One Day Faculty Development Programme (FDP) on "The Making of a Teacher and the Art of Teaching" for UG teachers was conducted https://www.sahyadri.edu.in/newcampusbuzz/sep2017/7sep2017.html
2. Technical Aptitude and General Aptitude Training	2. Technical and General Aptitude Training sessions were started for engineering students to enable placements
3.Session on Entrepreneurship was planned for startups	3. A Session on "Entrepreneurship: An Option or Opportunity" by StartUp Karnataka TEI Bangalore (https://www.sahyadri.edu.in/newcampusbuzz/oct2017/27oct2017.html)

4. In order to popularize Science and Technology among masses and create awareness it was decided to organize 5 days "Sahyadri Conclave" in the month of January,2018.	4. A 5 days event "Sahyadri Conclave" was organized during 6th to 10th January'18. Nobel prize winners, reputed scientist, Industry Experts and Academicians from across the globe were invited for the event. (https://www.sahyadri.edu.in/newcampusbuzz/jan2018/6jan2018.html)
5. Training for staff on moral values to be conducted	5. Training at Ramakrishna Institute of Moral and Spiritual Education for Staff was conducted https://www.sahyadri.edu.in/newcampusbuzz/jan2018/18jan2018.html
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Council	**30-Jun-2018**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2018**
Date of Submission	**01-Mar-2018**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**The institute is using ERP system developed by an inhouse company. The lists of modules currently operational are • Admission – Registration, Student Details, Assigning and Readmission etc. • Finance/ Fee payment – Refund, Fee Structure, Fine Calculation, Fee Overdue, Fee Waiver, Concession and Reminders etc. • Academics – Attendance, Time Table, Syllabus, Lesson Planning, Counseling, Feedback, Calendar of events, Question Bank, etc. • Tests/Exam – Eligibility Criteria, Promotions, Result Analysis Time Table, Results, Result Analysis, No Objection/ Due Certificates, etc. • Communication – Attendance, Reports, Results, News Events, Alerts, Notices, etc. • Library**

Book Collection, Renewal, Library Fee, Book Tracking, Book reservation, Penalties, Accession register maintenance as per standards, Bar code based book issuance / receipts, etc. HR Payroll – Staff Registration, Staff Attendance, New Recruitment, Faculty Status, Payroll, Pay slip, Salary statements generation, bank advice generation, etc. • Reports – All required reports can be configured • Hostel Mess – Hostel room management, Hostel Fee, Registration, Hostel Security, Mess Bill Generation, Mess Bill Hall Ticket Mapping, etc. • Alumni – Alumni Database management, Events Functions, Circulars, etc. • Dashboards – Operational, Educational, Financial, Administration. • Mobile –Parent and faculty app. Student friendly apps

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

? A well planned academic calendar is provided to all with schedules of academic, evaluation and extra- curricular events. ? The college practices the chalk and talk method. In addition, creative and innovative methods of teaching are adapted by using ICT viz: LCD projectors and public address system. ? Each department has well ventilated, spacious class rooms with ICT facility and exclusive seminar hall. ? Detailed course material, lesson plans¸ class notes, Question banks, Laboratory manuals, and Model question papers are prepared by the faculty and made available to the students. ? Slow learners are given special attention by conducting extra coaching for each subject and fast learners are motivated through project based learning and quiz programs. ? The attendance registers are scrutinized by the Heads of departments and the Principal once in a month to ensure coverage of topics as per conspectus detailed out in the academic diary along with the actual coverage. ? Regular Class Student Representatives meetings and class teachers meetings are conducted by the HODs and the Principal to review the teaching-learning process, academic progress of the students, grievances if any, and suitable remedial measures are taken as and when necessary. ? The Library maintains question banks which are used by the faculty and students to become familiar with the pattern of examination. • The institution Library has access to e-journals and e-books of numerous reputed Professional bodies like IEEE, ASCE, PROQUEST Technology, PROQUEST Management, ELSEVIER's SCIENCE DIRECT, Springer, Knimbus Taylor & Frances etc. ? In addition to regular subject classes, the college also organizes special lectures by inviting experts from various fields to share their knowledge and experiences with the students in their field for expertise. ? The College also organizes special Personality Development Programs for overall development of the students, which is embedded as part of curriculum. ? Project based learning is made mandatory right from the beginning of the course, which reinforces theoretical learning. This has resulted in students winning laurels at project competitions by premier institutes like IIT

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Embedded Systems	Not Applicable	12/02/2018	80	employabilit y	Industrial Skill Development
Computer Com munication Networks (CCN)	Not Applicable	12/02/2018	80	employabilit y / entrepre neurship	Industrial Skill Development
Android and web development	Not Applicable	12/02/2018	80	employabilit y / entrepre neurship	Industrial Skill Development
Machine Learning and Networking	Not Applicable	12/02/2018	80	employabilit y / entrepre neurship	Industrial Skill Development
Metrology and Measurements	Not Applicable	12/02/2018	80	employabilit y / entrepre neurship	Industrial Skill Development
Non Destructive Testing (NDT)	Not Applicable	12/02/2018	80	employabilit y / entrepre neurship	Industrial Skill Development
Sensing Planet, Earth water and Ice	Not Applicable	12/02/2018	80	employabilit y / entrepre neurship	Industrial Skill Development
Sustainable Energy: Design a renewable future	Not Applicable	12/02/2018	80	employabilit y / entrepre neurship	Industrial Skill Development
Microsoft office fundamentals	Not Applicable	12/02/2018	80	employabilit y	Industrial Skill Development
Introduction to data analysis using excel	Not Applicable	12/02/2018	80	employabilit y	Industrial Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Not Applicable (no new courses introduced during the academic year)	01/08/2017
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Not Applicable (no nwe courses implemented under CBCS during the academic year)	01/08/2017

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	1492	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Machine Learning	23/01/2018	158
Web Application development	23/01/2018	194
Design sheets development of structural elements using excel	19/02/2018	35
Microsoft Office Fundamentals	19/02/2018	35
Sensing Planet Earth, Water Ice	19/02/2018	35
Embedded System	26/02/2018	120
Network Security and CCN	26/02/2018	120
IOT	26/02/2018	120
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	All	135
MBA	All	360
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
The Institution has a formal mechanism to obtain feedback from students and stakeholders, which is communicated to the university and also implemented in the teaching and learning process. Student Feedback: The student feedback is obtained twice every semester. Parent Feedback: The Parents feedback is obtained during parents' teacher meetings (PTA). Industry Feedback: As SCEM has MOU's with various companies, Industry feedback is obtained during project exhibition, campus placement, IEDC meeting, guest lectures / workshops and seminars.The feedback is analysed and value added courses introduced to bridge the gap between Industry and academia Staff Feedback: Staff feedback is obtained every semester. Alumni Feedback: Alumni feedback is obtained during the alumni meet which is conducted by SCEM every year. The feedback obtained from the stakeholders is communicated to the VTU to incorporate changes in curriculum and introduction of new courses through BOS/BOE/Academic Senate members. The feedback obtained from the students about the faculty teaching is analysed and corrective measures are taken to improve the quality of teaching by the teachers.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	All	720	1000	720
MBA	All	180	800	180
Mtech	All	114	22	22
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017	2577	478	153	37	40

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
195	195	110	63	2	15
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Student mentoring programme is available in the institution. Each faculty is assigned with around 6 students from

each year of engineering. Mentoring is done on regular basis by meeting the students and monitoring the growth of the student in academic related activities. A mentoring book is maintained for each student from 1st year of engineering to his final year of engineering. In the mentor book student details such as fathers name, mothers name, SSLC and PUC marks, contact number, hobbies etc are noted. From the first semester the students attendance status and marks are monitored during the process. It also includes how the student improves his personality development by involving him/her self in cocurricular and extracurricular activities during each semester and is recorded in the mentoring book. Academic and non academic related interactions are also maintained in the book. At the end of each semester, the mentor has to enter the suggestions given to the mentee in personal growth and academics. The students are given with goals to be attained and the mentor has to guide the mentee with the right direction to meet the goal. The outcome achieved has to be recorded in the book. Also if the students parents visit the college, the mentor has to record the same in the book. The mentor has to guide the students in selecting the SPSS projects of their area of interest and support them in completion of the project. Mentoring is a process where the student has to be shown the right direction to success. The Mentors not only support the students on Academics but on Personal, Emotional aspects of the students. Mentoring helps the students to achieve their dreams by having a broader perspective about life. It helps the students to analyse themselves in terms of their strengths , capabilities, weaknesses, fears, opportunities and gives them a understanding on how to develop weaknesses into strengths. It helps the students to take better decisions as they can take suggestions from the Mentor who has a rich experience in this field. The Mentee receives critical feedback in key areas, such as communications, interpersonal relationships, technical abilities, change management and leadership skills. Mentoring helps the mentee develop a sharper focus on what is needed to grow professionally within the organization. The Mentee gets an opportunity to learn specific skills and knowledge from the mentor that are relevant to their personal goals. It helps the Mentee to build a better network with other students as well as outside world. Gains knowledge about the institutions culture and unspoken rules that can be critical for success of the Mentee. In these days the students lack direction and focus more importantly lack of people whom they can trust and share their thoughts feelings, emotions, fears, anxieties. Though the students have all the skills required to be successful, an ear to listen to their fears is lacking thus mentee gets a friendly ear with whom they share frustrations as well.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3055	195	16

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
222	195	27	27	2

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Mr. Mahesh B Davanageri	Associate Professor	Best Paper Award
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	CSE	IV/II	14/07/2018	14/08/2018

BE	CSE	VI/III	14/07/2018	08/08/2018
BE	CSE	VIII/IV	16/06/2018	09/07/2018
BE	ISE	IV/II	14/07/2018	14/08/2018
BE	ISE	VI/III	14/07/2018	08/08/2018
BE	ISE	VIII/IV	16/06/2018	09/07/2018
MBA	MBA	IV/II	12/07/2018	14/08/2018
BE	ECE	IV/II	14/07/2018	14/08/2018
BE	ECE	VI/III	14/07/2018	08/08/2018
BE	ECE	VIII/IV	16/06/2018	09/07/2018
BE	CV	IV/II	14/07/2018	14/08/2018
BE	CV	VI/III	14/07/2018	08/08/2018
BE	CV	VIII/IV	16/06/2018	09/07/2018
BE	ME	IV/II	14/07/2018	14/08/2018
BE	ME	VI/III	14/07/2018	08/08/2018
BE	ME	VIII/IV	16/06/2018	09/07/2018
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

In HODs meeting in the beginning of the semester the dates will be fixed and finalized. 3 internals will be conducted for the each semester and out of this average of best 2 will be taken. For each internal, a week before the commencement Dean Exam will send the circular of schedule of date and time of the internal to respective HODs. Once the HODs receive it will be passed to the respective CIE department coordinator. Department CIE coordinator will prepare the time table for the internal for the particular date and time. It will be displayed on the notice board after the approval of the HOD a week before the scheduled date. Department coordinator will prepare the seating arrangement of the students for the respective branch and it will be displayed on the notice board a day before the commencement of the CIE. CIE Books are arranged according to the seating by the supporting staff of the department. Students will check it for discrepancy and inform to the coordinator if any. Duty list of the staff for the CIE exam for the department will be prepared by the CIE coordinator. On the exam day duty staff will report to CIE coordinator and invigilation room will be allotted. Student's attendance is monitored and recorded in the exam hall by the invigilator. After the exam invigilator will return to the CIE books to the department. From department these will be dispatched to the respective subject faculty. Faculties will do the evaluation within a week and upload the CIE marks to the college ERP. Class teachers of the respective section will dispatch the student attendance and CIE marks report to the parents. • CIE QP setting as per OBE requirements (Inclusion of Bloom's Taxonomy levels and Course Outcomes) • Software for automatic (Dynamic) seating arrangements for Semester End Examinations • Software for faculty allocation for Invigilation Duties • Mandatory internship for UG students

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The Academic Department headed by the Dean (Academic) monitors and evaluates the quality of teachinglearning. • It monitors the conduct of regular theory and laboratory classes, course completion, and conduct of internal assessment tests. • It ensures that the departments complete all the academic activities within the stipulated time as mentioned in the calendar of events. • It ensures

that the departments prepare all the required academic and administrative documents before the commencement of the classes and are properly notified in time and brought to the notice of all concerned. • It ensures that the departments are appropriately conducting internal assessment tests, evaluating the blue books and sending the progress reports to parents well in time. • It obtains student feedback twice a semester, one after the first internal assessment test and the other at the end of the semester, on faculty teaching. The necessary steps for continuous improvements in quality of teachinglearning are taken. • It collects reports from each department regarding the activities, student results, and performance of the department periodically. • It ensures appropriate distribution of departmental workload. • Technical and Aptitude Classes are also scheduled on a regular basis • Student Internship Program is made compulsory for first year engineering students to identify a social problem • Student Project Support Scheme was made mandatory for engineering students from second year onwards

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://www.sahyadri.edu.in/Home/accreditation

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
CSE	BE		191	183	95.81
ECE	BE		118	106	89.83
CV	BE		116	105	90.52
ISE	BE		112	110	98.21
ME	BE		191	183	95.81
MBA	MBA	All	170	167	98.2
MCS	Mtech		3	3	100
MVE	Mtech		5	5	100
MCD	Mtech		10	10	100
MMD	Mtech		3	3	100
MST	Mtech		22	22	100
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://www.sahyadri.edu.in/Home/accreditation

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year

Major Projects	1	Research Funding for Talented Teachers (RFTT), VGST, GOK	50	50
Major Projects	1	Department of ITBT, GOK Science Technology Conclave	10	10
Major Projects	1	DST, Gov. of Karnataka Science Technology Conclave	15	15
Minor Projects	1	KSCST Nithi Ayog (VGST)	1.7	1.7
Minor Projects	1	SERBDST, Science Technology Conclave	3	3

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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
EcoFriendly Products and Practices	Civil Engineering	27/04/2018
Smart Cities	Mechanical Engineering	07/01/2018
Startup Journey	Mechanical Engineering	08/01/2018
Workshop on RUST Programming	NAIN	10/02/2018
Seminar Dev Host	NAIN	04/05/2018

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Smart Helmet	Mr. Navajith	Gold Award, KPIT Sparkle 2018	20/02/2018	Innovation

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
New Age Incubation Network	NAIN	Dept of IT BT Govt of Karnataka	NA	NA	10/01/2018

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
	1	1

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Computer Science and Engineering	3
Physics	1
Electronics Communication and Engineering	2
Department of Business Administration	2
Mechanical Engineering	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics Communication and Engineering	39	4.06
International	Mechanical Engineering	1	2.6
International	Department of Business Administration	8	4
National	Information Science and Engineering	1	0
National	Department of Business Administration	3	0
International	Computer Science and Engineering	16	0
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science and Engineering	2
Electronics Communication and Engineering	1
Information Science and Engineering	1
Mechanical Engineering	5
Department of Business Administration	18
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Localization in Wireless Sensor Networks using Rigid Graphs: A Review	Shamantha Rai Bellipady, Shirshu Varma	Wireless Personal Communications	2017	0	IIIT Allahabad	4
A 3D Radio Irregularity Model (3DRIM) for Wireless Sensor Network	Shamantha Rai Bellipady, Shirshu Varma	Wireless Personal Communications	2017	0	IIIT Allahabad	1
Pesticide Indicator: A Smart Pesticide Assistance for Farmers in Agriculture	Suchetha G et al.	IJCSMC	2017	0	Sahyadri College of Engineering and Management	1
Influence of ageing time on hardness, microstructure and wear behaviour of AISI2507 super duplex stainless steel	Mahesh Davanager, S Narendranath, Ravikiran Kadoli,	Materials Research Express,	2017	0	Department of Mechanical Engineering, Sahyadri College of Engineering and Management, Adyar,	2
A Study on Mechanical and Vibration Characteristics of Mother of Pearl Filled Fibre Reinforced Epoxy	A Rakshit, Mahesh B D avanageri, R Hanuamntharaya, KC Babishsha, Deeksha Shetty	Journal of Mechanical Engineering and Automation	2017	0	Department of Mechanical Engineering, Sahyadri College of Engineering and Management, Adyar	1

Composite							
Failure Analysis of Woven Glass Fiber Reinforced Epoxy Plastic Composite Laminates by Drilling Using Finite Element Method	Suhas,Jaimon D. Quadros and Vaishak N. L	American Journal of Materials Science,	2017	0	Department of Mechanical Engineering, Sahyadri College of Engineering and Management, Adyar	0
Dry Sliding Wear Behavior of AA 7075 Reinforced Short Coated Carbon Metal Matrix Composites	P. Suhas, N.L. Vaishak, J. D. Quadros	Journal of Advanced Manufacturing Technology,	2017	0	Department of Mechanical Engineering, Sahyadri College of Engineering Management, Mangalore, India	1
A Review on Properties of Basalt Fiber Reinforced Polymer Composites	Vikas G.1, 2, Sudheer M	American Journal of Materials Science,	2017	0	Department of Mechanical Engineering, Sahyadri College of Engineering Management, Mangalore, India	11
Influence of Demographic Factors on Visitor Perceived Value and Visitor Satisfaction in Bangalore Amusement Parks	Mr. Avinash B N Dr. Vidyavathi	IRA International Journal of Management Social Sciences	2017	0	Sahyadri College of Engineering and Management	3
Influence of Demogra	Mr. Avinash B	International	2017	0	Sahyadri College of	1

phic Factors on Visitor Loyalty and Visitor Switching Behaviour: A Study on Bangalore Amusement Park Visitors	N Dr. Vidyavathi K	Journal of Innovative Research in Science, Engineering and Technology			Engineering and Management	
Influence of Demographic Factors on Visitor Loyalty and Visitor Switching Behaviour: A Study on Bangalore Amusement Park Visitors	Dr Vidyavathi K	International Journal of Innovative Research in Science, Engineering and Technology	2017	0	Sahyadri College of Engineering and Management	1
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Design and fabrication of a magnetically actuated noninvasive reusable drug delivery device	Joyline germine dsa	Drug development and industrial pharmacy	2018	7	2	IIIT Allahabad
Back propagation genetic and recurrent neural network applications in modelling and	Dr.Manjunath Patel	Applied Soft Computing Journal	2017	8	9	Department of Mechanical Engineering, National Institute of Technology Karnataka, Surathkal,

analysis of squeeze casting process						India

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	5	81	28
Presented papers	12	2	0	0
Resource persons	1	7	5	3

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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Basic Life Saving skill for first Responders	Sahyadri NSS Unit	1	120
Self Defence Training	Sahyadri NSS Unit	1	80
International Yoga Day	Sahyadri NSS Unit	3	80
PGCET Training	MBA	6	270
WHIZQUIZ	MBA	18	6000
Awareness programme on Laws related to women	Sahyadri NSS Unit	1	100
Rashtriya Eekata Divas	Sahyadri NSS Unit	1	10
125th Anniversory of Swami Vivekanandas Chicago Address	Sahyadri NSS Unit and Ramakrishna Math	1	120
Basic Life Saving skill for first Responders	Sahyadri NSS Unit	1	120
Self Defense Training	Sahyadri NSS Unit	1	80
International Yoga Day	Sahyadri NSS Unit	3	80
Awareness programme on Laws related to women	Sahyadri NSS Unit	1	100

Beach cleaning – Beat the plastic (5 days)	Mangalore City Corporation and College of Fisheries	150	100
Research and Product Development ,Avenues, funding and product life cycle	Former Group Manager, Infosys	18	400
Visit to Orphanage	Infant Mary Convent, Jeppu	2	50
Awareness programme on Laws related to women	Sahyadri NSS Unit	1	100
Rashtriya Eekata Divas	Sahyadri NSS Unit	1	10
125th Anniversory of Swami Vivekanandas Chicago Address	Sahyadri NSS Unit and Ramakrishna Math	1	120
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Swachh Soach, Swachh Bharath, Swachh Manas, Swachh Mangalore	Appreciation Award	Ramakrishna Mission, Mangalore	1000
No file uploaded.

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
CSR	Mullakad Govt High School , Konchady	Student Development Programme	1	30
CSR	Wenlock District Hospital , Mangalore	Distributed fruits to patients and family	5	10
CSR	UBMC Primary School , Gorigudda	Training Programme on personality development	1	10
ISR	Angaraguddi Govt school. Baikampady	Training programme on Team work	1	10
ISR	GFGC Udupi	EMPLOYMENT	2	6

		TRAINING PROGRAMME			
CSR	KMC Hospital and Indian Red Cross	Blood donation camp	1	20	
Swachh Bharat Abhiyana	Sahyadri NSS Unit Ramakrishna Math Mangalore	Shramadan at Ramakrishna Math Mangalore	1	120	
CSR	Church Jubilee Memorial Study Centre	Volunteering	1	1	
CSR	Bala Samarakshana Kendra	Programme And Supply Of Sports Equipments	2	40	
CSR	Shramadhana, Polali Temple	Volunteering	1	25	
ISR	Church Hall, Urwa District Level Special Children	Donated Contribution For The Welfare Of Differently Abled Children	1	26	
CSR	Swachh Sankalp	Door To Door Awareness Programme	2	30	
CSR	Elementary School Children, TCIS	Multiple Intelligence And Learning Style Assessment	1	15	

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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Postdoctoral research	Dr. Steven L. Fernandes	University of Central Florida	2

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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Ernst and Young LLP	09/07/2018	Certification Programmes and Value added Courses	116
Caliper Engineering LAB Pvt Ltd	31/08/2017	Technical Skill Development Training	6
Karnataka Biotechnology Information Technology Services (KBTIS)	28/09/2017	Startup activity	8
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
723	723

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar halls with ICT facilities	Existing
Video Centre	Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Laboratories	Existing
Classrooms with LCD facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Others	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
No file uploaded.	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Libsys	Fully	6.0	2008

4.2.2 – Library Services

Library	Existing	Newly Added	Total

Service Type						
Text Books	37890	9480319	875	407579	38765	9887898
Journals	88	428125	0	232432	88	660557
e-Journals	21322	2206800	0	1549500	21322	3756300
Library Automation	1	220000	0	0	1	220000

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.Steven Lawrence Fernandes	Image Processing on Raspberry Pi Beginner to Advanced	Udemy	08/11/2017

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1175	15	100	1	1	1	1	100	
Added								200	
Total	1175	15	100	1	1	1	1	300	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

300 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
EContent and Video Recording Facility	https://sahyadri.edu.in/Home/Library

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
200	180	250	240

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Infrastructure facilities: There is an exclusive civil maintenance department headed by trustees, which plans for the entire year in relevance to short term

strategic plan of three years. It takes care of the entire Institution spanning buildings, roads, gardening, keeping in view the ecological balance. The department wise requirements are placed before the principal and the management committee which will be sent to the governing council for approval. Once it is approved the maintenance department will prepare the plan and send it for budget approval Maintenance procedure: Periodically all the buildings are inspected and repairs are carried out as per the maintenance schedule within the ambit of budget. • All the buildings are painted once in two years with quality paint. • Wall cracks and roof cracks are to be identified and filling done by using suitable materials. • All the roads have interlock system, with timely maintenance. • Greenery (lawns, plants and trees) Stretches are maintained inside the campus and are monitored on a day to day basis. Equipment facility Lab equipments are maintained with proper maintenance schedules, breakdown, routine and planned maintenance. This is undertaken at each department level. Computing facility • This is maintained by the System Administrator. • As per the AMC agreement two resident engineers are placed for maintaining • all the computing facilities and its accessories on a day to day basis. • General inspection and servicing activities are reviewed once in a semester. Library The Library is monitored and maintained by the Library Committee. It takes care of binding of torn books, weeding out of unusable and outdated books. The journals and magazines are kept as repository as bound volumes annually

https://www.sahyadri.edu.in

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Sahyadri Project Support Scheme	360	180000
Financial Support from Other Sources			
a) National	AICTE GATE Exam Special Scholarship Kittur Rani Chennamma Puraskar MCC 7.25 Fund Scholarship MHRD Scholarship OBC Fee Concession SC Above 2.5 Lac SC Scholarship Below 2.5 Lac Income ST Above 2.5 Lac ST Scholarship Below 2.5 Lac Income	697	10704680
b)International	NA	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			

| 5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year |

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	Five reputed universities from the United States visited Sahyadri for student interaction on Higher Studies Opportunities at US	120	6	0	0
2018	GATE Coaching	15	8	1	0
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| 5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year |

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
4	4	10

5.2 – Student Progression

| 5.2.1 – Details of campus placement during the year |

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					

| 5.2.2 – Student progression to higher education in percentage during the year |

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2017	3	BE	ECE	University of Alabama	MS
2017	1	BE	ISE	Sahyadri College of Engineering and	MBA

2018	1	BE	ISE	Australian University	MS
				Management	

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	15

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institute has an active Student Council involving representatives from all departments. The council heads are selected for various activities related to Academics, Training, Placement, Research, Sports and Cultural, Industry Connect, Entrepreneurship etc and participation in various activities through various student clubs. • The Institution has counselling services pertaining to all the areas: Academic • Mentoring: The Institution has unique programs in which twenty students are mentored by a faculty member. Interaction helps in identifying the weakness of the students the mentors develop a plan of action for meeting the requirements of such students and develop the course of action for effective mentorship. During this process they are also counselled for career opportunities and setting goals for the future – whether to go for jobs or to pursue higher education or start their own enterprise. • As the part of the orientation for newly joined first year students, industry personnel are invited to give them the industrial perspective of engineering education, which can boost the confidence of students. • In the second year, branch specific counselling is given by industry personnel, scientists and academicians. Personal Psychosocial Counselling • The Institution has a professional counsellor who makes herself available whenever students need her help. She has shared her phone number with all the students by visiting all the classrooms. • The class teachers and the mentors counsel the students whenever required. Student Welfare Officers regularly observe the students on a day to day basis. • The student grievance cell, antiragging cell, and sexual harassment cell are also involved in the counselling of students. Career Guidance The Institution provides professional career counselling through: • Training and placement department. • Interaction with the corporate world. • Preplacement talks. • Alumni visits to the campus and addresses to the students.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Institution has a registered Alumni Association (Registration No. DKM/S166/2016 17). The alumni association is engaged in organizing alumni meets from time to time and extends its activity regarding Student Support and Progression. Alumni Networking: • The Alumni Association is formed at the college to have a strong alumni network. • The Alumni Meet is organized at the Campus once a year. • Alumni have a separate portal in the Institution website and individual access is given to each member. • Alumni share their Technical expertise. • They guide students aspiring for higher education by providing GATE coaching and assistance. • Company Contacts are voluntarily shared by the alumni. They also inform the Institution regarding the various Seminars, Hackathons being different institutes, thereby providing a platform for the current student. • Former Faculty: Daily/Weekly and Monthly buzz and the newsletters published once a semester, which presents the activities of the Institution in a nutshell, are sent to the alumni and all the faculty. Alumni off Campus Student support • Students are provided with Offcampus drive information as part of campus support. These offers are open to students for nearly 45 years from their year of passing out. Alumni achievements are always highlighted in the campus buzzes, who indeed are the role models for the juniors at the campus. • Alumni are encouraged to visit the institution regularly to interact with the students as well as the faculties, which in turn helps in upgrading the knowledge with current and upcoming trends. Various latest technologies that are adopted by the companies are introduced to the students to enhance their technical skills and also help the faculties to analyze industry requirements.

5.4.2 – No. of enrolled Alumni:

4384

5.4.3 – Alumni contribution during the year (in Rupees) :

903000

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Meet organized on 22nd April,2017. It was a day long event where the Alumni visited the campus and interacted with the students of the respective department and shared their experience followed by a fun filled event in the evening with the talent show by Alumni as well as current students

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Inclusiveness requires participation of various stake holders and openness in governance. To achieve good governance through Governing Body (GB), the GB takes the inputs from various branches of institutional committees, which requires leaders and dedicated team. The flow shows decentralization of implementation but single attainment assessment process. It gives equal opportunities on competence irrespective of gender. Keeping inclusiveness in mind various statutory and nonstatutory committees have been set up in the institution for good and better governance, this also brings transparency. The institute has Dean Academics and Dean Examinations who take care of activities related to Academics and Internal and External examinations respectively.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	Even though we are a university affiliated institute we have introduced innovative methods of teaching in the curriculum Industry connect programmes where in house industries and expert in the field take sessions for the students on industry practices Hands on experience labs for the students to have in depth knowledge on the various branches of engineering Training on Future Skills like Artificial Intelligence, Big Data, data Analytics, Machine Learning, Internet of things, Cyber Security, Cloud Computing

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Administration	HRMS provides facilities like leave management, Salary slips. It also supports academic performance management like lesson plan, attendance system
Finance and Accounts	College ERP package support manage all the fees collection, receipts payment towards various capital and revenue expenditure
Student Admission and Support	College ERP package support for students enrollment, admission, tracking the academic records, attendance, student feedback thereby ensuring end to end tracking

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017	Mr. Krupaksha H K	Modelling and analysis of sustainable transport (1Week	TEQIP	10000

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6.3.2 – Number of professional development / administrative training programmes organized by the College for

teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	ThreeDay Faculty Development Programme on 'Student Induction Programme' sponsored by AICTE (https://www.sahyadri.edu.in/newcampusbuzz/june2018/18june2018.html)		18/06/2018	20/06/2018	100	0
2018	Orientation Course in Value Education	Orientation Course in Value Education	09/04/2018	11/04/2018	10	30
2018	Sahyadri science Conclave	Sahyadri science Conclave	06/01/2018	10/01/2018	150	200
2018	Faculty Develepment Programme at RIMSE Mysore		08/01/2018	12/01/2018	2	0
2017	Road to NBA Accreditation An workshop on Outcome Based Education and Blooms Taxonomy		14/07/2017	15/07/2017	16	3
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):			
Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
27	27	4	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Maternity Leave Paid, Gratuity, PF, Insurance, Deputation for Higher Education, Quarters, Fee concessions for staffs wards in UG and PG course admission , In house emergency medical facility	Maternity Leave Paid, Gratuity, PF, ESI, Quarters, Uniform and allowances for support staff, Fee concessions for staffs wards and admission for staff wards, Inhouse emergency medical facility	Scholarships, In house Medical Facility

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

> Planning and Budgetary Control are effectively monitored in the Institution. The Institution prepares the budget in accordance with the requirement of the departments. The Budget is presented before the Governing Council for approval. A transparent procedure is adopted by the accounts section of the Institution where each credit and debit is recorded. Major expenses like Salary and repayment of loan and interest are segregated and parked separately for timely repayment. Infrastructure and operating expenses are calculated as per the availability of funds. Financial audits are taken up by the chartered accountants at the end of each financial year. Last audit was done in the assessment year 20172018. No major audit remarks. Internal audit is done to check the cash book on regular basis

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Bhandary Foundation	15000000	Sahyadri Conclave
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6.4.3 – Total corpus fund generated

930000

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AICTE/VTU	Yes	IQAC/PQAC
Administrative	Yes	AICTE/VTU	Yes	IQAC/PQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

- Every semester, Parents Teacher meeting is arranged to discuss about the development in the Institution • Discuss the activities performance of their wards and issues of respective tests • Carry out corrective actions as per the schedule and parents are also contacted during the emergency circumstances or medical issues of students

6.5.3 – Development programmes for support staff (at least three)

Training Programmes arranged for Support staff in the campus from External Agencies: ? "Sensitizing workers about safety and health measures to be adopted at workplace" ? Communication Behavioural skills ? Attitudinal behavioural skills and changing mindset ? Building Leadership qualities ? Fire Safety Measures

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. IQAC was formed and all the processes and practices were audited 2. promoting entrepreneurship culture among students by providing space within the campus 3. Focusing on enhancing the industry connect enabling better internships and placements for students

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	"Sahyadri Conclave"	04/09/2017	06/01/2018	10/01/2018	2000
2017	"AEnCES" (Association of Electronics and Communication Engineering Students)	04/09/2017	15/10/2018	15/10/2018	320
2017	Induction Programme for MBA students	04/09/2017	22/09/2017	29/09/2017	180
2017	Sahyadri Science Talent Hunt	04/09/2017	11/11/2017	11/11/2017	2000
2017	12 day Bridge Course for B E students	02/06/2017	24/07/2017	05/08/2017	300
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Gender Diversity Cross Cultural Skills Building	22/09/2017	22/09/2017	71	68

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Energy conservation • The Institution has gradually moved from normal light bulbs (least required wattage) to tube lights, slim lights, CFLs and LEDs. • The Institution has replaced the CRT by LCD monitors thus conserving energy to the extent required. • Implementation of Virtualization at both Server and Desktop level for computing facility. • Periodic maintenance of the UPS Batteries that has reduced frequent charging for effective utilization. • Planning to generate electrical power for captive use from solar energy. • Periodical equipment checking and monitoring is carried out to avoid excess power consumption. Use of renewable energy • Solid waste, food waste from canteen and hostels is being utilized for biogas generation and used as fuel in the canteen kitchen. Biomass, Grass, Leafy materials are composted and used as a bio manure in the campus. • Domestic waste water is treated and reused in the campus for gardening. • Electricity is conserved by using solar energy for hot water in the hostels. • Hot water using solar power for cleaning utensils in the canteen. • Street lights are installed at vulnerable points using solar panels.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	10
Provision for lift	Yes	10
Ramp/Rails	Yes	15
Rest Rooms	Yes	20

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2017	1	1	02/10/2017	1	Swacch Baharat	Pollution	350
2018	1	1	01/06/2018	5	Beach Cleaning on account of enviro	Pollution	300

			nmental day		

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Conduct and Rules	30/06/2017	The code of conduct are issued to every student as part of the admission process.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Training at Ramakrishna Institute of Moral and Spiritual Education for Staff was conducted	16/01/2018	18/01/2018	230

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The Institution has adopted different strategies to make the campus sustainable and environmental friendly. Energy conservation • The Institution has gradually moved from normal light bulbs (least required wattage) to tube lights, slim lights, CFLs and LEDs. • The Institution has replaced the CRT by LCD monitors thus conserving energy to the extent required. • Implementation of Virtualization at both Server and Desktop level for computing facility. • Periodic maintenance of the UPS Batteries that has reduced frequent charging for effective utilization. • Planning to generate electrical power for captive use from solar energy. • Periodical equipment checking and monitoring is carried out to avoid excess power consumption. Use of renewable energy • Solid waste, food waste from canteen and hostels is being utilized for biogas generation and used as fuel in the canteen kitchen. Biomass, Grass, Leafy materials are composted and used as a bio manure in the campus. • Domestic waste water is treated and reused in the campus for gardening. • Electricity is conserved by using solar energy for hot water in the hostels. • Hot water using solar power for cleaning utensils in the canteen. • Street lights are installed at vulnerable points using solar panels. Rainwater harvesting Check dam construction The terrain of the campus is plain and there are no streams passing through it, so a check dam is not applicable. Efforts for Carbon neutrality SCEM has initiated the process to determine carbon neutrality and audited the entire process. Plantation SCEM campus is spread over 18 acres on the banks of Netravathy free from pollution and noise. Each block of the building and playgrounds are surrounded by large green lawns, and trees which maintain a healthy and balanced environment. The Institution has been maintaining greenery with lawns, shrubs and trees for keeping carbon neutrality stable. Crotons, cacti and some varieties of flowering plants are grown as indoor plants placed in corridors, laboratory and also in Departmental chambers. Hazardous waste management No hazardous waste is produced in the campus except the oil generated from the DG set used for backup power which is about 100 liters /year. The same is dispensed to the authorized vendor for recycling. Hazardous chemicals used in the labs are diluted and safely flushed out beyond the reach of the community. ewaste management Reusable electrical, electronic and computers discarded in the college due to obsolescence are exchanged/sold to dealers/vendors. Nonworking computers, monitors and printers

are discarded and scrapped on a systematic basis and disposed to authorized vendors approved by the government agency.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. The "Sahyadri Conclave" is an initiative to popularize Science, Technology Management amongst the masses and create an awareness regarding its impact on Socioeconomic levels for a sustainable development of the nation (https://www.sahyadri.edu.in/files/downloads/SahyadriConclave NewsLetter.pdf) 2. Sahyadri Center for Social innovation (SCSI) was founded on the principles of enabling change through social engineering. It was inaugurated by Padmashri Dr. Prahlada Rama Rao, Former Vice Chancellor of Defence Institute of Advanced technology and Former Director of Defence Research and Development Laboratory (https://sahyadri.edu.in/NewsMedia/download) 3. To provide the best infrastructure for real time industry experience and training from industry experts which help to transform our students to future entrepreneurs (https://sahyadri.edu.in/files/downloads/SahyadriStartUps2018.pdf) 4. Department of Business Administration of Sahyadri College of Engineering Management organized "Sahyadri Whiz Quiz a quiz competition. This event is for undergraduates to create a funfilled atmosphere for learning and acquiring General knowledge about current events in business world. (https://sahyadri.edu.in/files/downloads/WhizQuiz20SahyadriMBA20NewsLetter.pdf) 5. To boost the confidence of the students and make them feel they can achieve their dreams even at an institution as Sahyadri College of Engineering and Management (https://sahyadri.edu.in/files/downloads/FirstYearstudent.pdf) 6. Sahyadri Campus Buzz captures all activities of the institution on a daily and weekly basis and is transmitted to all stakeholders

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

https://sahyadri.edu.in/NewsMedia/download

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

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. We have taken a great leap in providing the infrastructure and getting corporates to establish their offices within the campus so as to ensure that our students can easily have access to real time work environment. The companies are providing training on the skill sets which are in demand by the industry, giving an edge to our students to start a great career with good pay packages. Sahyadri has been recognized by the Govt. of Karnataka to be the Mangalore Centre for NAIN (New Age Incubation Network). The institute is much ahead in providing facilities for the students and identifying the proper training exposure for the students Sahyadri Center for Social Innovation (SCSI) is to motivate the students in the area of Social Innovations thus providing hands on experience and practical exposure to solve socially relevant problems. With the problems growing in the society, the engineers should have solutions ready kits to solve those problems and thereby create an ideal environment to evolve. Handon Experience Lab: It is built on the lines of "Make in India" concept where students are encouraged to pursue their ideas and innovate continuously. In order to bridge the gap between theory and technology, the college has initiated this lab. It is a fullfledged 24X7 technical workspace. Student Project Support Scheme (SPSS): Motivating first year students'

participation in National Event/ Organizing event / Exhibitions / Developing creativity, Innovation and healthy competitive spirits are the core elements of Technical Career Education mission of imparting quality education • Group of 67 first year students are given an opportunity to participate in national and international event • 530 First year Engineering students participated in various technical competitions at IITs, NITs and renowned premier institutions across the country and won many accolades (https://sahyadri.edu.in/files/downloads/SahyadriStartUps2018.pdf) The "Sahyadri Conclave" , an initiative to popularize Science, Technology Management amongst the masses and create an awareness regarding its impact on Socioeconomic levels for a sustainable development of the nation (https://www.sahyadri.edu.in/files/downloads/SahyadriConclave20NewsLetter.pdf)

Provide the weblink of the institution
https://sahyadri.edu.in

8.Future Plans of Actions for Next Academic Year

1. Imagination, critical thinking, creative thinking combined with right tools and resources can empower a generation to be a problem solver. Moreover AICTE VTU stresses on industry readiness and mandates the setup of industry interaction cell that ensures employability of the graduates. In this regards, Sahyadri College of Engineering and Management intends to setup a full fledged Industry Interaction Cell which not only enables students to connect to several industries but also learn additional value added courses through industries and take up internships. 2. Mentor_Mentee: The campus would like to bring in a new structure in Mentor_Mentee bonding to enhance the efficiency of the system to make the mentees to feel more comfortable and instill confidence in them to interact with mentors more freely. 3. Access to launch pads to kick start engineering journey: Sahyadri College of Engineering and Management would not only provide value added education but would also like to be a launchpad to create products out of their projects 4. Industry oriented learning with in_house industries: It is proposed to setup additional in_house industries to enable better learning with practical exposure for the students