



Yearly Status Report - 2018-2019

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.R.Srinivasa Rao Kunte |
| Designation | Principal |
| Does the Institution function from own campus | Yes |
| Phone no/Alternate Phone no. | 08242277200 |
| Mobile no. | 9448100123 |
| Registered Email | principal@sahyadri.edu.in |
| Alternate Email | viceprincipal@sahyadri.edu.in |
| Address | 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 | | Dr.Rajesha S | | | |
| Phone no/Alternate Phone no. | | 08242277200 | | | |
| Mobile no. | | 9448100123 | | | |
| Registered Email | | principal@sahyadri.edu.in | | | |
| Alternate Email | | dean.academics@sahyadri.edu.in | | | |
| 3. Website Address | | | | | |
| Web-link of the AQAR: (Previous Academic Year) | | https://sahyadri.edu.in/Home/accreditation | | | |
| 4. Whether Academic Calendar prepared during the year | | Yes | | | |
| if yes,whether it is uploaded in the institutional website: Weblink : | | https://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 | | | 01-Jun-2018 | | |
| 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 | |

| | | |
|--|-------------------|------|
| BE-Bridge Course | 03-Jul-2018 13 | 700 |
| SSTH (Sahyadri Science Talent Hunt) | 10-Nov-2018 01 | 1200 |
| SPSS (Sahyadri Project Support System) | 01-May-2019 01 | 2000 |
| MBA-Bridge Course | 27-Aug-2018 05 | 90 |
| Whiz Quiz (for MBA aspirants) | 08-Mar-2019 01 | 900 |
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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 |
|---------------------------------|----------------|---------------------------------------|-----------------------------|---------|
| Faculty | VGST | VGST | 2014 730 | 1000000 |
| Institution | NAIN | Dept of IT BT Govt of karnataka | 2018 365 | 2000000 |
| Institution | Unnath Bharath | MHRD | 2018 365 | 50000 |
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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 :

2

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)

- Conduction of Industry Connect classes along with the regular academic classes for students to prepare them for the industrial skill requirements.
- Training of

Teachers for effective implementation of OBE process and deputation of them for the inhouse and other industries for training in the emerging areas. • Selection of Student Projects under the SPSS (Sahyadri Project Support Scheme) for further development with financial assistance from Dept. of ITBT and Science Technology, Govt of Karnataka to the tune of Rs Three Lakhs each. • Restructuring of Internal Examination System (CIE) for quality enhancement leading to improved students' performance. • Accreditation of the Institution by 'Institution of Engineers (India)' and enhancement of Placement offers and Number of companies visiting for placements due to various quality initiatives. • Getting First Rank in University examination in Undergraduate programme of Computer Science Engineering.

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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 |
|---|---|
| Industry connect classes | Students got exposure to the industrial way of solving problems and the industrial skills |
| Restructuring of Mentor-mentee system | More ineractions and counselling with students improved the confidance of facing and overcoming the problems |
| Advanced and Company specific training for placements | Improved placements offers and number of compaines visitng the campus |
| Centrlized internal examination system | Better performance of students and quality of conduction of tests |
| Parent Orientation | In order to set the right expectation for the graduating students |
| Induction programme | In line with the AICTE guidelines activities are carried out and it is ensured that students are future ready |
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14. Whether AQAR was placed before statutory body ?

Yes

| Name of Statutory Body | Meeting Date |
|------------------------|--------------|
| Governing Council | 21-Jul-2019 |

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

2019

| | |
|--|---|
| Date of Submission | 31-Jan-2019 |
| 17. Does the Institution have Management Information System ? | Yes |
| If yes, give a brief description and a list of modules currently operational (maximum 500 words) | <p>The institute is using ERP system developed by an inhouse company. The lists of modules currently operational are</p> <ul style="list-style-type: none"> • 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. • Technical and Project Exhibitions are organized for students to enhance the subject interest. \ • Feedback and suggestions are collected from Industry experts to improve employability skills of students

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 |
|--|-----------------|-----------------------|----------|---|--|
| Industry Connect Course | | 17/07/2019 | 180 | Future Skills and Thrust area | Skills relevant to electronics and communication engineering |
| NPTEL online Course | | 16/07/2019 | 60 | Core subject supporting | Enriching the course knowledge |
| Other MOOC course | | 19/07/2019 | 60 | Core subject supporting | Enriching the course knowledge |
| CADMEUM CAD Certification | | 18/06/2019 | 90 | Employabilit y | 3D Solid Modeling Skills |
| Staad Pro | | 30/06/2018 | 80 | Employabilit y | Programming Skills |
| Application of Visual Basic in Civil Engineering | | 04/02/2019 | 80 | Employabilit y/ Entreprene urship | Application development |
| ActCAD | | 30/07/2018 | 80 | Employabilit y | Drafting |

| | | | | |
|---|------------|----|---------------------------------|-----------------------|
| Developing Excel Sheet for Civil Engineering Problems | 04/02/2019 | 80 | Employability/ Entrepreneurship | Problem Solving Skill |
| Pay Roll Administration | 27/09/2018 | 2 | Employability | Skill Development |
| Digital Marketing | 03/11/2018 | 2 | Employability | Skill Development |
| EY Certificate Programme | 27/09/2018 | 10 | Employability | Skill Development |
| Data Analytics | 08/04/2019 | 8 | Employability | 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 | 01/07/2018 |
| No file uploaded. | | |

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 | 01/07/2018 |

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

| | Certificate | Diploma Course |
|--------------------|-------------|----------------|
| Number of Students | 744 | 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 | 23/08/2018 | 192 |
| Web Application Development | 23/08/2018 | 192 |
| Network security and CNN | 23/08/2018 | 180 |
| Industrial Metrology | 14/08/2018 | 220 |
| NonDestructive Testing Methods | 18/07/2018 | 225 |
| CNC Programming | 17/08/2018 | 218 |
| Welding Technology | 17/08/2018 | 223 |
| Outbound Training | 27/10/2018 | 110 |
| Outbound Training | 02/12/2018 | 130 |

| | | |
|-------------------|------------|----|
| Outbound Training | 13/10/2018 | 25 |
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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 | Civil Engineering | 121 |
| BE | Computer Science & engineering | 192 |
| BE | Electronics and Communication Engineering | 121 |
| BE | Mechanical Engineering | 150 |
| BE | Information Science & Engineering | 93 |
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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 |
|---|
| <p>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 analyzed 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 analyzed and corrective measures are taken to improve the quality of teaching by the teachers.</p> |

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 Branches | 756 | 1100 | 736 |

| | | | | |
|-------------------|----|-----|-----|-----|
| MBA | NA | 180 | 400 | 179 |
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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 |
|------|---|---|---|---|--|
| 2018 | 2874 | 354 | 149 | 19 | 0 |

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 | Number of smart classrooms | E-resources and techniques used |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 168 | 168 | 110 | 63 | 2 | 15 |

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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

• Mentor Mentee is the one of the initiatives of Sahyadri college. The system is made more structured and effective year by year to provide the monitoring and counseling service to students in the academic and as well their personal front problems. • Mentors provide preliminary induction at the beginning, followed by academic guidance and moral psychological support with a vision of promoting positive attitude by fostering their personal, emotional, social, spiritual and psychological wellbeing. • Each Mentor is allotted a group of 6 to 8 mentees from all the years right from first year till the final year. Mentor need to interact with mentees. Mentors need to collect basic details of mentees and their academic progress details and document in a pink book provided for each mentee. • Mentors need to have regular meeting with mentees at least thrice in a semester to discuss and record the academic progress and personal problems, if any. Meanwhile if the student performance is not up to the mark mentors need to counsel them and inform to their parents. • A full time qualified Student Counselor has been appointed, who will provide timely counseling and referral services to the needy students. Also, regular programs on life skills, personality developments and health awareness are conducted for the benefit of the students.

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|--|-----------------------------|-----------------------|
| 3228 | 168 | 19 |

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 |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 168 | 145 | 23 | 23 | 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 | Designation | Name of the award, fellowship, received from |
|---------------|--|-------------|--|
|---------------|--|-------------|--|

| | | | |
|-------------------|--|---------------------|--|
| | state level, national level, international level | | Government or recognized bodies |
| 2019 | Janardhana Swamy | Assistant Professor | Most promising Educator in Higher Education Across India for the year 2019 by Academic Council of Ulektz |
| 2018 | Dr. Pushpalatha K | Associate Professor | UGC grant to present a paper at 19th IEEE International Symposium on Multimedia at Taichung, Taiwan |
| 2018 | Dr. Navin N Bappalige | Associate Professor | Endowment Dept. Govt of Karnataka |
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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 |
|---|----------------|----------------|--|---|
| No Data Entered/Not Applicable !!! | | | | |
| View File | | | | |

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

SCEM follows Summative and formative assessment approaches as a mechanism of Continuous Internal Evaluation (CIE) process as per the University guidelines. Academic performance of students is evaluated both by CIE and SEE. Summative Assessment: The institution follows a Centralized Continuous Internal Evaluation System to evaluate student learning at regular intervals by conducting CIE (three per semester). The performance is evaluated through the CIE marks scored and the corrective actions are initiated to improve the academic performance. To maintain transparency, the examination process is strictly monitored and after the CIE paper evaluation, the marks are communicated to the students along with the Scheme of Evaluation. The finalized marks after every CIE will be uploaded to the internal web portal for access through a unique Login ID along with the postal correspondence. The CIE marks will be consolidated and uploaded to the University portal. For every course, TWO question papers (QP) will be set. However, this requirement may vary based on the subject and recommendations of vertical coordinator. The cognitive level of Bloom's Taxonomy may be set to the same level for uniformity. Course Leaders will verify the 2 sets of QPs set by the faculty for the compliance and any variance inform the faculty to revise if required. The vertical coordinators sit with the respective course leaders to scrutinize the revised QPs and modify or mix up the questions to satisfy the OBE requirements. At the end, 2 sets of quality QPs will be finalized for every course. The vertical coordinator submits the 2 sets of QPs per course to Dean Examinations, in person, in sealed envelopes. Examination cell makes arrangements to photocopy the QPs and keeps them in Dean Examination's custody. Departmental CIE coordinator collects QPs from Dean Examinations 30 minutes before test. Respective faculty members

course leaders prepare the scheme immediately after the exam. Evaluation of papers happen in 2 stages: In the first stage, faculty handling the subjects will evaluate the papers. In the second stage, around 10 percentage of the papers will be moderated. If the difference is more than 20 percentage it will be brought to the notice of vertical coordinator, Head of the Department Dean Examinations and corrective measures are taken. Rigor and transparency in the Continuous Internal Evaluation are achieved by Question paper review at four levels, Setting up of QP for First year B.E.by external faculty, Setting up of Squad to drive the ethical practices, Installing CCTV cameras in all examination blocks, Setting up of Moderation system for transparent assessment, Circulating and publishing scheme and solutions with breakup marks for questions. Formative Assessment: Formative assessment is part of the instructional process which is done by the faculty concerned in their respective subjects to monitor student learning and to provide ongoing feedback to improve their teaching. Some of the formative assessments are Activity Based Learning, Seminar Presentation, Assignments, Subjects Quizzes, Case Studies, Group Discussions, Debates, Brain Storming Sessions, Online Tests, Field Work/ Field Visit

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 teaching learning.
- 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 teaching learning 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://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 |
|---|----------------|--------------------------|---|---|-----------------|
| No Data Entered/Not Applicable !!! | | | | | |
| View File | | | | | |

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://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 |
|--|----------|------------------------------|------------------------|---------------------------------|
| Students Research Projects (Other than compulsory by the University) | 365 | NAIN/Ktech | 20 | 20 |
| Students Research Projects (Other than compulsory by the University) | 365 | KSCST | 0.94 | 0.94 |
| Students Research Projects (Other than compulsory by the University) | 365 | DETI @ ACEPrayas Centre, ACE | 0.6 | 0.6 |
| Any Other (Specify) | 365 | MHRD (Unnat Bharath Abhiyan) | 0.5 | 0.5 |
| Major Projects | 730 | VGST, Govt of Karnataka | 10 | 10 |
| No file uploaded. | | | | |

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 |
|---|-------------------|------------|
| Hands on Experince on Big data Tools | CSE | 18/02/2019 |
| Network Security | CSE | 26/02/2019 |
| Computer Architecture | CSE | 26/02/2019 |
| Msp430 IOT workshop by Edgate technologies | ECE | 21/08/2018 |
| PCB design workshop | ECE | 15/10/2018 |
| Short term course on ANALOG Integrated Circuits :Fabrication Process and Applications | ECE | 13/08/2018 |

| | | |
|---|--|------------|
| DSP processor edgate technologies | ECE | 07/11/2018 |
| Aspects of LTE 4G | ECE | 22/03/2019 |
| ASIC FPGA | ECE | 03/05/2019 |
| Multicarrier Modulation, OFDMA and SCFDMA" and "Overview and Channel Structure of LTE". | ECE | 22/03/2019 |
| Texas Instrument Workshop | ECE | 04/11/2018 |
| Various topics on control Engineering and applications of control systems in Defence RD, development of LCA, Public Private sector industries and academic institutions | ECE | 08/03/2019 |
| Big Data Analytics using Hadoop | Information Science Engineering | 19/02/2019 |
| IOT Challenge 2019 | Information Science Engineering | 23/02/2019 |
| Talk on Project Management | Information Science Engineering | 15/11/2018 |
| Intellectual Property Rights: Significance in Business and Research | Civil Engineering | 06/10/2018 |
| Workshop on IPR | Institute Inoovation Cell (IIC) | 10/01/2019 |
| IPR Significance in Business Research | College in Association with KSCST VTPC | 06/10/2018 |
| Distributed Computing Concepts | CSE | 12/11/2018 |
| Paper and Report writing skills using Latex | CSE | 15/02/2019 |
| Research paper publication and its importance | CSE | 15/02/2019 |

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 |
|-------------------------|----------------------------|---|---------------|-----------|
| BEST PRODUCT INNOVATION | RDL Technologies | NITTE | 03/11/2018 | MSME |
| LiFi | Nithin T and Pradeep Kumar | India Electronics Semiconductor Association | 14/12/2018 | Makeathon |
| No file uploaded. | | | | |

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

| Incubation | Name | Sponsered By | Name of the | Nature of Start- | Date of |
|------------|------|--------------|-------------|------------------|---------|
|------------|------|--------------|-------------|------------------|---------|

| Center | | | Start-up | up | Commencement |
|-------------------|-------------------------------|----------|-------------------------------|--|--------------|
| Sahyadri | Samarpan Sahyadri Tech LLP | LLP | Samarpan Sahyadri Tech LLP | Robotics/3D | 05/04/2019 |
| Sahyadri | Udbhav Sahyadri Tech LLP | LLP | Udbhav Sahyadri Tech LLP | Robotics/3D | 25/04/2019 |
| Sahyadri | Samanvaya Sahyadri Tech LLP | LLP | Samanvaya Sahyadri Tech LLP | ML/AI | 05/04/2019 |
| Sahyadri | Rachit Sahyadri Tech LLP | LLP | Rachit Sahyadri Tech LLP | ML/AI | 15/04/2019 |
| Sahyadri | Udgam Sahyadri Tech LLP | LLP | Udgam Sahyadri Tech LLP | AR/VR | 15/04/2019 |
| Sahyadri | Samyama Sahyadri Tech LLP | LLP | Samyama Sahyadri Tech LLP | AR/VR | 30/04/2019 |
| Sahyadri | Abhiman Sahyadri Tech LLP | LLP | Abhiman Sahyadri Tech LLP | IOT | 05/04/2019 |
| Sahyadri | Utkarsh Sahyadri Tech LLP | LLP | Utkarsh Sahyadri Tech LLP | IOT | 12/04/2019 |
| Sahyadri | Mudita Sahyadri Tech LLP | LLP | Mudita Sahyadri Tech LLP | Cyber Security | 05/04/2019 |
| Sahyadri | Samagratha Sahyadri Tech LLP | LLP | Samagratha Sahyadri Tech LLP | Cyber Security | 23/04/2019 |
| Sahyadri | SHINE Foundation | Sahyadri | SHINE Foundation | Section 8 company (Nonprofit organization) | 30/10/2018 |
| Sahyadri | Manframe computers Pvt.Ltd. | Sahyadri | Manframe computers Pvt.Ltd. | Computer sales Service | 20/09/2018 |
| Sahyadri | Sahyaware Technologies LLP | LLP | Sahyaware Technologies LLP | Civil Engineering | 22/05/2019 |
| Sahyadri | Flotanomers RD Pvt.Ltd. | Sahyadri | Flotanomers RD Pvt.Ltd. | Aerospace Drone Technology | 12/07/2018 |
| Sahyadri | Sahyadri Capital advisors LLP | LLP | Sahyadri Capital advisors LLP | Financial Services | 28/11/2018 |
| No file uploaded. | | | | | |

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

| State | National | International |
|---|----------|---------------|
| No Data Entered/Not Applicable !!! | | |

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

| Name of the Department | Number of PhD's Awarded |
|---------------------------------------|-------------------------|
| Electronics Communication Engineering | 2 |
| Library Science | 1 |
| Mechanical Engineering | 1 |
| MBA | 2 |

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 | Mechanical Engineering | 6 | 0 |
| International | Information Science Engineering | 1 | 0 |
| International | Electronics and Communication | 23 | 3.5 |
| International | Civil Engineering | 1 | 0 |
| International | CSE | 1 | 0 |
| International | MBA | 5 | 0 |
| National | MBA | 3 | 0 |
| International | Physics | 1 | 3.1 |
| No file uploaded. | | | |

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 |
|---------------------------------|-----------------------|
| Civil Engineering | 1 |
| Information Science Engineering | 2 |
| ECE | 2 |
| No file uploaded. | |

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 |
|---|----------------|------------------|---------------------|----------------|---|---|
| No Data Entered/Not Applicable !!! | | | | | | |
| View File | | | | | | |

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 |
|--------------------|----------------|------------------|---------------------|---------|---|---|
|--------------------|----------------|------------------|---------------------|---------|---|---|

No Data Entered/Not Applicable !!!

No file uploaded.

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

| Number of Faculty | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Presented papers | 2 | 5 | 0 | 0 |
| Attended/Seminars/Workshops | 2 | 22 | 23 | 2 |

No file uploaded.

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 |
|---|--|--|--|
| Awareness Programme on Substance Abuse, Anti-Ragging and Cyber Crime Laws | NSS and Police Department | 4 | 600 |
| Introduction to Electronics Engineering | EC department | 2 | 25 |
| Be with Engineers | DTLabs Dreamers | 15 | 260 |
| Institution Social Responsibility | MBA Department and | 2 | 38 |
| Childrens Day | EC department and Prashanth Nivas Orphanage | 12 | 30 |
| Toilet Construction | Civil Engg Department and Inchara Foundation | 2 | 25 |

[View File](#)

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 Bharath | Recognition | Ramakrishna Mission Mangaluru | 500 |

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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 activities | Number of students participated in such activities |
|------------------------------------|---|----------------------|--|--|
| No Data Entered/Not Applicable !!! | | | | |

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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 |
|------------------------|--|--|----------|
| Collaborative Activity | RDL Technologies Pvt. Ltd. (Research Design Lab) & Department of ECE | RDL Technologies Pvt. Ltd. (Research Design Lab) | 720 |
| Student Exchange | 16 sahyadri Students to Chennai Institute of Engineering | Institution | 12 |
| Student Exchange | 12 Chennai Institute of Engineering Students to Sahyadri | Institution | 12 |
| No file uploaded. | | | |

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 |
|--------------------------|----------------------|---|---------------|-------------|-------------|
| Research and Development | NA | CALIPER Engineering Lab Pvt Ltd | 02/07/2018 | 29/06/2019 | 3 |
| Internship | Internship | CALIPER Engineering Lab Pvt Ltd | 02/07/2018 | 29/06/2019 | 15 |
| Internship | Internship | RDL Technologies Pvt Ltd | 09/07/2018 | 09/08/2018 | 1 |
| Internship | Internship | Flotanomers | 23/07/2018 | 18/08/2018 | 2 |
| No file uploaded. | | | | | |

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 |
|---------------------------------------|--------------------|--------------------|---|
| Jytra Technology solution Pvt Ltd | 10/09/2018 | ACT CAD | 10 |
| Caliper Engineering LAB Pvt Ltd | 15/06/2018 | Internship | 8 |
| Florida International University, USA | 30/08/2019 | RD | 0 |

No file uploaded.

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 |
|--|--|
| 600 | 569.27 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|--|-------------------------|
| Class rooms | Existing |
| Laboratories | Newly Added |
| Laboratories | Existing |
| Classrooms with LCD facilities | Existing |
| Value of the equipment purchased during the year (rs. in lakhs) | Newly Added |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Newly Added |
| Classrooms with Wi-Fi OR LAN | Existing |
| 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 partially) | Version | Year of automation |
|---------------------------|---|---------|--------------------|
| Libsys | Fully | 6.0 | 2008 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|-----------------------|----------|---------|-------------|---------|-------|----------|
| | | | | | | |
| Text Books | 38760 | 9887898 | 2648 | 1173470 | 41408 | 11061368 |
| Journals | 90 | 686639 | 0 | 261308 | 90 | 947947 |
| e-Journals | 8611 | 3873487 | 0 | 2564500 | 8611 | 6437987 |
| Library Automation | 1 | 220000 | 0 | 0 | 1 | 220000 |
| Weeding (hard & soft) | 0 | 0 | 635 | 142615 | 635 | 142615 |
| No file uploaded. | | | | | | |

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 |
|---------------------|------------------------------|---------------------------------------|-----------------------------|
| Rashmi Bhandary | Engineering Campus Placement | YouTube | 04/02/2019 |

| | | | |
|-------------------|--|---------|------------|
| | Preparation | | |
| Rashmi Bhandary | Pre Placement Talk -Campus Placements | YouTube | 06/02/2019 |
| No file uploaded. | | | |

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 | 21 | 0 | 1 | 1 | 0 | 0 | 300 | 0 |
| Added | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 0 |
| Total | 1175 | 21 | 0 | 1 | 1 | 0 | 0 | 450 | 0 |

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

| |
|----------------|
| 450 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 |
| AudioVideo Sound proof Studio | https://sahyadri.edu.in |

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 incurred on maintenance of physical facilities |
|--|--|--|--|
| 100 | 73.63 | 50 | 47.21 |

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.

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 |
|---|--------------------------|--------------------|------------------|
| No Data Entered/Not Applicable !!! | | | |
| View File | | | |

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 implementation | Number of students enrolled | Agencies involved |
|---|------------------------|-----------------------------|---------------------------|
| Refresher Course | 15/07/2019 | 40 | TCE |
| Mentoring | 16/11/2018 | 180 | Dept of ME |
| Industrial Skills | 14/08/2018 | 445 | Caliper Engg. Lab Pvt Ltd |
| Project Base learning | 13/09/2018 | 445 | Bhandari Foundation |
| View File | | | |

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 passed in the comp. exam | Number of students placed |
|-------------------|--------------------|--|--|--|---------------------------|
| 2018 | NPTEL | 150 | 0 | 27 | 0 |
| 2019 | NPTEL | 200 | 0 | 54 | 0 |
| No file uploaded. | | | | | |

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 |
|---------------------------|--------------------------------|---|
| 2 | 2 | 10 |

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus | | | Off campus | | |
|-----------|-----------|-----------|------------|-----------|-----------|
| Name of | Number of | Number of | Name of | Number of | Number of |

| | | | | | |
|---|-----------------------|-----------------|-----------------------|-----------------------|-----------------|
| organizations visited | students participated | stduents placed | organizations visited | students participated | stduents placed |
| No Data Entered/Not Applicable !!! | | | | | |
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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 |
|-------------------|--|--------------------------|---------------------------|----------------------------|----------------------------------|
| 2019 | 3 | BE | ECE | MAHE | ME |
| 2019 | 1 | BE | ECE | Goa College of Engineering | M Tech |
| 2019 | 1 | BE | ME | MIT Manipal | M TEch in Manufacturing Engineer |
| 2019 | 2 | BE | CE | MAHE | M Tech |
| 2019 | 4 | BE | Civil | CADD Centre | Coaching |
| 2019 | 4 | BE | Civil | ACE Academy | GATE Coaching |
| 2018 | 1 | BE | CSE | MIT,Manipal | M Tech |
| No file uploaded. | | | | | |

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 | 2 |
| Any Other | 8 |
| No file uploaded. | |

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

| Activity | Level | Number of Participants |
|--|------------------|------------------------|
| VTU Inter Collegiate Power Lifting competition | Zonal | 185 |
| VTU LEVEL CRICKET SELECTION TRIALS | Zonal | 40 |
| VTU Athletic coaching camp | Zonal | 40 |
| VTU POWER LIFTING COACHIG TEAM CAMP | Zonal | 11 |
| VTU LEVEL CRICKET TOURNAMENT | Zonal | 285 |
| Sinchana | Inter Department | 1500 |
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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/ International | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|-------------------|--|-------------------------|-----------------------------|-------------------------------|-------------------|---------------------|
| 2019 | ALL INDIA INTER UNIVERSITY LEVEL WUSHU COMPETITION | National | 1 | 0 | 4SF18MBA44 | Namrasha N Ganiga |
| No file uploaded. | | | | | | |

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 students council members are responsible to take up activities under each of committee. They academic representative is responsible for all the academic related activities like feedback on Academic calendar, students feedback collected with the help of SWO. Placement coordinator will assist the placement department in collecting the database, contacting the companies, conduction of placement drive. The Entrepreneurship council member will help in organising e cell events like boot camps, Entrepreneurship promotion activities. The cultural department council member will coordinate with the departments to hold inter department events, selection of team members for university fests. The sports council member will coordinate for the inter collegiate events, selection of college sports team. The Research council member will be promoting the research activities, deputing students for various IITs and NITs for the competition as well as international competitions

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. 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:

5284

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

909000

5.4.4 – Meetings/activities organized by Alumni Association :

The MBA Alumni meet held on 20th October, 2018. Alumni are the key stakeholders who play a prominent role in the success of any institution and hence it is imperative to connect with them regularly. Under the banner of "Sammilan", an Alumni Meet 2018 was an effort of the Dept. of Business Administration MBA to engage and seek valuable feedback from the alumni. The 7th Alumni Meet of Sahyadri Engineering students was organized in Sahyadri Campus on 22nd December, 2018 to celebrate and refresh old relationships and form new ones. The Chief Guest of the event was Mr. Anil Uppin, Former Managing Director, Karnataka Council for Technical Upgradation. Mr. Rohit Nara, Founder CEO, AGUA presided over as the Guest of Honour.

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 |
| Teaching and Learning | Innovative methods of TEaching were practiced |
| Examination and Evaluation | The process of conduction of Internal examination system was made a central system bring in quality in the Question papers and conduction. |
| Research and Development | More opportunities were created for the research and development |
| Library, ICT and Physical Infrastructure / Instrumentation | Augmentation of facilities |
| Human Resource Management | HRM was improved |
| Industry Interaction / Collaboration | Additional MoUs were mae with the inhouse and other industries |
| Admission of Students | Additional initiatives were undertaken to improve the admissions |

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 |
| Examination | Internal examination system was automated and some activities of conduction of Semester end examination was automated |

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 |
|---|-----------------|--|--|-------------------|
| No Data Entered/Not Applicable !!! | | | | |
| View File | | | | |

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 | Title of the | From date | To Date | Number of | Number of |
|------|--------------|--------------|-----------|---------|-----------|-----------|
|------|--------------|--------------|-----------|---------|-----------|-----------|

| | professional development programme organised for teaching staff | administrative training programme organised for non-teaching staff | | | participants (Teaching staff) | participants (non-teaching staff) |
|-------------------|---|--|------------|------------|-------------------------------|-----------------------------------|
| 2018 | Orientation Course in Value Education | NA | 25/07/2018 | 28/07/2018 | 31 | 0 |
| 2018 | NA | Orientation Course in Value Education | 26/09/2018 | 29/09/2018 | 0 | 41 |
| 2018 | NA | Orientation Course in Value Education | 28/11/2018 | 01/12/2018 | 0 | 40 |
| 2019 | Education for inner Transformation | NA | 14/02/2019 | 14/02/2019 | 8 | 0 |
| No file uploaded. | | | | | | |

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 |
|---|---------------------------------|------------|------------|----------|
| NPTEL AICTE FDP on Introduction to Internet of Things | 1 | 07/01/2019 | 21/04/2019 | 10 |
| Java Fundamentals and Programming by ICT Academy | 2 | 27/08/2018 | 31/08/2018 | 4 |
| Workshop on NBA/NAAC Accreditation Process for Technical Institutions | 5 | 10/12/2018 | 14/12/2018 | 5 |
| Computational Fluid Dynamics held at IISC | 2 | 13/08/2018 | 17/08/2018 | 5 |
| Dynamic Response of Advanced Composite Materials | 1 | 10/12/2018 | 14/12/2018 | 5 |
| An Orientation | 3 | 14/02/2019 | 14/02/2019 | 1 |

| | | | | |
|--|---|------------|------------|----|
| Programme for College Faculty on the theme " Education for Inner Transformation" | | | | |
| Workshop on Digital payment technology for cashless society | 2 | 23/07/2018 | 27/07/2018 | 5 |
| FDP on Using Blended MOOCs in Management Education, IIM Bangalore | 1 | 11/08/2018 | 11/08/2018 | 1 |
| CII Knowledge Summit | 1 | 10/03/2019 | 10/03/2019 | 1 |
| IPR | 7 | 06/10/2018 | 06/10/2018 | 1 |
| Faculty Development Programme for Student Induction | 9 | 09/07/2018 | 15/07/2018 | 7 |
| Train the Trainers by Pratian Innovation Ecosystem Technologies | 2 | 28/01/2019 | 15/02/2019 | 20 |
| NPTEL AICTE FDP on Programming in Java | 6 | 07/01/2019 | 21/04/2019 | 10 |
| NPTEL AICTE FDP on Big Data Computing | 4 | 11/02/2019 | 21/04/2019 | 7 |
| NPTEL AICTE FDP on Machine Learning | 1 | 11/02/2019 | 21/04/2019 | 7 |
| NPTEL AICTE FDP on Joy of Computing Using Python | 2 | 07/01/2019 | 21/04/2019 | 10 |
| NPTEL AICTE FDP on Introduction to Automata, Languages and Computation | 2 | 07/01/2019 | 21/04/2019 | 10 |
| No file uploaded. | | | | |

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

| | |
|----------|--------------|
| Teaching | Non-teaching |
|----------|--------------|

| | | | |
|-----------|-----------|-----------|-----------|
| Permanent | Full Time | Permanent | Full Time |
| 23 | 23 | 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 and admission for staff wards, Inhouse emergency medical facility | Maternity Leave Paid, Gratuity, PF, ESI, Quarters, Uniform and allowances for support staff, Fee concessions Scholarships, In house Medical Facility for staff and wards | Scholarships, Fee concession for merit Sports students, 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

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 | 513000 | Project grants |
| No file uploaded. | | |

6.4.3 – Total corpus fund generated

| |
|---------|
| 3176545 |
|---------|

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)

Parent orientation is done at the beginning of the financial years for all the parents of new joinees. Intimation is sent the parents about the wards performance in academics on a regular basis. Student mentors will get in touch with the parents and will assist in matters concerning the parents

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

Three days training on Human values, Office correspondance and other related

works training, Training on use of Word and Excel sheets,

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

1. Industry Connect classes initiated 2. OBE process training 3. New structure of Mentormentee system 4. Deputation of teachers for Industrial training

6.5.5 – Internal Quality Assurance System Details

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

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 | BE students Bridge course | 01/07/2018 | 03/07/2018 | 15/07/2018 | 700 |
| 2018 | MBA students Bridge course | 01/07/2018 | 27/08/2018 | 01/09/2018 | 90 |
| 2018 | Sahyadri Science talent Hunt 2018 | 01/10/2018 | 10/11/2018 | 10/11/2018 | 1200 |
| 2019 | Whiz Quiz for MBA aspirants | 28/01/2019 | 08/03/2019 | 08/03/2019 | 900 |
| 2019 | SPSS Exhibition | 29/04/2019 | 01/05/2019 | 01/05/2019 | 2000 |
| No file uploaded. | | | | | |

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 |
| Awareness programme on Laws related to Women | 18/12/2018 | 19/12/2018 | 400 | 300 |

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 |
|-------------------------|--------|-------------------------|
| Provision for lift | Yes | 10 |
| Ramp/Rails | Yes | 10 |
| Rest Rooms | Yes | 20 |
| Scribes for examination | Yes | 0 |

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 |
|-------------------|--|--|------------|----------|--|-----------------------------------|--|
| 2018 | 1 | 1 | 05/05/2019 | 7 | Renovation of Govt School Kumpala village infrastructure under NSS Mega Camp | Bad shape and looks of the school | 30 |
| No file uploaded. | | | | | | | |

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 | 30/06/2018 | 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 on Moral | 26/09/2018 | 29/09/2018 | 30 |

Values

No file uploaded.

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. Establishment of several platforms like Launch pads, Startups, Inhouse Industries in the emerging field, Entrepreneurship Development Cell in the campus providing ample opportunities to students staff to nurture their creative ideas to acquire the stateofthe art technology skill sets required by industries.
2. Various innovative Teaching Learning practices adopted to make Sahyadri as a 'Learning centre' than a 'Study centre'.
3. Additional Industry Connect and Aptitude classes along with the regular university academic classes.
4. Bridge and Foundation course classes before starting the regular classes after admission.
5. Deputing students of First year to Premier institutions like IITs, NITs etc for Technical competitions to build their confidence, competitiveness and give exposure.
6. Project Based Learning from first year of studies and second year onwards through SPSS platform to develop the students' creative and innovative ideas with the slogan of the institute 'Walkin with an Idea and Walkout with a Product'.
7. College facilities are

open for 24x7 for creative works. 8. MentorMentee scheme from first year to final year of studies.

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

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. Handson 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 • First year students are given an opportunity to participate in national and international events • Almost all of them participated in various technical competitions at IITs, NITs and renowned premier institutions across the country and won many accolades.

Provide the weblink of the institution

www.sahyadri.edu.in

8.Future Plans of Actions for Next Academic Year

- To apply for the accreditation from NBA and other agencies.
- Promotion of Interdisciplinary projects
- To identify a set of Future Skill verticals and formation of Groups for these verticals comprising of Faculty Staff to impart the knowledge of these verticals regularly.
- Establishment of COE in Emerging Technology areas and additional Incubation centres.
- Starting of additional Professional Societies Students' Chapters, Internship cell.
- To apply for different AICTE AQIS schemes.
- To adopt and practice different AICTE quality initiatives.
- To implement additional remedial actions to improve the performance of students in the University examinations.